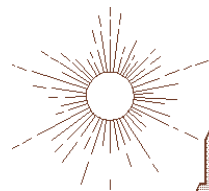
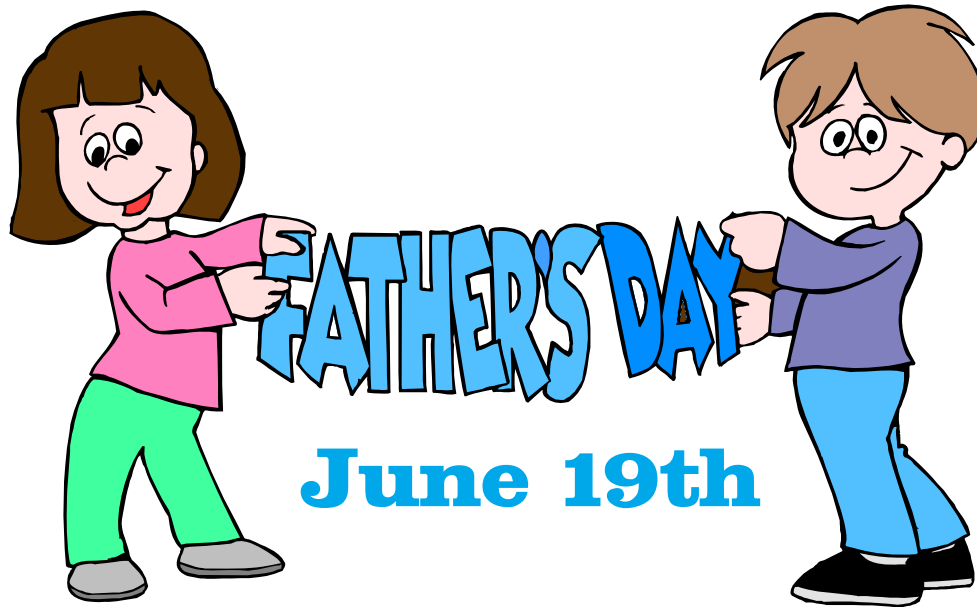


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 41, No 6

June 2016

CLUB MEETINGS SCHEDULE

SARC

Jun 1st
Scottsdale Senior Center
7:00 PM

AARC

Jun 9th
Red Cross Bldg. - Phx
7:30 PM

OPRC

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

TBARC

Jun 16th
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

CLUB MEETINGS SCHEDULE

QCWA

June or July
TBD
Prescott
11:00 AM

WVARC

Jun 6th
St Clement Catholic Church
Social Hall
7:00 PM

SuperstitionARC

Jun 21st
Charles K Luster Bldg
7:00 PM

ARA

Jun 25th
Denny's Restaurant - Tempe
7:30 PM

MARCA

Jun 21st
Denny's Restaurant - Tempe
6:30 PM

MARA

Jun 25th
Barrow's Pizza - Maricopa
9:00 AM

ANSR

Jun 20th
via Skype
7:30 PM

YARC

Jun 2nd
Mile High Middle School
7:00 PM

OVARC

Jun 17th
Ascension Lutheran Church
7:00 PM

CADXA

Jun 2nd
PERA Club
7:00 PM

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. 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 147.78/1.18 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	Bob Molczan, KA7VPR	president@tucsonhamradio.org
Vice-President	Steve Wood, W1SR	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	Josh Montano	WX7JM	602.570.6528
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

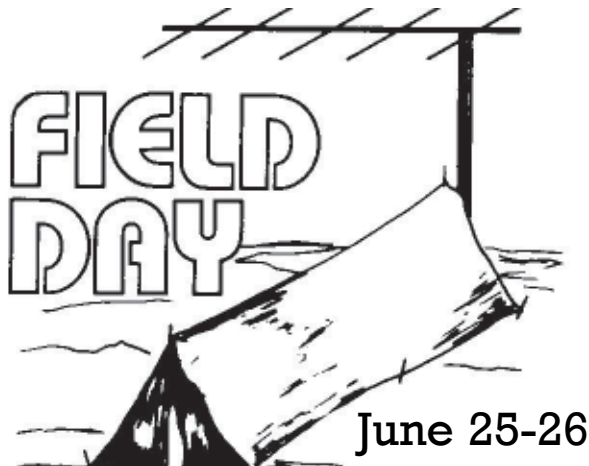
For information: Email to carl@w7asc.org or call Bob Burleson, KG7QJ at 480.961.1109. Web Site: <http://www.w7asc.org>

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.



FROM THE EDITOR'S DESK

Summer is upon us with the official start on June 20. Hamfest activities now switch to the northern climes of the state. The White Mountain Hamfest will be held on June 4th in Show Low, and the Prescott Hamfest will be held the following weekend (June 10 & 11) in Prescott. Check the Hamfest Calendar on page 19 for more details on these and other upcoming hamfests.

Don't forget Field Day on June 25 - 26. All the clubs are planning their field day events and welcome everyone to come and check it out. If you are a new ham, it's an excellent time to get in a little experience in operating and have seasoned amateurs available to help and answer any question you might have. Plan to attend at least one of the field day operations this year.

Space is limited this month so - Enjoy reading. See you next month!

