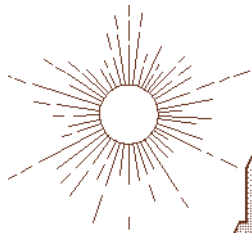


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 40, No 11

November 2015

CLUB MEETINGS SCHEDULE

SARC
Nov 4th
Scottsdale Community College
7:00 PM

AARC
Nov 12th
Red Cross Bldg. - Phx
7:30 PM

OPRC
Nov 11th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC
Nov 19th
North Phoenix Campus
Northern Arizona University
7:00 PM

CLUB MEETINGS SCHEDULE

CARL
TBD
AZ Science Center
10:00 AM

QCWA
December
TBA
Carefree Area
12:00 PM

SuperstitionARC
Nov 17th
Mesa Utilities Building
7:00 PM

MARCA
Nov 17th
Denny's Restaurant - Tempe
6:30 PM

ARDG
Every Wednesday
Phoenix Country Day School
11:10 AM

WVARC
Nov 2nd
St Clement Catholic Church
Social Hall
7:00 PM

ARA
Nov 23rd
Denny's Restaurant - Tempe
7:30 PM

MARA
Nov 28th
Maricopa Public Library
9:00 AM

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at www.W7IO.org for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Joe Cutitta	W0SL	623.215.2226
Secretary	Rosemary Kydd	N7PLN	623.980.7282
Treasurer	Bob Hodges	K7JTT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JTT	602.375.9982

AARC c/o Bob Hodges, K7JTT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.0500/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

CENTER FOR AMATEUR RADIO LEARNING

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

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

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.

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

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

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

OLD PUEBLO RADIO CLUB

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

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

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

BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

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

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

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

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

Web Site: <http://azqcwa.org> Email: w7bj@outlook.com. DUES: \$7.00/year and current national QCWA membership.

MINGUS MOUNTAIN REPEATER GROUP

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

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

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

ADAW Member Clubs

THUNDERBIRD AMATEUR RADIO CLUB

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

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

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

AMATEUR RADIO DEVELOPMENT GROUP

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

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

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

ARIZONA REPEATER ASSOCIATION, INC

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

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

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

SUPERSTITION AMATEUR RADIO CLUB

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

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

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

WEST VALLEY AMATEUR RADIO CLUB

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

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

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



ADAW

ADAW Member Clubs

4X4 HAM

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

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

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

MARCA, Inc. / W7MOT

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

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

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



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

Deadline is 10th of the month

MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **LAST SATURDAY** of each month at 9:00 a.m. at the Maricopa Public Library, 41600 W Smith-Enke Rd., in Maricopa.

President	Ford Willman	W5FW	520.568.6357
Vice President	Joshua Babb	W3JB	801.358.1078
Secretary	Andy Raine	W3PR	602.413.7947
Treasurer	Steven Ruggles	KG7GYM	520.568.2023
Board Members:	Steve Miller	W6SDM	602.290.1603
	David French	N7FAN	480.430.9426
	Bob Howard	W8RH	520-709-6176
	Curt Steger	NA7CS	520-568-9471
	Ronald Beasley	KG7MUV	520-568-4880
PIO:	Steve Miller	W6SDM	602.290.1603
Webmaster:	David French	N7FAN	480.430.9426

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

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

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FROM THE EDITOR'S DESK

The year is winding down to an end and the holiday season is just around the corner. Amateur radio has entered its busiest time of the year as well. There were two events in October - CopaFest in Maricopa and the 2015 Arizona State Convention/Kingman Hamfest in Kingman. Hope everyone got to participate in at least one of them.

CopaFest was held at the Ultra Star Center at Harrah's Ak-Chin Casino. The Maricopa Amateur Radio Association did an excellent job with their first hamfest. Turnout was good, both in attendance and tailgaters. Several seminars were presented and ARCA held its administration hand-over and hamfest wrap up meeting at the event. Two VE sessions were scheduled also - one morning and one afternoon.

The venue was excellent. The Ultra Star Center features a movie theater, bowling alley, arcade, and more. The casino is located approximately a quarter of a mile away. If that wasn't enough entertainment, a free concert was held that evening featuring three well-known bands - Skid Row, Great White and Autograph. What a great way to complete the day.

The Ultra Star Center at Harrah's Ak-chin Casino will be the site of the 2016 Arizona State Convention. The Maricopa club is already making plans and putting together a great event for you to enjoy. Keep watch for details and make plans now to attend. The dates for the convention are October 21 & 22, 2016. See the Hamfest Calendar on page 16 for more information.

The 2015 Arizona State Convention/Kingman Hamfest was held on October 23 & 24, 2015 at the Mohave County Fairgrounds in Kingman. Preliminary reports show that it was very successful. Attendance was estimated at approximately 800 (including vendors and volunteers). Lots of door prizes and four very nice grand prizes were given away during the two-day event. The Friday night convention dinner was held in a reserved room at the local Golden Corral restaurant.

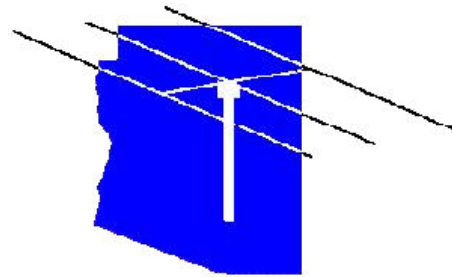
Approximately 70 people attended. Gordon West, WB6NOA was on hand and gave a short presentation at the dinner. Lunch was available for purchase in the hall. Donuts, coffee, and sweets were also available. VE sessions were held Friday and Saturday afternoons with approximately 20 applicants each day. Numbers haven't been made public yet, but reports are that most were successful. All in all, a great event.

November brings three hamfests to the state - that's right - three! First up is the Cochise Amateur Radio Association's Fall Swapmeet and Communications Exercise in Sierra Vista on November 7. The event is held at the club site - Green Acres - on Moson Road.

Also, on November 7 is the Oro Valley Amateur Radio Club's hamfest in Marana at the Marana Middle School on Grier Road.

The third event is HARKFEST which will be hosted by the Hassayampa Amateur Radio Klub on November 14. The event will be held at the North Ranch Escapees RV Ranch in Congress.

For more information on these events and all the upcoming hamfests in Arizona, see the



MARCA INC.

No Report Received.

