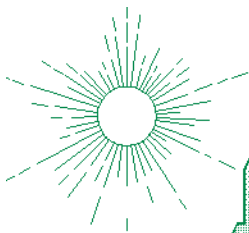


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



HAPPY ST. PATRICK'S DAY



ADAW

Arizona Desert Aire Waves

Vol 40, No 3

March 2015

ARE YOUR DUES CURRENT?

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

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

CLUB MEETINGS SCHEDULE

SARC Mar 4th Scottsdale Community College 7:00 PM	AARC Mar 12th Red Cross Bldg. - Phx 7:30 PM
OPRC Mar 11th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM	TBARC Mar 19th North Phoenix Campus Northern Arizona University 7:00 PM
CARL TBD AZ Science Center 10:00 AM	ARDG Every Wednesday Phoenix Country Day School 11:10 AM
QCWA Mar 28 Check Web Site Tucson 12:00 PM	WVARC Mar 2nd St Clement Catholic Church Social Hall 7:00 PM
SuperstitionARC Mar 17th Mesa Utilities Building 7:00 PM	ARA Mar 26th Denny's Restaurant - Tempe 7:30 PM

ADAW MEMBER CLUBS

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. in the Red Cross Building, located at 6135 N. Black Canyon Hwy., Phoenix (N. of Bethany Home Rd., E. side of Freeway on frontage Rd.).

President	Gary Hamman	K7GH	602.996.8148
Vice President	Joe Cutitta	W0SL	623.215.2226
Secretary	Rosemary Kydd	N7PLN	623.980.7282
Treasurer	Bob Hodges	K7JTT	480.802.1158
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JTT	480.802.1158

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

CENTER FOR AMATEUR RADIO LEARNING

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

President	Bob Burleson	KG7QJ	480.961.1109
Vice President	Tom Salt	AD7PM	480.926.0348
Secretary	John O'Neal	K7JP	480.345.7800
Treasurer	Roger Buel	W9NCQ	602.493.7242
Board Members	Ray Waddoups	KE7FUM	480.654.9883
	David Zinder	W7PMD	602.358.7826
	Ken McLeod	KM3N	

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

For information: Email to carl@w7asc.org or call Bob 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	David Hanson, W7BJ	602.615.3444
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.

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	
	Bill Jordan	KG7NBE	

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 5726, Glendale, AZ 85312-5726

ADAW MEMBER CLUBS

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	KD7GJI	480.286.3026
Chief, Research and Development	Sage Druch	KG7EQB	602.256.7997

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

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 (SuperstitionARC) meets at 7:00 p.m. on the **THIRD TUESDAY** of each month (except December) at the Mesa Utilities Building, 640 N. Mesa Dr., Mesa. Board meetings are at 6:30 on the second Tuesday of each month (except December) at Black Bear Diner at 1809 E. Baseline Rd., Gilbert. The club hosts the following nets: Drivetime Net: Features trivia questions; M-F from 7:00-8:00 a.m. on 147.12 / 449.600 -- Swap Net: Thursday nights at 7:00 p.m. on 147.12 / 449.600 -- 10- Meter Net: Thursday nights at 8:00 p.m. on 28.470 MHz -- USB National History Trivia Net on Thursday nights at 8:30 p.m. on 147.12 / 449.600

President	Steve Estes	KB7KWK
Vice President	Jeff Machesky	K7ZLX
Secretary	Larry Kuck	WB7C
Treasurer	Douglas Mitchell	W7ADD
Club Directors:	Ed Taggard	K7EDT
	J.D. Smaylis	KF7VOX
	Brian Betz	W7JET
	Steve Bowen	N7CPU
	John Groseclose	WX4LTG
	Dale Schmidt	N7QJK
	Jan Werner	KA7ISV

SuperstitionARC, P.O. Box 21522, Mesa, AZ 85277-1522. Web Site: wb7tjd.org. The Superstition Amateur Radio Club is a 501(c)(3) non-profit organization.

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. 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, KA7UND	jhaveronsr@cox.net
Vice President	Thomas Fike, KG7FXT	fike@me.com
Secretary	Kathy Adams, KG7DWQ	firelady911@hotmail.com
Treasurer	John Siepmann N9NA	623.544.5295
Membership	Roger Thacker, KD0MD	rothtoo@hotmail.com
Club Directors:	Bob Paul, KG7FIL	kg7fil@arrl.net
	Bob Pike, W7AIE	mr_bob_f@yahoo.com
	Joe Cutitta, W0SLI	w0sll@cox.net
	Roger Thacker, KD0MD	rothtoo@hotmail.com

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>.


