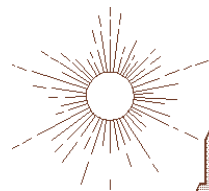


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 41, No 11 November 2016

CLUB MEETINGS SCHEDULE

QCWA
December
TBD
Cave Creek Area
11:00 AM

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

SuperstitionARC
Nov 15th
Charles K Luster Bldg
7:00 PM

ARA
Nov 21st
Denny's Restaurant - Tempe
7:30 PM

MARCA
Nov 15th
Denny's Restaurant - Tempe
6:30 PM

MARA
Nov 26th
Barrow's Pizza - Maricopa
9:00 AM

ANSR
Nov 21st
via Skype
7:30 PM

YARC
Nov 3rd
Mile High Middle School
7:00 PM

OVARC
Nov 18th
Ascension Lutheran Church
7:00 PM

ARCCC
TBD
American Red Cross Bldg
TBA

CLUB MEETINGS SCHEDULE

SARC
Nov 2nd
Scottsdale Senior Center
7:00 PM

AARC
Nov 10th
Red Cross Bldg. - Phx
7:30 PM

OPRC
Nov 9th
Marshall Conference Ctr
at Tucson Medical Ctr
7:15 PM

TBARC
Nov 17th
North Phoenix Campus
Northern Arizona University
7:00 PM

CARL
TBA
AZ Science Center
TBA

CADXA
Nov 3rd
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 147.78/18 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	
	Bill Kouchis	N9EIV	

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

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

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.

AZ RED CROSS COMMUNICATIONS CLUB

The Arizona Red Cross Communications Club meets at the Red Cross Building located at 4747 N 22nd Street in Phoenix. The group meets at emergency drills and at the call of the officers.

President	Frank Engstrom	KB7IQ	480.209.7300
Vice President	Larry Buchanan	AA0LB	623.703.9161

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016.



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	John Marshall	WA7BST	623.334.2583
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	Josh Babb	W3JB	801.358.1078
Vice President			
Secretary	Bob Beltz	KU4ZG	770.680.1204
Treasurer	Heather Canevit	KG7MUY	
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, AK7F	ak7f@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	lwoen@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.

ADAW

Real Estate

*Are you or someone you know looking for a Ham Home?
I can help you find a home with a tower or one where a
tower can be added. Call or email me to get started.*

*Richard Haworth W7MDQ
Coldwell Banker Residential Brokerage
602-370-1450 Cell, rahaworth@cox.net*

ADAW Staff

PUBLISHER/EDITOR

Christine Kesauer	N7PVL	602.843.0960
AARC EDITOR		
Lori Cripps	WA7EDI	602.955.7517
ANSR EDITOR		
Steve Miller	W6SDM	602.290.1603
ARA EDITOR		
Virgil Silhanek	K7VZ	623.850.1441
ARCCC EDITOR		
Mark Kesauer	N7KKQ	602.318.2920
CADXA EDITOR		
Lee Finkel	KY7M	ars-ky7m@cox.net
CARL 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 EDITOR		
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 WEB SITE	www.adaw.org	

ADAW



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

From The Editor's Desk



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER

If you have been an Amateur Radio Operator for 25 years or more, you are eligible to be a member of the Quarter Century Wireless Association. The Barry M Goldwater, Chapter 16, here in Arizona has four lunch meetings around the state each year with really good presentations.

Contact us at azqcwa@gmail.com for more information.

Tom Fagan K7DF
Arizona QCWA president

ADAW

Escapes RV Park in Congress. This is the third year for this up and coming event and each year gets better. The venue offers all the amenities an RVer could want - full hookups or dry camping - at a low cost. A luncheon and Arts and Crafts Show will be held at the Activity Center. The show is from 9:00 A.M. until 2:00 P.M.. So something for everyone! Put it on your calendar and plan to attend.

Next up is the Oro Valley Amateur Radio Club's Hamfest on November 12. This event is being held at the Marana Middle School on Grier Road once again. This is a great event that grows every year. Check it out.

As Thanksgiving draws near, I'd like to thank all our editors for their continued efforts in bring all our readers news and happenings from their clubs and around the state. It's not easy to write a column every month, and our editors excel at it!

Thanks also to our advertisers. Their support makes ADAW possible. We appreciate it.

Lastly - thank you to all of you - our readers. You are the reason ADAW exists. Without you, there would be no ADAW. Thank you for reading.

Have a wonderful and blessed Thanksgiving.

See "y'all" next month!



Chris, N7PVL

ADAW

The holidays are fast approaching. As I write this, Halloween is just a week away. Thanksgiving is following right on its heels, and before you know it, Christmas and New Year's Eve! Where has the year gone?! What makes matters worse, the demarcation between the holidays has blurred significantly and gets "blurrier" every year. So, Happy HalloThankMas!

We lost a dedicated colleague, George Cooney, KQ7C on October 9, 2016. George was very active in the Amateur Radio Community. He was a long-standing member of the Arizona Amateur Radio Club taking part in all the club activities. He also volunteered weekly at the Center for Amateur Radio Learning's (CARL) ham shack at the Arizona Science Center in downtown Phoenix which he helped to set up originally. He will be missed.

The 2016 ARRL Arizona State Convention / Copafest is now in the history books. Did you get a chance to attend? It was a great event. Check the Maricopa clubs column on page 17 for all the details. Watch for news on next year's event and plan to attend. You'll have a wonderful time!

ARCA (the Amateur Radio Council of Arizona) held its fall meeting at this year's State Convention/Copafest. Among the topics discussed was the number of hamfests being conducted in the state each year. Concerns were expressed that the proclivity of hamfests is actually hurting the events by reducing attendance, the number of vendors, and the revenue for each. Ideas were floated on ways clubs might join forces and hold a hamfest as a combined effort and sharing the proceeds.

Another topic of discussion was the future of the ARCA/Williams Hamfest. Due to the lack of participation and interest in the event, the summer hamfest is in jeopardy. The 2016 ARCA/Williams Hamfest report was presented and clearly demonstrated the event's decline. Further discussion will take place at the next meeting and a decision will need to be made.

Another call was placed for a host for the 2017 ARRL Arizona State Convention. A host needs to be selected by the December meeting. Any club that is interested should contact one of the board members or email arca@arca-az.org.

The next meeting of the Amateur Radio Council of Arizona will be held at 11:00 A.M. on December 3, 2016 at the Superstition SuperFest in Mesa at Mesa Community College. If you are the delegate or alternate for your club, please plan to attend to make your club's opinions and concerns heard. Visitors are welcome to attend as well.

There are three events scheduled for November. The Cochise Amateur Radio Club will hold its annual member swapmeet on November 5 at their club site on Moson Road in Sierra Vista. It is a small event, mostly for club members, but all are welcome to visit.