ADAW

Hamfest Calendar on page 16. Details are added as they become available, so be sure to check the calendar each month.

As Thanksgiving draws near, I'd like to take this opportunity to thank all the people who make this newsletter possible. Thank you to our advertisers for their continued support. Your advertising dollars enable ADAW to continue to bring the club's news to their members.

I'd also like to express my appreciation to the individual club editors for their dedication in writing the club columns. Your efforts keep the pages of ADAW full of important and interesting news of our clubs. Thank you.

And last, but definitely nowhere near least, a sincere thank you to all of you - our readers. Without you, ADAW would have no reason to exist.

Have a Happy Thanksgiving everyone. And don't forget to check out one of the November hamfests!

"See" you next month,
Chris, N7PVL

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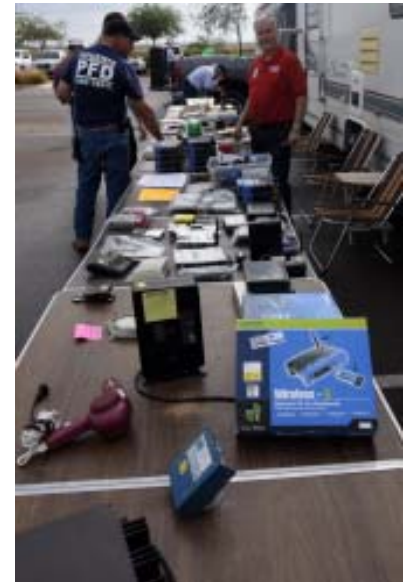
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The First Annual CopaFest in Pictures



Photos by John Marshall, WB7BSR



WELL, if you were not there, at W7ASC, you missed A BIG ONE! Yes – we said BIG.

On Saturday and Sunday, September 19 and 20, admission to the Arizona Science Center was FREE! Gratis - no charge - Nada. To anyone and everyone.

But before we get started with the newsletter, here is some “Breaking” News?

~~~~~

The Technician class started at the Arizona Science Center on 3 October with 12 students. A bit later than usual, but there had been some construction that got in the way. Enrolled in this class is a mom and young son. The son initiated the enrollment. The parent signed up by default. The child cannot drive, the parent would be there waiting for the child to come out of the class, so - why not? The parent advised the instructor that her son fully expected to pass the test, but also expected that his mom might not! The child, mind you this is a third grader, was looking forward to the situation where he would be the Control Operator and his mom would need his permission and help in order to get on the air. The class instructor predicts that this youngster will be an Extra class before graduating from fourth grade. Someone had better warn the World!

~~~~~

A “few” people took advantage of the “Free Admission” offer. A local grocery store picked up the tab for ASC visitors. The place was packed, from almost before the time that the gates opened until closing. As you might imagine, the Harkins Ham Shack had a busy day. Very busy! Even with an infusion of brave volunteers, there was little rest for those on duty. Here is some perspective. On an average day, the Station completes about 60 Morse code certificates and as many “I sent my name in Morse code” stickers. On this memorable weekend, the count was **well over 750!** There were some really, really tired volunteers heading home at the end of that weekend.

The place was noisy, as you might imagine, too noisy to even attempt any radio contacts. The action continued without a break – some volunteers almost missed lunch. Food was provided to staff and volunteers by the Arizona Science Center, and it served to help the volunteers survive the grueling, but fun, day. It took a lot of sandwiches – there was a very large crew on duty.

That was all very good news. Good news for the community, good news for W7ASC, and super news for the Arizona Science Center, as many of the visitors had never entered the Science Center before that weekend. Probably good news for

that generous grocery chain, too.

If this ever happens again, do not be left out. Sign up to help at the Shack. A most unusual Ham experience.

And that is the good news. There was a down side.

This was a large crowd. We heard attendance numbers of about 32,000. Most were from the Valley. These were our neighbors, but the overwhelming majority was clueless about Amateur radio. There were the usual visitors who stepped into the station and announced that they, too, used CB, or knew someone who did. Some youngsters owned “Walkie Talkies” and they were surprised that Amateur radio required a license. At least these youngsters recognized the Morse code that was printed on the back of their toy. But few of them had actually tried it.

Some visitors offered condolences to the volunteers. Why would they want to be part of a “dying technology?” And that is a direct quote.

The sad news, therefore, is that the Ham community has failed to inform the Public, the Public that Ham radio claims to serve, that there is this service. Everyone, and we do mean EVERYONE, knows about Cell Phones. When the volunteers start to describe the Public Service provided by Hams, at no cost to the beneficiaries, that service is dismissed as unneeded. Cell phones do the job and no need to bother with licenses.

Ham radio has a PR problem. Ham radio is, essentially, a closed society. Our literature is written for Hams. Hams talk to Hams. ARRL turns out tons of great stuff – primarily for Hams. ADAW, full of local action, is distributed to – HAMS! Get the picture?

It is so rare to see a Major News Article about Ham radio that ARRL reprints it in QST. News on TV? Big disaster. You know that Hams are out in force, providing critical communication service to a stricken community. How often do you see a shot of a Ham working the disaster net with his/her own gear when everything else is down? There is something wrong here, and it is up to Hams to take corrective action.

If we receive any feedback from the ADAW readership, this scribe might devote an entire letter to suggestions for corrective action. If the Readership believes that the issue should be addressed!

Write or call W4CIH in Ahwatukee 480-664-7353 jeanjol@hotmail.com

Enjoy the Volunteer Experience at W7ASC. Bob KG7QJ does the scheduling. You can visit the Shack, located on the third floor of the Arizona Science Center, in order to observe the action. Call Bob at 480-961-1109 or e-mail at kg7qj@cox.net. You can download the (simple) volunteer application form from the Arizona Science Center web site. Contact Jan, the ASC Volunteer coordinator, to get the usual paperwork and registered as an ASC volunteer. Jan’s phone is 602-716-2037, e-mail stonebrakerj@azscience.org Volunteering is not a lifetime commitment! Bob will fit your availability into the schedule. And then the fun begins!