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	928.227.0349
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.


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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.

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

FROM THE EDITOR'S DESK

Hi Everyone,

ADAW is growing again. The Mingus Mountain Repeater Group joins the pages of ADAW this month. Or should I say, rejoins? For those of you who have been reading ADAW for a long time, you might remember that the Mingus group published their newsletter in from November 1980 through June 2000. So, welcome MMRG. Good to have you back with us.

Don't forget SpringFest on the 21st of March. The Scottsdale Amateur Radio Club will hold this event at the Scottsdale Bible Church - Mountain View Campus. This is the same place the hamfest was held last year – the church just changed their name. This is always a great event, so plan to be there. Gates open at 6:00 a.m.

The Tucson Hamfest will be held the following weekend - March 28th - at the Golden Corral Restaurant on 22nd Street in Tucson. RST presents a really nice event. So if live in the area, or are down that way, check it out.

Not much space for my ramblings this month, so I'll wish you all a Happy St. Patrick's Day (even if you aren't Irish). Don't drink too much green beer!

73 Til next month,
Chris, N7PVL



The Arizona Repeater Association is a little different than your standard amateur radio club. As I've mentioned in previous columns, our primary focus is maintaining repeaters for emergency and public service uses. We host a monthly general membership meeting that's a social gathering with an educational presentation following. Beyond that, we are not focused on hosting our own hamfests and social gatherings.

The ARA repeater sites are kept on air by commercial power with most of them having generator or battery backup. In a disaster, the goal is for them to remain operational for days or even weeks. Our repeater site status has been added to our web site at the following link - <https://www.w7ara.org/location/> If you ever hear any problems with ARA repeaters or interference, we ask that you please collect as much data as you can and submit an Interference Report at this link - <https://www.w7ara.org/public/InterferForm.aspx>

The ARA has agreements with many organizations for use of our repeaters. If a disaster such as Hurricane Katrina were to happen in Arizona, Maricopa County Department of Emergency Management has priority to assign use of ARA repeaters.

In 2013, we began a relationship with the Daisy Mountain Fire Department. They had a location and grant money to install a repeater, but needed the expertise to get it on the air and continue maintenance. This was a great opportunity for both organizations. When the Daisy Mountain repeater went live in January 2014, the ARA Metrolink coverage was expanded and DMFD now had a home for their amateur radio segment of the CERT program.

AEN-MAR (Arizona Emergency Net – Maricopa) and MCECG (Maricopa Emergency Communication Group) are two other groups you'll hear regularly using ARA repeaters. Each Monday evening, AEN-MAR meets on Metrolink for training and exercise in the public service communication arts. AEN-MAR also activates due to severe storms and other criteria throughout the year. MCECG can be heard using ARA repeaters on many of the almost 50 public service events they support each year.

Skywarn weather spotters also have a home on ARA repeaters. Coconino County Skywarn has a weekly net on the Mt. Elden 146.98 MHz repeater each Monday evening. The Coconino County ARES group gathers on Wednesday evenings for their weekly net. Pinal County Skywarn meets every Tuesday on Rimlink.

Join any of the groups mentioned above and get involved. If you're interested in learning about or helping maintain a repeater site, stop by one of the ARA technical meetings on the first Thursday of each month.

Virgil, K7VZ
ARA President

ADAW

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adawaz@arca-az.org

ADAW WEB SITE

www.adaw.org

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.

March Test Sessions

Mar 2nd - AARC & WVARC -- 7:00 PM

St Clement Church Social Hall, 15800 N Del Webb Blvd, Sun City
Contact - Joe Cutitta 623.215.2226
Times vary - Exams begin after Club Meeting ends

Mar 5th - CARBA -- 7:00 PM

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

Mar 7th - Oro Valley ARC -- 10:30 AM

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

Mar 7th - DeVry ARC & WVARC -- 9:00 AM

DeVry University, 2149 Dunlap Ave, Phoenix
Contact - David Morrill 923.680.5011

Mar 9th - Radio Society of Tucson -- 7:00 PM

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

Mar 11th - 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.

Mar 16th - East Valley VE Team -- 6:00 PM

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

Mar 17th - Boy Scout Troop 127 -- 8:00 PM

St Francis Xavier School, 4715 N Central Ave, Phoenix
Contact - John Kelly 602.264.6854

Mar 27th - Tonto ARA -- 6:00 PM

Payson Public Library, 328 N McLane Rd, Payson
Contact - Darde De Roulhac 928.468.1487

Continued Next Column



Amateur Radio Development Group

Hello all,

This month, we received a very generous donation from AARC, consisting of two radios and a variety of other components. This donation is incredibly helpful and we really appreciate it.