Also on November 5, the Hassayampa Amateur Radio Klub will hold their annual HARKFEST at the North Ranch

GOVERNOR DOUGLAS A. DUCEY

STATE OF ARIZONA
★
PROCLAMATION

WHEREAS, Amateur Radio has just begun its second century of connecting peoples, societies, and countries through friendships and shared ideas; and

WHEREAS, Amateur Radio Operators selflessly provide service to emergency response organizations, including the American Red Cross, The Salvation Army, the National Weather Service Sky Warn program, and municipal Community Emergency Response Teams (CERT). They provide service to local, state, and federal government agencies through Emergency Operation Centers (EOC), Amateur Radio Emergency Service (ARES), and Radio Amateur Civil Emergency Services (RACES); and

WHEREAS, these same individuals provide demonstrated value to the private sector by bringing free radio communication to protect public safety for groups including the March of Dimes, the Multiple Sclerosis Society, the Juvenile Diabetes Foundation, the Army Junior Reserve Officer Training Corps, and other worthy organizations for their charitable walk-a-thons, bicycle events, running events, and training exercises; and

WHEREAS, the American Radio Relay League (ARRL), the leading Amateur Radio organization in the United States, will hold its 2016 Arizona State Convention in Maricopa, Arizona, on October 21 – 22, where Amateur Radio Operators from all over the southwestern United States gather to socialize, share knowledge, and buy/sell equipment.

NOW, THEREFORE, I, Douglas A. Ducey, Governor of the State of Arizona, do hereby proclaim October 17 – 23, 2016 as

AMATEUR RADIO WEEK



IN WITNESS WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of Arizona

Douglas A. Ducey
GOVERNOR

DONE at the Capitol in Phoenix on this twentieth day of October in the year Two Thousand and Sixteen and of the Independence of the United States of America the Two Hundred and Forty-First.

ATTEST:

Michelle Reagan

SECRETARY OF STATE

License Testing Information

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

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

November Test Sessions

Nov 3rd - 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

Nov 5th - Hassayampa AR Klub -- 9:00 AM

Club House Park Entrance, 30625 Hwy 89, Congress

Contact - Charles Carter 316.651.7710

No Walk-Ins - Pre-Register

Nov 5th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa

Contact - Robert Bingham 480.404.1408

No Walk-Ins

Nov 5th - DeVry ARC & WVARC -- 9:00 AM

DeVry University, 2149 Dunlap Ave, Phoenix

Contact - David Morrill 623.680.5011

Nov 7th - AARC & WVARC -- 8:00 PM

St. Clement Church, 15800 N Del Webb Blvd, Sun City

Contact - Joseph Cutitta 623.215.2226

Nov 9th - Central Phoenix VE Team -- 6:30 PM

South Mountain Community College, 7050 S 24th St, Phoenix

Contact - Bill Martin 480.205.3625

No Walk-Ins - Limited Space - Please contact prior to exam.

Nov 10th - QCECG -- 7:00 PM

Queen Creek Town Hall, 22350 S Ellsworth Rd, Queen Creek

Contact - Dave Martin 520.560.6589

Nov 12th - ORO Valley ARC -- 10:00 AM

Marana Middle School, 11285 W Grier Rd, Marana

Oro Valley ARC Hamfest

Contact - Quinton Gleason qagleason@comcastnet

Nov 12th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa

Contact - Robert Bingham 480.404.1408

No Walk-Ins

Test Sessions Continued from Previous Column

Nov 12th - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott

Contact - Donald Bauer 928.775.4690

Nov 12th - 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

Nov 14th - Radio Society of Tucson -- 7:00 PM

Hardesty Mid-Town Police Bldg, 1100 S Alvernon, Tucson

Contact - Diane Zimmerman 520.664.5070

Nov 15th - Hassayampa AR Klub -- 9:00 AM

Club House Park Entrance, 30625 Hwy 89, Congress

Contact - Charles Carter 316.651.7710

No Walk-Ins - Pre-Register

Nov 15th - Boy Scout Troop 127 -- 8:00 PM

St Francis Xavier School, 4715 N Central Ave, Phoenix

Contact - John Kelly 602.264.6854

Nov 16th - Thunderbird ARC -- 6:00 PM

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix

Contact - James Skinnell 602.826.1949

No Walk-Ins

Nov 19th - W7GAA -- 10:00 AM

Suddenlink Community Ctr, 2380 3rd St, Bullhead City

Contact - Keith Bruecker 928.719.8433

Nov 19th - Unsponsored -- 10:00 AM

Kingman Middle School, 1969 Detroit Ave, Rm 310, Kingman

Contact - Daniel Miller 928.897.3883

Nov 19th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa

Contact - Robert Bingham 480.404.1408

No Walk-Ins

Nov 21st - East Valley VE Team -- 6:00 PM

City of Mesa Utilities, 640 N Mesa Dr, Mesa

Contact - Fred Bollinger 480.242.8606

Nov 22nd - P V Ham Study Group -- 6:30 PM

Trinity Lutheran Church, 3950 N Valorie Dr, Prescott Valley

Contact - J M Scherfling 928.632.2050

Nov 26th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa

Contact - Robert Bingham 480.404.1408

No Walk-Ins

Oct 26th - Arizona ARC -- 7:00 PM

American Red Cross, 4747 N 22nd St, Phoenix

Contact - Gary Hamman 602.996.8148

No Walk-Ins - Pre-Registration Required by Friday night

Continued Next Column



We had a great time at the Arizona QSO party on October 8 and 9. Although perhaps not as high as last year's total (we'll see when the final log gets submitted) we had a great time in the mountains and enjoyed the company as well as the DX. We even got the Czech Republic and Slovakia! Thanks again to Jack Lunsford, KD7RCJ for hosting us.

You can see from the pictures that our newly-outfitted trailer now holds our antennas and related equipment. Thanks to David Laird KG7NGE for doing the metalworking, and Alana Laird, KG7NGF for taking the pictures!

It's getting close to election time at Thunderbird Amateur Radio Club. By the time you read this, we should know who was nominated at the general meeting on October 20. The next step is to actually vote for the ones you want at the general meeting on November 17. See you there and make your voice heard. There's even a chance that there might be someone there that you actually want to vote for! Talk to our election committee (Israel Vicente AD7ND, Andy Dubbin K3WYC, and Walt Reinsert NJ8G) if you've got questions.

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 w7bc.org for directions. In November Roger Quinte KG7SWD will discuss DVAP Raspberry for DSTAR. Now it's not just ICOM making DSTAR gear - Kenwood's got into the act, along with the various other parties that have dongles and adapters. Find out more at the meeting!

Andrew Cornwall, KF7CCC, kf7ccc@arrl.net





WHAT HAVE YOU DONE FOR THE AARC?

When I look at the roster of the AARC I see 34 names. Almost every one of them brings pictures in my mind of what they have done for the AARC. There's no doubt that we are a group that works together and enjoys our interaction with each other in this hobby we love so much. If I miss you in this monologue, it's probably my fault for not having been at the right place at the right time, but the following is what I have observed. If you don't see Reinhard Geissler, DL1UF, operating CW then he's climbing a ladder! He is probably our most fearless climber. His XYL, Ingrid, W7ISG, probably takes the prize for tireless operating. On Field Day, Steve Tolnai, W7WSV, is usually the operator making the most contact points with his many hours on CW. John Kainrath, K7JHK, has also been known to operate many hours during past field days, and he has acted as net control on the 2-meter net quite often. We can thank John Adams, K6JWA for making it possible for members to have an AARC jacket. We can thank Steve Tolnai, W7WSV and Mark Kesauer, N7KKQ for the antennas that are on the roof of the American Red Cross Building, and Mark has made our very essential Echolink a tool we all have available. George Cooney, KQ7C had the original idea to use Echolink with a radio connection for our club net. We have provided this connection for many years. THANKS to both Mark and George.