73,
Chris, N7PVL

ADAW Staff

PUBLISHER/EDITOR

Christine Kesauer N7PVL 602.843.0960

AARC EDITOR

Lori Cripps WA7EDI 602.955.7517

ANSR EDITOR

Bill McLean K7WWM bmclean@gmail.com

ARDG EDITOR

Daniel Bashir KG7GDL daniel.bashir@pcds.org

ARA EDITOR

Virgil Silhanek K7VZ 623.850.1441

CADXA EDITOR

Lee Finkel KY7M ars-ky7m@cox.net

CARLE EDITOR

Jean Jolkovski W4CIH 480.664.7353

MARA EDITOR

Steve Miller W6SDM 602.290.1603

MARCA EDITOR

Norm Johnson AA7OO 480.278.2886

MMRG EDITOR

Lori Cripps WA7EDI 602.955.7517

OPRC EDITOR

Ron Kalish N7SPW 520.207.3852

OVARC EDITOR

Ron Herring W7HD 520.240.5322

QCWA EDITOR

Tom Fagan K7DF 520.574.1129

SARC EDITOR

Ed Nickerson WU7S 480.949.5162

SuperstitionARC EDITOR

Larry Kuck WB7C l.m.kuck@gmail.com

TBARC EDITOR

Andrew Cornwall KF7CCC kf7ccc@arrl.net

WVARC EDITOR

Robert Paul KG7FIL kg7fil@cox.net

YARC

Don Bauer WB7TPH dbauer2250@aol.com

TECH SUPPORT

Mark Kesauer N7KKQ 602.843.0960

ADAW EMAIL

adawaz@arca-az.org or adaw@adaw.org

ADAW WEBSITE

www.adaw.org



FIELD DAY!

This should reach you prior to the Saturday, June 25th Field Day weekend, if the newsletter production schedule holds. As this is being read, local clubs are in the final preparation stages for the BIG DAY.

The locations have been selected. Potential participants are watching the weather forecasts. Coordinators are fine-tuning the assignment lists. Antenna installers. Tent erectors. And water! Do not forget lots of water. Power? Generation and distribution. Fuel.

Contest assignments, pairing up the newbies with the seasoned, veteran testers. Logging? Who will total and submit the official club results? Will all 24 hours be covered on the selected bands?

Oh – what about the gear? Who is bringing what? And food. What will be on the menu, who will buy it and who will do the cooking, if cooking will be required? Overnight accommodations, including campsite assignments must be considered. Especially if there will be families in attendance.

Some attendees will need help finding the location, so a map must be created and distributed. Talk-in frequencies and operators will probably be needed. Every attendee needs to be identified as either a participant or an observer. Even observers can help. How about first-aid? Be ready for cuts, bruises and bug bites. Has the nearest urgent-care facility been located, and does everyone have that information, a well as the best route to get there? Someone must be monitoring for fire warnings, or the approach of electrical storms.

And, speaking of fire, be sure to assign someone as the club fire marshal, equipped with an extinguisher. Someone to make sure that the site is fire-safe as the last person leaves. No one wants to see a headline: “Ham club starts devastating Forest Fire.” Put a responsible adult in charge of fire safety. With fuel supplies, electricity and cooking all in the same site, there is a real potential for a problem. Do not let it happen to you. That fire marshal should also know how to call for help if help is needed. The last second is not the time to start researching.

MORE THAN JUST A PICNIC!

The Field day tradition started about 1933, initiated by the ARRL. It was, at first, just a contest. History, largely from the pages of old QST, records that the date has moved around, but

CARL Continued from Previous Column

it has been mainly in June. But the purpose has evolved. When it started, equipment was large. Roads were rough and it took a lot of ingenuity to provide power out in the field. Cars were not very reliable and tires did not stand up well on those back roads. Frequencies were low, so wavelengths were long. It was a real challenge to get antennas installed out in the field.

This scribe has not been able to learn when the idea of emergency communications became a part of Field Day, but it is now. Hams demonstrate that communication can be established almost anywhere.

The contesting continues. Field Day still provided an opportunity to demonstrate that Hams are prepared to communicate from primitive settings. Field Day is a PR opportunity!

Use the site as a demonstration. Invite friends and neighbors to visit and watch the scope of the activities. If you belong to non-Ham organizations, use that contact as the means by which to issue invitations. While in the Field, take photos, then write an article about the fun stuff, then send it to your local newspaper. Include some of the best photos.

At W7ASC, the operation will be indoors. The station will operate only during those hours when Arizona Science Center is open. Saturday will be the big day. ASC management has, again, waved the entry charge on Field Day for any Ham who displays a valid license.

There is a cloud, off in the distance, that might change the W7ASC plans. The city might choose that date to repair the leaky roof, which would require that antennas be removed. But the clever C.A.R.L. Hams have a few work-a rounds in the planning phase. Field Day might look a bit unusual, but there will still be a Field Day demonstration.

Want to join the air-conditioned fun? Bring friends and family? Call Bob KG7QJ at 480 - 961-1109 and get on the schedule. Bob’s email address is kg7qj@cox.net.

Even if you just want to see the action, or bring a friend - all are welcome, on Field Day as well as any other time. We will need 9 or 10 W7ASC volunteers for Field Day Saturday.

W7ASC will try to mix demonstrations with actual operation, providing some points to other stations (2 Delta Arizona). And, of course, the ever-popular “I did my name in Morse code” certificates and stickers. The plan is to have Morse code stations throughout the building. And you - yes YOU - could be one of the volunteers doing that code, teaching visitors.