We just had an election for this year's officers and the results are as follows:

President - Benjamin Lee K7JS
Vice-president - Will Weiss KG7FFV
Treasurer - Sahil Rawal KG7GJC
Secretary - Nathan DeRueda KG7GJB
Chief, Emcomm - Sarah Dailey KG7GJI
Chief, R&D - Sage Druch KG7EQB

We can't wait for another great year of ham radio in Arizona.

73,
Benjamin Lee K7JS

ADAW

Test Sessions Continued from Previous Column

Mar 28th - Arizona ARC -- 7:00 PM

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

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THUNDERBIRD HAMFEST 2015



On January 15 we had our first general meeting at the new NAU North Phoenix Campus (also known as the North Valley Campus), located at 15451 North 28th Avenue in Phoenix. There was a little trouble with the audiovisual system that is getting ironed out, but I think everyone was happy with the warm welcome the facility provided to us, and several of us took advantage of the on-site cafeteria to have a meal at the meeting. If you haven't been there already, come check it out yourself! The campus is on the northwest corner of Greenway Road and I-17. See the club website at w7tbc.org for directions.

With the new year, it's time to renew your membership (or join, if you're not already a member). This year, thanks to the work of Chris K6OZY, we have a fancy online registration system that takes PayPal. You can renew in your underwear! You can also sign up to auto-renew every year, so you don't have to think about it again. If you'd rather join in person, talk to Darren AF7CO at the meeting. (He's the smiling guy with the cash box.) Darren will happily take credit cards, checks and cash - but he does usually prefer you to be fully clothed.

The hamfest was a wonderful success. The weather was just right: cool enough that it was easy to unload and browse, but warm enough that the members helping out at the parking lot didn't have to worry about frostbite at oh-dark-thirty. Mother Nature held the rain back until after the hamfest was over. The TBARC VE team helped a lot of candidates get a new license or upgrade. And the deals this year were amazing! (I'm already regretting that I passed up a VX-1 . . . my loss was someone else's gain, I know!) Thanks again to everyone who helped out.

Our EmComm committee chair, Walt N7GDP, is looking for hams who are interested in assisting with emergency communications. TBARC provides communications backup at the JCL North Mountain and JCL Deer Valley hospitals, and we have dedicated radio rooms at both facilities. Walt is planning training and exercises in 2015, as well as open house events at the hospitals. If you want to learn how to help other people with your radio, here's your chance! Send email to EmComm@w7tbc.org and let Walt know! If you're already in the EmComm group but don't have your ID badge, or if you'd like to lead by joining the five-person EmComm board, use the same address: EmComm@w7tbc.org.

Lastly, I don't want to forget to mention our weekly net, which happens every Tuesday at 19:30 (7:30 p.m.) local time. You can join it on any of our repeaters. More details are on the website, w7tbc.org. It's an easygoing net that likes to discuss all kinds of ham radio topics. And if you've never been a net control before, maybe 2015 is your year? Volunteer and find out!



Andrew Cornwall, KF7CCC
kf7ccc@arrl.net

Pictures courtesy of Israel Vicente, AD7ND



AMERICA'S HAM SHACK

When a Visitor stops at the Shack and announces that they have about five minutes before the iMAX show starts, but they want to be told EVERYTHING about Ham radio, what can the poor volunteer do in response? If you let yourself go, the five minutes would have expired and you would still be laughing. How does one squeeze fifty tons of pure Gold into a one pound capacity paper bag?

Ponder this: if, by some special skill, one could read every word in every issue of QST that was ever printed, there would still be Ham radio activities that you would miss. As this newsletter is being drafted, there are Hams who are dreaming up new activities, new capabilities. If you could actually squeeze a complete description of Ham radio into one conversation, new things would have sprung up while you were lecturing. Further, many visitors are nontechnical. They probably carry a cell phone, but are astonished when you mention that it is a radio device. Every Volunteer must be prepared to engage with the lowest common denominator of the public "technical understanding." Much of what they believe that they know is dead wrong. Their Microwave oven is NOT nuclear. They have been sold on the idea that they should consume only food that is not from Genetically Modified Organisms (GMO). FYI corn, wheat, cattle, etc. all were genetically modified over 3,000 years ago. When you try to explain that all living things are genetically modified, even their children, you have lost them. That, Oh Brave Volunteer, is your challenge when you are on duty at America's Ham station.