Continued Next Column

An Adventurousome HAMCON 2015 ARRL Southwestern Division Convention

Friday morning, September 11, 6:30 A.M., we were on our way. We settled into the very comfortable Torrance Marriott Hotel and registered, submitted our letters regarding HOA antenna restrictions through N6VI, Marty Woll, and spent a nice evening with ham friends we hadn't seen for a while. Saturday morning the schedule was full of tech sessions we wanted to attend, usually five choices every hour, but we began the day with breakfast, which included a presentation by Carole Perry, WB2MGP. Carole created the RCA Youth Activities Committee, establishing radio/technology programs at schools and youth groups nationwide with donated equipment, cash grants, books, and supplies. She has moderated the Dayton Hamvention Youth Forum and Instructors' Forum for 28 years. Her presentation was interesting and inspiring.

If you haven't attended an ARRL convention in a while, you are missing a great experience. Besides 39 vendors, I counted approximately 43 tech talks on the schedule. I certainly can't give you a complete list of them, but we attended "Voice of America: Delano DL-8—Preserving a Piece of History" presented by Dennis Kidder, W6DQ. This session detailed the Collins Collectors Association's efforts to save the largest SW broadcast transmitter ever built by Collins Radio. It also included a history of the Voice of America. An especially interesting session was one done by Ed Hare, W1RFI, laboratory manager at ARRL headquarters. His session was called "The ARRL Lab: Trials, Tribulations, and (Tall?) Tales," and it included a look into the joys and problems related to the ARRL lab. Although I can't discuss all the sessions we attended, I found the "Amateur Radio in Burma" session given by Gurux Singh, W6BUX, especially interesting since it went into Gurux's experience there as a youth as well as the amateur radio situation in Burma now. You can tell that the variety of subjects covered by tech talks is extensive.

The ARRL Forum provided some good interchange of ideas between ARRL reps and members. We remind you to continue to write letters to representatives regarding The Amateur Radio Parity Act of 2015 — H.R.1301 in the US House of Representative and S 1685 in the US Senate. Discussion also regarded getting the FCC to pursue interference from intentional jammers and power lines.

Undoubtedly one of the most unforgettable presentations of the convention occurred at the Saturday evening banquet. Gordon West, WB6NOA, made some introductory remarks and did some fun demonstrations. The banquet speaker was Chip Margelli, K7JA. Chip is probably most famous for his Tonight Show appearance with Jay Leno in 2005 when he competed using Morse code and defeated the champion cell-phone text message sender in a message-completion speed contest. Chip has also done many DXpeditions. His presentation was on the history of Amateur Radio, and it was extremely interesting and entertaining.

Attending the Southwest Division Convention is an excellent way to keep abreast of amateur radio. Watch for announcements of the SW Division Convention for 2016 in Yuma, February 19 to 21, and put it on your calendar.

73,
Lori, WA7EDI



Dick Norton, N6AA



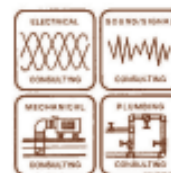
Chip Margelli, K7JA



Gurbux Singh, W6BUX



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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.



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

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

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

Tom Fagan, K7DF, President
k7df_tom@yahoo.com

AARC Continued from Previous Column

at Maricopa or Kingman, maybe we will at Marana, or Sierra Vista, or Congress, or Mesa, or Glendale, AND DEFINITELY AT THE DEVRY PARKING LOT IN EARLY APRIL!!!

73, Lori Cripps, WA7EDI



Anticipating the work that needs to be done.
Left to right: Mike KG7OSR (facing away), Frank KB7IQ and Larry (from Red Cross), Mark N7KKQ, Steve W7WSV.



Frank Engstrom, KB7IQ
installs connector

More Pictures on Page 10

The Arizona Amateur Radio Club is busier than ever. Besides the regular monthly meetings, the VE test sessions, and the weekly Thursday night 2-meter net, several of our members have been diligently working on the roof of the American Red Cross Building. Special thanks to the efforts of AARC members Steve Tolnai W7WSV, Gary Hamman K7GH, Mark Kesauer N7KKQ, and Mike Zachary KG7OSR for their efforts in getting antennas on top of the building.

Present status at new American Red Cross Building:

- 75/40/20 meter trap dipole installed
- Triband Beam installed on the roof
- VHF/UHF Vertical installed on the roof
- VHF/UHF and HF Radio set up in Radio Room along with 49 MHz Red Cross Radio
- Rotor cable to beam needs extending

By the time this goes to press there will be even more progress on the rooftop setup since a work party is planned for later this week.

Our October 8 meeting actually was about the Red Cross, especially those functions that happen in the new building. Austin Creswell, the primary Red Cross staff contact person, gave us an overview of who does what and the organization now that we are part of the Arizona-New Mexico-El Paso Region. Members also got a chance to see the Comm Room. Our members were asked to comment on any experiences they have had with Red Cross emergencies. Although most had none, two or three members had some emergency experiences to report. I feel sure that this introduction to the Red Cross Building and this evening's visit and presentations by Red Cross members and volunteers gave all of us a better understanding of the role that the American Red Cross plays in emergency efforts.

The past month has been full of amateur radio events, so the October 8 meeting at the Red Cross Building provided a chance for attendees to hear about the ARRL Southwest Division Convention in Torrance and the last ARCA meeting. We also became aware that November 4 will find amateur radio operators involved with the state Emergency Exercise and HAMEX. Typically not many emergency messages are handled using ham radio. During this exercise, commercial communication system outages will begin around noon. HAMEX runs from 2:00 P.M. to 8:00 P.M. when agencies will have messages that must be sent by ham radio since commercial communications are out. Now would be a good time to sharpen your message sending skills. Get familiar with FEMA ICS Message Form 213.

A list of coming events is extensive between the present time and the tentative April 9 date of the AARC/ARCA Hamfest at DeVry. This is definitely hamfest time. If we didn't see you

Continued Next Column

Antenna Work on the Roof Top of the American Red Cross Building



Maricopa Amateur Radio Association hosted its first hamfest on October 17. An entire year's worth of planning went into this event and since it was our first one, it wasn't without a lot of anticipation and anxiety. Would the vendors show up? Would anyone else show up? Would we lose money on the event after paying our expenses? After all, we weren't charging admission so that was a real possibility.

Another big concern was the weather. It had rained the day before and we were scheduled for rain the day of the event. As it turned out, all of our worries were unnecessary. It waited until after everyone had left and the grounds were cleaned up to start pouring.