We hope to either hear you on the air or see you in person at W7SC this upcoming Field Day. And comb your hair. You never know which image will be published.

See you there?
73 de W4CIH
jeanjol@hotmail.com

Continued Next Column

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.

June Test Sessions

Jun 2nd - CARBA -- 7:00 PM

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

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

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

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

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

Jun 6th - AARC & WVARC -- 8:00 PM

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

Jun 8th - Central Phoenix VE Team -- 6:30 PM

South Mountain Community College, 7050 S 24th St, Phoenix
Contact - Bill Martin 480.205.3625
No Walk-Ins - Limited Space - Please contact prior to exam.

Jun 11th - Yavapai ARC -- 9:00 AM

Embry Riddle Aeronautical University,
3200 Willow Creek Rd Prescott
Contact - Donald Bauer 928.775.4690

Jun 13th - Radio Society of Tucson -- 7:00 PM

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

Jun 15th - Thunderbird ARC -- 6:00 PM

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

Jun 18th - W7GAA -- 10:00 AM

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

Continued Next Column



pineberryboutique.etsy.com
pineberrystitchery.etsy.com

Unique Handmade Jewelry and Gift Items
at Affordable Prices

ADAW

Club Badges by N7KKQ

Custom CNC Milled Badges and Nametags
Fine Detail - Many Styles and Colors
Club Logo Artwork Included
Pin or Magnetic Clasp



Mark, N7KKQ - 937-424-9069
markk.tec-paq.com

ADAW

Test Sessions Continued from Previous Column

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

Gilbert Farmers Market, 222 N Ash Dr, Gilbert
Contact - Bill Martin 480.205.3625
No Walk-Ins - Call Ahead for important details/instructions

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

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

Jun 25th - 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



Taking Antenna Down



Do you have friends on the west side of town who don't have an amateur license, but want to get one? Let them know that the Thunderbird Amateur Radio Club and the West Valley Amateur Radio Club are joining forces to put on a Technician class license course. It's going to start on Wednesday, June 1 and run for seven weeks. Classes will meet at 7:30 p.m. Wednesday evenings for 90 minutes. Location: Surprise Public Safety Bldg., 14250 W. Statler Plaza, Surprise. The course material will be the "ARRL Ham Radio License Manual Level 1 Technician Third Edition" \$29.95 + tax payable at the 1st day of class for registered students. Sign up at w7tbc.org.

Field Day is getting closer. Have you made plans yet? If not, I'd suggest you join us for a fun weekend in Flagstaff. You're on a hill, so your signal gets out - and when you're tired of operating, there's great food and great company galore. If you haven't been before, I'd recommend a day trip on Saturday - start off around 9:00 a.m. Saturday morning, drive to Flagstaff and you'll be there around 11:30. That will give you plenty of time to operate (and have fun) all day long with breaks for lunch and dinner, then head back Saturday night. Bring your kids, significant other, or anyone else who might be interested in ham radio. You'll find out what Field Day is all about - and learn why people keep coming back. Mark your calendar now and plan to be there - we look forward to seeing you!

Recently one of our TBARC members moved into a residence where he sadly cannot have his tower. So he contacted the club looking for advice and help in finding it a new home. We found a buyer and arranged for a crane to lift the tower over the house and trucks onto the bed of a trailer. The antenna we disassembled and placed beside the tower. The entire job took less than one hour, thanks to the crane operator and members who helped.

We are considering holding an extra course in the fall. If you would be interested in attending a Saturday morning Extra course in the fall, please email course@w7tbc.org. If we get at least eight interested TBARC members, we'll start the ball rolling for the course.

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 June our meeting is going to be about Field Day - what is it, where is it, and what's it all about anyway? See you there!

Andrew Cornwall
KF7CCC
kf7ccc@arrl.net

Down Comes the Tower



The May meeting of the Arizona Amateur Radio Club featured a presentation by Gary, K7GH, on NVIS antennas. Mark, N7KKQ, has been at work on several projects that will benefit the AARC. At the April meeting, he educated us on Echolink, and his latest plan is to audio stream our meetings live on-line with Echolink so that club members with mobility issues can join in on the fun. This will be a two-way function in which on-line members can hear what is going on and can ask questions, or make comments, to those attending. This is still in the planning stage, so it may be a couple months before we see it at the meetings. Look for Mark's Friday Echolink seminar and his "Introduction to RMS Express" at the Williams hamfest in July as well as Gary's seminar on the National Traffic System.

The June meeting of AARC will, of course, be a planning session for the June field day. Our field day will be held at the American Red Cross Building at 4747 N. 22nd Street on June 25 and 26. It is a good opportunity for new ham operators to observe ham radio in action. We invite you to come watch the action and maybe even get your first opportunity to operate.

See you at Williams, July 23 and 24. No VE testing at the Red Cross building in July because our VE group will be at Williams, and testing will be available there.

73,
Lori, WA7EDI

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*



Following the Zombie Apocalypse, there will be only two things left: Ham radio operators and cockroaches. Both will survive for the same reason: They're adaptable and resourceful.

Many of the innovations that we enjoy today are either directly or indirectly because of hams. Radio. Television. Cellular telephones. Indoor plumbing.

