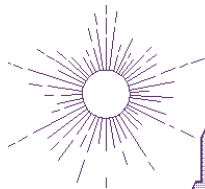


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



**HAPPY
NEW
YEAR!**



ADAW

Arizona Desert Aire Waves

Vol 43, No 1

January 2018

CLUB MEETING SCHEDULE

CLUB MEETING SCHEDULE		QCWA March/April TBD Tucson Area 11:00 AM	WVARC Jan 1st St Clement Catholic Church Social Hall 7:00 PM
SARC Jan 3rd Scottsdale Senior Center 7:00 PM	AARC Jan 11th Red Cross Bldg. - Phx 7:30 PM	SuperstitionARC Jan 16th Charles K Luster Bldg 7:00 PM	ARA Jan 25th Denny's Restaurant - Tempe 7:30 PM
OPRC Mar 14th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM	TBARC Jan 18th North Phoenix Campus Northern Arizona University 7:00 PM	MARCA Jan 16th Denny's Restaurant - Tempe 6:30 PM	MARA Jan 6th Maricopa PD Community Rm 9:00 AM
MCCARC Jan 22nd Mesa Community College Tech Bldg 7:00 PM	CADXA Jan 20th PERA Club 6:00 PM	ANSR Jan 18th via GoToMeeting 7:30 PM	YARC Jan 4th Mile High Middle School 7:00 PM
		OVARC Jan 19th Ascension Lutheran Church 7:30 PM	CARL Jan 20th AZ Science Center TBA

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	W0SLI	623.215.2226
Secretary	Reinhard Geissler	K7RGG	
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

AARC c/o Bob Hodges, K7JJT, 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	Kelley Law	KF7ZVL	
Secretary	Paul Jorgenson	KE7HR	
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	480.773.8452
	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 THURSDAY** of the month at 7:30 p.m. via GoToMeeting. Technical meetings are held the first Monday of the month at 7:30 p.m. on GoToMeeting. Please contact an officer about joining our meetings.

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean@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	Joe Arnold	AD0X	
	Andrew Cornwall	KF7CCC	
	Wayne Hale	W6IZK	
	Robert Fairfield	K7RQN	
Past President	Walt Reinert	NJ8G	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 March, June, September and December 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:	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	Ray Tyrrell	N6MY	n6my73@gmail.com
Treasurer	Linda Sitterley	W7POF	mmrginc@gmail.com
Secretary	Lori Cripps	WA7EDI	602.955.7517

Web Site: <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 **FIRST SATURDAY** of each month at 9:00 a.m. at Maricopa PD Community Room, 17985 N Greythorn Dr. in Maricopa.

President	Steve Miller	W6SDM	602.290.1603
Vice President	Chris Canevit	W7CGC	
Secretary	John Wiltberger	N07IN	
Treasurer	Curt Steger	NA7CS	520.568.9471
Board Members:	Ronald Beasley	KG7MUV	520.568.4880
	Bob Howard	W8RH	520.709.6176
	David French	N7FAN	480.430.9426
	Dale Dallon	KB7DD	
	Greg Harding	KG7VNZ	
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 951, Maricopa, AZ 85139

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 third Tuesday of the month at Lou's Trivoli Gardens, 12535 W Bell Rd, Surprise at 7:00 PM. The Emergency Preparedness Group meets the third Monday of the month at 7:00 PM at Boswell Hospital. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. The preparedness net is held the last Friday before the monthly Monday night meeting at 8 pm on the NY7S repeater 147.300 MHz, Tone 162.2 Hz. A weekly breakfast is held on Thursdays at Lou's Trivoli Gardens, 12535 W Bell Rd., at 7:00 AM.