Our hamfest included a balloon launch, actually two of them, by Arizona Near Space Research, a really amazing group of people. These guys have the ability not only to get a balloon and payload into near space but to accurately predict where it will come back to earth, miles away. Their predictions said that if we were to launch from the site of the hamfest the balloons would encroach into Sky Harbor airspace. Safety of everyone is a primary concern so the launch site was moved about 15 miles to the south. We were able to monitor the ascent and decent from their booth via APRS and live video.

The payload came back to earth exactly where they said it would, in a field near the University of Arizona Agricultural Center, east of town. If you're interested in high altitude balloon launching, tracking the payload by APRS, and being part of the off road recovery, you should visit Arizona Near Space Research at www.ansr.org.

The entire event was a huge success. While we had a few complaints about the rock concert that was scheduled for later that evening doing sound checks, it seemed most everyone had a great time. We brought several new hams into the community via VE testing and acquired some new club members, including one visitor from Sweden. And our bank account was even left in better shape than when we started out.

Next year, we will be hosting the 2016 ARRL Arizona State Convention. Planning for that event has already started.

73, Steve W6SDM



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**Unique Handmade Jewelry and Gift Items
at Affordable Prices**



ARA Continued from Previous Column

[ARAREpeaterInfo.pdf](#) to find out which repeaters have autopatch access.

2. Listen to make sure you aren't interrupting a conversation already in progress.

* If this is an emergency, feel free to break in the QSO by announcing "Break" immediately after a station stops transmitting, then wait to be recognized. Once recognized, explain your situation and the other stations will pause their QSO allowing you to make your call.

3. Key up, slowly and clearly announce your callsign followed by "accessing the autopatch."

4. Without unkeying from your announcement, press the * key on your mic's keypad, followed by the 10 digit phone number.

5. Keep the radio keyed up for a half a second after you dialed the last digit, and release.

6. If you unkey at any time during your announcement or before you complete dialing the whole phone number, you must unkey and start over, including the announcement.

7. If everything went right, when you unkey after dialing, you may hear the repeater announce "Autopatch" and it will connect your call. Some repeaters may not announce "Autopatch."

8. If your call did not get connected, there could be several causes:

* Your signal is weak into the repeater so the repeater is unable to decode the DTMF tones.

* You did not announce your callsign followed by "Accessing autopatch" before attempting to dial.

* You are trying to make a call outside of the call area allowed.

9. When your call is complete, key up, announce your call followed by "Bringing down the autopatch" and press # for 1 second and release the key. You should hear the repeater say "Call complete." If not, try again.

10. Once the repeater has dropped the call, it never hurts to thank anyone that is listening for letting you use the autopatch. :) Close your traffic with your FCC callsign.

Lately, there have been quite a few questions from new hams about the repeater autopatch, as well as interference reports of improper usage. Phone patch, or autopatch, is where you can use your ham radio to connect to the public telephone network and make a phone call. With the explosion of cell phone usage over the last 20 years, many clubs have removed phone patch capabilities from their repeater sites. In Arizona, it's still easy to find many remote areas where your cell phone is useless, searching for a nonexistent signal. In those instances, most times you can still access a mountaintop repeater with autopatch.

Four of the ARA sites have a phone line and the ability to make autopatch calls. If the repeater or repeater system is connected on Shaw Butte, Chase Tower, BofA Mesa, or Mt. Elden, there's a good chance it has autopatch capabilities. Check the repeater listing PDF on our web site - <http://w7ara.org/pdf/ARA-Repeater-Info.pdf> Autopatch is available on several standalone repeaters as well as the Metrolink system.

The quick guide to using autopatch is to key up, announce your call sign, without unkeying press the * key followed by the 3-digit area code and 7-digit number. Keep the radio keyed for about half a second after entering the last digit, then unkey. The repeater will announce "autopatch" and place the call. When finished, key up, announce your call sign, press the # key, and then unkey. The repeater will respond with "call complete" and the time. There is a 3 minute limit per call and 911 calls have a 15 minute timer.

Important points to remember are that the autopatch is half duplex. Unlike regular phone calls, both sides are not able to talk at the same time. It's helpful to notify the person ahead of time or tell them right away when the call is connected. Both parties need to wait until the other side has finished talking before responding. Stations with a marginal signal into the repeater are often not able to hold the repeater open while dialing. The repeater controller will miss some of the DTMF tones, leading to an incomplete call. You will need a decent signal into the repeater which helps with the DTMF tones and also makes it easier on the person you're calling to hear and understand you.

A more extensive guide has been written by our Membership Chair, Mike KF7MBK - <http://w7ara.org/newham> He has spent quite a bit of time this year assembling a New Ham Welcome Guide. Here's the excerpt from the autopatch section.

Autopatch Guide

If you find the need to make a call via the autopatch, follow these directions:

1. Tune into a repeater that has an autopatch. See the ARA Repeater Info Sheet at <http://w7ara.org/pdf/>

Continued Next Column

Autopatch Rules and Tips

When in an autopatch call, you will notice the repeater transmits the call's audio continuously, so don't expect the repeater to drop when the person on the call stops talking. In order for you to talk, you will need to key "over" the repeater. This can feel weird as normally you wouldn't deliberately key up when someone else is transmitting. Unlike a regular phone

Continued on Page 12

call where both parties can hear each other at the same time, when you are transmitting, you can't hear what the caller is saying (since your radio's receive audio is muted) which can be confusing to them. It is helpful to let them know they are on the autopatch and must wait a second or two after you finish speaking before they can start speaking or you won't hear them. If you know you might be using the autopatch, it is best to notify the person in advance as to reduce the possibility of confusion. As a courtesy to other hams, keep your autopatch calls as brief as possible. Calls are limited to 3 minutes before the repeater will release the call automatically. The repeater will give you a 30-second warning. The repeater is configured so you can only dial calls local to the location of the repeater that handles the autopatch. For instance, the Metrolink autopatch is limited to dialing 602, 623, and 480 phone numbers. The Mt. Elden autopatch allows 928 numbers.

Calling 911

You can use the autopatch to call 911. The time limit for 911 calls is increased to 15 minutes. Unlike calling 911 from a land line, or cell phone, it is very important to know that the 911 operator will NOT have your location automatically when using the autopatch. If you need to call 911, immediately give the operator your exact location as best as possible. Food for thought: If you have an emergency, keep in mind, depending on the situation, it might be better to NOT make the call over the autopatch, but have another ham call for you. You may not have a choice to have someone call for you if you are unable to bring up the patch due to a weak signal. If you want to get another station to make the call, just make an announcement asking if there is a station available to relay a 911 call. This works best on Metrolink or Rimlink due to the larger possible audience. When a station answers, inform them of the situation in a concise manner, including your location, as well as exactly what assistance you need from 911. Stand by the radio in case they need additional information once the call is in progress.

