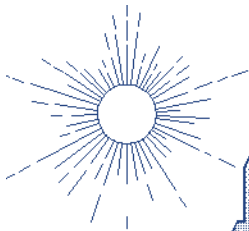


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 40, No 4

April 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 Apr 1st Scottsdale Community College 7:00 PM	AARC Apr 9th Red Cross Bldg. - Phx 7:30 PM
OPRC Apr 8th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM	TBARC Apr 16th 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 June/July Check Web Site Prescott 12:00 PM	WVARC Apr 6th St Clement Catholic Church Social Hall 7:00 PM
SuperstitionARC Apr 21st Mesa Utilities Building 7:00 PM	ARA Apr 23rd 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	623.252.0149
	Bob Fike, W7AIE	602.999.6458
	Joe Cutitta, W0SLI	623.215.2226
	Roger Thacker, KD0MD	623.974.1516

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

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.

4X4 HAM

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

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

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

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

ADAW is expanding again. This month we are pleased to welcome 4X4 Ham to the ADAW family of clubs. 4X4 Ham is a group of hams who are interested in off-road recreation and are dedicated to promoting amateur radio in the great outdoors. Originally started in the Phoenix area, they have grown to an international forum for technical discussions, project write-ups, meet-ups, trail runs, and general camaraderie. Welcome 4X4 Ham. We look forward to reading about all your activities.

Did you attend the Scottsdale SpringFest last month? What a great event! Don't have an "official" report on the event, but it appeared to have been very well attended and everyone had a good time. The weather was wonderful. There were seminars, VE testing and meetings in the church hall, and refreshments provided by church members for purchase - at very reasonable prices. If you missed it, put next year's on your calendar now as a must attend. It should be right around the same time. You won't be sorry!

The Yuma hamfest was held in February and from all accounts it was fabulous. Report is that there were 59 outside tailgaters and 29 vendors. The RV camping area was nearly full and just over 400 people attended the Buzzard barbecue on Saturday night. There were 21 seminars over the two-day event which were all well attended.

Next year, the 2016 Southwestern Division Convention will be held in conjunction with the Yuma Hamfest. The dates haven't been listed yet, but it will be held in February 2016. Keep checking the Event Calendar for more details as they become available.

The April Hamfest at DeVry is fast approaching. Scheduled for April 11, it will be held in the same place as years past. There will be lots of tailgaters and vendors, VE testing, prizes, DXCC card checking, refreshments and more. Gates open at 6:00 A.M. and admission is just \$2.00. Check it out!

The weather is warming up and summer is on the way. There are several Public Service Events schedule before the "summer hiatus" takes place, so check one out! Of course, you can always volunteer at the Center for Amateur Radio Learning at the Arizona Science Center. They are always in need of volunteers.

Enjoy the beautiful weather.

73,
Chris, N7PVL



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1-888-922-9295 or 602-863-0502



Amateur Radio Development Group

No Report Received.

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.



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ADAW WEBSITE

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.

April Test Sessions

Apr 2nd - CARBA -- 7:00 PM

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

Apr 4th - Oro Valley ARC -- 10:30 AM

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

Apr 4th - DeVry ARC & WVARC -- 9:00 AM

DeVry University, 2149 Dunlap Ave, Phoenix
 Contact - David Morrill 928.680.5011

Apr 8th - 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.

Apr 11th - Coconino ARC -- 9:00 AM

Northern Arizona University, S Knowles & Runke Dr Bldg 52, Flagstaff
 Contact - Roderick Martin 928.527.1139

Apr 11th - Radio Society of Tucson -- 7:00 PM

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

Apr 11th - April Hamfest at DeVry -- 9:00 AM

DeVry University, 2149 Dunlap Ave, Phoenix
 Contact - David Morrill 928.680.5011

Apr 18th - Central Phoenix VE Team -- 9:00 AM

Gilbert Farmers Market, 222 N Ash Dr, Gilbert
 Contact - Bill Martin 480.205.3625
 No Walk-Ins - Call ahead for details and instructions.

Continued Next Column



Public Service Calendar

EVENT	LOCATION	DATE
Cave Creek Trail Run	Cave Creek	04/04/15
El Tour de Mesa	Mesa/Scottsdale/Fountain Hills	04/11/15
March of Dimes March for Babies	Wesley-Bolin Park, Downtown Phoenix	04/11/15
Highline Trail Run	Payson Area	04/25/15
Pat's Run	Sun Devil Stadium at ASU - Tempe	04/25/15
Barn Burner Mtn Bike Race	N of Flagstaff / Kaibab & Coconino NF	08/29/15
Mogollon Monster	Payson Rim Area	09/26/15
Tour de Scottsdale	Scottsdale	10/11/15
Y Race Phoenix (YMCA Half Marathon)	Phoenix South Mountain Park	10/17/15
Javalina Jundred	McDowel Mountain Park	10/31-11/1/15
ADA Step out for the Cure	N Phoenix Baptist Church, Central & Bethany	11/07/15
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.



Test Sessions Continued from Previous Column

Apr 20th - East Valley VE Team -- 6:00 PM

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

Apr 21st - Boy Scout Troop 127 -- 8:00 PM

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

Apr 25th - 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

Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893



America's Ham Shack, Continued

There you are, sitting in the W7ASC Ham shack at the start of your shift. The Official Opening Time arrives, and visitors start to arrive. There is always a sense of anticipation. What will the day bring? You know the feeling . . . Each time that you turn on the rig and listen to the bands. Each signal is a surprise.