How, do you ask, is indoor plumbing a result of amateur radio? Well, in 1908, shortly before his death, John Crapper, a British subject with the call G3LOU, was tired of getting up from the spark gap and straight key every time nature called. So, he installed a primitive version of the flushing toilet and placed it in his ham shack. Don't believe me? Google it.

Hams have always been innovators. Inspired by Alexander Graham Bell's telephone, radio amateurs invented the modulator and put amplitude modulation on the air. Shortly after, broadcast radio became the entertainment media of the 1920s and 30s. Shows like "The Shadow" and "Amos 'n' Andy" entertained millions. This actually brought about development of the entire electronic media industry. After all, how many families do you think would have gathered around the RCA table model radio to listen to CW?

Ham radio was the first form of social media. Morse code was the first method of text messaging. Much of what defines our twenty-first century culture today has roots in amateur radio, which is essentially people volunteering to learn new things so that they can talk to people they don't know about things of which they know very little. Probably the most remarkable thing about ham radio is that it survived the advent of Facebook – but then so did the Lawrence Welk Show, which lasted even longer than Lawrence Welk.

Cell phones are the indispensable tool of the twenty-first century. Not only are they miniature two-way radios, they used towers to relay a signal from one to the other, thus providing long distance communication well beyond the capability of the original transceiver. This is exactly the way early amateur radio operators passed messages across the country, thus the name American Radio Relay league.

Indirectly, ham radio inspired in many to pursue a career in electronics, telecommunications, or information technology. Many electrical engineers started their careers learning Ohm's Law in order to pass an amateur radio license. NASA requires all astronauts to obtain a ham license. The crossover from personal fun and entertainment to the development of useful

Continued Next Column



Amateur Radio Development Group

No news this month.

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

MARA Continued from Previous Column

technology is something that separates our hobby from all others. The fact that hams are innovative, adaptable, and resourceful means that whatever technology we work with will only advance and get better over time.

Unlike other hobbies like stamp collecting or fly fishing, ham radio is a hobby that we can actually be proud of because of its contribution to society. Remember, in addition to being a hobby, the FCC also classifies amateur radio as a service.

Oh, how many of you Googled John Crapper? (smile).

73,

Steve Miller
W6SDM

ADAW



Continued from Previous Column

have the timeout timer set to some finite time limit. Had one person in our club done this, it would have saved him from letting the smoke out of his finals. He reported getting home and smelling something burnt. He discovered his Kenwood TS-2000 with the microphone locked on transmit, but no longer transmitting.

Good news is that it was just the two-meter finals that got cooked on an otherwise functional all-band transceiver. Having the timeout timer set would have saved him a goodly sum of money.

Remember this: Electronic equipment runs on smoke. Once you let the smoke out, it's expensive to put it back in. It just will not run once the smoke is out.

New Duplexer Resolves a Deaf 449.600

On Wednesday, May 11, Brian, W7JET was wrapping up the installation of a new duplexer at the Stone Castle repeater site right around 7:30 P.M. The repeater was in service in time for the club net that followed at 8:00.

At the same time, Steve, KB7KWK was getting the ham shack moved from a poorly-cooled room in his house to another room, and managed to get EchoLink back up and running just in time for the net. All that radio gear and computers generated a lot of heat, and together with the air turning a sharp corner and missing the room's vent, it was getting mighty warm in there.

Club Dinner at Organ Stop Moves to July 23 at Noon

Vice President Jeff, K7ZLX, reported on the May 11 net of a change in the Organ Stop Pizza club party, now July 11. Good food and fun had by all each year.

Field Day Site to be Chosen Soon

Jeff, K2DFE, reported on plans to do a radio survey of a site near Pinal Peak in the coming days.

ARRL Field Day is on the Fourth Weekend in June. Some reports erroneously speak of it being on the last weekend in June, and while this is true if there are four weekends, in those years when a fifth weekend is the last weekend in June, that is not when the event is held.

Please check the club web site for the latest information, or attend the meetings.

Morse Code Class Takes on Tuesdays for Advanced Class

A starter course runs Saturdays at 7:00 P.M., while people wishing to brush up their speed has begun on Tuesdays, except on the third Tuesday. Naturally, we had a sound card failure on Saturday the 8th, which put this class in limbo. I should be able to get it replaced in the coming days and get back on track before this comes out.

We run drills on whatever characters at whatever speed those checked into the net request.

If your radio has a timeout timer feature, be sure to use it

Whether you operate FM simplex or on repeaters, be sure to

449.600 is now a BridgeCom

I believe that I reported in last month's column that we sold the last of the tickets for the Yaesu and pulled the winning ticket. Jeff, K2DFE was the winner of that drawing.

As of now, the new BridgeCom repeater is in service on the 449.600.

ADAW

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

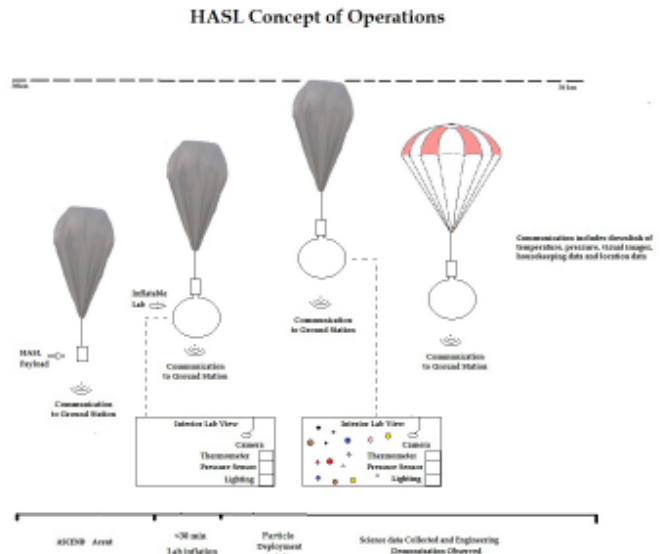
The Superstition SuperFest is held on the first Saturday of December. Visit www.superstitutionsuperfest.org for the latest information.