For more information

If you are interested in reading more about this topic, check out the New Ham Welcome Guide on the ARA web site - <http://w7ara.org/newham> The PDF on that page goes into much detail about autopatch usage and many other aspects of ARA repeaters and how they function. The ARRL also has a page with quite a bit of information on autopatch usage and guidelines - <http://www.arrl.org/phone-patch-guidelines>

Virgil, K7VZ
ARA President

Written with material from Mike KF7MBK.



Did you participate in the Arizona QSO Party? I hope you did, and made lots of contacts. Maybe you were one of the intrepid TBARC members who went up north to take advantage of the altitude, food and fun. Thanks to Walt NJ8G, our past president, for arranging the outing, and thanks to Jack KD7RCJ, another past president, for hosting. At press time it's too early to know the scores, but I do know that everyone was using the same ionosphere. Jack's antenna systems helped us overcome the solar weather. Amateur radio is for when all else fails - as long as the bands are good!

Call for Presentations

In our effort to make the Thunderbird Hamfest an even better event, in 2016 we are introducing a program of presentations. So, we are looking for presenters to give a presentation on a topic related to Ham Radio. If you have a presentation you'd like to share with the ham radio community, please contact the Presentations Coordinator, Rick Tejera K7TEJ at: k7tej@omiss.net

One of the benefits of TBARC membership is access to the special "Members Only" sections on the website. If you're a member and haven't signed up on the website, you're missing out. The most popular members-only download is the club roster (a.k.a. members list). Find out how to get in touch with fellow club members by phone or email - and check to see that we have your preferred contact info in there as well. If you haven't seen emails from the election committee that could be why!

Speaking of the election committee: TBARC elections are in full swing. Nominations closed at the October meeting, followed by the electronic voting period. Last year, most members liked having the electronic voting option. Electronic voting closes November 18. If you have a candidate you want to write in or if you just prefer a paper ballot, make sure you're at the November meeting on the 19th to make your voice heard.

Have you been to a TBARC meeting? Why not join us? By now, it's cool enough that you could almost convince yourself you're in Flagstaff, but without the drive. Our meetings are held on the third Thursday of the month at the North Phoenix Campus of Northern Arizona University. It's near Greenway and I-17, starting at around 7:00 p.m.. See the club website at w7tbc.org for directions.

For November, our current president Gary WK7B will present "The TBARC Repeater Network." I've been informed by a reliable source that we're in for an evening filled with humor. Ham radio jokes? Find out more at the meeting!

Andrew Cornwall, KF7CCC
kf7ccc@arrl.net



ADAW



ADAW

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.

November Test Sessions

Nov 2nd - AARC & WVARC -- 8:00 PM

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

Nov 5th - CARBA -- 7:00 PM

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

Nov 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

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

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

Nov 7th - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690
Pre-Reg on-line: www.w7yc.org

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

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

Nov 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.

Nov 14th - Yuma ARC -- 9:00 AM

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

Test Sessions Continued from Previous Column

Nov 15th - Eagle ARC -- 10:00 AM

Embry-Riddle Aeronautical Univ, 3700 Willow Creek Rd,
King Eng Bldg Rm 126, Prescott
Contact - Clayton Gregory. Jacobs 661.492.4814

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

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

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

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

Oct 17th - Coconino ARC -- 9:00 AM

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

Nov 28th - Central Phoenix VE Team -- 9:00 AM

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

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

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

ADAW



For Sale

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

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

Continued Next Column



Happy Thanksgiving!

East Valley Swap Net Thursdays 7:30 P.M. on 147.120

This net covers the Metro Phoenix area and many parts of the west side, as well as Apache Junction and Gold Canyon to the east from the Usery Pass 147.120 MHz repeater.

Please join us on Thursday evenings to list for sale, trade, or want: amateur radio equipment, accessories, parts, antennas, towers, and related computer hardware, software and accessories. If it relates to amateur radio or can be converted for use in amateur radio, bring it on!

Everyone receiving this ADAW is invited! We use the standard 162.2 Hz access tone and Minus offset.

147.120 And 449.600 Link Project

It was supposed to happen in early-to-mid September, but Mother Nature had other ideas. What a month - hot, humid, driving rain, lightning - we had it all.

Early October offered up some more Rain and a flash of Heat.

The 449.600, PL 100, Minus offset, will add coverage between Usery and points south into Queen Creek to our fantastic range to the southwest and northwest valley. There will be a cool, dry day and a free moment in our tower climbers' lives to put this thing finally together!

Stay tuned.

Junque Auction Tuesday, November 17 Club Meeting

The 2015 Annual Junque Auction and Superstition Amateur Radio Club Elections all take place in the last regular club meeting of the year.

If you have stuff you want to bring in, please bring it in sometime before 6:30 P.M. so we can get it catalogued and tagged, and learn your wishes, be they Consignment with 10 percent to the club, Consignment with a greater share to the club if you so desire, or outright donation. You may set a reserve, and if the bidding fails to meet that price, there is no sale.

Superstition ARC Events Calendar

Web Link: http://superstitionarc.org/super_events.shtml

SOTA (Summits on The Air): You are all invited to come

SPSARC Continued from Previous Column

out one Saturday each month with Brian W7JET and other club members as they head out on a fun filled day hike to a mountaintop somewhere in Arizona. Check out our events calendar for the date and time.

A **Star Party** is being planned in November, and that can also be found on the Calendar when it is scheduled and finalized.

Look for the annual **Christmas Party** (perhaps Tuesday, December 8 at 6:00 P.M., Golden Corral just south of E McKellips on N. Power Rd. in Mesa, if we follow past years' plans). The Calendar will be updated as soon as we firm up our plans.