In the same way, each visitor is a surprise. Who will start the conversation? Will the visitor express curiosity, interest, some familiarity with Ham radio? Or just a blank stare, leaving it to the Volunteer to break the ice. And here they come! How to engage that stranger who comes into the Shack? Well, you have done it before, so you begin with a smile and a greeting.

“Welcome to the Ham Shack. We are prepared to provide you with a new experience. This is RADIO. Amateur Radio. Similar, in some way, to that cell phone that you are carrying, but far more powerful and more fun. No cost for minutes that are used.”

You listen for a response. Have you made a connection? Then you take the conversation wherever it leads. Any family member a Ham? Perhaps now an SK. Want to do Morse code? Try a radio contact? The day has started. Rarely twice the same. The juices are flowing and you are soon in the groove.

Every day is stimulating, but Saturday is special. Saturday is Teacher Day. Large numbers of them descend on the Arizona Science Center in advance of their class field trip. It is not difficult to recognize teachers as they walk about in small groups. See those clip boards? They hold a floor plan and some room for notes. There might be an agenda there as well. The Ham Shack is not usually listed as a point of interest for them; the volunteer must find a way to invite them to stop. This is important! If the teachers do not know what we offer for their classes, the cherubs will walk right past the Shack without giving us a glance. If, on the other hand, the teacher sees us as a useful experience, the class will include the Shack as an agenda item. The teacher is key to the class. Eh, Nota bene!

A few weeks ago the “My Digital World” Gallery was assigned to an outside activity and the W7ASC Ham Shack was inaccessible. But, being Hams, the volunteers who were there that day improvised by setting up a display in the lobby. If all of the computer elves and trolls cooperate, there will be a photo of a volunteer at the temporary station (Steve, WB4ZSC). You will see that he has added something special to the volunteer uniform.

We are collecting a sampling of the questions that are asked by visitors. They will appear in a future Newsletter. If you have one or more good ones, forward them to this scribe. The email address appears below.

Want to get in on the fun or just give it a try? Call Bob KG7QJ and ask for a chance to give volunteering a test drive

kg7qj@cox.net. It is the most fun that your faithful scribe has had in Ham radio.

Read the latest ARRL newsletter. It is available on-line. Good stuff about the increase in our (licensees) numbers. There is also a report on a new Bill in Congress that seeks to instruct the FCC to get those HOA antenna restrictions nullified. Do your part. Read the article and then write to your Representative. And when you write, avoid making it sound as if this is something that benefits Amateur Radio. Make it clear that this benefits the entire community. If you wish, copy the Public Service calendar from this ADAW Newsletter and attach it to your letter.

As of this newsletter the Tech class is underway for the Spring session. We started out with 24 signed up and expect the usual attrition to 15 or so. The VE test will be at the DeVry Hamfest Saturday, April 11th and we will report on status then. The next class is tentatively scheduled for the Fall, probably early September.





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

73 de Jean W4CIH
jeanjol@hotmail.com



Steve, WB4ZSC at the temporary W7ACS station.

ADAW

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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.			

See RF

What I am about to tell you should not be shared with the public. This story should be held in the strictest confidence.

I had been in Augusta, Georgia attending a seminar on wide bandwidth antenna design. After the seminar was over, I visited several surplus stores in and around Augusta. When I go to military surplus stores, I always look for interesting and unusual communications electronics that I can use with my amateur radio hobby. Sometimes high value test instruments show up, often at low prices. I like to buy one-off electronic systems that sometimes show up in the surplus stores. They often yield many subsystems that are great for parting-out to fill the junk box. The muggy weather in Augusta in August is another excellent reason to visit air-conditioned stores. The last store that I visited had little in the way of electronics. Nothing but dust bunnies skittered about on the shelves marked "RADIOS" and "ELECTRONICS" as the overhead fan went whup-whup-whup. Nothing else caught my attention, so I was on my way out the side door to endure the ninety degrees and ninety percent.

An olive drab colored Ford F-250 pickup truck had just parked in the loading zone next to the side door. The front of the pickup truck had no license plate, but had black stencil lettering on the bumper that I assume identified a military unit that the truck belonged to. There was also a blue sticker on the lower right corner of the windshield. Two men dressed in tan camouflage fatigues with tan canvas boots were unloading plain, cardboard boxes from the back of the truck and bringing them into the store. There must have been at least twenty boxes. I assumed that they were soldiers, but I could not see any name, unit, or rank insignia on their fatigues. The boxes were about a one foot cube with a meaningless part number stenciled on the side. What caught my attention was the word "TEMPEST" stenciled above the part number. My curiosity was piqued. I decided to wait around and find out what was concealed within the boxes.

The store clerk set one of the boxes on the glass counter top and opened it with a red folding box cutter. Inside were 16 aerosol cans, but they were larger than regular spray paint cans, maybe one foot tall and three inches in diameter. The clerk took one can out of the box. The label on the can was plain white with bright yellow lettering. Across the top and the bottom were the words "Top Secret" in block letters. I have seen documents with a heavy duty white cover sheets with block lettering in bright yellow "Top Secret," but I have never seen an object labeled as "Top Secret."