Your faithful scribe has dubbed W7ASC as America's Ham station. It is one of the few locations where a fully operational station, staffed by real Hams, is open to the public. Perhaps there are others, but the station at the Arizona Science Center has been on display for TWENTY YEARS. Thousands of people now know at least something about Ham radio. It may not be comprehensive, but it is at least, we hope, accurate. The Station does not exist for the benefit of a small cadre of Hams. It exists in an attempt to bridge the knowledge gap between the vast body of Ham operators and the public that they serve. It is a rare visitor who realizes that HAMS are licensed by the FCC, a Federal Agency. Fewer still know that our license clearly identifies us as an Amateur Radio SERVICE. For good reason. To paraphrase Rodney, we rarely get respect. Every Ham within reach should take a turn volunteering at America's Ham Shack in order to build some respect in the eyes of the public. Not just for yourself, but for all Hams.

And here are a few tips for your time in front of the public. Forget the Ham jargon. Use language that engages the non-Ham. Rare DX? UHF? PSK31? Sideband? Clear on your final? The visitor is made to feel like an outsider (which, of course, they are) to a closed society. Demonstrate what can be done, but do not start with the inner working of the rigs. Bring the visitor into the sanctum – do not leave them standing, with nose pressed against the window,

Continued Next Column



It is an honor to introduce you to the Mingus Mountain Repeater Group, an illustrious and unusual organization which is re-entering ARCA and ADAW after some years of absence. In what ways are we unusual? First of all, we are the rare amateur radio club that does not have monthly meetings. Our yearly meeting, however, could best be described as a "humdinger!" Some club meetings offer coffee. We have our very own popcorn makers, Tomy Ivan, KF7GC, and his wife Debbie, who bring their professional popcorn maker and fill the air with the aroma of delicious fresh popcorn. Our yearly meetings are potluck events with food prepared by some of the best cooks in the country. Some members spend days at our club meetings, coming a day early and staying a day later in their RV's.

Our club meetings don't have "programs" as such. Most amateur radio clubs do not have a technical committee. The MMRG has a technical committee composed of three members: Jerry Roberts, KB7CN; Hartley Gardner, W1OQ; and Bob Sitterley, K7POF, and because of the demands of maintaining and updating the repeater equipment, this is an extremely important part of our organization.

Most clubs rely on dues to keep the club going. Repeaters are expensive devices, and the MMRG is grateful to the many individuals and organizations that appreciate what we are doing and help out with generous donations, sometimes VERY generous.

We are indeed an unusual group, an illustrious one with one meeting a year, one board meeting a year, and many activities throughout the year which keep us a cohesive group. You'll be hearing about what all we do together in our monthly ADAW column. We are glad to be back with you.

Lori Cripps, WA7EDI

ADAW

CARL Continued from Previous Column

looking into a cold, forbidden world. Become a welcomer, not a guard. Volunteer at America's Ham station at the Arizona Science Center. Enrich your Ham experience. Remove your secret decoder ring during your shift. Not every visitor is a candidate for a license. But every visitor is a candidate for a fuller appreciation for how Ham radio is good for everyone. Do you wish to deliver that message? Can you? Give it a try. Call Bob KG7QJ at 480-961-1109 or e-mail kg7qj@cox.net and ask for a chance to give volunteering a test drive.

Until next month, stay away from the measles and flu and look for those great band openings.

73 de Jean W4CIH
jeanjol@hotmail.com



**AARC FIELD DAY
1940
MINGUS MOUNTAIN**



The February ADAW had a very interesting article which included some of the historical background of C.A.R.L. (Center for Amateur Radio Learning), which celebrates its 20th Anniversary. That article made me think. Every Thursday except the second Thursday of the month, which is our club meeting night, the AARC has its 2-meter net at 7:30 p.m. on 147.060 MHz. The job of Net Control is rotated among our members, and I have often had the pleasure of doing that job. Our closing after two rounds of comments starts out this way: "The Arizona Amateur Radio Club was founded in 1931, and we believe it is the oldest amateur radio club in Arizona." I haven't really looked into the history of the AARC, but just a few weeks ago we were given an unexpected gift of some photographs taken at the AARC Field Day on Mingus Mountain in 1940. I don't recognize a single one of the participants, young as I am (grin!!), but some of you might be able to identify some of the operators. The photos have some notes on them, and I see the name "Eva" written on one of the photos, undoubtedly identifying W7RIJ, Eva Allen. I would appreciate any comments on the pictures, especially concerning identification of individuals. Regardless of whom the individuals are, I'm sure you will feel a bit of nostalgia after viewing the photos of a bygone era, with AARC members enjoying Field Day with equipment quite different from today's. That was 75 years ago!! What will amateur radio equipment look like in 2090?