By Larry Kuck WB7C, Secretary



Superstition ARC Repeaters

47.120 MHz (+) (162.2 Hz) ~Linked~Usery Pass (NE Mesa)

448.275 MHz (-) (100.0 Hz) ~Linked~Usery Pass (NE Mesa)

449.600 MHz (-) (100.0 Hz) - Local (NE Mesa)

KB7KWK-L node#538499 ~Linked~Full Time Via EchoLink
Linked Systems: 147.120 & 449.600 & KB7KWK-L

Club Nets

The 147.120 and EchoLink carry all nets.

449.600 will add coverage to Queen Creek.

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

Club Net: Wednesdays, 8:00 PM (Featuring Club News, Tech Assistance Q&A, and AR Newline)

East Valley Swap Net: Thursdays, 7:30 PM

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

Independence Day Net: Every July 4, Noon (Reading the Declaration of Independence)

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

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

Hamfest

The club Hamfest is the first Saturday every December. See SuperstitionSuperFest.org for the latest updates.

Continued Next Column



Old Pueblo Radio Club INTERMOD

President's Column

As I've often told you, the MMRG does not have regularly scheduled meetings. The occasional get-togethers, however, are usually special occasions that we greatly anticipate.

Such an event occurred on September 19 hosted by Bob and Linda Sitterley, K7POF and W7POF. No business meeting. Just a typical Caliche Capers gathering of some 100+ friendly MMRG members and their friends. Most brought potluck dishes, the best you can imagine. The talents of this group are culinary as well as electronic.

Two friends of ours, Reinhard and Ingrid Geissler, DL1UF and W7ISG, came along as our guests and enjoyed the day so much that they decided to become the two newest members of the Mingus Mountain Repeater Group. Welcome aboard!!

Thanks to Bob and Linda for their hospitality, and thanks to Bob's daughter and son-in-law who were the standby kitchen crew and saved Bob and Linda from doing most of the set-up and clean up work.

The Old Pueblo Radio Club has not held its October meeting yet, so there is not much new to report.

Remember, our usual parking lot is closed for construction, but parking is available further to the South, in the "Obstetrix" parking area.

A number of events are coming up which utilize amateur radio operators, the largest of which is El Tour de Tucson, the Saturday prior to Thanksgiving. Let me know at the meeting if you can assist.

73 de Ron Kalish, N7SPW
President, OPRC

ADAW

OPRC Repeaters

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

RACES Repeaters

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



Verdemae Cutitta, KF7UJB & Lori Cripps, WA7EDI

ADAW



Bob Sitterley, K7POF, Reinhard Geissler, DL1UF,
& Gary Hamman, K7GH



Call Sign Plates at the POF Shack.
Two Hams definitely live here5

Hamfest Calendar

7 November 2015 - **Cochise Fall Swapmeet & Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the Green Acres club facility located at 2756 S Moson Rd in Sierra Vista.

7 November 2015 - **Oro Valley ARC Hamfest** - Hosted by the Oro Valley Amateur Radio Club will be held at the Marana Middle School located at 11285 W Grier Rd in Marana. Talk-In: 146.620-, 444.100+, 147.32+ & 440.400+ (all Pl 156.7). Contact Steve Wood, W1SR at 520.906.1204 or email to nauset222@yahoo.com for more information. Visit the web site at www.tucsonhamradio.com/hamfest for more details.

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.

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

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

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

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

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

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

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

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

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

12 November 2016 - **Oro Valley ARC Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11279 W Grier Road in Marana. Talk-In: 146.620(-), 444.100(+), and 147.32(+)- all Pl 156.7. Contact Steve Wood, W1SR at 520.906.1204 or email to nauset222@yahoo.com for more information.



SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

Well, the monsoon is finally over and now we can get ready for the wet Fall and Winter the weather guys are forecasting. I, for one, hope they are correct in their predictions. Although, when have these guys ever been right? At least we can use the rain, but please no more violent storms that destroy my home. The last storms took out some of our trees and stuff, but I thought my tower was undamaged. Wrong. It seems the violent wind disconnected and damaged both my tri band HF antenna and the dual band VHF and UHF antenna. The only radio working around here is the two-meter in my truck.

One of our club members has been hard at work in August on a DX contest and he just found out he is the World Winner of the Special Activity – Chilean Mining Month long event. James Wasson, N7ELL, is of course our very own club President and a ham radio operator of exceptional skill. He modestly said he knew he was making a lot of contacts, but did not expect to win the contest. Here is the web page for the Chilean DX group - www.cedxg.cl.

The annual Christmas Banquet is coming up on December 2nd and it is going to be held at the Scottsdale Community College Culinary Arts Desert Oasis dining facilities at 9000 E Chaparral Rd., Scottsdale, AZ 85256. The dining room will open at 5:30 P.M., and the meal time is scheduled for 6:30 P.M. This is a correction to my column last month where I said the meal time is 6:00 P.M. That was wrong. It is 6:30 P.M. We have a great speaker for the event and door prizes, and last year's ham of the year will introduce this year's Ham of the Year. It is one of the club's best social events for the year. So, be sure to mark this on your schedule for December. There will be reservations available at the November club meeting. If anyone is not sure where the facility is located, we will have a map of the campus.

You know we are all getting OLDER and some of us are in denial, but the clock is still clicking. I do not hear from a lot of you guys out there from club meeting to club meeting. Now, if you could only check into the Tuesday night club net on 147.18 tone 162.2 or the 440.00 tone 100, we would all know you are alive and well. We have several guys that just check in and out and that's all there is to it. This net is fun to participate in. A lot of you check-ins have very interesting stories to tell. We all love it. If you need help with just about anything, I will bet we can help. I look forward to hearing you on the NET.

I want to thank Kelly Law, KF7ZVL, for taking care of refreshment at the last two club meetings. I have been battling one thing after another and the help is sure appreciated. Some of you guys said he is doing a better job of it than I did. That does not bother me at all as long as you guys are getting the best

Continued Next Column



Amateur Radio Development Group

No news this month.

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



SARC Continued from Previous Column


service. Keep up the great job Kelly!

I have been in Payson lately and the sky at night is really dark. On a clear night you can see a lot of stars for sure. In an old computer up there, I have a star chart program and it is synchronized to the clock so it is showing the sky at that moment. I go outside and gaze at the sky. I see a triangle made up of three bright stars. I check the star chart and there it is. I know some club members that are really into astronomy and it would be fun to have a club program featuring astronomy.

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

73 Ed Nickerson WU7S Secretary

SARC CONSTANTS:
SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Jorgenson, KE7HR at 602.992.8043 for information on estate donations and equipment pick-up.
For membership information, call Gerald Jacques, W7EMU at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.