President	Jim Rogers	N7YTI	623.214.9219
Vice President	Harry Scholz	AF7UT	623.878.0587
Secretary	Sharon Blaylock	KI7DOK	623.584.6974
Treasurer	Geoff Bock	KB7QFP	708.723.7757
Club Directors:	Bob Paul	KG7FIL	623.252.0149
	John Siepmann	N9NA	623.266.8333
	Tom Connor	W7TLC	623.444.7956
	Nancy Collins	KG6QWW	623.398.5286

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	Andy Keels	KD4ABB
Secretary	Brent Butler	W7FK
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Don Rollock	W2EUL
	Dan Karnes	W7TWR
	Jeff Heinze	N7CCW
	Larry Fort	AB7C
	Jeff Machesky	K7ZLX
	Dan DeVliieger	KC7MSU
	Jeff Harris	K2DFE

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: SuperstitionARC.org and SuperstitionSuperFest.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 825 S 48th Street in Tempe (SE corner of University & 48th Street). 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, and SBC applications.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Dave Hall	N7ZPY	
Treasurer	Don Aldridge	WA7RLL	
Board Member	David Yee	N7AJR	
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, 825 S 48th Street, in Tempe, near SR 143 and University Drive. 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	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Erv Heimbuck, K0OTZ	k0otz@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@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, WB7TUJ	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	Kathy Laing, KJ6KMK	president@w7yrc.org
Vice-President	John Stevens, AB9JS	vice_president@w7yrc.org
Secretary	Sandy Mattsen, K9WIZ	secretary@w7yrc.org
Treasurer	Mike Reid, N7IEP	treasurer@w7yrc.org
Past President	Frank Bender, K8FB	k8fb@w7yrc.org
Board Members	Art Jackson, KA5DWI	ka5dwi@w7yrc.org
	Rex Mauldin, N7NGM	n7ngm@w7yrc.org
	Art Protas, KG6AY	kg6ay@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	Fred Bresani, W2HZ	vicepresident@tucsonhamradio.org
Secretary	Carl Foster, KB7AZ	secretary@tucsonhamradio.org
Treasurer	Hanna Eckert, KG7TPD	treasurer@tucsonhamradio.org
Board Members	Ross Eckert, K4WBR	
	Scott Boone, K7ADX	
	Gary Pierce, WE7GP	
	George Cooley, NG7A	
	Marnee Dearman, KG7SIO	

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/>.

MESA COMMUNITY COLLEGE AMATEUR RADIO CLUB

The Mesa Community College Amateur Radio Club meets **EVERY MONDAY** of the month at 7:00 p.m. at Mesa Community College located at 1833 W Southern Avenue in Mesa. The meetings are held in the Technology Center Building 50, Room TC414 on campus. Every other meeting focuses on beginner topics to assist members in testing for the Technician license. All are welcome to join and there are no membership dues or requirements other than only MCC students may vote and hold club officer positions. Visit us at <https://www.facebook.com/KM7CC>

President	Charlie Brown	NJ7V	nj7v@arrl.net
Vice President	Nick Bratcher		thetowerpeople@gmail.com
Senator	Victor Valderram		vicau50911@maricopa.edu
Secretary	Robert Swanson		robswanson30@yahoo.com

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	Jack Landon	KD7ROB	480.759.5195
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
Tom K9TOS	At Large
Sam N7INV	Scheduling
Dave W7PMD	Hamfests
John K7JP	Teacher Packets
Bob KG7QJ	Classes, ASC Contact

Web Master, ARCA Rep - Roger Buel, W9NCQ - 602.493.7242

For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195. 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	Fred Hoffert, III	NA2U	cwman1@aol.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.



