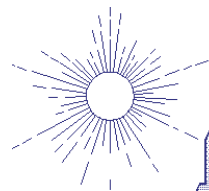


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



AUGUST IN PHOENIX!



ADAW

Arizona Desert Aire Waves

Vol 41, No 8

August 2016

CLUB MEETINGS SCHEDULE

QCWA
August
TBD
TBD
11:00 AM

WVARC
Aug 1st
St Clement Catholic Church
Social Hall
7:00 PM

SuperstitionARC
Aug 16th
Charles K Luster Bldg
7:00 PM

ARA
Aug 26th
Denny's Restaurant - Tempe
7:30 PM

MARCA
Aug 16th
Denny's Restaurant - Tempe
6:30 PM

MARA
Aug 27th
Barrow's Pizza - Maricopa
9:00 AM

ANSR
Aug 15th
via Skype
7:30 PM

YARC
Aug 6th
Mile High Middle School
7:00 PM

OVARC
Aug 19th
Ascension Lutheran Church
7:00 PM

CADXA
Aug 4th
PERA Club
7:00 PM

CLUB MEETINGS SCHEDULE

SARC
Aug 3rd
Scottsdale Senior Center
7:00 PM

AARC
Aug 11th
Red Cross Bldg. - Phx
7:30 PM

OPRC
Sep 14th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC
Aug 18th
North Phoenix Campus
Northern Arizona University
7:00 PM

CARL
TBA
AZ Science Center
TBA

ARDG
Every Wednesday
Phoenix Country Day School
11:10 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	Mike Zachary	KG7OSR	
Treasurer	Bob Hodges	K7JIT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	
Membership	Bob Hodges	K7JIT	602.375.9982

AARC c/o Bob Hodges, K7JIT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

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	Kelley Law	KF7ZVL	
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	
	Ed Nickerson	WU7S	480.949.5162
	Charlie Brown	NJ7U	

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

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.



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	Gary Cline	AF7BJ	
Treasurer	Darren Johnson	AF7CO	
Board Members	Jim Moore	WB7ENX	
	Rick Tejera	K7TEJ	
	Joe Arnold	AD0X	
	Andrew Cornwall	KF7CCC	
Past President	Walt Reinert	N7GDP	602.938.8219

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

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.

ARIZONA NEAR SPACE RESEARCH

The Arizona Near Space Research group meets the **THIRD MONDAY** of the month at 7:30 p.m. on Skype. Technical meetings are held the first Monday of the month at 7:30 p.m. on Skype. Please contact an officer about joining our meetings.

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Vince Jenkins	KC7IUI	vince.jenkins@meggitt.com
Secretary	Kim Jenkins		vince.jenkins@meggitt.com
Treasurer	Bill McLean	K7WWM	bmclean1@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: www.ansr.org

ADAW Member Clubs

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
Secretary	Clifford Hauser	KD6XH	520.235.7393
Treasurer	Dave Hanson	W7BJ	w7bj@outlook.com
Webmaster	John Marshall	WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: azqcwa@gmail.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.

MARICOPA AMATEUR RADIO ASSOCIATION

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

President	Ford Willman	N5FW	520.568.6357
Vice President	Joshua Babb	W3JB	801.358.1078
Secretary	Bob Beltz	KU4ZG	770.680.1204
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. Mailing address: P O Box 3025, Arizona City AZ 85123

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club is an Arizona 501(c)(3) non-profit corporation. Meetings are the **FIRST MONDAY** of each month at 7:00 PM in the St Clements Catholic Church Social Hall located at 15800 Del Webb Blvd., Sun City. The board meets the second Monday of the month at Boswell Medical Center, Ironwood Room 2, Sun City. The Emergency Preparedness Group meets the third Monday of the month at 7:00 PM at Boswell Hospital. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. The preparedness net is held the last Friday before the monthly Monday night meeting at 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	Mike Corder	K7MJC	602.439.1303
Vice President	Alex Munro	K7AEM	602.469.7234
Secretary	Sharon Blaylock	KI7DOK	623.584.6974
Treasurer	Jim Rogers	N7YTI	623.214.9219
Membership	Tom Connor	W7TLC	623.444.7956
Club Directors:	Bob Paul	KG7FIL	623.252.0149
	John Siepmann	N9NA	630.209.4116
	Roger Thacker	KD0MD	623.974.1516
	Tom Connor	W7TLC	623.444.7956

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>.

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 Charles K Luster Building, 640 N. Mesa Drive, Mesa (use the glass door on your left at the main entrance). Visitors are welcome. Board meetings are held at 6:30 p.m. on the second Tuesday of each month (except December) at Black Bear Diner, 1809 E. Baseline Road, Gilbert.

President	Steve Estes	KB7KWK
Vice President	Jeff Machesky	K7ZLX
Secretary	Jeff Harris	KD2DFE
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Brian Betz	W7JET
	Dale Schmidt	N7QJK
	Dan DeVliieger	KC7MSU
	J.D. Smaylis	KF7VOX
	Andy Keels	KD4ABB
	Charlie Brown	NJ7V
	Steve Gurley	KY7W

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.



ADAW Member Clubs

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.

ARIZONA REPEATER ASSOCIATION, INC

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

President	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Brian McCarthy, N7TUQ	n7tuq@w7ara.net
Treasurer	Erv Heimbuck, K0OTZ	k0otz@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net
Board Members:		
	Lance Halle, KW7LH	kw7lh@w7ara.net
	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
	Doug Pelley, WB7TUI	wb7tuj@w7ara.net
	Joe Godfrey, AE7JG	ae7jg@w7ara.net
	Dennis Campbell, AE7WU	ae7wu@w7ara.net
	Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
	Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
	James Wasson, N7ELL	n7ell@w7ara.net

For Membership Information, contact (Mike Montalvo, KF7MBK membership@w7ara.net) Arizona Repeater Association, Inc., P. O. Box 35758, Phoenix, Arizona 85069-5758. To join or renew, please visit <http://w7ara.org/mbr/Membership.aspx>. DUES: \$18.00/yr. (Jan. 1 through Dec. 31) with a one-time initiation fee of \$10.00. Life and family memberships are available.

YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at the Mile High Middle School located at the end of W Carleton Street west of Montezuma Street (visit web site at www.w7yrc.org for directions and map). YARC is an ARRL Special Service Club dedicated to public service and emergency preparedness. The club serves the quad cities area of Prescott, Prescott Valley, Chino Valley/Paulden, and Dewey/Humboldt.

President	Frank Bender, K8FB	president@w7yrc.org
Vice-President	John Stevens, N9JYO	vice_president@w7yrc.org
Secretary	Kathy Laing, KJ6KMK	secretary@w7yrc.org
Treasurer	David Hanson, W7BJ	treasurer@w7yrc.org
Past President	Don Bauer, WB7TPH	wb7tph@w7yrc.org
Board Members	Bill Noe, W7PVA	w7pva@w7yrc.org
	Chuck Zappala, KE7SA	ke7sa@w7yrc.org
	Randy Dashiell, W6TYV	w6tyv@w7yrc.org

Yavapai Amateur Radio Club, P O Box 11994, Prescott, AZ 86304-1994. DUES: \$20.00/yr. Visit the website at www.w7yrc.org

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (June is normally Field Day. December is annual Christmas Party and date and location varies.) Visitors are welcome. Board Meetings are held at 9:00 a.m. at the Oro Valley PD Substation EOC on Tangerine Rd (next to WalMart) in Tucson. Check the web site at www.tucsonhamradio.org for dates.

President	Steve Wood, W1SR	president@tucsonhamradio.org
Vice-President	Bob Molczan, KA7VPR	vicepresident@tucsonhamradio.org
Secretary	Carl Foster, KB7AZ	secretary@tucsonhamradio.org
Treasurer	Hanna Eckert, KG7TPD	treasurer@tucsonhamradio.org
Board Members	Scott Boone, K7ADX	
	Lanny Voight, KF7LV	
	Ross Eckert, K4WBR	
	Fred Bresani, W2HZ	
	Bob Stephens, AF9W	

DUES: \$25.00/year (Household members living at same address \$15.00 each additional). To join or for additional information, visit website at <http://www.tucsonhamradio.org/>.

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

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 ADAAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

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

President	Bob Burleson	KG7QJ	480.961.1109
Vice President	Jim Felkey	N7BBS	480.966.7084
Secretary	John O'Neal	K7IP	480.961.1109
Treasurer	Karen McConaghy	NO7D	602.799.7338

Board Members:

Jean W4CIH	ADAW, Publicity
Steve WB4ZSC	Tech/IT, CARL/ASC interface
Fred K9TOS	Logbook/QSLs
Mike KG7OSR	Scheduling/Membership

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>

CENTRAL ARIZONA DX ASSOCIATION

The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. (except for January Awards Banquet) at the PERA Club, located at 1 E Continental Drive in Tempe. Visitors always welcome. See www.cadxa.org/meetings.html for a map. The May meeting is an outdoor barbecue at 6:00 p.m. (reservations required).

President	Lee Finkel	KY7M	ars-ky7m@cox.net
Vice President	Rex Turvin	NR6M	turvin2009@yahoo.com
Secretary	Bill Poole	AA4Q	bill@poole.com
Treasurer	Alton Chaney	W7ACX	w7acx.480@gmail.com
Past President	Tom Kramer	NQ7R	tkramer@azci.net
Board Members	Larry Loen	WO7R	lwloen@gmail.com
At-Large	Mickey LeBoeuf	K5ML	k5ml@arrl.net

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: cadxa@cox.net. Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: www.cadxa.org.

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ADAW



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FROM THE EDITOR'S DESK

Editor Continued from Previous Column

Greetings everyone.

As I write this, the ARCA/Williams Hamfest is just one week away and we are scrambling to get everything completed and ready to transport to the site. It seems like we just did this. Time certainly flies.

If you haven't made your space reservation for the ARCA/Williams Hamfest yet - don't despair. There's plenty of space available and even more for the event to expand into. A full slate of meetings, seminars, talks and T-Hunt is scheduled with some very interesting topics and speakers. A hospitality suite will be held right there on the grounds on Friday night with plenty of drinks (of the soft variety), snacks, and conversation for you to enjoy. Saturday will feature the annual balloon launch along with a full slate of seminars, VE testing, T-Hunt and more. All this activity culminates with the annual ARCA Barbecue Dinner where awards will be presented for the 2016 ARCA Ham of the Year and Young Ham of the Year and the 2016 ARCA Scholarship will be presented.

If you hang around until Sunday, you can take part in the Ride to the Grand Canyon aboard the Grand Canyon Railway. As a special incentive, the Northern Arizona DX Association will be setting up a Special Event Station at the Canyon to "activate" the Grand Canyon National Park as part of the ARRL's National Parks On The Air. Get your call in the log!

So don't miss the fun July 22 through 24 in Williams! You'll enjoy it!

Did you catch the Show Low event in June? Or the Prescott Hamfest? Unfortunately, we missed the Show Low hamfest. However, we did make it to the Prescott event for a little while. We had a lot of fun visiting with all the people who attended. It was a very enjoyable event. The site was wonderful and offers plenty potential for growth. The Yavapai Amateur Radio Club and Embry-Riddle group plan to have another one next year. Watch for details and plan to attend.

After the ARCA/Williams Hamfest, swap meets in Arizona take a two-month siesta. There are no events scheduled for either August or September, so it's time to take a few breaths and rest up for the next round. And that round will start off with a bang!

There are three hamfests scheduled for October. The first is the West Valley Amateur Radio Club's first annual hamfest from 7:00 A.M. until Noon on October 8th. This half-day event will be held at the St Clement of Rome Catholic Church on Del Webb Boulevard in Sun City. Admission is free and tailgaters/vendors pay just \$10 for space. Check it out.

Next up is the 2016 Kingman Hamfest in Kingman on October 15. It's an outdoor swap meet which will be held from 7:00 A.M. until 3:00 P.M. in the parking lot of KRMC (Kingman Regional Medical Center) on Stockton Hill Road.

Food and Drinks will not be available, so you should bring your own.