Speaking of our 2-meter net, you might like to join us. We are grateful to be able to use the repeater of Lee, W7UXZ, and member George Cooney, KQ7C, has been diligent with making Echolink available so that members who live in Casa Grande or Sun Lakes can join the Phoenicians. In fact, we have had stations from Ohio and other more distant areas join us using Echolink. We start at 7:30 p.m. on 147.060 MHz, and if you download Echolink to your computer you can then connect to my station WA7EDI or George's KQ7C-R with very little difficulty and you will be heard on both the computer and the radio. If you need more information on using Echolink, George can help you. His phone number is 602-274-6212. Our last net had ten check-ins. We'd like to have you join us.

73,
Lori, WA7EDI
cripps@cybertrails.com

THE UNEXPECTED

The unexpected sometimes happens, but the AARC VE team is flexible and has proved that we can handle the unexpected.

When we met at the American Red Cross building for the January testing session, none of the key cards that usually admit us would open the doors to the building. Evidently the American Red Cross had changed the key code without telling us, so we set up the VE session in the carport area using a truck bed as a table. Thanks to David Young's xyl for this rare and unusual photo of a rather unusual VE test session.



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.



Club Repeaters: 147.12/449.600

The SuperstitionARC is replacing its repeaters with new, modern BridgeCom repeaters and the order has been placed. Please bear with the process of making new cables and various adjustments before the new repeaters can go in the Stone Castle. It will be closer to the 20th of February before the new machines are installed.

February Events:

Though not sponsored by the SuperstitionARC, many of our members enjoy socializing with fellow Amateur Radio Operators at three breakfasts scheduled each week – one on Thursday and two on Saturday. The Thursday breakfast (6:00 a.m.) is at the Village Inn located at 155 South Dobson Road in Mesa (NEC of Southern & Dobson). There are two breakfasts on Saturday – both begin at 8:00 a.m. One location is the same Village Inn as for the Thursday group and the other meets at Biscuits, located at 4623 East Elliot Road in Ahwatukee {Phoenix} (SWC of Elliot & 48th)

2/15 Lost Dutchman marathon

2/21 Lost Dutchman special event station @ Goldfield Ghost Town in Apache Junction.

We hold this event every year for Lost Dutchman Days and will have several stations up and running. If you have never been on HF, we will put you on the air. This event is always a lot of fun.

Upcoming Events:

3/7 Falcon Field Days

April: Though a date is not yet set, our Annual Club Picnic is scheduled to take place in April



Upcoming Classes

Technician Class License Course 2015 - Classes will be held Saturdays, February 21 through March 28, 2015 from 10:00 AM - 1:00 PM at the Arizona Science Center, 7th Street & Washington in Phoenix. Required text is "Ham Radio License Manual" Revised 3rd Edition, available from the instructors at first class for \$25.00. Class is based on the Technician License question pool as of July 1st, 2014. Licensing test will be held on the final day of class. ARRL Amateur License test fee is \$15 payable at the session in cash or check. Contact Bob, KG7QJ at 480.961.1109 or email kg7qj@cox.net for more information.



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

The March meeting of the Barry M Goldwater Chapter of the Quarter Century Wireless Association will be held on March 28 at noon in Tucson. The location has not yet been set. Check the website - azqcwa.org - for location.

The program speaker will be Cathy Hufault, author of Death Clouds on Mt. Baldy-Tucson's Lost Tragedy, who will discuss her new book with a dramatic historic photo slide presentation.



Wanted - Rohn 25/45 gin pole.

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

SARC Continued from Previous Column

Mexico's Baja California. Paul kept track of them all the way and the team cheered and celebrated when the pilots were picked up by nearby fishermen. Outstanding!



From left to right team members Guy Feltman, Kevin Miko, and Paul Jorgenson KE7HR

This is just a reminder we have a net on Tuesday evenings at 7:00 p.m.. The club repeaters are 147.18 with a tone of 162.2 and 440.00 with a tone of 100. This is a general conversation net and everyone is welcome. We sometimes have a good question for the check-ins to answer, if they can. We had a good one on Duct Tape! I never heard so many great uses for the stuff. Besides being informational, our net also gives everyone a chance to use their radios and let everyone know they are still with us.

That's it for now. Be well and keep hamming. See you at the SpringFest.

Ed WU7S
 enickerson427@aol.com

ADAW




SARC CONSTANTS:

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

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

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



Continued Next Column

Event Calendar

21 March 2015 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club will be held at Scottsdale Bible Church - Mountain View Campus, 17800 N Perimeter Drive in Scottsdale. Hours are 6:00 AM until 12:00 Noon. Overnight RVs are welcome. Tailgating, VE Testing, Refreshments, Prizes and more. Watch for more information.