Continued Next Column



ANSR Continued from Previous Column

April was a very busy month for Arizona Near Space Research, we launched three balloons and assisted Emery-Riddle University with a launch. Then on May 14th we launched another balloon, this one in association with the School of Engineering Arizona State University. Please see the diagram explaining what these students were trying to accomplish. This flight was launched from Pinal County Park West located near the junction of Interstate 8 and AZ-84. The flight circled over Casa Grande before landing just southeast of Interstate 10 and AZ-187. The second diagram compares the predicted flight path to the actual path for ANSR-100, our 100th flight since we started launching balloons in 2001. We were also able to successfully test a new cross band repeater on this flight.



What the students were trying to accomplish.

All flights were successful with recovery of all payloads. Emery-Riddle Aeronautical University will have a launch in June where some of our members will assist. ANSR-101 will launch from the Williams Hamfest in July and we hope to see many of you there. Please stop by and see our ground station, which will be sharing live video and APRS tracking data from the flight. A UHF video feed and an AREDN mesh network video feed via an automatic tracking antenna system that some of our members have built will be active during the flight. At least one cross band repeater with an input of 145.56 MHz/162.2 CTCSS tone and output 445.525 MHz will be flying also. Contacts have been made between El Paso and Las Vegas using the cross band repeaters during some flights.



Predicted vs. actual flight path of ANSR-100

Bill McLean
ANSR Treasurer
K7WWM



Continued Next Column



Old Pueblo Radio Club INTERMOD

President's Column

No Report Received

Several exciting events have occurred in May. We now have a plaque prominently displayed at the Village Inn telling that we meet there every Saturday morning at 7:30 a.m.

Also, our Elmer program now offers several 90-day loaner stations, which include setting it up at the members house, putting up an antenna and teaching them to use it. They get to keep the antenna :-)

Our Sunday night net now features a propagation forecast by Ron W7HD when he's available. We are adding a FOR SALE section to the OVARC newsletter to complement the Radio-Tradio segment of the Sunday night net.

The club is operating an NPOTA (National Parks On The Air) station every month. We have typically been having about 10 operators show up, so the participation has been great. We now have a fox hunt chairman Walt AL7KE, who schedules a fox hunt each month. We also have a fox accessory (a real fox neckpiece) for whoever is the fox each month.



The Oro Valley Amateur Radio Club has scheduled a summer license class that will start June 7th. Visit the web site: Amateur Radio Technician License Class where you will find all of the details. Please pass this information along to all interested parties. Thank you, David Beauchesne ak21@arrl.net License Instructor

We're ready for Field Day on June 25th – are you? We'll be doing it at the Oro Valley PD EOC just off Tangerine Road in the Marketplace. If you don't have your dinner tickets yet, you'd better hurry. They are going fast for a marvelous feast from Bubs Barbeque.

Continued Next Column

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

OVARC Continued from Previous Column



The plaque displayed at Village Inn

Gary KT7AZ is the recipient of the Ron Walther W7AI Memorial Plaque for outstanding service to the club. He is the one that installs/upgrades/maintains our repeater system. We have a Linux SIG starting on May 14th and it will meet the 2nd Saturday of each month at the OVPD EOC at 0900-1200.

Ron Herring W7HD
Editor OVARC Newsletter

ADAW

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

SARC Continued from Previous Column

There is a new program for all club members taking place on Saturday mornings around 8:00 A.M. It is a get together for breakfast at the Denny's Restaurant, 9160 East Indian Bend Road in Scottsdale. It is in the Pavilions shopping center right off of the 101 freeway. You can order whatever you like, but it is Dutch treat.

On Saturday, April 30, a group of club members had breakfast there and then went on a SOTA mission. That is an acronym for Summits on the Air. Here are a few comments by those attending the event and pictures to go with the story.

"The environmental conditions were great for the last weekend in April. It was very cool and windy. Temperatures were around 56 degrees and the wind must have been about 20 mph. There were low clouds and the Storm Spotter class was great to have. Once in a while it would rain a little. We did not meet criteria, but we sure cooled off. We all made the required 4 VHF contacts in order to log the mountain top. We used a FT 60 Yaesu with a home-brewed j-pole antenna mounted on the mast provided by Charlie. It was pretty neat to be able to get contacts from Payson, Prescott and Phoenix on a handheld radio. I made several HF contacts on very little wattage using a Yaesu FT-817 and a home brewed multi-band dipole antenna. The farthest was Indiana on about 8 watts. Once we had the required contacts for everyone, we called it a day and drove off the mountain. (Boy does that sound bad – drove off the mountain.) We need to say thanks to the other members who put up with us as we tried several times to make those contacts. And to the Charlie who coached us through this event. What a great time and we will do it again."