Last, but definitely not least, is the 2016 ARRL Arizona State Convention/CopaFest 2016. This event is being held at the Ultra Star Center at Harrah's Ak-Chin Casino in Maricopa on October 21 & 22. This two-day event will have a lot to offer, from tailgaters to vendors to meetings and seminars, and even a casino. There's the casino hotel for a place to stay and lots of activities to occupy your time. So plan to schedule some time to come out to Maricopa and enjoy all this convention/hamfest has to offer.

Field Day was held on June 25 - 26 this year and all the clubs took part in the activities surrounding Field Day. There are several reports about the activities held by our ADAW clubs, and lots of great pictures were sent for this month's edition. Even your ADAW staff made a valiant attempt to take part and make a few contacts. The bands weren't very cooperative though and even in the "high country" the temperatures were a little brutal. Maybe Winter Field Day would be much better for us desert dwellers.

Hope to see many of you at Williams. Stay cool and have a great August! "See" you next month.

73,
Chris, N7PVL

ADAW

VE Test Sessions Reports

DeVry University Test Sessions

The next exam session is Saturday, August 6th, 2016. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM.

Six candidates were examined at the July 2nd session at DeVry with six Technincian Class licenses being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Bill Martin AI0D, Robert Miner KA7NPQ, Daniel Ford K2LH, Harry Scholz, AF7UT, Michael Miner KA7RGW, and Joe W0SLI and Verdamae KF7UJB Cutitta.

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.

Continued Next Column

License Testing Information

When you are ready to take an exam for an Amateur Radio license, there are Volunteer Examiners available to assist you. Each Applicant will need to bring a picture ID (some test sessions require two forms of identification). If you are upgrading your class of license, be sure to bring the original (and a copy) of your license and/or Certificate of Successful Completion of Examination (C.S.C.E.). There may be a fee required.

PLEASE NOTE: Dates, times, locations, fees may change. Arrive promptly at time listed. Fees may vary and exact change or check is required at most sessions. Call test session contact to confirm information. Walk-ins are permitted unless otherwise specified.

August Test Sessions

Aug 1st - AARC & WVARC -- 8:00 PM

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

Aug 4th - CARBA -- 7:00 PM

Lighthouse YMCA, 2900 N Columbus Blvd, Tucson
Contact - Matthew Grossman 520.750.7189
Pre-Reg by email preferred - veregistration@rstclub.org

Jun 4th - ORO Valley ARC -- 10:30 AM

Oro Valley Police Sub-Station, Walmart Shopping Ctr, Oro Valley
Contact - Lanny Voight kf7lv@comcast.net

Aug 6th - DeVry ARC & WVARC -- 9:00 AM

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

Aug 8th - Radio Society of Tucson -- 7:00 PM

Hardesty Mid-Town Police Bldg, 1100 S Alvernon, Tucson
Contact - Diane Zimmerman 520.664.5070

Aug 10th - 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.

Aug 13th - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, Training Rm 2, 141 S 3rd Ave, Yuma
Contact - Robert Spencer 928.941.7069
No Walk-Ins - Appointment Only

Aug 15th - East Valley VE Team -- 6:00 PM

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

Aug 17th - Thunderbird ARC -- 6:00 PM

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix
Contact - James Skinnell 602.826.1949
No Walk-Ins

Continued Next Column

Old Pueblo Radio Club INTERMOD

President's Column

On summer break. No news this month. See you in September.

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

ADAW

Test Sessions Continued from Previous Column

Aug 20th - W7GAA -- 10:00 AM

Suddenlink Community Ctr, 2380 3rd St, Bullhead City
Contact - Keith Bruecker 928.719.8433

Aug 20th - Unsponsored -- 10:00 AM

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

Aug 23rd - PvHam Study Group -- 6:30 PM

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

Aug 27th - Arizona ARC -- 7:00 PM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148



The Maricopa Amateur Radio Association held two Field Day events this year, one at Christopher Creek and the other was locally in Maricopa. Both were great events with a lot of fun had and a lot of lessons learned.

The City of Maricopa's Mayor issued an official proclamation declaring Field Day Weekend in Maricopa, which was announced at a City Council meeting the week of Field Day. The in-town meeting was held at the Maricopa Veterans Center and ran for most of Saturday. There was a lot of community interest in the event. We used WY7H for our in-town call sign.

At the high country Field Day, we ran all day Saturday and most of the night until Sunday. We were 2A with two 100-watt HF stations running. Antennas were a tri-band trap vertical, a 40-meter rotatable dipole, and a tri band antenna. Some of us camped out while others roughed it in a rented cabin. Our high country call sign was K7MAZ.

For those of us in Arizona, the heat is always a challenge because Field Day is always the last weekend in June. It can be escaped to some degree by going up north, but then you have to deal with camping and fire restrictions. One possible alternative that we're looking at is setting up for Winter Field Day, which next year will be January 30-31, 2017.



Steve Miller

visit my web site and blog at w6sdm.net

follow me on Twitter <https://twitter.com/stevedmiller>



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RAYMOND J. CARLI, P.E.
ELECTRICAL ENGINEER
W7GNE

(480) 941-8610 (OFF.)
(480) 945-7020 (FAX)

If anyone is considering a major radio shack, workshop, addition or going into business for yourself, I am offering professional Electrical, Mechanical and Plumbing Engineering services to radio club members at a 20% discount for residential property, and 10% discount for commercial property. Talking is always free.

I hope you were one of the many who came up to Flagstaff for our Field Day. If not, take a look at these excellent pictures, courtesy of Alana Laird, KG7NGF. This year, our special presenter was Steve Hicks, N5AC - he's the Vice President of Engineering at FlexRadio Systems. He gave us a presentation on software defined radio. He also brought a secret weapon: his daughter Katie, who was racking up the QSOs on Saturday.

We switched over to N1MM software this year - it took a little adjusting to, but I think things went more smoothly with it than without it. Bands were quieter this year than last, and we had a little QRM to deal with as well. In the true spirit of field day, we went foxhunting - to identify the source of QRM, which turned out to be an appliance that needed attention. We also had a visit from Mayor Jerry Nabours, who stopped by again this year to say hi. A number of folks from the Northern Arizona DX Association joined us as well.