A very hard working group that deserves special mention is the members who are on the spot during VE testing sessions: Joe Cutitta, W0SLL; Gary Hamman, K7GH; Verdamae Cuttta, KF7UJB; Lori Cripps, WA7EDI; Mike Zachary, KG7OSR.

The AARC could not run efficiently without the dedication of the officers. Gary Hamman, K7GH does an excellent job of planning and officiating at the meetings. Programs are interesting and valuable. The treasurer, Bob Hodges, efficiently manages our cash and keeps the membership records and roster in order. Mike Zachary, KG7OSR, our hard-working secretary, keeps our minutes and handles correspondence. And, Lori Cripps, WA7EDI as activities manager—what do I do besides provide coffee and refreshments for the meetings? I manage club activities and co-ordinate with Chris, writing articles for ADAW about the AARC.

AARC Continued from Previous Column

Special thanks must go to Lee Walters, W7UXZ. Lee's repeater keeps us in touch with each other every Thursday night via our weekly net on two meters. Join us on 147.060 on Thursdays at 7:30 P.M. We're also grateful to Bob Sitterley, K7POF, for maintaining the MMRG repeater in Phoenix with valley wide coverage, and to Linda Sitterley, his XYL, for her support of Bob.

The AARC April hamfest has always been successful due to the co-operation of our members. Jerry Weikert, WB7CLL has been our expert regarding setting up the cumbersome main tent, and Earl Woody, KD7ZXU is a great help at taking it down and helping during the hamfest. Larry Penrod, AC7FC; James Haveron, KA7UND; Bob Hodges, K7JJT, and others, have mastered the art of selling tickets at that event, and Ken Peloquin, N7PHO, with his booming voice, has sold a LOT of pop, coffee, and doughnuts at the hamfest concession with the help of Rosemary Kydd, N7PLN; Lori Cripps, WA7EDI (me), and this last year a very welcome addition, Sandy Tolnai, XYL of Steve Tolnai. Mark Kesauer, N7KKQ has set up a PA system for the hamfest each year which has been an indispensable help.

Members who present programs are especially appreciated. The last meeting featured a program by Roger Newey, K7GXB who told of his extensive trip to the northeast end of the continent.

The AARC breakfast at Denny's Restaurant on Camelback Road and 7th Street each 4th Saturday of the month at 7:30 A.M. has become a popular event. Bob Robb, KB7ZAB, and Paul Sharkey, AE7UH are frequent attendees, as well as Gary Hamman, K7GH; Lori Cripps, WA7EDI; Joe Cutitta, W0SLL; John Adams, K6JWA; Larry Penrod, AC7FC and John Collings, KI7CXM. Why don't you join us!

Above all, we very much appreciate Chris Kesauer, N7PVL who tells the world about all the great things AARC does. Her monthly ADAW is a publication we all look forward to. Both the photo coverage and the informative columns keep us in touch with other organizations, upcoming activities, and even our AARC events.

If you are not among the members listed who have certainly done their share for the AARC, your opportunity to do so is just around the corner on November 12, when we will be operating several stations during the National Parks on the Air year. We will be at the Saguaro National Park, and we hope to see you there to operate along with us for this special event!

73,
Lori Cripps, WA7EDI

ADAW

Continued Next Column

George Robert Cooney



Cooney, George Robert passed away on October 9, 2016. He was born in Los Angeles, CA on November 18th, 1930 and moved to AZ in 1964. He served in the US Navy during the Korean War (1950-1954). He worked for Sperry Computers Systems as a Technical Manager for 28 years. He was a volunteer at the AZ Science Center, the American Red Cross, Central

Chapter in the Communications Department and served as a Volunteer Licensed Examiner in the FCC Licensing Program for 19 years. His hobbies included amateur radio, golf, tennis and computers. He is survived by his loving wife of 49 years, son Paul Robert Cooney, two daughters, Vicki Godwin and Sandy Walker and many grandchildren and great-grandchildren. He will live in our hearts forever. A Visitation will be held from 9:00 - 10:00 A.M., Monday, October 17, 2016 at St. Francis Xavier Catholic Church, 4715 N. Central Avenue, Phoenix. Funeral Mass will be celebrated at 10:00 A.M., followed by a reception. Burial will take place at St. Francis Catholic Cemetery. In lieu of flowers George requested donations be made in his memory to: TV Mass Diocese of Phoenix, 400 E. Monroe Street, Phoenix, AZ 85004. Arrangements entrusted to Whitney & Murphy Funeral Home.

Published in The Arizona Republic on Oct. 12, 2016

AARC club member George Cooney, KQ7C, became a silent key at about 11 AM, Sunday, October 9, 2016. Services for George were planned for Monday, October 17, at St. Francis Xavier Church on Central Avenue just south of Camelback.

George has been an active member of the Arizona Amateur Radio Club for many years. He had many good ideas and helped implement many of them. We will miss George. Even though he's been unable to attend our meetings and events for the last couple of years, he has kept in touch by our Thursday evening net and by telephone.

Things KQ7C Did for AARC:

- Helped KF7GC put on first AARC Hamfest
- Arranged for DeVry site of hamfest
- Instituted weekly Friday morning breakfasts
- Started AARC VE test sessions
- Re-established the Thursday night club net
- Started playing Bingo at Christmas parties
- Bought and mounted generator on club trailer
- Made a cover for the generator
- Made tripod stand to hold mast for FD
- Implemented Echolink on club net

Lori Cripps, WA7EDI

George Robert Cooney, KQ7C

Eulogy by Gary Hamman, K7GH

Born: November 18, 1930 in Los Angeles. Grew up in Los Angeles, moved to Arizona in 1964. Graduated to heaven October 9, 2016.

Survived by his loving wife of 49 years, Rosemary, son Paul Cooney, and daughters Vicki Godwin and Sandy Walker, and many grandchildren.

Navy: 1950 to 1954, Korean War. Stationed in the Aleutians in Alaska where he sent and received messages and the daily newspaper in Morse Code at about 40 words per minute.

He was a technical manager/field engineer for Sperry Computer Systems where he installed and maintained main frame computer systems for 28 years.

George had several hobbies – golf, tennis, water skiing, RVing, desktop computers and amateur radio. During the latter part of his life it was amateur radio. He earned his FCC license in about 1978. He joined the Arizona Amateur Radio Club in Phoenix in about 1991 which is where I met him. He was an active member ever since then including holding several offices in the club and being the editor of the club newsletter a few years. He made many contributions to the club: Initiated Volunteer Examination sessions to test candidates for an FCC license, activated a weekly radio net for members, implemented connecting a computer internet connection to the radio for the weekly net using a system called Echolink so members outside of the radio's coverage area of the valley could participate, helped organize a swap meet in 1993 that has happened every April since then, invited club members to join him and Rosemary for breakfast at Country Boys every Friday, built many items used every year on an event called Field Day. Field Day is a national event held in late June where groups go out in the field to set up portable stations running on generators or batteries and make as many contacts as possible during the 24 hour operating period. We did this for many years on Mingus Mountain but in recent years have operated from the Red Cross Emergency Operating Center. He used his bow and arrow to help get support lines for antennas over tree limbs, light poles, etc, to hold up our wire antennas. George also volunteered weekly at the Arizona Science Center where there is a permanent amateur radio exhibit that he helped set up. He also was a Red Cross volunteer since the radio club has been associated with the Red Cross for many years to help provide communications for them during emergencies or exercises.