"Our site was the big white ball on top of Humboldt Mountain locate north of Scottsdale and is known as W7A/AW-040 by the SOTA people. The ball looks like a golf ball on a mountain. It's actually a radar facility for the area airplanes. As such, it has a lot of cameras and fences and other security around it. We used the access keypad for a "desk" and it held our papers and radio. The cement post was great for us to strap our antenna mast to."

Here are some pictures from the event:

Continued Next Column



Breakfast at Denny's



Kelly Law KF7ZVL making a contact



Al Jensen KF7FSD also making a contact

Continued Next Page



**Summer Begins
 June 20**



Charlie Brown NJ7V making a critical adjustment



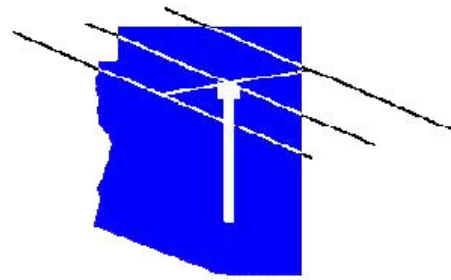
Al and Charlie discussing the finer points of antenna propagation.

As you can see, the guys did very well on a windy and rainy day. They all made the required contacts. Congratulations to all who attended. To see more pictures of this event go to 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



MARCA INC.

No Report Received.



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.

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.





AEN-MAR/MCECG Picnic in Payson - May 13-15, 2016

This past month has been a busy one. The public service season has completed the spring schedule, ending with the picnic in Payson. The National Weather Service had a full schedule of SkyWarn spotter training courses in preparation for the summer monsoon season. The summer AEN-MAR schedule is packed full of helpful training, so join the net on Monday evenings. There are also several upcoming Flash Drills planned to provide hands on training. The ARA technical committee has been busy performing maintenance and trying to keep up with repairs of various failures.



Bring your own meat and grill it.



Zane Gray Highline 50, Finish Line, April 23, 2016.

Repeater problems and interference are inevitable whether it's on a single repeater or the larger linked systems. With it almost half way through the year, 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



Pot luck lunch under the ramada.



Ham radio themed movies by the campfire.

Continued Next Column



CADXA Continued from Previous Column

The June CADXA meeting (on June 2nd at 7:00 p.m.) will feature a presentation by club member Fred Hoffert, NA2U, who has operated from the Big Island of Hawaii several times in recent years. Fred has run pileups as KH6/NA2U and he has operated in the ARRL DX Contests as KH7M, making thousands of QSOs and big scores. Fred will talk about his experiences being a guest operator at a DX station and provide some background on what makes operating from the Pacific different from Arizona. The station where he operates is near the town of Volcano and the QSL card is certainly appropriate.

Our May BBQ meeting was amazing in many respects:

1. Attendance at the BBQ set an all-time record for any CADXA meeting – over 100 members and guests.
2. Our outdoor BBQ survived sustained winds of at least 20 mph and gusts of 30-40 mph.
3. No members or guests blew away, only an occasional potato chip.
4. Many members and guests volunteered their help to tape down our table coverings, serve the food, or help to clean up. **THANK YOU!!!**
5. For the first time ever, we moved the program indoors to get out of the wind and better hear our presenter.

The much anticipated presentation by Ned, AA7A, about his DXpedition with the Intrepid DX Group lived up to expectations. Ned provided us with High Definition video and audio that showcased the harsh conditions experienced by the team during their voyage and landings on South Georgia (VP8SGI) and South Sandwich/Thule (VP8STI) Islands. The wind at our outdoor BBQ was a mild breeze compared to the 100 mph winds the team barely survived on both islands.

We marveled at the ability of the VP8 DXpedition team to overcome collapsing shelters, antennas repeatedly breaking, massive pileups of frantic DXers calling them, penguins and penguin poop everywhere, icebergs, blizzards, and rough seas. Congratulations to Ned and the Intrepid DX Group on their accomplishments.

The ham bands have been much calmer since the various DXpeditions from the first part of 2016 have all ended. The sunspot numbers have decreased along with the Solar Flux Index (SFI) that DXers regularly monitor. Once that SFI number dips below 100, we know that we are on the downslope of the current 11-year sunspot cycle and that means DX will be generally hard to find on the bands above 20 meters.

There is one unique phenomenon that we will experience in the coming weeks on the VHF bands – sporadic E. That is the result of ionized clouds in the E layer that can reflect signals on 6 meters and some of the other ham bands in May and June. Last year we saw common 6m openings into Texas and the Plains states on one hop and occasionally saw openings into the east coast states on two hops. On Father's Day morning last year, there was a rare multi-hop E opening all the way to Europe! When the sporadic E conditions are there, it takes very little power to make contacts across the country.

Continued Next Column



A couple of our members, K8BN and W7USA, have been working on refurbishing the CADXA 2-meter repeater, K5VT/R, on 147.32 (+) (no PL tone). It is located in central Phoenix and needs an antenna with gain to expand its coverage throughout the Valley. Once the antenna work is completed, we are planning to have a weekly net at 0200Z (7:00 p.m. local time) on the Thursday nights when there is no club meeting. Stay tuned for more information.