In larger block letters below the "Top Secret" was "CRF-E," and below that the words "See Radio Frequency – Electric." The store clerk held the canisters up in the air depressed the nozzle. Shhhhhh! An ultra fine, nearly invisible cloud of vapor filled the air. It certainly was not much to see, kind of puzzling. What use is that? The vapor remained for about a minute then it slowly dispersed. The store clerk vigorously shook the canister then depressed the nozzle again. The response was the same, a cloud of vapor appeared. He removed the small two-way radio attached to his belt to call his boss. As he pushed the transmit button on the radio, the cloud lit up. Blueish ripples of light radiated outward from the two-way radio and danced within the cloud much like the ribbons of light from the aurora borealis.

The clerk spent several minutes playing, alternately spraying then pressing the push-to-talk button on the radio. It was certainly fascinating to actually see an electric field waving through in the air. A rather stern voice came over the radio, "Michael, quit playing with the @#\$\$ radio." It was the voice of the store owner. The clerk

wore a blue plastic name tag with the name "Mike" engraved in white. The clerk finally asked the owner, over the radio, if he had ordered these spray cans. The owner had not. From the nature of the conversation I concluded that the owner was the father and the clerk, Mike, was his son.

Mike opened another box because it had a different part number, but inside were 16 more aerosol cans. He pulled one canister out of the carton. It looked nearly identical to the canisters from the first box except the label read:

"Top Secret"
"CRF-H" "See Radio Frequency – Magnetic"
"Top Secret"

The clerk was about to depress the nozzle button on this canister when there was quite a stir outside.

Two black Cadillac Escalades screeched to a stop in the parking lot. One car parked directly in front of the front door and other parked directly in front of the side door. Two men got out of each Escalade and entered the store. The first thing that I noticed was that one of the men from each car was carrying a short black shotgun with a pistol grip. The guns were held with both hands and displayed across their chests. The other two were carrying some sort of combat rifle, like an M16, but with an optical site system on top and a laser pointer below. Again, these guns were held by both hands and displayed across their chests. I was thoroughly intimidated and remained motionless.

After I regained some composure, I noticed that all four men were wearing black three piece suits. Wearing a black three-piece suit in Augusta in August is just plain torture. Upon closer examination, I realized that the vests were bulletproof Kevlar. Their black fedoras reminded me of the Blues Brothers, Jake and Elwood.

The tallest man of the four, he must have been six foot six, demanded to see the boxes. The boxes were right in front of them stacked on the floor. They asked if these were all of the boxes. Mike nodded his head up and down. And, they finally asked if we had opened any of the boxes. The two boxes that sat on top of the glass display case were obviously open. "Did you spray any of the poison?" he demanded. The clerk responded, "N-n-no." I said nothing. "If you sprayed any of the poison, you will have to go to with us to the hospital immediately." Mike shook his head left and right. Again, I said nothing. Another man in black spoke something into his concealed two-way radio.

A few minutes later, a white truck with a plain, white, ten-foot box on the back pulled into the parking lot. The driver, dressed in white coveralls, lifted the heavy duty rear roll-up door on the truck. He entered the store and one by one he loaded the boxes into the back of the truck. He had to squeeze around one of black Escalades in order to get out of the store with each box. Once all of the boxes were loaded into the truck, the man in coveralls tugged downward on the canvas strap, closed and locked the roll-up door. I recognized the lock as a Sargent and Greenleaf combination lock. He got into the truck and started to drive away. I noticed the white US Government license plate on the back of the truck.

As the white truck slowly drove away, the four men, without further word, left the store then got into their Escalades and followed the truck.

I never went to the hospital.

I will forever claim that an aerosol spray that allows us to see electric or magnetic fields in the air is a myth. Bd Orez

John L Marshall, WA7BSR
623-334-2583 wa7bsr@gmail.com



excellent prizes, swap meet items being tailgated as well as new items from vendors, and certainly expect lots of ham friends to share a pleasant morning with. We hope to see you there.

73,
Lori, WA7EDI
cripps@cybertrails.com

I hope you were in Yuma for the February 20-21 hamfest. If you weren't, you missed a good one! The event seemed well attended and very well planned. Highlights for me were the seminars and the opportunity to talk to hams that were already friends as well as some newcomers that we'll probably see there in many years to come. It's difficult to single out seminars that were special to me since I enjoyed everyone I attended, but I must admit it was interesting to see the Vietnam of the 60's/70's from the "other side." During the Vietnam crisis my father, WA7KOT, was a volunteer operator at Barry Goldwater's station, handling phone patch traffic from Vietnam to soldiers' families here in the United States. Since in the summer I was free from my high school teaching job, I sometimes logged for him at the station. I heard some of the many heartbreaking conversations, but I had no idea what the conditions were like at the Vietnam end. Tom Boza's (NE7X) and Ray Benny's (N6VR) session was extremely interesting to me. I'm sure my dad would have enjoyed a look into the Asian Mars stations even more than I did.

It was good to see so much representation by ARRL officials at the hamfest. Several ARRL officials were in attendance at the Yuma hamfest, including several from outside the Southwestern Division. Vice Director Marty Woll, N6VI, gave an interesting session on "When the Grid Goes Down," and Norm Fusaro, W3IZ, from headquarters enlightened us on the Logbook of the World. The ARRL Forum, conducted by Director Dick Norton, N6AA, let us know what the ARRL is doing for us right now. The ARRL is continuing to seek Congressional action to direct the FCC to extend PRB-1 type protections for amateurs residing in communities that have restrictive covenants and deed-restrictions. However, one of the latest challenges to the ARRL is to get the FCC to take action against individuals who are jamming nets in California, often using threatening and abusive language in doing so. This unthinkable behavior is a threat to every one of us. At the forum we all appreciated being able to express our views on important amateur radio matters to our ARRL representatives here at the Yuma hamfest.