The *Arizona Desert Aire Waves* is published monthly and is the official news media of the sponsoring clubs. All news items, articles and inquires should be submitted to each club's editor. Any information and opinions printed herein are those of the contributors and are not necessarily those of the sponsoring clubs. Full permission is granted to quote from this publication providing credit is given to the individual contributor and the ADAW. ALL RIGHTS RESERVED. **Deadline is 10th of the month**

ADAW Staff

PUBLISHER / MANAGING 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		
T D Kennard	N7ISR	n7isr@yahoo.com
ARCC 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
MCCARC EDITOR		
Charlie Brown	NJ7V	602.529.4381
MMRG EDITOR		
Lori Cripps	WA7EDI	602.955.7517
OPRC EDITOR		
Ron Kalish	N7SPW	520.207.3852
OVARC EDITOR		
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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		
April Kramer	KI7GFJ	602.284.6312
Nancy Collins	KG6QWW	623.398.5286
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 WEBSITE	www.adaw.org	



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



Hamfest Calendar

13 January 2018 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Northwest Community Church, 16615 N 43rd Avenue in Phoenix. Hours are 8:00 AM to 12:00 Noon. Open to Vendors at 7:00 AM. Vendors may set up Friday night after 5:00 PM. General Admission - \$3.00 per person. Vendor and Tailgate Swap - \$10.00 per parking spot. Seminars - Door Prizes. VE Testing from 10:00 to 11:30 AM. Snacks and Beverages will be available for purchase. Visit the TBARC web site at www.w7tbc.org or email hamfest@w7tbc.org for additional information.

21-27 January 2018 - **QuartzFest** - will be held in Quartzsite. Hands-on Demos, Mobile Ham Shacks, Recreational Vehicles, EMCOMM Systems, Off-The-Grid Living, Alternative Energy, and Radio Education. Over a hundred Technical Seminars and Fun. For more information, visit the web site at www.quartzfest.org.

16-17 February 2018 - **2018 Southwestern Division Convention/Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit the web site at www.yumahamfest.org for additional information.

31 March 2018 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. Seller setup starts at 6:00 AM. \$10 per space. Free Admission and Parking. Free VE Testing - GOTA Station - QSL Card Checking - Prizes. Coffee, Tea, and Donuts will be available. For Information & Map, visit <http://www.k7rst.org>

1-2 June 2018 - **2018 Prescott Hamfest at ERAU** - hosted by the Eagle Amateur Radio Club at ERAU and the Yavapai Amateur Radio Club will be held at Embry Riddle Aeronautical University (ERAU), 3700 Willow Creek Road in Prescott. Hours are 7:00 AM to 4:00 PM on Friday and 7:00 AM to 3:00 PM on Saturday. Tailgating, Commercial Vendors, Youth Activities, Special Event Station, Prizes, Food Concessions, Seminars, DXCC Card Checking and more. Limited Free RV Dry Camping on Thursday and Friday nights (must pre-register). General Admission - \$5.00 good for both days. Full Time Student with Student ID and 12 years and under - Free. Tailgating - \$10.00 first parking space, \$5.00 each additional. Indoor Commercial - \$20.00 first table, \$10.00 each additional. Talk-In Frequency - 146.880 MHz(-) PL 100 Hz. For more information, visit the website at www.prescotthamfest.com or email Hamfest Chairperson - Frank Bender, k8fb@w7yrc.org

Continued Next Column

From The Editor's Desk

Happy New Year!

It's hard to believe an entire year slipped by and we're starting a new one. Actually, as I'm writing this, it's three days before Christmas so there's another week left in 2017.

The last three months have been busy ones in the Amateur Radio community. We have had a total of six hamfests and numerous public service and operating events in Arizona. Makes a person want to stop a minute, take a deep breath, and relax for a while - or maybe take a nap!

Oh wait! Christmas! Gotta get the tree up. Presents? Darn! Shopping! Guess that nap will have to wait.

We'll start the new year off right with a great event. The Thunderbird Amateur Radio Club will be holding it's annual hamfest on January 13 at the Northwest Community Church on 43rd Avenue in Phoenix. Open from 8:00 AM until 12:00 noon, this hamfest just keeps getting bigger and better every year. So start YOUR new year off on a high note and plan to attend. You might just find that special something that Santa forgot. See the Hamfest Calendar in the previous column or their flyer in the flyer attachment for all the details.