To me, one of George's exceptional qualities was that he always wanted to help anybody that needed it. He wanted to help others to be able to do and enjoy the same things he did.

George and Rosemary attended mass here for many years. When they became unable to come, they always watched a service on TV.

We are certainly going to miss George.

Dit dit dit dah dit dah (signing off)

ADAW



November Meeting Elections

In November the Board of Directors is up for election, and we will be casting ballots. We will also be discussing final preparations for the December 3 Hamfest. This is enough to keep us busy, so we have bumped the annual Junque Auction into January.

Don't let this meeting slip by! The date is Tuesday, November 15 and if you're looking at the paper calendar on the wall, you're apt to think the meeting is next week. It is not!

It was nearly a year ago that the City of Mesa renamed the office at 640 North Mesa Drive in honor of its longtime City Manager, Charles K. Luster, who served in that position from 1979 for 21 years until his retirement. Meeting is 7:00 P.M..

DriveTime Net Control: Wrong Dan

Let's take another swing at this pitch: Last month I listed Dan, W7TWR as Net Control for Tuesday morning's DriveTime Net. That was news to him. I mean, I check the obituary pages for my name and all, and so far I haven't found it, but Dan found out in the paper that he was doing this morning net.

Actually, it is Michigan State University's Dan, KC7MSU, who runs the Tuesday morning net every week at 7:00 A.M..

Speaking of the DriveTime, last Thursday (as I write this) I had a weak turnout at 7:00 A.M., so I ran Wednesday's Amateur Radio Newslines and then started the net again at 7:30. It ran a full hour with some active participation. Thursdays do have people attending Black Bear Diner for breakfast, so maybe Thursdays might work out better this way on occasion!

We are short on net control staff and you are urged to give it a whirl. Please contact Dave, K7AV@arrl.net. We're always asking questions and you have to be on your toes to earn a pink unicorn, a special kind of flying carpet or a rubber radio check, to name a few of the prizes offered for the correct answer by the different net-control operators.

A New Twist at the September Meeting

The Hamfest committee did something in the September meeting to boost ticket sales for the hamfest. JD, KF7VOX donated a communications speaker to be won by one of the night's ticket buyers in a random draw. These speakers are made in Japan, he said, adding that current production is now coming from China. JD promised a repeat come the October

Continued Next Column

meeting, which will likely be behind us as this goes to publication.

Assistance in Installing a Grounding System

In October, Matt, KF7RM was helped out by a couple of guys putting in a grounding system. Andy, KD4ABB, who works for the power company by day, is a master when it comes to solid electrical grounding systems. He and Dan, W7TWR participated in Matt's project.

H.R.1301 - Amateur Radio Parity Act of 2016 Passes the House, Awaiting Senate Action

The Amateur Radio Parity Act has passed the House, and has reached the Senate, according to congress.gov, on September 13, 2016.

Please contact your Senators to ask them to support passage of the bill onto the President for his signature. The Senate resumes action on Capitol Hill in the second week of November.

The Amateur Radio Parity Act if passed by the Senate and signed by the President, will direct the FCC to extend its PRB1 call for reasonable accommodations in city and state zoning ordinances to include private agreements known as deed restrictions often governed by homeowners' associations.



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.superstitionsuperfest.org for the latest information.

Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Heart of Arizona	Congress	11/05/16
JROTC First Water		11/05/16
	First Water North of Apache Junction	
MS Walk on the Wildside	Phoenix Zoo/Papago Park	11/05/16
Walk for the Cure ADA		11/05/16
	Central & Bethany Home in N Phoenix	
Phoenix Half Marathon	Downtown Phoenix	11/06/16
Xterra San Tan Trail Run	San Tan Park	11/06/16
Fiesta Bowl Half Marathon	Scottsdale Civic Center	12/11/16
Xterra - Whit Tanks	Waddell	01/08/17
Prickly Pedal	Cave Creek - Lake Pleasant	01/21-22/17
JOTC First Water		01/28/17
	First Water North of Apache Junction	
Runner's Den Pancake Run	E Phoenix	02/05/17
	Paradise Valley Mall	
Black Canyon 100K		02/18/17
	Spring Valley to Emery Henderson Trailhead	
Lost Dutchman Marathon	Apache Junction	02/19/17
JROTC Lake Pleasant	West of Lake Pleasant	02/25/17
Xterra Black Canyon Trail Run		03/05/17
	Black Canyon City	
Mesquite Canyon	Waddell	03/18/17
Crown King Scramble	Lake Pleasant - Crown King	04/01/17
El Tour de Mesa	In and Around Mesa	04/01/17
March of Dimes for Babies		04/08/17
	Wesley-Bolin Plaza, Downtown Phoenix	

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.

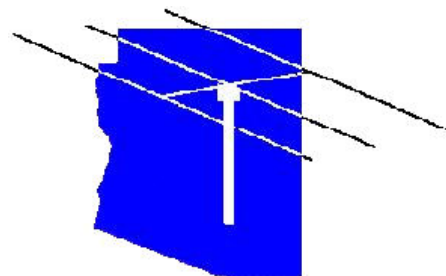
ADAW

Want Ads

WANTED:

I am looking to purchase an alinco DJ-G29T 222/900 MHz Dual-Band HT. If you have one to sell, please contact:

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



MARCA INC.

No Report Received. ed

ADAW

For Sale

Partly Restored Vintage Tube-type Transmitter - \$485
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. Contact: Ray, W7GNE @ 480-540-4629.

A-4 Antenna For Sale - \$450

This is an older model that does not have the stainless steel hose clamps on the elements. It is the same size and has the same features as the modern A-4S. The mast mount plate is new, and some of the elements have been replaced with stock A-4S parts. The antenna is stock - does 10, 15, & 20 meters. It does not have the 40 meter add on. It is boxed and ready to go now. Contact: Bob Howard, W8RH at 520.709.6176 voice/text or email w8rh@live.com.

Ham QTH For Sale: 1800 sq. ft. 3 BR, 2BA house with separate HAM shack inside, includes fully permitted 55ft crank up tower, cables etc. Nice quiet SW Mesa area. No HOA or CCR. Available February 2017. For further info, contact Al (W7XA) by email at: W7XA.al@gmail.com

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.



Basic DXing, Part II - DX Awards

by Larry Loen, WO7R

Last month, we gave you the basics on how to contact DX stations – distant stations. Here, we'll discuss the major awards available to anyone interested in "the chase."