All of the Field Day activity was hosted by Jack Lunsford, KD7RCJ, a former TBARC president who very generously made his Flagstaff cabin available to TBARC members and friends. Next time you see them, say thanks to the TBARC organizers who put the whole thing together - raising antennas, setting up radios, getting some really delicious food - and let them know what a great time you had!

I'm pretty sure this will go out before July 27 - that's the date of our Digital Modes class. There may still be time to join! It will happen on Wednesday, July 27, starting at 6pm in Honor Health Deer Valley MOB room 406. Check with Israel AD7ND to see if there will be space in the room.

Have you been to a TBARC meeting yet? Why not stop by? We'd love to have you join us, and guests are welcome. 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. In August, Darren Johnson, AF7CO is scheduled to talk about test equipment, and I heard a rumor that there will be other presenters there as well - sounds like an interesting evening. See you there!

Andrew Cornwall
KF7CCC
kf7ccc@arrl.net

Continued on Page 9



**Thunderbird ARC
Field Day 2016**





John Adams K6JWA and Verdamae Cutitta KF7UJB model their fashionable Field Day shirts

Field Day 2016

The Arizona Amateur Radio Club held its annual Field Day at the American Red Cross Building at 4747 N 22nd St., Phoenix, AZ 85016. Unfortunately band conditions were not very good. We made contacts on 75 meters, but none above 20 meters. We ran two stations and our total was 302 contacts. Station one made 136 phone contacts and 91 CW contacts totaling 227. Station two made 27 phone contacts and 48 CW contacts totaling 75. Field Day participants with the AARC included K7GH, W7WSV, WA7EDI, WØSLL, KF7UJB, K6JWA, K7RGG, W7ISG, KB7ZAB, AC7FC, KG7OSR, W7USA, KØ0BQQ, and AE7UH. W7ISG videotaped much of the Field Day activity, including a two-hour visit from Sheriff Joe Arpaio. Sheriff Joe was able to see the facilities at the American Red Cross Building and was also able to make a radio contact. The 2016 Field Day was an enjoyable experience for all the AARC participants.



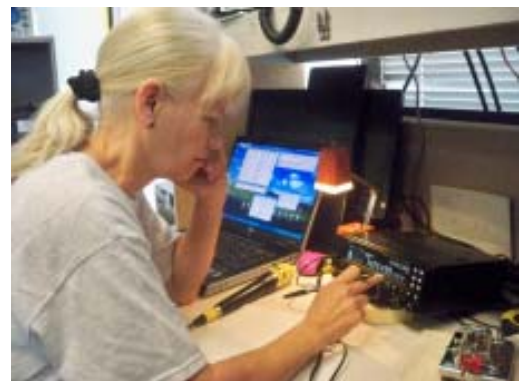
John Adams K6JWA greets visitor Sheriff Joe Arpaio



John Adams K6JWA, Steve Tolmai W7WSV, and Gary Hamman K7GH operate during the 2016 Field Day



AARC members listen as Sheriff Joe discusses the importance of amateur radio



Ingrid Geissler W7ISG - one of the top FD operators and FD videographer





REMINDER: The ARA does not hold a General Meeting in the month of July.

Instead, the ARA will have a table at the ARCA Williams Hamfest on July 22-23. Stop by and say "hello." Lance KW7LH will be doing a similar presentation on Station Monitors as his presentation at our May General Meeting. If you missed it in May, be sure to catch it at the hamfest in July.

Repeater problems and interference are inevitable whether it's on a single repeater or the larger linked systems. It's half way through the year and our repeaters have had their share of problems. Please help us when you hear anything abnormal or malfunctioning on one of the ARA systems. Please take the time to read the "Dealing with Interference" page on our web site. <http://w7ara.org/z/Interference.aspx> Then, when you hear problems, please take the time to submit an interference report.

ARA Interference Report Form: <http://w7ara.org/public/InterferForm.aspx>

Virgil K7VZ
ARA President



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. \$485.00 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: Ken Jenkins, WB6MMV at kjenkins5623@gmail.com or Bob Kettler WA6MIO at rdkettler@msn.com.



Amateur Radio Development
No news this month.



Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Barnburner Mtn Bike Race	Kendrick Peak	09/10/16
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/11/16
Prickly Pedal	White Tanks - Lake Pleasant - Spur Cross TBD	01/21-22/17
Runner's Den Pancake Run	EPhoenix Paradise Valley Mall	02/05/17

To sign up for an MCECG 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.

Yavapai Amateur Radio Club Events

EVENT	LOCATION	DATE
March of Dimes March for Babies	Prescott	09/10/16
Skull Valley Loop Challenge	Downtown Prescott	09/18/16
Groom Creek Classic - Half Marathon, 10K, 5K & 2 mile Run	Starts at Groom Creek Fire Station	09/24/16
Bradshaw Grinder	Mayer	09/24/16
Prescott Road Rally	Prescott	09/30-10/01/16
Man to Horse Race	Prescott	10/01/16
Diabetes Walk	Prescott	10/15/16
	Doug Freeman, KV8TD coordinating John Broughton, WB9VGJ coordinating	

Unless otherwise stated contact Patti, KD7VBG at kd7vbg@k7yca.org to sign up.



Continued from Previous Column

We have more people coming on board and we have more services being made available without need for Internet access.

Come see us at the meeting on the Third Tuesday (August 16) at 7:00 P.M.

Membership Spurt and New Logo

On the Wednesday net, Steve, KB7KWK announced another 16 folks have entered our membership ranks within the last one or two months. The club continues to grow. And with that growth, we now have a new logo that has popped up on the top of the website and the Communicator. And now on top of this column and on future banners.

73 – Larry – WB7C

2016 ARRL Field Day

We had an excellent Field Day site 48 miles north of Payson, up Highway 87, just past the Lake Mary turnoff. Charlie Brown, NJ7V had connections to sixty acres of private land and a cabin, in which we met to eat dinner Saturday and breakfast Sunday.

Weather was great, with just some thunder and a few sprinkles. When the sun was out, it was intense. Night sky was black until the moon was out, and stars are lighting up the sky as never can be seen in the city.