Public Service Calendar

EVENT	LOCATION	DATE
Javalina Jundred	McDowel Mountain Park	10/31-11/1/15
JROTC Lake Pleasant	West of Lake Pleasant	10/31/15
Hamex	Valleywide	11/04/15
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
Cave Creek Classic	Cave Creek	11/14/15
JROTC First Water	N of Apache Junction	12/05/15
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/13/15
XTERRA - White Tanks	Waddell	01/10/16
JROTC Lake Pleasant	W of Lake Pleasant	01/30/16
Runner's Den Pancake Run		02/07/16
	E Phoenix, Paradise Valley Mall	
XTERRA - McDowell Mountain		02/07/16
	Fort McDowell Regional Park (Fountain Hills)	
Black Canyon 100K	Dewey to New River	02/13/16
Lost Dutchman Marathon	Apache Junction	02/14/16
JROTC First Water	N of Apache Junction	02/27/16
Exterra Black Canyon City	Black Canyon City	03/06/16
Mesquite Canyon Trail Run		03/12/16
	White Tanks Regional Park (Waddell)	
ADA Tour de Cure	Reach 11 Sports Complex	03/19/16
Cave Creek Trail Run	Cave Creek	03/26/16
Crown King Scramble	Bradshaw Mountains	04/02/16
El Tour de Mesa	Mesa/Scottsdale	04/02/16

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

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



Want Ads

Wanted - Rohn 25/45 gin pole.

Contact Ray, W7GNE - Home: 480.998.1893



4x4 HAM Update

Greetings to all! Fall is underway and cooler temperatures are definitely most welcome here at 4x4 Ham. If you have been looking for our Wednesday evening radio net on ARA's Metrolink system, we've moved! The net formerly held on Metrolink at 8:15 p.m. MST each Wednesday has moved to the Chase Tower 444.300MHz machine to facilitate participation by our broader membership outside the Arizona local area via Echolink and IRLP. If you can't make it into the Chase Tower machine, connect to IRLP node 9251 or to the Echolink **WORLD** conference server (Echolink node 479886). The net is still held each Wednesday at 8:15 p.m. MST.

The club is still planning our annual trip to the Titan Missile Museum on Saturday, November 14th, 2015. If you've never visited the museum, this will be a great weekend to come out, work HF on the 80-foot tall discone antenna near the museum parking lot, and take a guided tour of an actual Cold War Titan missile complex. We have a special opportunity in store for those taking the tour on the 14th as the "Top to Bottom" tour of the complex will allow folks to see some of the communications gear in the complex which is not featured during the normal silo tour. You won't want to miss this year. For those planning to attend, we'll meet in the parking lot of the Titan Missile Museum (1580 W Duval Mine Rd., Sahuarita, AZ) around 9:00 a.m. on the 14th and the radio will be active until around 4:00 p.m. We will have a table, HF radio, and an awning on site, but all are welcome to bring other radios they may want to try out using the discone antenna. We'll have plenty of chances to switch out during the day. The event will operate under callsign W7AZO, the 4x4 Ham club call, and we'll have an Extra class control operator present so those who desire can flex "max privileges" on HF while participating in the event. For more information on the activation, check out our website:

<http://www.4x4ham.com/showthread.php?5476-2015-Titan-Missile-Museum-Trip>

We hope to see many visitors there; however, if you can't make it in person, look for us on the HF bands, particularly 20m and 40m.

That's it for this month. 73 to all until next time.

Kurt
KE7KUS

ADAW



Emergency Communications Since 1961

SHORT SKIP

2015 National Preparedness Month at Surprise Lake

September was National Preparedness Month and Saturday the 26 was for power outage, West Valley ARC was there at Surprise Lake, AZ. We were about 90% on battery power and we had solar power but was not needed for the seven hours we were there.

John N9NA used his portable 30-foot-high vertical antenna, and John of course started on CW and made quite a few contacts. Mike K7MJC and Ray W0IVB set up an inverted V antenna and made some HF contacts, Bob KG7FIL had his 2 meter 70 centimeter go kit and also Bob had his Icom 746 rig, Rich W7MDQ, John N9NA, Tom KG7FXT tried out the setup and made contacts from Texas to the east coast, the antenna Bob KG7FIL used was an EZ Military 6-80 Meter quick deployment system of 15 inch sections that make 13 feet plus 6-foot tripod.

Over on the other side of the Ramada Dave WA0ZVM was making pancake's and ham and some with an egg on top, and as the aromas came over to us we had to take a break and enjoy Dave's hard work. As we and talked and ate we learned what each other was doing and picked up some good to try next time and also good information.



Mike K7MJC Tripod mast with 2-meter antenna and in the red circle Dave WA6ZVM US Senate Bean Soup so good. [it was plugged in to the grid].



Our Chef Dave WA0ZVM making pancakes.
Loren W7LVP sure looks hungry.



Left to Right – Linda, Charon, Gordon K7GSW, Dan K2LH, Verdame KF7UJB, Rich W7MDQ, John N9NA, Patrick W6SPS, & out back Mike KG1MDM, Alex KG7WBE, Bob KG7FIL, Joe W0SLL, Bob WA6MIO.



Photos by Dominique WD7DX

Test Sessions Report

West Valley ARC License Exams

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

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

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

Five candidates were examined at the October 5th session with one Technician Class, three General Class, and one Extra Class licenses being earned.

DeVry University Test Sessions

The next exam session is Saturday, November 7, 2015. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM. Check in at the library, second floor, southeast corner. Bring photo ID, original and photocopy of you Amateur License (if you have one) and any CSCEs, a pen and a pencil. Exam fee is \$15 - exact fee, examiners cannot make change.

Nineteen candidates were examined at the October 3rd session at DeVry with nine Technician Class, six General Class, and four Extra Class licenses being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Bill Martin AI0D, Daniel Ford K2LH, Robert Miner KA7NPQ, Robert Fike W7AIE, Michael Miner KA7RGW, Josh Montana WX7JM, Michael Corder K7MJC, and Joe W0SLI and Verdamae KF7UJB Cutitta.