First off, you don't have to chase awards at all to chase DX. You can enjoy working distant stations on your own terms. A friend of mine, who has many fine DXing accomplishments, is like this. He simply says "I know who I worked." But, most DXers – those who chase DX – are interested in obtaining major awards. It's always nice to have someone else agree that you did what you said you did and have a pretty piece of paper or a plaque to show for it.

An award can also be a huge motivator for improvement – to build a better station, to improve your operating technique, to learn more about antennas. And much more.

You should also know that awards come in increasing degrees of difficulty. Many are really out of reach of a beginner. Know about them, but don't expect to get them anytime soon. Focus on what's achievable – and fun. There's plenty you can achieve right at the start with a reasonable amount of effort and time.

DX Century Club (DXCC) – Your first DX award

The most popular award program, by far, is the ARRL's DXCC program. You've probably heard about it. The basic award is very simple: Work 100 "countries" (officially called "entities") as defined by the ARRL, and you get the award. For a beginner, this is really all that needs to be discussed. There are higher levels of achievement than the basic 100, but if you're starting out, don't worry about those. There's plenty of time to learn about all of that. At CADXA, we can Elmer you on such things. Now, it's been long recognized that a true "country," as defined by the UN, was too restrictive. So, places like Hawaii, Wales, and most Caribbean Islands count on their own, no matter what "country" they are part of for UN purposes. So, currently, there are 339 total "entities" available to work. About 250 of them are available each and every year. So, 100 is achievable, with effort, with a modest station and no real DXing experience.

CADXA Continued from Previous Column

Worked All Continents (WAC) – A very basic, easy award

Sponsored by the IARU (the International Amateur Radio Union), WAC is perhaps the easiest DXing award of them all. Many who qualify don't bother to apply, in fact. But, it's a great way to get your feet wet in DXing. In earlier times, WAC was a substantial accomplishment. With today's rigs and modern understanding of DX, even a beginner might get this award in a single weekend. Simply work and confirm a station in North America, South America, Europe, Africa, Asia, and Oceania (Australia plus many Pacific Islands). In practical terms, you can work (for instance) Hawaii, Japan, Brazil, somewhere in the US, Germany (or France or UK) and the Canary Islands (counts for Africa) and you're done. All very common countries that are available almost every weekend, especially in major contests.

Worked All Zones – A little more difficult award

Also popular is an award known as "Worked All Zones" (WAZ). Long ago, the world was somewhat arbitrarily divided into 40 zones. Work "somebody" in all forty and you can get the basic WAZ award. The reason it can actually be harder to get than a basic DXCC is that you have to work someone in every zone. That means your signal must find "someone" in places as diverse as India, East Africa, Southeast Asia, Argentina, and all over the Russian Federation. This is still possible with a modest HF station, but it is a bigger challenge. Meanwhile, you can reach 100 entities pretty much in just Europe and the Caribbean, which are reasonably close in HF radio terms.

Islands on the Air (IOTA)

There are a thousand of oceanic islands defined that you can work. These can be anywhere from easy to hard. But, if you can manage a WAZ, you can probably run up a good score on IOTA even without a big station. The basic award, once again, is only one hundred island groups and is quite doable for a beginner.

Just so you know . . . there are awards that nobody expects to get in a year or two. These are measured in decades for pretty much everyone and are really designed, as a practical matter, to be that hard: 5BWAZ, DXCC Honor Roll, DXCC #1 Honor Roll. A slightly easier award is 5BDXCC. You can learn about these anywhere on the 'net, and decide if you want to eventually get them. But as a beginner, I would say it almost doesn't matter. Focus on what's achievable and fun and worry about this stuff later. Just about everything you achieve to "have fun" will later on be useful if you decide you want to go after these.

Continued Next Column

Continued Next Page

Old Pueblo Radio Club INTERMOD

President's Column

No Report Received.



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

Our BIG event is almost here. The Oro Valley Amateur Radio Club's hamfest is on schedule for November 12 in Marana. This is our biggest event and one that draws many hams in Southern Arizona. Since Marana is located several miles north of Tucson, we are hoping that many hams from Metro-Phoenix will venture down for a few hours. We'll have a large swap meet, frequent raffles throughout the event, a number of seminars inside the school and lots of prizes. See the flyer here in this newsletter or go to www.tucsonhamradio.org for more details. We are looking forward to seeing everyone there.

The Oro Valley Amateur Radio Club participated in the Arizona QSO Party this weekend. Hosted by our very own "Contester de Excellence," W8TK, we had a regular schedule of member-operators who put in many hours. Unfortunately the weather did not help us. We had a number of passing thunderstorms that went through the area about sundown which took us off the air for several hours. Not only did we put a number of points on the board, but we all had a great time. THANKS TOM!

CADXA Continued from Previous Page

Lesser Awards

Lesser only in terms of popularity, there's all kinds of awards you can chase. You can chase Canadian Provinces, Japanese Prefectures, Russian Oblasts, and much more. Just look around and you'll see many, many awards, some quite achievable for a beginner, that can be done just for the fun of it. This is, of course, the real point of achieving any DX award – the fun matters, in the end, more than the piece of paper.

What's Next?

Once you start accumulating DX contacts, and once you decide you want awards, you have to somehow "confirm" those contacts. Then, you take or send the "confirmation" to someone who administers the award to get credit. That topic is known as QSLing and we will cover this next time.

In the meantime, the first two topics in Basic DXing are also covered here: <http://www.cadxa.org/getting-started-in-dxing.html>.

November CADXA Meeting Announcement





Please join us at 7:00 p.m. on Thursday night, October 6th, at the PERA Club for a presentation by Bill Maynard, W7ZT, on using the Buddypole and other small antennas for DXing on vacation or to work DX from an antenna-restricted QTH.

Please check the CADXA website for more information and directions.

ADAW



R.J. CARLI ENGINEERING CORP

		<p>7311 E. STETSON DRIVE SCOTTSDALE, ARIZONA 85251</p>
		<p>RAYMOND J. CARLI, P.E. ELECTRICAL ENGINEER W7GNE</p> <p>(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.

Hamfest Calendar

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, 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.

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 4:00 PM. Vendor set up beginning at 6:00 AM. Admission \$5.00 per person, 12 years and under free. (Each paid admission includes one door prize ticket.) Tailgate - \$10.00 per space. Grand Prizes (tickets \$2 ea), Hourly Prizes (tickets \$1 ea). VE Testing, ARRL Card Checking, K7A Special Event Station, GOTA Station, Fox Hunts, Great Food and Drinks, and Live Music by John J. KD8PC. For more information, visit the web site at superstitutionsuperfest.org.

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 PI or 446.150 -5 MHz, 100 PI. Email hamfest@w7tbc.org for more details. Sorry - this is a church/school property - no firearms, alcohol or drugs are permitted.

17 - 18 February 2017 - **2017 Arizona Section Convention/ Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd St in Yuma. Hours are Noon - 5:00 PM Friday and 8:00 AM - 5:00 PM Saturday. Gates open Thursday, 16 February, at 2:00 PM for camping. Admission \$5.00 per person. Talk-In frequency - 146.840 (-) PI 88.5 Hz. Check web site at www.yumahamfest.org for full details. Email contact: info@yumahamfest.org.