There is at least one hamfest each month in Arizona for the next seven months. Check the Hamfest Calendar in the previous column for a list. For the most current list (it's updated just as soon as information is confirmed), visit the ARCA web site at www.arca-az.org and click on the Hamfest Calendar list on the left of the screen.

That's all from me this month. Now - off to get all those tasks accomplished.

Happy Holidays & Happy New Year!
Chris, N7PVL

Hamfest Calendar Continued from Previous Column

29 September 2018 - **Tucson Fall Hamfest** - hosted by the Radio Society of Tucson will be held at the Target Store, 9615 E Old Spanish Trail in Tucson. Hours - 7:00 AM - 11:00 AM. Seller setup starts at 6:00 AM. \$10 per space. Free Admission and Parking. Free VE Testing - GOTA Station - QSL Card Checking - Prizes. Coffee, Tea, and Donuts will be available. For Information & Map, visit <http://www.k7rst.org>

27 October 2018 - **Copafest 2018** - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar Multitainment Center, 16000 N Maricopa Road in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission is \$5.00. Spaces are \$10.00 for two parking spaces. Setup begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.



With finals out of the way, we are enjoying the semester break. JD Smaylis KF7VOX and David Waller KG7NCV were our guests, just before the break.

JD KF7VOX lead a discussion with the club about what hamfests and conventions are. He gave us a bunch of great information ahead of our club participating in the Superstition Superfest. Our club hosted the FCC license testing, ARRL and ARCA meetings in our club meeting room at the Superfest on the Mesa Community College campus. We didn't get a club information table set up at the swap meet as planned, but hope to have everything in place for next year.

To finish out the semester for us, Dave KG7NCV gave a presentation on Emergency Communications. He did a fantastic job and we are all excited to go out and join an event to sharpen our skills in EmComm. Thanks to both of these great men for instructing us.

Our club also held our first net this month. We received permission to use the K7DAD repeater because of its close proximity to the school campus. We hope to get a weekly net going and we are also looking forward to participating in the New ham net on Thursdays as time permits. We consider our club a "New Ham" club with most of our members either being unlicensed or newly licensed.

If you are a new ham and you are looking for a club that focuses on the basics, please join us! It will be a perfect fit for you! Our next four club meetings starting January 22nd will be presented by Jon Sherman KE7TPD, who will be covering the basics for those wishing to get their license. Find out more at <https://www.facebook.com/KM7CC>

Happy New Year!

Charlie NJ7V
MCC ARC President

The Yavapai Amateur Radio Club encourages members of the area community to join us for our monthly meetings. We continually strive to make our programs interesting by addressing as many facets of amateur radio as possible.

Our club has grown to 300 plus members as a result of the dedication of our officers, directors and our many wonderful volunteers. For those just getting started, we offer bimonthly license testing, periodic classes and a club radio station. Information about classes and testing can always be found on the club website www.w7yrc.org under "Become a Ham." A Technician level class is planned for February 2018, but the dates have not been posted yet. Please check the club website.

The next scheduled license exam session will be on Saturday, January 13, 2018, at 9:00 AM. Our website also allows for pre-registration for the test sessions. We have posted all the test sessions for 2018 on the website as well as the ARRL website, so you can plan ahead.

The Prescott Hamfest 2018 is scheduled for June 1-2, 2018. This event is only going to get bigger and better. For 2018, it will be two full days, so plan to attend. We will be happy to see you there.

Come join us for one of our monthly club meetings. We always meet on the 1st Thursday of the month at the Mile High Middle School in downtown Prescott - 15 degrees cooler than the valley at 5400 feet.



ADAW

ADAW



MARA Continued from Previous Column

I am pleased to announce the new board of the Maricopa Amateur Radio Association. The members are, with new members in **bold**:

Ron Beasley, KG7MUV

Bob Howard, W8RH

David French, N7FAN

Dale Dallon, KB7DD

Greg Harding, KG7VNZ

To the new members, thank you for stepping up. To the existing members, thank you for your existing service to the club.