Altogether there were about 36 participants, many of whom may have been there for just a few hours to a day, but there were several who were there overnight as well. This is probably one of our biggest events yet, orchestrated by Jeff Harris, K2DFE. Jeff did get some pictures into the Superstition ARC Communicator, and they are also on the club website. Jeff plans to get them into the August issue.

I will have some in the September ADAW.



June Summits On The Air

From the Field Day site, Charlie, NJ7V and Brian Betz, W7JET visited the Apache Maid Fire Tower, elevation 7,301 feet, atop Apache Maid Mountain, south of Stoneman Lake. Off to its west lies neighboring Yavapai County.

According to the National Historic Lookout Register's website, nhlr.org, the tower was built in 1961 and is maintained by the Forest Service.

July 4 Independence Day Net

JD, KF7VOX conducted the reading of the Declaration of Independence, the Superstition ARC's third-annual Reading. This year he had it on YouTube and Facebook, live streaming. Join us next Fourth of July at Noon on the Superstition ARC 147.120 and 449.600.

The August Club Meeting Presentation: Mesh Network Update

Meeting Program: Steve Estes KB7KWK will give a presentation on the Amateur Radio Emergency Data Network – Broadband-Hamnet.

August's club meeting presentation will update the membership on what has transpired on the amateur radio mesh network since our last report in February.

Continued Next Column

Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery *

448.275 MHz (-) 100.0 Hz - Usery

449.600 MHz (-) 100.0 Hz - East Mesa *

KB7KWK-L Echolink Node 538499 *

* - Linked Full Time and Carries all Nets (except 10-Meters)

Club Nets

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

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

East Valley Swap Net: Thursdays, 7:30 PM

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

10-Meter Rag Chew: Thursdays 8:00 PM, 28.465 MHz USB
Morse Code Class Net: Saturdays, 7:00 PM

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

Superstition SuperFest

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



The year 2016 marks Yavapai Amateur Radio Club's 25th Anniversary. Come join us for one of our monthly club meetings. Upcoming meeting night programs include: "Fun of CW Operating (August), and Software Defined Radio project" (Sept).

By all reports the Prescott Hamfest 2016 was a success. We thank all who attended and made it a great time.

Field Day 2016 has come and gone, with our annual club picnic incorporated into the event. We had a terrific turn out and a fantastic picnic lunch. Band conditions this year were not too good, resulting in a score slightly lower than last year, but we had a great time anyway.

We followed Field Day with our third annual Granite Mountain Hotshots memorial special event. Thanks to the 300 who contacted us during the June 30 event as we operated under our N7GMH callsign.

YARC has begun a series of licensing classes for people interested in Ham radio. A Technician license class will be held August 6 and 13. A special test session will follow on August 27. Our September test session is being moved back to early October. In addition, YARC offers discounted "HamTestOnline" subscriptions. YARC offers bimonthly license testing. Test sessions coming up are Oct (TBD) and Nov. 12.

ADAW

Want Ads

WANTED:

I am looking to purchase a (WT3) Programmed 33cm (927 MHz) Radio. If you have one to sell, please contact:

Larry Stafford, N7WBU
3527 S Chesin Drive
Tucson, AZ 85730-2319
email: TFDFF@cox.net

ADAW

YES, we did Field Day.

Good things:

- 56 participants and visitors, best attendance ever
- Plenty of help with set up which took only an hour
- Plenty of help with tear down which took only an hour
- Weather was good - a little cloudy, not too hot, no rain
- 6 new/inexperienced hams made first HF QSOs on GOTA station
- No equipment or computer failures
- Dinner by Bubb's Grub was superb, required no club effort

Bad things:

- Band conditions were the worst I have ever seen in over 50 FD operations. No signals on 10M, few on 15M, very noisy conditions on the other bands. Sunspot number was ZERO! Score: 5,924 points

For comparison, 2014 score was 6,610 points, 2015 was 6,142. Declining scores probably reflect the declining sunspot numbers. Big numbers belong to the CW guys, with 82.4% of QSO points, compared to 10.4% for digital ops and 7.2% for SSB.

Next Field Day is June 24-25, 2017 and I can't wait! Got suggestions for next one? Contact me: (520)572-0554 or tkravec@simplybits.net

73 de W8TK
Tom Kravec
OVARC FD Chairman

[No satellite contact this year - I could hear them, they couldn't hear me. More antenna design to do. Ron W7HD]

Hamfest Calendar



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

8 October 2016 - **West Valley Amateur Radio Club Hamfest** - hosted by the West Valley Amateur Radio Club will be held at St Clement of Rome Catholic Church, 15800 N Del Webb Blvd in Sun City. Hours are 7:00 AM until Noon. Set up beginning at 6:00 AM. Free Admission. Tailgaters/Vendors spaces \$10.00. Talk-In Frequency: 147.300 P1 162.2. Visit the web site at www.WestValleyHamfest.org for more details.

15 October 2016 - **2016 Kingman Hamfest** - hosted by the Mohave Amateur Radio Club will be held in the parking lot of the KRMC Medical Plaza, 2202 Stockton Hill Road in Kingman. Hours are 7:00 AM until 3:00 PM. Bring your own food and drinks. Contact Rick Cooper at 928.530.1671 or Bill Smith at 928.303.9857 for details.

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- (P1 136.5) & 145.210- (P1 162.2). Contact Bob Howard at 520.222.7311 or email to w8rh@live.com for more information.

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

5 November 2016 - **Harkfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub (HARK) will be held at North Ranch Escapees RV Park located at 30625 S Hwy 89 in Congress. Free Admission - Free VE Testing - Free Tailgate Sites (pre-registration required - n0daj1950@gmail.com). Prizes, Vendors, Arts & Crafts Show at Activity Center, Lunch will be served in the Activity Center. Overnight Camping (Full Hook-Up & Dry) is available and tailgating at campsite is permitted. Pre-registration for camping is required. Visit www.escapees.com/parking/congress to reserve. Talk-In: 146.620 (P1 162.2) or 146.580 (simplex). Contact Doug Jarmuth at n0daj1950@gmail.com for more info.