ADAW

R.J. CARLI ENGINEERING CORP			
ELECTRICAL CONSULTING	MECHANICAL CONSULTING	7311 E. STETSON DRIVE SCOTTSDALE, ARIZONA 85251	
PLUMBING CONSULTING	ELECTRICAL CONSULTING	RAYMOND J. CARLI, P.E. ELECTRICAL ENGINEER W7GNE	
		(480) 941-8810 (OFF.) (480) 945-7020 (FAX)	
<p>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.</p>			



CHAPTER 16
BARRY M. GOLDWATER ARIZONA CHAPTER

No Report Received

ADAW

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 W0SLL at 623.337.0040 or 623.215.2226.

Twelve candidates were examined at the April 4th session with eight Technician Class, three General Class and one Extra Class license being earned.

DeVry University Test Sessions

The next exam session is Saturday, June 4, 2016. 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 your Amateur License (if you have one) and any CSCEs, a pen and a pencil. Exam fee is \$15 - exact fee, examiners cannot make change. An additional fee applies for a retest of any element and is at the option of the VE's.

Ten candidates were examined at the May 7th session at DeVry with seven Technician Class, two General Class, and one Extra Class license being earned.

Administering VEs were:

David Morrill N7TWT Liaison, Daniel Ford K2LH, Bill Martin AI0D, Harry Scholz AF7UT, and Paul Jorgenson KE7HR.



The yearly meeting of the Mingus Mountain Repeater group took place on May 7, and with it, the very enjoyable potluck picnic. Seventy-six members and guests attended, an all-time record count for attendance at this yearly event. It is obvious that the attendees included individuals who are skilled in the culinary arts. The food was delicious! So was the popcorn made by Tomy Ivan, KF7GC, and his wife Debbie. Our host and hostess, Bob Sitterley, K7POF, and Linda Sitterley, W7POF, did an excellent job of organizing the event, and we thank them for the tremendous effort they exerted to make this an unforgettable day. They were assisted by Bob's daughter and her family, and other helpful friends. During the meeting, many prizes were won by the participants. Jim, N7DHz, of the DX store, generously donated several prizes including a Comet antenna and several \$25 gift certificates. Other prizes given out at the picnic/meeting included five club memberships and numerous grab bags filled with goodies. The 50-50 prize money won by Don, N7NGK, was generously donated back to the club treasury by Don.

This annual get together offers us a chance to renew acquaintances. Members are regularly informed about the MMRG through the newsletter circulated by President Sitterley, but this reunion of friends is a treasured event we look forward to, a chance to meet the entire families of people we talk to on the air, as well as an afternoon to share recent amateur radio experiences. "How's the DX?" "Is the new antenna working out?" "Can you tell me how to get the new hand held working?" "Did you know that Bob Sitterley's grandson surprised Bob by getting a radio call sign, K9POF?"

ADAW

Need Computer Help?

Computer consultant: in-home tutoring, problem solving, hardware and software installations, virus detection and removal. I am Patient and professional with 30 plus years in the computer field.

Call Larry, KE7JXQ

L.E. Purchase Computer Consultants, Inc.

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

Hamfest Calendar

4 June 2016 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club will be held in the Show Low City Hall parking lot, 180 N 9th Street in Show Low. Hours are 6:00 AM to Noon. Overnight RV camping permitted after 5:30 PM Friday. Tailgaters \$5.00 per space. VE testing at 9:00 AM. Prizes. Refreshments Available. Contact K-K at 480.586.6303 (email: kb9si@yahoo.com) for more information.

10-11 June 2016 - **Prescott Hamfest** - hosted by the Eagle Amateur Radio Club and the Yavapai Amateur Radio Club will be held on the campus of Embry Riddle Aeronautical University, 3700 Willow Creek Road in Prescott. General Admission \$5.00 for both days. ERAU Students with ID, Commercial Vendors and Information Booth/Tables Free Admission. Tailgate Swap \$10.00 per space for both days. Consignment Sales, Transmitter Hunt, Seminars and more. VE Testing and DXCC Card Checking will be available. Food Trucks will be on grounds. Sorry, NO RV Camping on Campus. Visit the web site at <http://www.w7yrc.org/prescott-hamfest> for details. Contact Chuck Zappalo, KE7SA at czappala@cableone.net or Bill Noe, W7PVA at w7pva@arrl.net for more information

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- (PI 136.5) & 145.210- (PI 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.

Continued Next Column

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	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
Yarnell Fire District Memorial Run	Prescott	06/04/16
15 Operators Needed from 6:30 a.m. to 10:30 a.m. MST		

Contact Doug Jarmuth, N0DAJ at 928.685.3328 (H) or 928.231.2616 (C) or email n0daj1950@gmail.com

Hamfest Calendar Continued from Previous Column

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



Emergency Communications Since 1961

SHORT SKIP

ARRL Field Day 2016

On May 5th, the long awaited announcement flew through the internet and arrived at anxiously watched email in boxes across the West Valley. The site for the Club's Field Day had been chosen!!

So, in the wee hours of Saturday, June 25th, dedicated Club Members will leap out of their beds, eat a quick breakfast, load their radios and coax, say good-bye to their significant other (or put them in the car) and head for Beardsley Park in Sun City West to set up for the Club's Field Day. Arriving at 7:00 a.m., set up will begin at two cabanas near the north parking lot and by 11:00 a.m. on June 25th, the generator will spring to life and the airwaves will fill with "CQ FD de W7V."