28 March 2015 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held at the Golden Corral Buffet & Grill, 4380 E 22nd Street in Tucson. Hours are 6:00 AM until Noon - Seller Set-Up at 6:00 AM. Free Admission & Parking. Vendors/Tailgaters \$10 per space. Free Overnight Parking after 6:00 PM on Friday. Prizes, Free VE Testing, GOTA Station. Hot Coffee, Tea & Donuts will be available. For more information, visit Web Site at www.k7rst.org

11 April 2015 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Amateur Radio Council of Arizona will be held at DeVry University, 2149 W Dunlap Avenue in Phoenix. Admission donation is \$2.00 and tailgate spaces are \$10 each. There will be commercial vendors, tailgaters, prizes, coffee, doughnuts and soda. VE testing will be held at 9:00 AM in the school library. DXCC card checking will be available. For information, contact Gary Hamman at 602.996.8148 or email at k7gh@arrl.net or arca@arca-az.org.

2 May 2015 - **CARA Hamfest** - hosted by the Cochise Amateur Radio Association will be held at the club site on Moson Road in Sierra Vista. Watch for details.

6 June 2015 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held at the Show Low City Hall, 180 N 9th Street in Show Low. Tailgate spaces are \$5 each. VE Testing at 9:00 AM. Prize drawings hourly and Grand Prizes. Refreshments Available. Overnight RV camping available after 5:30 PM Friday evening. Contact K-K at 480.586.6303 or email kb9si@yahoo.com for more information.

24 - 26 July 2015 - **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. Gates open at 12 Noon on Thursday, 23 July for set up. Grand Canyon Train Trip on Sunday, 26 July. For more information, visit the ARCA web site at www.arca-az.org and click on the "July Hamfest" link.

17 October 2015 - **CopaFest** - hosted by the Maricopa Amateur Radio Association will be held at 16000 Maricopa Road in Maricopa. Hours are 7:00 AM to 3:00 PM. Set up at 5:00 AM. Free admission. Commercial Spaces - \$10 for 2 spaces (additional space \$5 each). Commercial Vendors Pre-Register by email to fest@copahams.org. ANSR Balloon Launch, GOTA Station, VE Testing, Seminars, ARRL Card Checking, Hourly & Grand Prizes. Food, Drinks and Entertainment Available on site at UltraStar Center. Special Event Station - W7M. Talk-In: 145.210 -600 (162.2 Pl) or 449.125 - 5 (136.5 Pl). For more information, visit the website at <http://www.copahams.com>.

Old Pueblo Radio Club INTERMOD

President's Column

Greetings from the Old Pueblo Radio Club

The OPRC began 2015 with a special presentation at its January meeting. Cliff Hauser, KD6XH, recently returned from a DXpedition to Western Samoa via American Samoa. While in Western Samoa, he operated as 5W0XH. Cliff's destinations tend to be to very Spartan locations requiring extensive logistical planning. He illustrates his adventures with photos of the surrounding area, and of the operating situations, including power supplies and antennas. Other operators on the trips are usually from other states and other countries around the world.

Cliff will be repeating his presentation for other clubs in Arizona, so I won't spoil them by giving away details, but be sure to attend if you have the opportunity.

73 de
Ron Kalish, N7SPW
President, OPRC



OPRC Repeaters

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

RACES Repeaters

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



23 - 24 October 2015 - **Mohave ARC Hamfest/Arizona State Convention** - hosted by the Mohave Amateur Radio Club will be held at the Mohave County Fairgrounds in Kingman. Details to follow.





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SHORT SKIP

From the Club Editor

I would like to say thank you many times over to all the wonderful people who helped with the Auction. I do not know what we made, but we had a grand success because everyone pitched in and made it so. I like to think that this is what Ham Radio is about. People helping people get the job done.

I especially would like to thank those that donated items for the Auction. Thank you for those of you who used the Auction to sell some of your "stuff." We are very glad to be of service to you as well.

Our club is famous for its auction and we appreciate the hard work from the many members who make it happen.

Bob Paul KG7FIL



The bidding begins. Rich Haworth, W7MDQ starts the bidding.

Some interesting equipment.



Everyone anxious to place a bid.

More great equipment



ADAW

Club Test Sessions

West Valley ARC License Exams

Test sessions will be 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 and Certificates of Successful Completion of Examination (CSCE), if applicable.

The club has several VEs who have committed to work as the VE team for the sessions. Please help us spread the word about the test sessions. Thanks.

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

DeVry University Test Sessions

The next exam session is Saturday, March 7th, 2015. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM. Check-in at the Library on the second floor, southeast corner.