18 March 2017 - **SpringFest** - hosted by the Scottsdale Amateur Radio Club will be held at the Mountain Valley Community Church, 17800 North Perimeter Drive in Scottsdale. Hours are 6:00 AM until 12:00 noon. Overnight RVs are welcome. Refreshments, VE Testing, Tailgating and more.

25 March 2017 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held in the north parking lot of the Target store, 9615 E Old Spanish Trail in Tucson. Hours are 7:00 AM until 11:00 AM. Set up starts at 6:00 AM. Free Admission and parking. Vendor/seller spaces - \$10 per space. Prizes, VE Testing, GOTA Station, ARRL Card Checking and Snacks. For map and information, visit the website at <http://www.k7rst.org>.

9 - 10 June 2017 - **Prescott Hamfest** - hosted by the Eagle Amateur Radio Club at ERAU and the Yavapai Amateur Radio Club will be held at Embry Riddle Aeronautical University, 3700 Willow Creek Road in Prescott. Hours are Noon to 4:00 PM on Friday, June 9, for Seminars and Commercial Vendors Only and 7:00 AM to Noon Saturday, June 10, for Tailgating and Commercial Vendors. Saturday Seminars will be held from 1:00 PM until 3:00 PM. VE testing will be available from 4:30 - 6:30 PM on Friday, June 9. Free Admission on Friday. General Admission on Saturday is \$5.00 (free for ERAU Students with ID) Saturday Tailgating - \$10 for one (1) parking lot space (\$5 for each additional). Inside Commercial Vendors - \$20 for 1st table, \$10 each additional. Club Information Booths - Free. Talk-In: 146.880 MHz (-) PL 100 Hz. Check website at www.prescotthamfest.com for updates. Hamfest contact: Frank Bender, K8FB-k8fb@arrl.net. Sorry - No Guns, Drugs, Alcohol, Smoking, Vaping, Fireworks or Pets per ERAU.





Copafest 2016 a Success

For the first time ever, the Maricopa Amateur Radio Association played host to the American Radio Relay League (ARRL) Arizona State Convention this Friday and Saturday at the UltraStar Multi-entertainment Center at Ak-Chin Circle.

Copafest 2016, this is a gathering of ham radio operators from all over the state. While Copafest did take place last year as well, this is the first year Maricopa hosted the ARRL Arizona State Convention. A proclamation was signed by Arizona Governor Doug Ducey and Secretary of State Michele Reagan designating the week of October 21-22 Amateur Radio Week. See page 7.

In newspaper articles posted locally before the event, we explained that ARRL is the national association for amateur radio, connecting hams around the U.S. with news, information and resources. Founded in 1914, ARRL is a noncommercial and nonprofit organization of radio amateurs, the largest in the country. We discovered after the event that the story had been picked up by the Associated Press and was published across the country in newspapers like the Washington Times.

Copafest was free and open to the public. This brought on interest from the local community and many non-ham radio attendees were present and showed an interest in the event. The only paid activity was a BBQ dinner on Friday is the only paid activity during the two-day event.

The Maricopa Amateur Radio Association has 65 active members. As far as planning the hamfest, a committee of about eight members did most of the heavy lifting. Once it was time for the event, many of the members turned out as volunteers for security, raffle ticket sales, booth manning, ticket taking, and all of the other things that are required to make a hamfest work.

In addition to a number of vendor exhibits from radio, electronics, and technology manufacturers, Copafest activities included VE licensing exams and QSL card checking. Of course, the outdoor swap meet draws hams from everywhere looking for that “must have” boat anchor or rare electronic component. Technical seminars with guest speakers on various aspects of ham radio, including antenna tower climbing and ground crew safety, also took place in the Elements meeting rooms on Saturday.

For those not interested in ham radio, UltraStar venues included cinema, bowling lanes, restaurants, a game room and laser tag. Having a great hotel and casino right next door was also a great help for those staying overnight.

A surprise visit from Fred Lloyd, AA7BQ, who managed to navigate the “Zed” into several parking spots near the swap meet, was a real pleasure. Fred’s legacy in amateur radio is QRZ.com, something that every radio amateur radio operator uses from time to time. DXers and Contesters use it extensively and probably couldn’t live without it. Those of us who were around when the

MARA Continued from Previous Column

only way of looking up a call was the Callbook appreciate the ease and convenience of QRZ.com.

Another big draw to Copafest was the high altitude balloon launch by Arizona Near Space Research. I will be talking about that in the ANSR entry in this issue, but we can say that it was an exciting and educational event. The launch had to be moved down to Interstate 8 for safety reasons, but it was live streamed to the Jumbotron monitor on the side of the UltraStar, so everyone got to see the flight in progress.

Since there were considerable expenses to be paid in advance, there was a lot of concern over whether we would make money, break even, or go into debt over Copafest. Much of our revenue, which came from raffle tickets and vendor/tailgater parking ticket sales, didn’t show up until the day of the event.

As it turned out, we appear to have made a small profit. While we are still tallying up expenses and revenue, it looks like we can breathe a sigh of relief. The MARA Board of Directors and the Copafest Planning Committee are going to meet soon to go over what went right and what didn’t. We are also committed to working with ARCA to help develop best practices for future hamfests based upon our experience.

Oh, and those of us who have been laboring over the details of Copafest 2016 for the last couple of months, well ... It’s time to kick back and enjoy the great afternoon propagation on twenty meters. See you there.

by Steve Miller



Continued Next Column



CALICHE CAPER - September 17, 2016

A yearly event at the QTH of K7POF and W7POF is affectionately named CALICHE CAPER, CALICHE for the location and CAPER?? You guess it! Some 120 exuberant ham operators/spouses/guests spent the day at the Sitterleys' event, and thus it was a caper! This is Bob and Linda's invitation-only picnic. As usual the food was EXCELLENT. Thanks to the culinary talents of the ladies (and who knows, maybe even some of the chef hams) the feast was delicious and full of variety. Take a look at the photos!!

The Sitterleys are blessed with expert help from relatives, Pat & Robbin. This year Bob, WB7RRQ, assisted the regular cook, Ernie, K7IOG, cooking the burgers, bratwurst, and hot dogs. Others joined right in with the dinner chores, and I noticed that a few of the potluck cooks graciously provided recipes for their masterpiece contributions. Thanks!!

The food was great, but the camaraderie at the Mingus Mountain Repeater Group area was, as usual, very special. Although we don't meet OFFICIALLY on a regular basis, MMRG members keep in touch through radio communications, and K7POF regularly creates a newsletter which is full of news and light-hearted comments. The Caliche Caper and the annual May MMRG Picnic are the special events that bring us together as a group.

73,
Lori, WA7EDI



The chefs at work

Lots of delicious food and desserts!



*MMRG President & Host
Bob Sitterley, K7POF*

CALICHE CAPER September 17, 2016



Caliche Caper guests enjoying being together

Arizona Red Cross Communications Club



A celebratory meeting of similar calls

The beginning of fall marks the busy season for the Club. We're working on getting equipment repaired and maintained for the drills and exercises we participate in. Also, the summer sun and storms play havoc with the antennas on the Red Cross roof, so it's a constant battle to keep everything operational (and upright). Our thanks go to a dedicated core of volunteers from the AARC club who help us in keeping us on the air.