New Members

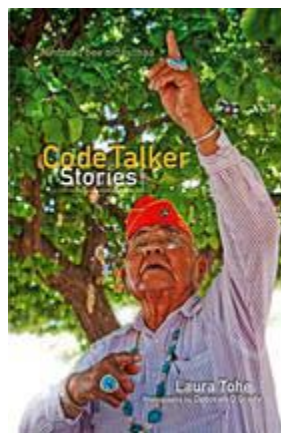
JERRY BOYD
RYAN CARNEY
CHUCK EMERY
JASON FIELDS
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WVARC Upcoming Club Program



Coming in November – Code Talkers

We are scheduling a special guest speaker, Laura Tohe, daughter of Code Talker Benson Tohe, has compiled an insightful oral history with many stories never previously told.

Laura Tohe is Diné (Navajo). She was born in Fort Defiance, AZ, is Tsenabahi nii (Sleepy Water People clan) and born for the Tóódich'íinii (Bitter Water clan). She grew up near the Chuska Mountains on the eastern border of the Navajo Reservation and attended both boarding schools and public schools in Albuquerque.

You can read more at:

<http://indiancountrytodaymedianetwork.com/2014/07/04/code-talker-stories-penned-daughter-love-155311>

Emergency Communications Class

We were surprised by Dennis Speidel KG7FAL who showed up and watched our class presentation on emergency communications by Mike K7MJC and a talk about the preparedness event coming November 4th by Bob KG7FIL (which now has been cancelled by parts of Maricopa County and in the Banner health system).

After the presentation Dennis Spidell came up and critiqued our presentation which was appreciated and gave pointers on how he can help us out, and the Introduction to the Incident Command System ICS100b, ICS200b, ICS700a, now we can make some adjustments and refine our topics.

ADAW

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

Contest Corner

MARS/Vietnam Presentation

by Thomas Boza, NE7X

Big contests the next two/three months. October 10 and 11 is the Arizona QSO party – we should all get on to represent our great state. Then we have the huge CQ World Wide contests on ssb and cw as well as the big favorite ARRL ssb and cw Sweepstakes contests on November 7th and 21st. All four of these contests are big events with lots of activity. December is pretty quiet with only three recommended contests for your consideration: the ARRL 10-meter test, Canadian RAC Winter test and the ARRL Rookie cw Roundup. The latter is a good chance to polish up your brass pounder. Call if you have any questions or need information.

Anyone having challenges getting on HF equipment, antennas, etc. give me a call and I'll round up a posse. Give me a call: 630-209-4116 or email: N9NA@ARRL.net.

(all times and dates are stated in Arizona time and date)

Oct. 10 Sat. 9:00 AM – Oct. 10 Sat. 11:00 PM – Arizona QSO Party, ssb & cw

Oct. 11 Sun. 7:00 AM – Oct. 11 Sun. 5:00 PM – Arizona QSO Party, ssb & cw

Oct. 23 Fri. 5:00 PM – Oct. 25 Sun. 5:00 PM – CQ Worldwide DX, ssb

Nov. 7 Sat. 2:00 PM – Nov. 8 Sun. 8:00 PM – ARRL Sweepstakes, cw

Nov. 21 Sat. 2:00 PM – Nov. 22 Sun. 8:00 PM – ARRL Sweepstakes, ssb

Nov. 27 Fri. 5:00 PM – Nov. 29 Sun. 5:00 PM – CQ Worldwide DX, cw

Dec. 11 Fri. 5:00 PM – Dec. 13 Sun. 5:00 PM – ARRL 10 Meter Contest, ssb & cw

Dec. 18 Fri. 5:00 PM – Dec. 19 Sun. 5:00 PM – RAC (Canada) Winter Contest, ssb & cw

Dec. 20 Sat. 11:00 AM – Dec. 20 Sat. 5:00 PM – ARRL Rookie Roundup, cw

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.

Tom talked about his time in Vietnam setting up phone patches in Saipan. Tom started out working in a Quonset hut. Although it was hot and tropical, the guys would line up outside and wait for their five-minute call to be placed. After someone procured an air conditioner, Tom said "Wow, that's so cool."

Following is an excerpt from Tom's page:
http://marinecorpsmars.net/AUS_House/AB8AU/ab8au.htm

AB8AU - the 9th Signal Battalion of the 9th Infantry Division, sponsored and operated the station in first at Camp Bear Cat then in Dong Tam. The station at Dong Tam was located on the Navy side of the compound - the Navy had really great chow. Around midnight of March 26, 1969 after an earlier mortar attack, the base was rocked with a mighty explosion. Over 500 tons of small arms ammunition and ordinance detonated wreaking havoc on the compound, especially the Navy side which was just across the street from the ammunition bunkers. The Navy needed their space back so the station moved.

The station was relocated to the other (Army) side of the base and chow for the station was supplied by the Army mess - not as good according to the MARS men.

When I arrived in Vietnam I was first assigned to an infantry platoon under the 9th Infantry Division located at Bearcat. I went out on about five patrols seeing some light combat, mostly sniper and booby-traps. Then after about 2 weeks of being in country I came across a MARS station on my way to the PX. I decided to stop in and send my folks a MARS gram (radio telegram) informing them that I have arrived and all was well. I filled out the MARS gram addressing it to my father, which I included his amateur radio call sign WA8PYN, and then I signed the message "Your son Tom, WA8NSH". I handed the message to the sergeant behind the desk and he began to proof read it. He said to me, "O, I see you're an amateur radio operator" and I replied "Yes." I told the sergeant that I was a General class amateur radio operator and my MOS was 03C40 (Private First Class Radio Teletype Operator). He said the MARS station was one radio operator short and wanted to know if I would like to be! assigned to the MARS station running radio phone calls state-side for the troops. I said "yes" and two days later I was transferred full time to the 9th Signal Battalion MARS station at Bearcat. After spending two months at AB8AU Bearcat, I was transfer to AB8AZ Dong Tam where my real Vietnam adventure began.

To this day I personally believe this chain of events saved my life. If it wasn't for me being an amateur radio operator, and if I wouldn't have stopped into the MARS station that day to send a MARS gram to my parents, I may have never made it out of Vietnam alive.

Tom Boza PFC 10/67-11/68



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atlanta@hamradio.com

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22191
(703) 643-1063
(800) 444-4799
Steve, W4SHG, Mgr.
Exit 161, I-95, So. to US 1
virginia@hamradio.com

SALEM, NH
(Near Boston)
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