And, of course, the Buzzard BBQ was delicious, as always! But what's of interest in the future? For the AARC it is full steam ahead with planning for the Arizona Amateur Radio Club's annual hamfest at DeVry University. ARCA is our partner in this big event, and we expect it to be very special. The date is April 11, which should be the most ideal time for Phoenix weather. We had one rainy April hamfest, but that isn't the norm, and just as our east coast visitors truly enjoyed Yuma's delightful weather, we expect more of the same at the AARC hamfest. Expect our usual delicious doughnuts and coffee (I'll be serving), VE testing at 9:00 A.M., several

Joe Cutitta, W0SLL and Verdamae Cutitta, KB7UJB



Gordon West WB6NOA, author of General Class Manual, with Verdamae Cutitta KB7UJB and Gary Hamman K7GH

RACES members (left to right) Charles Campbell K4AFN, Bob Hollister N7INK, Ev Wittig WB7VNF and Gary Hamman K7GH



MARTY WOLL
N6VI

**PARTICIPATION
BY
ARRL
OFFICIALS**



NORM FUSARO
W3IZ



DICK NORTON
N6AA



**CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER**

The next quarterly meeting of Chapter 6 is on March 28, 11am at the Old Pueblo Grill, 60 N Alvernon Way, Tucson AZ. Cathy Hufault, author of "Death Clouds on Mt. Baldy-Tucson's Lost Tragedy" will discuss her new book with a dramatic historic photo slide presentation.

Relive with the author the haunting historical tale of the largest search and rescue operation in Arizona history, all for three boys lost in a horrific unpredicted blizzard that, in 1958 brought sub-zero temperatures and blanketed the Santa Rita Mountains with a record three to seven feet of snow.

Learn about the amazing stories of survival and courage, true grit, and anguish on the trail as men struggle through armpit deep snow, helicopters hover at dangerous altitudes, and cowboys urge their horses through almost impossible feats. Cathy, a sister of one of the survivors and former Oro Valley mayor, interviewed over 100 people while researching her book; unraveling the hidden mysteries behind the tragedy.



Club Repeaters: 147.12 / 449.600

No Report Received.



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*

Upcoming Classes

YOUTH ORGANIZATION AMATEUR RADIO GENERAL LICENSE CLASS

WN7BSA and Boy Scout Troop 157 are sponsoring a series of General Class amateur radio study sessions. The study sessions will be held as a combination of classroom activity and on-the-air activity. Classes are directed toward Boy Scouts, Girl Scouts, 4H members, and other teenage youth who are members of a youth organization. The first classroom session will be held Thursday, March 19th starting at 6:30 PM. The location is the Immanuel Presbyterian Church located at 9252 E 22nd Street in Tucson. Potential candidates for the class should contact Joe, K3TYE at joestat4@msn.com or at his QRZ email address.

www.thesignman.com
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Each February there is a huge public service event that happens in central Arizona. Now that it's over for 2015, I'm not supposed to mention its name again until next year. Arrrrgggh! For approximately 40 hours during this event, hams track thousands of runners and vehicles to ensure their safety. The ARA reconfigures Rimlink, Metrolink, and a few other repeaters to provide coverage over the entire race route.

Besides repeaters, the ARA has 10 APRS trackers that are deployed for the event. They consist of an antenna, gps, radio, TNC, and battery built into a hard transport case. Programmed to the UHF APRS frequency to avoid congestion on the VHF 144.39Mhz, they act only as a beacon to report their position every few minutes.

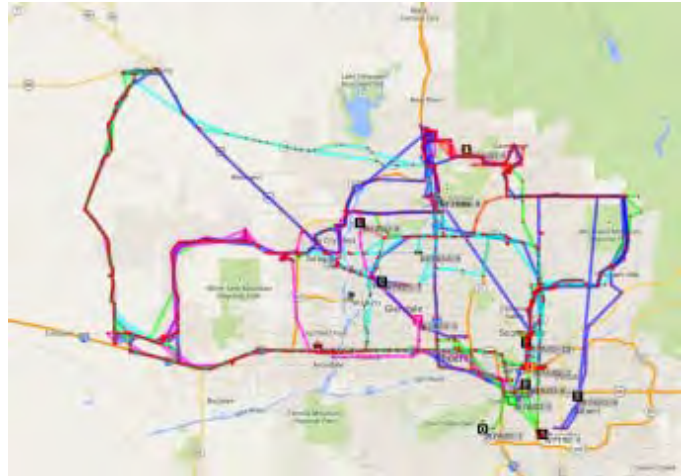


These trackers were built and used for many years before they fell into a state of disrepair. The 4x4 Ham guys volunteered to take over maintenance duties and brought them back to life in 2012. After batteries were replaced, wiring repaired, and TNC's reprogrammed, they were operational again. The group holds workshops in a garage, which are a guaranteed good time, plus a little work does get done.



The trackers were deployed in 2013 during the big event and beacons positions as intended. They worked, but we quickly discovered a flaw in how net control was able to view the stations. In 2014, we used what was learned and sent them out

again. Net control was given a pre configured laptop this time. Mapping/APRS software with the GPX file of the route and check points was loaded onto the computer. Filters were added to only show the tracker stations as well. It worked!