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 P1 156.7. Contact Steve Wood, W1SR at 520.906.1204 or email to nauset2222@yahoo.com for more information.

The QCWA Arizona chapter is planning on a meeting in August. The time and date have not been confirmed at this time. A note will be sent out when everything has been confirmed.

If you have been a ham for 25 years, Join the Quarter Century Wireless Association (QCWA). We have our own chapter in Arizona, the QCWA Barry M. Goldwater Chapter 16 Arizona, one of the oldest chapters. We have four meetings a year around the state. Check us out at <http://azqcwa.org/>

Tom K7DF
QCWA Arizona President

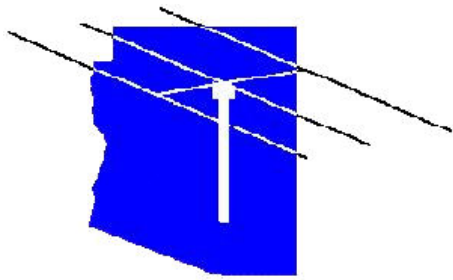
ADAW

Hamfest Calendar Continued from Previous Column

3 December 2016 - **SuperFest 2016** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Avenue in Mesa. Hours are 8:00 AM to 3:00 PM with set up beginning at 6:00 AM. Admission \$5.00 per person (under 12 years, free). Admission includes 1 hourly prize ticket. Tailgate - \$10.00 per space. Grand Prizes, Door Prize, Hourly Prizes. VE Testing, ARRL Card Checking, Special Event Station, GOTA Station, Fox Hunts, Great Food and Drinks, and Live Music by John J. KD8PC. Contact SuperFest Chairman at chairman@superstitionsuperfest.org for more info.

14 January 2017 - **Thunderbird Hamfest 2017** - hosted by the Thunderbird Amateur Radio Club will be held at Northwest Community Church, 16615 N 43rd Avenue in Phoenix. Hours are 8:00 AM until 12:00 Noon with vendor set up beginning at 7:00 AM. Commercial Vendors may also set up Friday night after 5:00 PM. General Admission: \$3.00 per person. Tailgate and Vendor: \$10.00 per Parking Spot. Door Prizes every half hour, VE Testing (exam fee \$15.00), and Seminars. Snacks and Beverages will be Available. Talk-In on 146.700 -600 KHz, 162.2 P1 or 446.150 -5 MHz, 100 P1. Email hamfest@w7tbc.org for more details. Sorry - this is a church/school property - no firearms, alcohol or drugs are permitted.

Continued Next Column



MARCA INC.

Did we log you this Field Day 2016?

While the heat was on in the valley, we did our usual Field Day escape to the comfortable temperatures on the RIM, the Gentry Group Site at Gentry Fire Tower.



W7MOT operated as 2A, operating on 15 thru 80 meters plus a 6M station. We worked with Phone, CW, PSK, and RTTY modes on each band.

FD setup began Friday at 12n. First priority is establishing 4 dipoles at a height of 60-80 ft in the tall Ponderosa Pines. All strategically located for directionality and non-interference with each other. Second priority is setting up a station to copy the ARRL Bulletin. Day 1 ends with a trip into Overguard for Pizza.



Day 2 begins by setting up 2 HF and 1 6M stations plus a 6m 5-element beam and R-7 vertical. The "Alpha" in 2A is about power, so we also set up solar panels and batteries for each of the 3 stations. All is ready.



Continued Next Column

MARCA Continued from Previous Column

Then, at 11 a.m. all stations began calling CQ Field Day this is W7MOT 2A AZ QSL . . . Contact . . . Exchange . . . QSL and logged it. This was repeated many times for the next 24 hours until 11 am Sunday morning.

Oh yes, it wasn't all that heads down fists pounding on brass, mice clicking on waterfalls, and slurred speech gasping into mics.

Somewhere in all this we found time for a training class. Paul Bennett, kd7kdo, taught several hams and potential hams everything about torrid inductors. They learned theory and formulas for inductors. Then actually wound some torrid coils, counting turns, then calculating theoretical inductance by measuring winding residence & using formulas, and finally directly measuring henrys with test meter.



The cooks (Becky, Jean, & Paul KJ7KY) prepared warm breakfasts of pancakes, eggs, sausages, and fixings both Saturday & Sunday mornings. Saturday evening the cooks prepared a Pulled Pork BBQ dinner including dessert. Not to mention Sunday lunch.

Important highlight; no one was injured during our FD event due to the efforts of our Safety Officer, Becky Johnson. This was our first year establishing the position. We were challenged to shape up and "it safely" not "think so" and expediency is no excuse to ignore safety. Several times the Safety Officer informed our FD Lead & Team about rule #1: The Safety Officer can't be fired or ignored.

All of our FD activities were captured by our Social Media Coordinator Team; Becky Johnson, Jean Boyce, and Becky Aldridge using Facebook. This was done real time from our FD site.

We all agreed it was a one big fun party, setup, operating, and socializing. All are looking forward to next year. Oh yes, we learned a few things about operating a dual receiver and networked logging setup. This is not new, but first time used by MARCA. More on this in a later newsletter.

If you experience a problem with any of MARCA's W7MOT repeater, please let us know by using the simple & quick online report at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>.

Our website is www.w7mot.org . Follow us on Facebook www.FB.com/W7MOT .

Norm Johnson, aa7oo
Secretary MARCA



SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

SARC Continued from Previous Column

Last month I said I would put in a few pictures of the field day on June 25, 2016. The event was well attended and all of the new hams made their first HF contacts. Here are the pictures with comments by Al Jensen, KE7FSD.



Over all there were 28 attendees to the event. Everyone enjoyed the cool weather and the comradery of like minded amateur radio enthusiasts.

The July general club meeting was a Field Day wrap up and an Ice Cream Social. There was much discussion about some of the unusual contacts that were mad. Over all 45 states were contacted. Rhode Island was contacted on a 40-meter dipole. Here are a few pictures of the ice cream social.