Nineteen candidates were examined at the February 7th, session at DeVry. Nine earned a Technician Class license, six earned a General Class license, and four failed their exams.

Administering VEs were:

David Morrill N7TWT Liaison, James Skinnell K7EOG, Bill Martin AI0D, Robert Miner KA7NPQ, Daniel Ford K2LH, Mike Richards KI7S, and Joe, W0SLL and Verdamae, KF7UJB Cutitta.

Upcoming Meetings

March Meeting - Monday, March 2nd - Paul Playford W8AEF will do a presentation. Dick Stout KE7RD will talk about his ham radio museum, also. "See you there and bring a friend with you also."

April Meeting - Monday, April 6th - Tom Fike will do a presentation on the digital modes.

New Club Members

Carol Melton AK7N
Howard Madden KB6MTT
Mike Holmen KG7POL
Ron Gerlak KG7OH
Betty Gerlak KG7NOL

For Sale

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

Contest Corner

The February/March period is the most exciting part of the annual typical contest year. This year I find about twelve world class contests that may interest us casual contesters:

Feb. 28 – North American QSO Party, rtty

Mar., 6 – ARRL Intl. DX Contest, ssb

Mar. 27 – CQ WW WPX Contest, ssb

Detail concerning these contests and more can be found at the WA7BNM web site: <http://www.hornucopia.com/contestcal/contestcal.html>. When you go to the web site, left click on the “+” sign in the left margin to see more information.

If you looked at these contests, you may have noticed that the implied goal is to achieve a high score and the score is usually computed by multiplying the QSO total value by a total multiplier value. The value assigned to each QSO is usually 1, but may vary – sometimes 2, as in the ARRL contests for cw QSO’s vs 1 for ssb QSO’s, or a higher number for the higher frequency band QSO’s in the ARRL VHF Contest.

The multipliers may be assigned for new sections or countries or call letter prefixes (in the CQ WW WPX Contest). And the multipliers may be applied for each band or for the whole contest. For instance, if you operate in the ARRL January VHF Contest and make 10 contacts (QSO’s where you exchange call letters and grid square numbers for each) all on 2 meters FM in 5 grid squares your total score would be 50.

I may not operate in all these contests, but I’d be happy to try to answer your questions: telephone 630-209-4116 and/or JFSiepmann@hotmail.com.

Remember you can always casually participate in these contests or most any contest and spent a few minutes or a few hours to become familiar with the events. Actually only a minority (typically 10% to 25%) of the operators are really serious contestants and most will be happy to take a few moments to help out newbies – we all have been newbies.

BTW, the Jan. 17 ARRL VHF contest might be of interest to many of our club members – modes are “any,” e.g. cw, ssb, fm, digital – any. Take a look at it.

Good contesting to all,
John, N9NA



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Public Service Calendar

EVENT	LOCATION	DATE
JROTC First Water		03/07/15
	First Water Trailhead Apache Junction Area	
Run for Ryans House	N Scottsdale-DC Ranch	03/07/15
Xterra Black Canyon City		03/08/15
	Table Mesa Rd - Black Canyon City	
Mesquite Canyon Trail Run		03/14/15
	White Tanks Regional Park	
ADA Tour De Cure	North Valley	03/21/15
Crown King Scramble	Bradshaw Mountains	03/28/15
Cave Creek Trail Run	Cave Creek	04/04/15
El Tour de Mesa		04/11/15
	Mesa/Scottsdale/Fountain Hills	
March of Dimes March for Babies		04/11/15
	Wesley-Bolin Park, Downtown Phoenix	
Highline Trail Run	Payson Area	04/25/15
Pat's Run		04/25/15
	Sun Devil Stadium at ASU - Tempe	
Barn Burner Mtn Bike Race		08/29/15
	N of Flagstaff / Kaibab & Coconino NF	
Mogollon Monster	Payson Rim Area	09/26/15
Tour de Scottsdale	Scottsdale	10/11/15
Y Race Phoenix (YMCA Half Marathon)		10/17/15
	Phoenix South Mountain Park	
Javalina Jundred	McDowel Mountain Park	10/31-11/1/15
ADA Step out for the Cure		11/07/15
	N Phoenix Baptist Church, Central & Bethany	
Heart of Arizona	Congress	11/07/15
Xterra San Tan Park	San Tan Regional Park	11/08/15
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/13/15
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

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TUCSON SPRING HAMFEST

Saturday, March 28, 2015

7 A.M. - Noon



Hosted by:

Radio Society of Tucson



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- Seller set-up starts at 6:00 A.M.
- Vendors/Tailgaters pay \$10 per space
- Free Overnight Parking after 6:00 P.M.
Friday