The true value of the trackers surfaced this year when a call for help came from one of the check points. Instead of net control having to waste valuable time to query for mobile support positions, they looked at the display on the laptop. Net control was able to see the mobile support closest to the check point and direct him accordingly. The call was made to 911 and rescue was on its way. The trackers helped again to aid in directing rescue to the location through heavy traffic and crowds.

We hope to continue to use the trackers for public service events each year. If you'd like to learn more or help out with the maintenance, watch the event calendar on the 4x4 Ham web site. If you have an event with many mobile stations and would like to deploy the ARA APRS trackers, please contact me.

Virgil, K7VZ
ARA President



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No Report Received.

ADAW

Well, this year at 4x4 Ham is off to a great start. We opened our yearly activities with the group's support of the annual Ragnar relay race held in the Phoenix metro area on February 20-21, 2015. For those unfamiliar, Ragnar is a 200-mile relay footrace held in the Valley each year. It usually starts in Wickenburg, winds its way down to Tonopah, then works itself north and east through Surprise, Carefree, and then back down to Scottsdale. It usually wraps up crossing the river into Tempe. The race is made of up teams from around the country. Each team has either six or twelve members and each member takes turns running a leg of the race. Communications support for this massive event is provided by the Maricopa County Emergency Communications Group, and 4x4 Ham normally volunteers to cover the more "out-of-the-way" locations in the desert west of Phoenix. We usually establish Camp Ragnar off Vulture Mine Road the Thursday evening before the race. Showtime for those working the start line is usually well before sunup on Friday. Once the runners are underway, the day is filled with logging runner numbers and times through checkpoints, ensuring aid stations are stocked with water and other supplies, and handling traffic for any medical emergencies which may arise. 4x4 Ham usually wraps up our portion of the event with a Saturday morning Camp Ragnar breakfast before volunteers head to their homes to get some well-earned rest. The Saturday morning breakfast photo is a long-standing 4x4 Ham-Ragnar tradition and features the 4x4 Ham crew, our favorite past-times (radios, guns, and bacon), and of course a guest appearance by The Most Interesting Man In The World, who doesn't often do amateur radio public service events . . . but when he does, it's RAGNAR!

4X4 Ham Continued from Previous Column

support of the event. These trackers allow Net Control to have near real-time awareness on the location of key amateur assets supporting the race. This photo is a snapshot from <http://aprs.fi> capturing tracker history on the race course:



Preparations will soon be underway for the 2015 ARRL Field Day, June 27-28, 2015. Each year for Field Day, we migrate north out of the Phoenix heat to enjoy the outdoors on the Mogollon Rim and spend some time on the radio. We usually participate in Field Day as a Class 1A station and there is plenty of time for radio operating throughout the event. We'll hold technical presentations and how-to's for those who are looking for a new project. VE testing is also normally held at the Field Day site, for those interested in getting licensed or upgrading their current license . . . and as always, there will be plenty of bacon to go around. If you or someone you know is just getting interested in amateur radio, come out and join us for this great event. Watch the website for details as we get closer to June.

Finally, watch the website for upcoming trail runs and other off-road related events, and if there's a run you'd like to make, feel free to post it in the forums. We're always looking for new places to go and new things to see . . . and some radios to operate along the way. Until next month . . . keep the shiny side up, and the greasy side down.



In addition to providing communications for the event, 4x4 Hams also maintain ten APRS trackers used by MCECG in

Continued Next Column Kurt, KE7KUS

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

SARC Continued from Previous Column



Many tailgaters on a beautiful day under the canopies.

We live in the best climate in the whole country. The winter has been very mild for us with quite a bit of rain to make everything grow. Of course, that means pollen and allergies in bloom. I guess that is better than 8 feet of snow and below zero temperatures. Every time I get on the radio with guys east of here, the subject is snow and cold. And when I talk with someone west of here it is drought and allergies. That gives us something to talk about besides the rig I am using. Besides a ham can talk your leg off on any subject. We all know that eventually the winter will become just a memory and our mild temperatures will become triple digits again. And I will complain because we have the worst climate in the whole country!

The general club meeting for March featured discussing the SpringFest. Paul Jorgenson led the discussion. He called for volunteers to help on the event and many club members did just that. There are many positions that need help to make this event a success. All of those volunteers that helped make this a super event deserve credit for a job well done.

Here are a few pictures of the SpringFest you might enjoy. There were about 80 vendors and about 500 people attending. The programs were well attended and the Church Youth Group provided the coffee and donuts. They were great. The VE program produced many new and upgraded hams. Congratulations to all.

Our raffle prizes were won by the following hams: First prize, Christopher Schwiber, KG7QWV; second prize, Barbara Garcia, KE7FON; Third prize, Steve Hutton, K7EU; Fourth place, John Kopala, K7JK; and Fifth prize, Bill Kouchis N9EIV. Congratulations to all.



Our club trailer with people buying raffle tickets

The program for April will be by Larry Foster, KC0JON on his latest trip to Honduras with medical teams. He goes with the doctors to provide communications via ham radio. He has participated in this very worthwhile program for many years. His presentations have a slide show with commentary about the communications set up and about the locale. He always makes good contact with the states to relay information between the doctor teams and medical facilities. This will be another great program.