After a few false starts, we finally have our repeater working reliably. Frank managed to snag us a new duplexer and get it tuned. (Our old one was causing most of the problems.) As for the future ... Improvements and upgrades will happen as time and money permits. Our next project is to install a new antenna – that might occur before you even read this!

Occasionally, we have the Echolink node running on the repeater. We're working to find the system a 24/7 permanent home. In the meantime, if you see it operational, check it out – K7ARC-R. If you hear a remote user accessing it, give them a QSO!

We're teaming up with the AARC club to participate in the NPOTA event. We have tentatively planned to go to Saguaro National Park (west) near Tucson, on November 12th. This day coincides with the Marana Hamfest so after the swap meet, we will head down to the National Park to operate. Some of us will camp at the nearby Pima County Gilbert Ray Campgrounds in the Tucson Mountain Park, just south of the National Park. Can't think of a better time! A swap meet, getting on the air, seeing old friends, and camping - all in one weekend. So if you are free, come join us!



Gary, K7GH and John, K7JHK enjoy popcorn

Your Humble Scribe,
Mark, N7KKQ



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

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

The program for our October club meeting was a real trip into the beginning of space development. The presenter was Hank Wall, W0CZE, Systems Engineer for McDonnell Aircraft during the development of the Mercury and Gemini space craft. This goes back to the late 50's and early 60's. Hank was in charge of developing antennas for these space craft.

His presentation was an in-depth review of the avionics for these craft. They designed and redesigned antennas to work with the craft. The space crafts were using Collins radio equipment and his antenna designs had to be matched perfectly to the equipment and be very durable. He was very successful.

These early space missions featured a water landing somewhere in the Atlantic Ocean east of south Florida. In 1960 and 1961 I was in the Navy onboard a destroyer stationed in Key West, Florida. We were sent out to specific locations to help recover the capsule and the astronauts. Most of the Navy ships on the East Coast participated in this operation. Our ship was never the one to make the recovery but it was all very exciting just the same. To hear Hank tell us about those critical days and the splash downs was terrific.

By the time they began the Gemini Program they had worked out most of the kinks in the antenna systems. He continued to design antenna systems for the two astronaut version which was larger and much more complicated.

This was an outstanding program that everyone in attendance really enjoyed. That was a Great program Hank.

November is our own election time. The club membership votes on the makeup of the new board of directors for the club. David Yee, N7AJR, is the chairman for the nominating committee. He asked the membership for volunteers to be on the 2017 board. Most of the current board members have agreed to stay on the board. He closed the nominations.



Continued Next Column

SARC Continued from Previous Column



David Yee, N7AJR, Nominating Committee Chairman addressing the club members

There is some great news for those of you that are in HOA's. House bill HR 1301 has passed the House of Representatives and is headed for the Senate. We had petitions at the club meeting to be sent to our senators and the ARRL has on line petitions to get the house bill into law. It would be of great help dealing with home owners associations. If you see a petition, sign it. As they vote in Chicago, vote (sign) early and often!

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

ADAW

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.





The high temperatures have dropped below 100 degrees and fall is here! I know everyone has been bombarded by the national election coverage on the news, social media, street corner signs, and everywhere you look. Most of the ham radio clubs are having their annual board of director elections as well, so don't forget to vote in those. The ballots for the ARA election are being mailed out in the next week to all active members. Once received, please complete and mail back by November 12th or hand deliver at our November 21st general meeting.

We've had another great year for ARA membership, with a current count of 485 active members. The ARA appreciates the support of all members. I believe we offer one of the best deals for life membership out there and have 176 members that have taken advantage of that benefit. Included in the ballot mailing mentioned above is everyone's membership information and renewal information for annual members. Please take a few moments to review that information and return it to us as well.

We will be setting up an ARA table at the upcoming CopaFest/AZ ARRL State Convention in October and the Superstition Superfest in December. I hope to see you there. I've put out the call for members to get involved before and continue to echo that request. The ARA technical committee can always use the help. Try to attend one of our tech meetings on the 1st Thursday of each month and we'll get you added to the techcom email list. We could also use help at the several hamfests that we set up at each year. There's a need to help greet new and existing hams and educate people at the hamfest on the ARA repeaters and other ham radio topics.

Repeater problems and interference are inevitable whether it's on a single repeater or the larger linked systems. Help us when you hear anything abnormal or malfunctioning on one of the ARA systems. Start by reading 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



The year 2016 marks Yavapai Amateur Radio Club's 25th Anniversary. As the year winds down, we will have elections of new club officers and board members in Nov. If you are a YARC member and interested in running for a YARC office, why not nominate yourself.

At the December meeting we will honor the many YARC members who have faithfully served the club and community during the year and take time for presentations from our special interest groups.

YARC continues our series of licensing classes for people interested in Ham radio. A Technician license class is being held October 22 and 29 at Embry-Riddle Aeronautical University. This class is in preparation for the Nov. 12 licensing test session. For more information contact bvlastelich@aol.com In addition, YARC offers discounted "HamTestOnline" subscriptions. Upcoming regular test sessions are Nov. 12, Jan. 14, 2017, and Mar. 11, 2017.

Following the success of the Prescott Hamfest 2016, our joint planning committee with Eagle Radio Club at Embry-Riddle has scheduled the 2017 Prescott Hamfest for Saturday, June 10, 2017, at Embry-Riddle. Watch for details as they become available. Remember, June temperatures are about 15 degrees cooler in Prescott than Phoenix or Tucson. We hope to see you there.





INSIDE W7ASC

The roof project is almost complete. The roof itself should be water proof, but we need a good rainstorm to test it under real conditions. W7ASC antennas have been reinstalled and they do work. We are not sure if the controllers, for the directional antennas, match the direction of the main lobe of the pattern. But contacts have been made and the reports have been consistent with those that were reported before all of this activity had started.

The last step, the replacement of the (20 year old) coax with new, and in a more direct run, waits for the right moon phase, and the required dawn of the age of Aquarius. This will happen when the right tools and the right people are all available at the same time. We are all certain that this will happen in good time, and operations will proceed as usual in the meantime.

The antenna removal and replacement, necessary to allow those roof repairs, was an example of what can be accomplished when different groups cooperate. Hams and non-hams worked as partners, and the job went well. Thank you, Arizona Science Center staff! If C.A.R.L. had the authority, we would anoint Don Gretton and Allen Merconi with an honorable Ham certificate.

The annual Fry's Free weekend washed over the Arizona Science Center while all of this reconfiguration was under way. Few, if any, visitors were even aware of the roof activity. And there were many visitors. This Fry's Free weekend is always well attended. By "well" we really mean heavily! In simpler terms – the place was mobbed. Bob arranged for extra volunteers to be on duty, and that was really a wise move. We have been advised that over 18,000 visitors came through in that two-day weekend. By comparison, during other times a count of two or three thousand visitors is considered to be a busy day. The place was really jumping. And the Shack was the scene of wire-to-wire activity. Over 650 "I sent my name in Morse code" certificates and badges were awarded; usually it is about 40 to 60. A BIG Tx to all helping out for the "Fry's Free Weekend!"