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- ★ **(2nd) Dual-band Hand-held Transceiver**
- ★ **Raffle Tickets: \$2 each... 3 for \$5... 7 for \$10!**
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The Arizona Amateur Radio Club and
The Amateur Radio Council of Arizona present the

April Hamfest at DeVry

April 11, 2015

DeVry University - South Parking Lot
2149 W Dunlap Ave.
Phoenix, AZ

Hours: 6:00 AM to 12:00 Noon

Admission Donation - \$2.00

Tailgate Spaces - \$10.00 each

Commercial Vendors - Tailgaters
Prizes - Coffee - Doughnuts - Sodas

VE Testing - 9:00 AM in DeVry Library

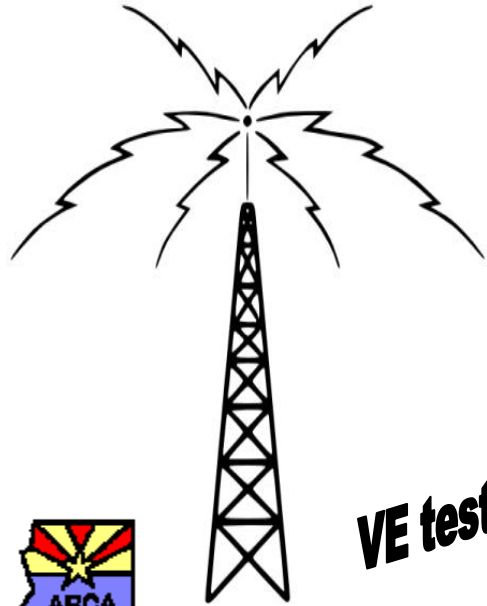
DX QSL Card Checking

Talk-In on 147.060 (+)
(No PL)

BROWSE - BUY SELL - TRADE

SPEND THE DAY WITH FRIENDS

For more information or to reserve a space, email ARCA at arca@arca-az.org or
Gary Hamman at k7gh@arrl.net, 602.996.8148
Visit the ARCA Web Site at www.arca-az.org for a map to the site.



VE testing 9AM

JUNE 6, 2015



Contact: K-K
kb9si@yahoo.com
480-586-6303

Tailgaters
\$5/space

Talk-in frequency
145.31 - pl 110.9

**WHITE MOUNTAIN
HAMFEST
SHOW LOW, AZ
CITY HALL PARKING LOT
180 N. 9TH ST**

Refreshments Available



Overnight RV camping
available after 5:30PM Friday



sanctioned event

Prize Drawings
hourly and GRAND



2015 ARCA / WILLIAMS HAMFEST JULY 24, 25 & 26, 2015

ADVANCED NOTICE



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



ADVANCED NOTICE

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 26, 2015 - GRAND CANYON TRAIN TRIP

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

PRIZES

DOOR PRIZES EVERY HOUR
RAFFLE TICKETS
\$12 for \$20, or 3 for \$5.00

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 PI)

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



17 October 2015

CopaFest 2015

Hosted by the Maricopa Amateur Radio Association, Inc.
16000 Maricopa Road, Maricopa AZ

Click [HERE](#) for map

Hours: 7:00 AM to 3:00 PM

Admission - Free

Spaces - Commercial \$10.00 for 2 spaces (additional space \$5.00 each)
Commercial Vendors Pre-Register by Emailing fest@copahams.org
Set up at 5:00 AM Saturday

Talk-In: 145.210 – 600 KHz (162.2 PI) or 449.125 – 5 MHz (136.5 PI)

Special Event Station – W7M,

ANSR Balloon launch, GOTA Station, Interesting seminars, VE Testing, ARRL
Card Checking, Hourly and Grand Prizes, Food, drinks & entertainment available
on site at UltraStar Center.

Visit the Web Site at <http://www.copahams.com>
520-222-7311
voice or text

2015 Arizona State Convention



Kingman Hamfest Kingman, Arizona Oct 23rd & 24th, 2015

Mohave County Fairgrounds
2600 Fairgrounds Blvd, Kingman, Arizona

www.kingmanhamfest.com

Check the Website for Additional Information

Vendors & Exhibitors

Tailgating / Swap Meet

License Testing

DXCC Card Checking

Door Prizes

Raffle for Grand Prizes

On-Site RV Camping

\$5.00 Admission

More info to be announced soon!



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

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



Presented by the Mohave Amateur Radio Club

Contact: Bill Smith bill_1021@gmail.com 928-303-9857

Kevin Walsh kd7hve@msn.com 928-514-4237