Margaret Barry, K9BBF has agreed in principle to having the club there at her home in Paradise Valley again this year for Field Day. Last year turned out just great despite it being the first year for such an event. Wire antennas and a vertical were used. The air-conditioned ham shack was very comfortable for the operators and on lookers. There was a terrific Saturday dinner that everyone enjoyed. This year will be the same with a few refinements. So put this on your calendar for the last week end in June.


The club has a Net every Tuesday evening at 7:00 P.M. local time. The frequencies are 147.18 with a tone of 162.2 and 440.00 with a tone of 100. It is a general conversation net and we sometimes have interesting questions that all the check-ins can take a stab at answering. It is a good opportunity to try out your radio. And if you would like to try your hand at being the net control operator, all you need to do is ask. We will give you a chance to be a star!

Well, that is all I have for now. Be well and keep hamming.

Ed Nickerson, WU7S - enickerson427@aol.com
 Club Secretary

Continued Next Column

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.



Event Calendar

Old Pueblo Radio Club INTERMOD

President's Column

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, 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. Watch for more 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. Free Admission. Tailgate spaces: \$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>.

23 - 24 October 2015 - **2015 Arizona State Convention/ Mohave ARC Hamfest** - hosted by the Mohave Amateur Radio Club will be held at the Mohave County Fairgrounds, 2600 Fairgrounds Blvd in Kingman. Vendors & Exhibitors - Tailgating & Swap Meet - License Testing - DXCC Card Checking - Prizes - On-Site RV Camping. Admission: \$5.00. Contact Bill Smith at 9283303.9857 (email bill_1021@gmail.com) or Kevin Walsh at 928.514.4237 (email kd7hve@msn.com).

The February general meeting opened with a discussion of membership status and dues, followed by a treasurer's report.

Of lighter note, a discussion began about how to obtain temporary permission to operate in South America in general, and Mexico in particular. We hope to have more information at our March meeting.

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

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

Calendar Continued from Previous Column

14 November 2015 - **HARKFEST Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at the North Ranch Escapees RV Park, 30625 S Highway 89 in Congress. Hours are 8:00 AM until 12:00 Noon. Free Admission - Free Tailgate Space (pre-registration required) - Overnight Camping with Full Hook-Up or Dry (pre-registration required at www.escapees.com/parking/congress) - Free VE Testing - Prizes - Arts & Crafts Show - Lunch Available beginning at 10:30 AM.



Continued Next Column



Emergency Communications Since 1961

SHORT SKIP

Prez Says

We just finished the monthly board meeting; some of the things discussed are as follows:

We talked about moving the vote to except the constitution, bylaws, changes and additions; more to follow.

Next - The May program will be about the antique ham radios by Dick Stout, and also go to see them at his home.

Next - We discussed the possibility of starting class for people who wish to upgrade their license to general. We have quite a few VEs to help.

To those are not used to the heat, we wish a great summer and remember to make an effort to try our morning and evening nets, on echo-link use the NY7S repeater node 598882.

All of who bare the cool summers we have hi hi, take your mind off the weather and check into the nets on 147.300+ PL 162.2 every morning at 9:00 a.m. and Monday through Thursday at 8:00 p.m.

Keep on smiling till next time.

Jim Haveron KA7UND 73s
President

At the March meeting, Paul Playford W8AEF gave a presentation on his DXpedition to Western Soma. The beach resort they stayed at . . . well, it's not, no beach, no resort. The electricity is on a pay-for-use meter. The motel prepays for electricity, however the meter ran out at night. The next morning, the power was on and they were are operating.

Paul operated on 10-meters. Out of 1,000 Qs, Paul made 300Qs, and 180 Qso. Funny thing happened though, they needed a bucket truck to repair an antenna. So, a call was made to the rental agency.

"We need a bucket truck."

Rental agency: "A what? What do you want to do with it?"

Paul: "Repair a radio antenna."

Rental agency: "How high is it?"

Paul: "About 35 feet."

Rental agency: "Oh, you need a bucket truck!"

Another instance - The bedroom has two single beds. They look ok, but when the covers are pulled back, it's revealed that there is no mattress and no bedsprings, just a box.

All in all they made 2300 contacts, so not a bad DXpedition, although a little rough.



Club Test Sessions

West Valley ARC License Exams

Four candidates were examined at the March 2nd session. Three earned Extra Class licenses and one failed the Technician exam.

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

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

For more information, please call Joe Cutitta W0SLI at 623.337.0040 or 623.215.2226.

DeVry University Test Sessions

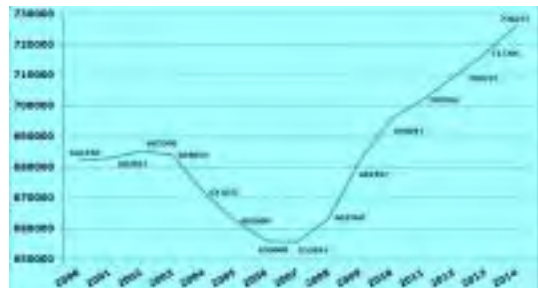
The next exam session is Saturday, April 4th, 2015. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM.

Four candidates were examined at the March 7th session at DeVry with one Technician Class, two General Class, and one Extra Class license earned and one failed the exam.

Administering VEs were:

David Morrill N7TWT Liaison, James Skinnell K7EOG, Bill Martin AI0D, Robert Miner KA7NPQ, Daniel Ford K2LH, Mike Richards KI7S, Rober Fairfield K7RQN, and Joe W0SLI and Verdamae KF7UJB Cutitta.