John, K7JP, Jean, W4CIH, Tom, AD7PM, Steve, KB7QHP, Ed, K7EDT, and Jerry, K2PFW. Some very tired Volunteers were seen dragging themselves home after the final bell had sounded. While the Shack usually tries to have

CARL Continued from Previous Column

two volunteers on duty each day that the Center is open, there were at least four there each day of that weekend. Four Morse code positions could be heard at all times.

And, yes, there were photographs taken (thanks Jerry). Bob KG7QJ has included a sample of these pictures with this newsletter.

LICENSE CLASSES

Classes at the Arizona Science Center have been indefinitely postponed. Professor Bob had an incident at home that involved water entering areas that were not designed for water. Books and files, plus carpeting and drywall, were subject to severe dampness. Once this area has been returned to its proper state, Bob will be able to resume preparation and presentation of License classes. Just stay tuned as class information will be published once we have new details.

Speaking of classes and details, we have just learned that license classes have started in the far East valley at the Red Mountain library. Information is too fragmented to be presented here, but the first class has been fully subscribed. As we understand it, all supplies are being provided by the library system. Both Technician and General licenses will be available. Your diligent scribe will work to obtain all pertinent details. If we have them in time, they will be published in the next C.A.R.L. Newsletter.

For now, 73 de W4CIH Jean 480-664-7353 jeanjol@hotmail.com



Continued Next Column



ANSR Flight 102 Launches from Copafest 2016

ANSR Flight 102 went off without a hitch. Originally planned for launch from the UltraStar at Copafest 2016, the ARRL Arizona State Convention, our flight plan was changed after predictions indicated encroachment on Sky Harbor airspace. One of the most important rules of flying high altitude balloons is to take care not to present a hazard to aviation.

We ended up launching from a location a couple of miles south of Interstate 8, Freeman Exit, near Gila Bend. This brought our flight to a safe distance south of Sky Harbor reserved air space, but near enough to the City of Maricopa, while avoiding urban areas. We always try to avoid landing on reservation land, where permission from tribal authorities would be required to enter and recover the payload. Maricopa, being surrounded by reservations, makes this a real challenge.

The balloon was a 2000-gram latex weather balloon filled with hydrogen. The expected burst altitude was 75,000 feet. The flight lasted about 2 hours from launch to touchdown. Live video feed was able to be viewed our ground station located at the UltraStar in Maricopa, site of the Copafest.

The call sign for this flight was KA7NSR-6. You can still track the path of this flight from on APRS.fi by going to the archives.

So, what went up? APRS beacons transmitted position information for the balloon on 144.34 MHz and 445.925 MHz and a CW beacon on 147.515 MHz. Mode C Transponders were also flown so that aircraft would be aware of the balloon's presence.

On this flight, the AZ ASCEND! Eclipse Project Team flew two Eclipse Project payloads. The two cross band repeaters were part of the payloads, as part of the payload for next summer's NASA Eclipse flight. The Eclipse project is a network of high altitude balloons that will photograph the 2017 solar eclipse.

The purpose of this test in an actual balloon flight environment was twofold. First, to characterize the performance of the digital video payload that operates on 5.8 GHz. Video quality and radio range performance was recorded and will be used to see what improvements may be necessary to the payload and ground station.

The second objective was to characterize the performance of the Iridium GPS payload. Beacon reliability and frequency of position reports from the Internet will be recorded.

What's Iridium? It's an accurate and resilient position,

ANSR Continued from Previous Column

navigation and timing (PNT) technology that works anywhere on the planet, even indoors. Due to the unique architecture of its 66 cross-linked, low-earth orbit satellite constellation, Iridium is the only network that has the global coverage and reliability needed to deliver this highly unique, robust solution.

While all of this may seem highly technical, and some of it is, high altitude balloon flight has become another facet of amateur radio. It encompasses APRS (Automatic Packet Reporting System) technology that is built into many modern VHF/UHF radios. The payloads on these flights, including Go-Pro cameras, Raspberry Pi and Arduino computers and microcontrollers and can be expensive. In addition, many of the experiments require recovery of the payload in order to be successful. So, using ham radio and off road vehicles to recover the payload is not only important to the mission, it's fun.

In this particular flight, where we were not able to launch where the hamfest crowd could observe us, so live streaming video and data to the giant Jumbotron monitor mounted on the side of the UltraStar building was the next best thing. Touchdown occurred inside the Maricopa city limits about one half mile north of McDavid Road and two miles west of State Route 347, in an undeveloped area.

If you're interested in high altitude balloon flight, check out our web site at ansr.org. We're always open to new members as observers or assisting on the launch or recovery teams.

Steve Miller



Continued Next Column



Emergency Communications Since 1961

SHORT SKIP

VE Test Sessions Reports

DeVry University Test Sessions

The next exam session is Saturday, November 5th, 2016. Exams start at 9:00 AM and all tests must be concluded by 11:00 AM. Check in at the Library on the second floor, southeast corner. ARRL VEC exam fee is \$15 exact change only for all elements taken once. Additional fee applies for retest of any element. Retest is at the option of the VEs. Please bring photo identification, original and copies of any current license, any Certificates of Successful Completion of Examination (CSCE) you might have, and a pen and pencil.

No exams were administered at the October 1st session.

Administering VEs were:

David Morrill N7TWT Liaison, Bill Martin AI0D, Daniel Ford K2LH, and VerdamaeKF7UJB and Joe W0SLC 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 W0SLC at 623.337.0040 or 623.215.2226.



The National Parks Service celebrates its 100th anniversary in 2016. The last weekend in August, five radio amateurs from the West Valley ARC were able to mark that anniversary by taking part in the ARRL National Parks on The Air (NPOTA) event. Harry AF7UT, Ray W0IVB, Mike K7MJC, Jim K6RRS, and Alex K7AEM went up to the rim at Grand Canyon National Park to try their skills.

Camp Run-a-Mucka was set up with a tent that proved not to be so water tight, four low power 5-watt stations, a five section mast, and a 10-20-40 antenna - but only 20 and 40 were used to make contacts out as far as they could. They were able to make contacts all over the country and even made contact with Alaska. A combination of Icom and Yaseu radios were used. One of the objectives, or challenges, was to make contact with Dave Willinger, K7EZF in Yuma, AZ. Contact with Dave was finally achieved by HF.

I think everyone there had a great time and cannot wait to do it again.



**West Valley
Amateur Radio Club
High-Speed Multimedia
Special Interest Group**

The West Valley Amateur Radio Club is are starting a high-speed multimedia special interest group, and also mesh networking. If any is interested and would like to sign up, please let me know.

Bob KG7FIL kg7fil@arrl.net

Newbie Net

The "Newbie" net is held on the 1st and 3rd Friday's of each month at 7:00 p.m. on the NY7S repeater on Del Webb Hospital Sun City West AZ. The net is to help get you started with the procedures and protocols used in amateur radio. Everyone is welcome.



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!**



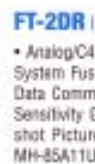
FT-991 | HF/50MHz/2M/440 Transceiver

- 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



- 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

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.