These three photos best represent the SARC Field Day for 2016. There was a little discussion about getting the antennas in the air and a little discussion on what to do next. We had several pass the VE tests and of course, we made some contacts. Operating during emergency conditions does not always mean to get as many contacts as possible. We also had some good food. Hamburgers and chicken right off the barbeque can't be beat.

Everyone had a great time with the ice cream, cookies and donuts. Bonnie N7TUU and Paula KD7TNB dished out about 2 gallons of ice cream and a dozen or two of donuts. The ice cold soda topped everything off. There was plenty of Dark Chocolate, Carmel topping and peanuts for everyone.

Field Day also involves a strong support system. Team work is the key to providing great food, good equipment operation and restroom facilities. The team work was outstanding in all three areas. We had a great time thanks to all of the great people that attended the event.



We even had some satellite work, although I am not sure if they made the two-way contact. I can't wait to do this again next year.

VE testing was also held at this year's Field Day. There were 11 applicants from the attending group and also from a few surrounding communities. Here are Pete and Molly displaying their club certificates for passing their tests.

I was asked by several new members if Field Day and the IceCream Social are yearly events. I told them they were and that our activities chairman is working on a few more events. There is a regular Saturday morning breakfast club at the Denny's restaurant at the Pavilions around 8:00 AM.

Continued Next Column

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Arizona Near Space Research is preparing for a launch at the Williams Hamfest and working on the launch preparations for the August 2017 Eclipse Flight. ANSR will be providing launch and recovery services along with technical expertise for a flight from Glendo State Park in Wyoming, during the solar eclipse.

See you at Williams!

Bill McLean
Treasurer Arizona Near Space Research
www.ansr.org
K7WWM



SARC Continued from Previous Page

To keep up with all of the fun activities the club is working on, you should check out the club web site. The address is www.Scottsdalearc.org.

The club has a VHF / UHF net every Tuesday evening at 7:00 P.M. The club frequencies are 147.18 with a tone of 162.2 and 440.00 with a tone of 100. Everyone is welcome to check in.

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

Ed Nickerson WU7S
enickerson427@aol.com

SARCCONSTANTS:

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

For membership information, call Gerald Jacques, W7EMU at 480.239.8679. Please send address change requests to Gerald no later than the 7th of the month in which you would like the change to occur.



Emergency Communications Since 1961

SHORT SKIP

Emergency Communications Class

Our next meeting August 15th in the Juniper Room at Boswell Hospital at 7:00 p.m. We will be going over the versatile Powerpole connectors, and handling emergency traffic.

Newbie Net Started

On Friday, June 17 our first newbie net was held. It will continue to be held on the 1st and 3rd Fridays of each month at 7:00 p.m. Everyone is welcome

West Valley Amateur Radio Club High Speed Multimedia Special Interest Group

We are trying to start a high speed multimedia special interest group, and also mesh networking. If anyone is interested, please let me know.

Bob, KG7FIL kg7fil@arrl.net

New Club Members

- DALE BRANDSER
- RAM KARLAPUDI
- PAUL DILLON
- ROGER RINGER AB7WP
- JAMES TJON KI7FGB
- NANCY COLLINS KG6QWW
- PERRY MOSS
- RICK PRIVETTE
- TODD GERTSCH KI7CLB
- BRENT HEATON KI7CLA
- SONNY ROBERTS N3LER
- HENRY SCHWARTZ KI7CLC
- CHRIS HOFFMAN KI7EEF



West Valley Amateur Radio Club Field Day 2016



Howard KB6MTT, Mike K7MJC

The ARRL West Valley ARC field day started on time on June 25th. John N9NA, Ray W0IVB were holed up in the Casita sending CW. The only time anyone saw John was when the generator ran out of gas and there was no air conditioning. Phew, it was hot - 108°. John and Ray love CW!



Well field day is over. Down come the antennas.



This is a photo of Mike, WB9TBY, letting the cub scouts from Den 9 hear what their name sounds like in CW and explaining what amateur radio is all about.

Real Estate

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Antennas are down and cables are rolled up.

ADAW



We had fun at the July meeting watching a video by the Italian DXpedition Team that showed their trip to an island off the coast of Guinea in West Africa as 3XY1T. They definitely had their act together because it seemed like they were able to get all of their equipment through customs without any hassles and onto a small boat for their trip to the island where they operated. They got extra credit for braving a very small boat for a big team, and arrived safely (while wearing life jackets on way there). They proceeded to make 90,000 QSOs on CW, Phone, and RTTY with hams all over the world.

We also listened to a classic British piece of 60's radio humor by comedian and BBC stalwart Tony Hancock. In "The Radio Ham" he portrays a newly minted ham in the good old days talking to his ham friends around the world after replacing several "valves" (tubes) in his homebrew radio. He stumbled upon a "Mayday" call from a yacht in distress. What followed was a series of fumbles and landlady encounters that had us in stitches while he desperately tried to enjoy his one and only chance to be a ham hero.

The next CADXA meeting will be on Thursday night, August 4th, 7:00 p.m. at the PERA Club. Our program is not yet finalized due to a cancellation. More information will be posted on our web page as soon as it becomes available. Come early to socialize. We will have refreshments at the break.

Speaking of Caribbean islands, club members Ned Stearns, AA7A, and Larry Loen, WO7R, have returned safely from their DXpedition to Jamaica as 6Y5AZ and 6Y7R, respectively. After being told "no problem, mon" to bring their ham radio gear to Jamaica, they spent countless days, not just hours, working through the Jamaican bureaucracy to free their gear from the customs agents who insisted that they played by their own rules. Our guys were required to hire a local customs agent to represent them in the customs quagmire. Eventually the gear was paroled, at significant expense, from customs jail and Ned was able to get his 2m moonbounce array on the air while Larry worked the low bands.

The 2m moonbounce array above is an AA7A technical

work of art that has now made two successful trips to the Caribbean. It packs up into a few bags that meet standard airline luggage requirements.

Ned and Larry were part of a team of five operators that spent significant time on 6m. Unfortunately, they never had propagation to the west coast where we were listening for them daily. They did manage to make many European stations happy during a few good 6m openings to the north.

There is no exciting DX news to report on the HF bands now that we are into the summer doldrums. There have been some decent openings to Europe and Asia on 20m and 17m, in the mornings and occasionally in the evenings.