Number of US Amateur Radio Licensees at All-Time High
Amateur Radio numbers in the US from 2000 through 2014. The FCC dropped the Morse code requirement in 2007.



[Prepared from statistics compiled by Joe Speroni, AH0A]

Outside of a little dithering last fall, growth in the Amateur Radio Service in 2014 was steady, according to figures compiled by Joe Speroni, AH0A, on his FCC Amateur Radio Statistics web pages. Over the past decade, the number of Amateur Radio licenses in the ULS database grew by some 8.1 percent. But 2014 was also a banner year for the ARRL Volunteer Examiner Coordinator (VEC).

"For the first time in the ARRL VEC program's history, we have conducted more than 7000 Amateur Radio exam sessions in a year, an important milestone," said ARRL VEC Manager Maria Somma, AB1FM. "A total of 7216 ARRL-sponsored exam sessions were administered in 2014, compared to 6823 in 2013."

From The ARRL Letter March 5, 2015

Contest Corner

Lots of interesting contests this three month period. Three Major contest (bold and underscored) – two are ssb. Four contests use ss and cw and one is bpsk (You may have to read all the rules for this one. I've never done that mode, but maybe I should. :) See the WA7BNM references below.) And two QSO party events – Florida and our 7th district – all are both modes: ssb & cw. I'd suggest you pick out a few, read the summaries at WA7BNM web site (see below) and the rules and get your station ready a few days before the contest/event. Give me a call if you have any questions: 630-209-4116. (all times and dates are stated in Arizona time and date)

--- April 11 Sat. 0:00 AM – April 12 Sun. 6:00 AM -- Japan Intl. DX Contest, ssb & cw
--- April 25 Sat. 9:00 AM – April 26 Sun. 3:00 PM -- Florida QSO Party, ssb & cw
--- May 2 Sat. 6:00 AM – May 3 Sun. 12:00 PM -- 7th Call Area QSO Party, ssb & cw
--- May 23 Sat. 5:00 AM – May 24 Sun. 5:00 AM -- European PSK DX Contest, psk
--- May 29 Fri. 5:00 PM – May 31 Sun. 5:00 PM -- CQ WW WPX Contest, cw
--- June 13 Sat. 11:00 AM – June 14 Sun. 8:00 PM -- ARRL June VHF Contest, all modes
--- June 19 Fri. 5:00 PM – June 21 Sun. 5:00 PM -- All Asia DX Contest, cw
--- June 27 Sat. 11:00 AM – June 28 Sun. 2:00 PM – ARRL Field Day, ssb, cw & fm

Good contesting to all, John, N9NA

Details 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.

Remember you can always casually participate in these contests - most any contest - 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.

By John Siepmann N9NA



One meeting every year. That's how often, or should I say how seldom, the Mingus Mountain Repeater Group OFFICIALLY gets together. Does that define us as an inactive organization? Definitely not! Let me tell you what goes on in the MMRG! We DO get together! Every morning between 6:00 A.M. and 7:00 A.M. there is an open round table on the 147.00 repeater which at that time also has a link to the KC7GHT 70 CM repeater in Phoenix. Monday through Friday the control station is "Emperor" Bill Boggs, KD7VLL. On Saturdays, the control station is Dan Crouch, KF7TZZ, and on Sundays, it is Loren Singh, AE7CG. On Tuesdays at 7:30 P.M., the MMRG has a net with WB7UXZ, Jim, acting as net control. These round tables and the net bring the MMRG members together, often daily, and give us a chance to exchange ideas.

Our quarterly newsletter, published by President Bob Sitterley, K7POF and the MMRG website, www.mingusmountain.org (soon to be k7mrg.org) which is also produced by K7POF, are tremendous helps in keeping members and other interested individuals informed. Bob does an exceptional job on both the newsletter and the web site. Back issues of the newsletter are available on the website as well as information and photos of the Mingus repeaters.

Yes, repeaters. Remember that the Mingus repeaters are the main purpose of the MMRG, and keeping our two repeaters, the 147.280+ 600 with PL 162.2 in downtown Phoenix and the 147.000+ 600 with PL 162.2 on Mingus Mountain in top shape requires a great deal of expertise, provided mainly by the technical committee of the MMRG: Jerry Roberts, KB7CN; Hartley Gardner, W1OQ; and Bob Sitterley, K7POF. Their job is an active one, but essential in providing the much-needed communication between Phoenix and northern Arizona.

Our next scheduled MMRG membership picnic (meeting) will be in Chino Valley on Saturday, May 9, 2015. The board meets annually in January in the Phoenix Area.

Several amateur radio operators have recently joined the MMRG. We welcome the following new members:

*Todd White, KF7QJN of Prescott Valley
*Mike, K7QDX and Liz, KF6TZU Steiner of Prescott Valley
*Russ, AD6ZL and Donna, KG7PAK Sherwin of Prescott
*Jason Toogood, KE7DYN of Camp Verde

Our present roster has 75 members plus spouses that are also hams. Our group is growing and is a very active one. Be sure to visit our website. It is an excellent example of what an amateur radio website should be, fun to browse and full of information. Also feel free to join us in our net and round tables. We welcome all amateurs whether they are members of the MMRG or not.