For the next 24 hours (until 11:00 a.m. Sunday morning, the 26th) we will separate the "men from the boys" and have a lot of fun.

Food will be provided, although you can bring your own. Food donations will be graciously accepted.

Anyone, Club Member or not, can participate on either or both days. If you hanker to be an operator, set-up person, cook etc., contact Ray Thompson at ray42day@aol.com. He'll be glad to hear from you.

Plan on stopping by at the SW corner of 128th and Beardsley Avenues in Sun City West and join in on the Field Day fun. We'd love to see you.

Richard W7MDQ

New Members

Quinton Aquino
Charles Drewe KD6ORL
Vicky Jenkins
David Hill
Dylan Rasbach
Lillian Roberts AC6AL
Missael Velazquez

Gladwin Bock KB9QFP
Tim Hallier N1FAE
Jeffrey Johnson
Bryce Miller
Lee Reay
Keith Smith
Dan Werkau KI7CDK

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: "Journey to the Edge" the VP8 DXpedition (June), "Fun of CW Operating (August), and Software Defined Radio project (Sept).

YARC and the Eagle Amateur Radio Club of Embry-Riddle Aeronautical University will host the Prescott Hamfest 2016. The event will be on the campus of ERAU in Prescott, AZ. We look forward to seeing you on Friday afternoon and all day Saturday, June 10 and 11, 2016. General admission to the hamfest is only \$5.00. Noncommercial tailgate spaces are only \$10. The hamfest will include seminars for beginners, intermediate and advanced attendees. There will be an antenna contest, transmitter (fox) hunt, DXCC card checking, license exams, prizes, and much more. The seminar schedule is included in this issue of ADAW (see the flyers at the end). We are very excited about this event, and encourage you to attend.

YARC has begun a series of licensing classes for people interested in Ham radio. Currently, we are conducting a General Class license study, and a Technician class will follow shortly after. In addition, YARC offers "HamTestOnline" subscriptions.



Emergency Communications Class

Our next meeting is May 16th at Boswell hospital Juniper room at 7:00 p.m. We will go over fldigi. There will be an A/V presentations on fldigi and WinLink on handling emergency traffic.

73
Bob, KG7FIL

HAVE TRAILER WILL TRAVEL
Do you need a tower, large antenna, etc. transported?
Contact Marty - WB7X@cox.net

HAM RADIO OUTLET

14 STORE BUYING POWER!



FTDX5000MP Limited | 200W HF + 6M Transceiver

- Internal Power Supply • Two Totally Independent Receivers • Super Sharp "Roofing" Filters • High Performance Yaesu Custom-designed 32-bit Floating Point DSP • True Analog Meter Precision



FT-450D | 100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift **Call For Pricing!**



FTM-400DR | 2M/440 Mobile

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



FTDX3000 | 100W HF + 6M Transceiver

- 100 Watt HF/6 Meters • Large and wide color LCD display • High Speed Spectrum Scope built-in • 32 bit high speed DSP /Down Conversion 1st IF **Call For Low Pricing!**



FT-857D | Ultra Compact HF/VHF/UHF

- 100w HF/6M, 50W 2M, 20W UHF • DSP included • 32 color display • 200 memo • Detachable front panel (YSK-857 required) **Call For Our Low Price!**



FT1DR | 144/430 5W Digital Transceiver

- C4FM/FDMA • 1200/9600bps AX.25 APRS & GPS Recvr Built-in • Dual Band Operation w/Dual Receivers (V-V/U-V/V-U) • Wideband Receiver/AM Bar Antenna/Aircraft Receive • 1266 Memory Channels w/16 Char Alpha Tagging **Also Available in Silver!**



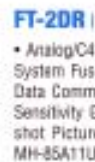
FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - 55B/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/4440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP • 160-6 meter high speed automatic antenna tuner



FT-2900R | Heavy-Duty 75W 2M FM Transceiver

- Massive heatsink guarantees 75 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



FT-2DR | C4FM/FM 144/430 MHz Txcr

- Analog/C4FM Dual Monitor (V-V/U-U/V-U) • System Fusion compatible • 1200/9600 APRS Data Communications • Integrated 66ch High Sensitivity GPS • Wide Band Receiver • Snapshot Picture Taking Capability With Optional MH-85A11U



VX-8DR | 50/144/220/440

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



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FTM-100DR | C4FM FDMA/FM 144/430 MHz Txcr

- Power Packed System Fusion Transceiver • High Audio Output Power • Rugged Powerful Transmitter • Integrated 66ch High Sensitivity GPS • 1200/9600 APRS Data Communications • Voice Guide and Recording Function *Optional FVS-2 Required • Digital Group Monitor (GM) Function • Digital Clock & Timer Functions



FT-60R | 2M/440 5W HT

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



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

YAESU
The radio

ANAHEIM, CA (800) 854-6046	OAKLAND, CA (877) 892-1745	SUNNYVALE, CA (877) 892-1749	PORTLAND, OR (800) 785-4267	PHOENIX, AZ (800) 559-7366	WOODBIDGE, VA (800) 444-4799	PLANO, TX (877) 456-8750
BURBANK, CA (877) 892-1748	SAN DIEGO, CA (877) 520-9623	NEW CASTLE, DE (800) 844-4476	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	SALEM, NH (800) 444-0047	ONLINE STORE WWW.HAMRADIO.COM

New Store!

*Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HFD 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, TX, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.