We continue to monitor 6m for sporadic E openings. The east coast has been heard several times on double hop propagation, but so far there has not been another day where the European stations magically appeared like they did in early June. I keep a window open on my desktop to the map at <https://n3tuq.com/dxmap.php> as a way to monitor what is happening on 6m whenever I am in the shack. It is also helpful to watch the JT65 band at 50.276 to see what stations are being copied as a way of checking propagation.

I hope to see some of you at the ARCA/Williams Hamfest, July 22-24. Check the ARCA website for details – www.arca-az.org. QSL card checking for DXCC including 160m will be available there.

73,
Lee, KY7M
CADXA President

ADAW



CARL Continued from Previous Column

people escaped the heat by attending the Science Center air-conditioned comfort. Lots of Hams were a part of that crowd of visitors, and some stopped in the Shack to help with contacts. One family, from East Texas, made themselves at home. More than one family member was licensed. They had fun and the volunteers on duty got a break. Local Hams who found the “Field” a bit too hot, accepted ASC hospitality, getting in some Field Day time in comfort.

It must be noted here that Arizona Science Center supported the effort in many ways. They invited Hams to enter at no cost on Field Day. This has been the tradition for many years, and it was well attended. ASC also provided A/V facilities, extra chairs and tables and promotional efforts that helped to make the 2016 Field Day really special.

Every visitor who successfully sends their name in Morse code gets a certificate and a sticker for their shirt that reads “I sent my name in Morse code.” Since there were so many Morse code positions throughout the building, it is almost impossible to know exactly how many stickers were awarded, but a good guess is that there were probably more than THREE HUNDRED! The Morse code success rate for visitors approached 100%.

If you enjoy Ham radio, you had to love Field day at Arizona Science Center.

Did you miss the fun? You can warm up for next year by joining the ranks of the volunteers at W7ASC. An application, a simple one-page, can be sent to you by e-mail. Call Bob KG7QJ at 480-961-1109, or via e-mail at kg7qj@cox.net to add another layer of enjoyment to your Ham radio experience. Have an item for this newsletter? Call the scribe at 480-664-7353

More about C.A.R.L. /W7ASC next month.

73 de W4CIH Jean

INSIDE THE W7ASC HARKINS HAM SHACK

The “Big Project” should be complete by the time that you are reading this letter. This is being “penned” in early July, just prior to the scheduled start of the roof repair.

That roof repair work cannot be performed as a work-around to the W7ASC roof-mounted antennas. The antennas will (or did) come down, to be reinstalled after the repair has been completed.

Those antennas, together with the coax and control cables, have been there, in the Arizona sun, ever since the building was constructed. That is about 18 years. You can imagine the condition of cables and connectors that have been outside all of that time. The first installation ran cables from the roof to the shack location on Floor 2 of the Arizona Science Center. About eight years ago, the Shack was moved to the third floor. At that time the feed lines and control cables were not replaced, but merely extended. They ran from the roof down to the second floor, then made a turn and were extended in order to reach back up to the third floor Shack location. Not exactly an ideal configuration, but a compromise based on the availability of resources. The Arizona Science Center building is quite large. The antennas are located on a roof that is about sixty feet above ground level. Access to that roof is difficult, requiring a climb on a ladder that is attached to the outside of the building. Not many station Volunteers, or Science Center staff, were willing to climb up to the roof. The compromise was the addition of interior cables.

C.A.R.L./W7ASC Board decided to perform a fresh installation this time. Some brave souls volunteered to make the roof ascent. New RG-8 and high-temperature connectors were ordered and should have arrived long before you read this. Arizona Science Center management Offered to string the new cables if W7ASC volunteers would do any required soldering. A deal was struck! If you can hear W7ASC on the air at this time, you will know that the task was completed and all is working again. The partnership, of long duration, between C.A.R.L. and Arizona Science Center, came through again.

W7ASC FIELD DAY

Where were you on Field Day this year? Many of the C.A.R.L. Volunteers were at Arizona Science Center where the experience was remarkable and unforgettable. Bob KG7QJ rounded up about 20 volunteers to serve in many capacities around the building. There was a SkyWarn table, about eight Morse code positions. Visitors were treated to presentations on Amateur satellite communications. Another location told the story of Ham radio. Within the Shack the HF station was busy with contacts. And the day was HOT! Many



Steve KB7QHP at the SkyWarn table 3rd floor

Continued Next Column

ADAW



1st Floor CW, Jim N7BBS (note the "selfie" rod)



Steve WB4ZSC and Willie AC7BI at the 50's Ham Station in the ASC Lobby



Sam N7INV and Stuart KG7CQR at the 50's Ham Station in the ASC Lobby

A BIG THANKS! to all that helped out for the ASC/CARL Field Day - John K7JP, Jean W4CIH, Steve KB7QHP, Sam N7INV, Jim N7BBS, Steve WB4ZSC, Bob KG7QJ, Mike KG7OSR, Steve KE7OPZ, John KG7YUS, Gary N4WU, Fred K9TOS, Sandy N0CALL, Karen NO7D, Willie, AC7BI, John WA2IZX, Gary N4WU, David W7PMD, and Stuart KG7CQR.



The Mingus Mountain Repeater Group has an excellent website. Take a look at it at: <http://www.k7mrg.org>

The website is still under construction, but you can get a good idea of the excellent job that Bob, K7POF, is doing with it. Much of it is useful already, and it won't be long before it is complete. The members of the MMRG greatly appreciate all that Bob is constantly doing for ham radio. He maintains the K7MRG/R Mingus Mountain repeaters 147.000 + 600 and WA7UID/R Downtown Phoenix 147.280 + 600. He also produces a very informative newsletter and does many other services for the amateur radio population. Both Bob and his XYL Linda, W7POF, are greatly appreciated by the members.



Dylan KI7EEE is the youngest MMRG member at this time. He is 10 years old and the son of Steve N7RAS and grandson of Ken KK7KEN. A hearty Welcome to Dylan from the Mingus Mountain Repeater Group.



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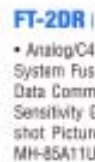
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