73, Lori Cripps, WA7EDI

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Eric, K6EJC, Mgr.
Magnolia between
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burbank@hamradio.com

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(877) 892-1745

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

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(877) 520-9623

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

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94085
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(877) 892-1749

Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE

(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092

(800) 644-4476

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

PORTLAND, OR

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

(800) 765-4267

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

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8400 E. Hiff Ave. #9, 80231
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(800) 444-9476

John W0IG, Mgr.
denver@hamradio.com

PHOENIX, AZ

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

(800) 559-7388

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

ATLANTA, GA

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

(800) 444-7927

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

WOODBRIIDGE, VA

(Near Washington D.C.)
14803 Build America Dr.
22191

(703) 643-1063

(800) 444-4799

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

SALEM, NH

(Near Boston)
224 N. Broadway, 03079
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FTDX3000 100W HF + 6M Transceiver

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FT-897D VHF/UHF/HF Transceiver

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FT-857D Ultra Compact HF/VHF/UHF

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

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FT-7900R 2M/440 Mobile

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

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FT-8800R 2M/440 Mobile

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

Call Now For Low Pricing!



FTM-4000R 2M/440 Mobile

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

FT1DR 5W Digital Xcvr

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

Also Available in Silver!

VX-6R 2M/220/440 HT

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

New Low Price!

VX-8DR

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

FT-60R 2M/440 5W HT

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

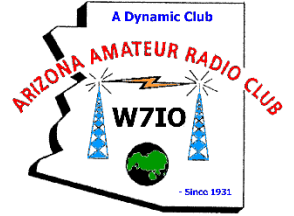
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The Arizona Amateur Radio Club and
The Amateur Radio Council of Arizona present the

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

Grand Prize—Yaesu FT-7900R UHF/VHF Mobile

Second Prize—Kenwood TM-281A 2M Mobile

Third Prize—Baofeng UV-82R UHF/VHF HT

VE Testing - 9:00 AM in DeVry Library

DX QSL Card Checking - 9:00 to 10:00 AM

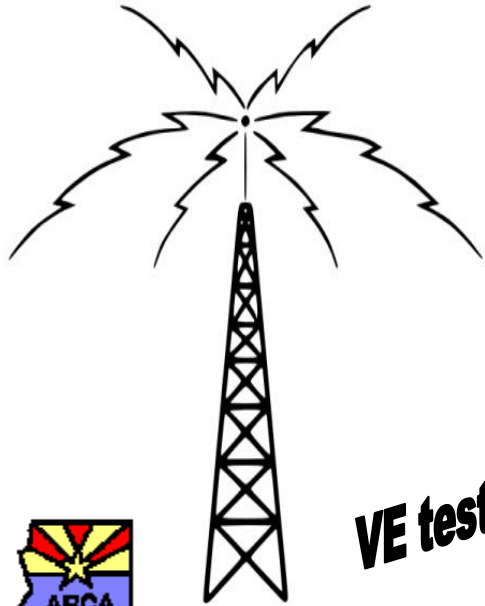
Talk-In on 147.060 (+) (No PL)

For more information or to reserve a space, email ARCA at
arca@arca-az.org or Gary Hamman at k7gh@arrl.net.

Visit the ARCA Web Site at www.arca-az.org for a map to the site.

BROWSE - BUY - SELL - TRADE

SPEND THE DAY WITH FRIENDS



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



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

WILLIAMS RODEO GROUNDS, 800 RODEO ROAD
WILLIAMS, AZ



GATES OPEN AT NOON THURSDAY, JULY 23 FOR SET-UP.
HAMFEST OPENS AT DAWN FRIDAY, JULY 24.

FREE ADMISSION!

MAIN PRIZES

Grand Prize - Yaesu FT-897D HF/6M/2M/70CM Mobile
Second Prize - ICOM IC-2730A Dual Band Mobile
Third Prize - Yaesu FT-60R 2M/70CM Dual Band HT
Fourth Prize - Kenwood TM-281 2M Mobile
Early Bird - Baofeng UV-82R Dual Band HT

ALL OUTSIDE SPACES

\$20 per Space before July 1

Selling and/or Camping

INSIDE SPACES - \$85 per Space

Advance Reservation Closes July 1

After July 1 - On-Site Reservation Only

\$25 per Space

(all prices are for entire weekend)

FOR RESERVATION INFORMATION

Visit the ARCA Web Site

www.arca-az.org

On-Line Reservation Available on Web Site

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

Talk-In - 146.78 - (91.5 PI)

PRIZES

DOOR PRIZES EVERY HOUR

RAFFLE TICKETS

12 for \$20, or 3 for \$5.00

Commercial Vendors, Huge Swap
Meetings, Seminars, Activities, VE Tests
ARRL Card Checking, Hospitality Suite
Saturday Night BBQ Dinner



Sunday, July 26 - Grand Canyon Train Trip

SPECIAL EVENT STATION!

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



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



HARKFEST Tailgate Hamfest

Presented by HARK (Hassayampa Amateur Radio Klub)

Sponsored by RFStuff

Nov. 14, 2015

8 am - Noon

North Ranch Escapees RV Park

30625 S. HWY 89, Congress, AZ 85332

(GPS 34 06.292 112 49.880) MM 263.8

ARRL Card Checking

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

Register at n0daj1950@gmail.com

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

(pre-registration required at www.escapees.com/parking/congress)

Tailgating allowed at campsite

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

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

Second Prize, Tram 1480 8ft Dual Band Antenna

(supplied by RFStuff)

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

Drawing at Noon

Door Prizes

Vendors

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

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

Lunch available, served by the "North Ranch Busy Bakers"

(beginning at 10:30 am)