October finished our third Copafest. Each year it gets a little better – probably because every year we learn more about what it takes to put an activity like this together. This year, our profit was better than the previous two years. We didn't have any major kinks. Most everything went according to plan.

There are around 18 hamfests in the state of Arizona each year. Clubs use hamfests as fundraisers. For many, it's the only significant money coming into the club to finance expenses and activities. Keep that in mind for a moment.

Hamfests also provide a social gathering for radio amateurs. For special areas of amateur radio, like satellite and high altitude ballooning, it provides a way of demonstrating these activities in a way that can only be done in person. AMSAT and ANSR are at many of our hamfests demonstrating their activities.

The swap meet at hamfests is a fantastic way of shopping for parts, components, radios, boat anchors, and just about anything else ham radio related. We don't have Radio Shack any longer, and electronics stores are few and far between. If it weren't for hamfest swap meets, the only way of acquiring things for the shack would be shopping online.

Hamfests aren't free. Some clubs, like ours, have to pay for the venue. There are expenses up front for door prizes and raffle prizes. A big part of the club treasury can be put on the line in anticipation of a bigger return from the hamfest proceeds. The key word here is anticipation – there is no guarantee of a breakeven, not to mention a profit.

Finally, a lot of work goes into the planning and implementation of a hamfest. Many volunteer hours are put into making phone calls, attending meetings, sending e-mails, shopping for prizes and supplies, working with the local authorities and with the venue.

Now, back to the fundraising aspect of a hamfest. Admission is charged as a way of paying the club back for their effort and expense of putting on the activity. The admission is usually called a "donation" because many clubs are nonprofit corporations, which makes a donation tax deductible to the donor. Somehow, the misinterpretation that calling the admission a donation makes it optional. I was surprised at the number of people coming through the gate that didn't pay the admission for this reason.

Look, if someone can't afford the admission fee, they will be admitted anyway, without question. However, most people coming to the hamfest do so to buy something from the tailgaters or vendors at the swap meet. So, it's not like they're indigent. It's disturbing to see someone walk away from the hamfest with an arm full of things that they bought after they opted out of paying the admission. Just sayin'.




Our clubs depend on the support of their members and the support of the amateur radio community in general. Next time you're at a hamfest, take a minute to appreciate what all it took to put it together.

See you at the Southwestern Division Convention in Yuma next February.

73,
Steve, W6SDM

ADAW

R.J. CARLI ENGINEERING CORP

 ELECTRICAL CONSULTING	 SOUND/SIGNAL CONSULTING	<p>7311 E. STETSON DRIVE SCOTTSDALE, ARIZONA 85251</p> <p>RAYMOND J. CARLI, P.E. ELECTRICAL ENGINEER W7GNE</p> <p>(480) 941-8610 (OFF.) (480) 945-7020 (FAX)</p>
 MECHANICAL CONSULTING	 PLUMBING CONSULTING	

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.

ADAW

Continued Next Column



CARL Continued from Previous Column

W7ASC HAM SHACK HAPPENINGS

2017 has ended on a high note in the Station. Schools are spending their year-end funds, visiting the Science Center before closing for the Holiday break. Morse code Badges and Certificates have been awarded in record numbers. Enthusiastic visitors, with their enthusiastic high-pitched voices, have been bursting through the entrance in record numbers. Those marvelous Ham radio information packets, designed and assembled by John K7JP and designed for Teachers classroom use, have been in high demand ever since the signs, announcing their availability, have been posted in, and around, the Shack.

December 2 was a busy day Ham-wise. There was, of course, the Superstition Ham fest. The weather did smile on that event this year. December 2 was also National SkyWarn appreciation day. WX7PHX accepted non-weather related QSOs. W7ASC contacted the NWS station on 147.200, allowing a number of visitors to talk to the local SkyWarn office. This is an ARA repeater on Pinal Peak, so it was busy. There is a very friendly and cooperative group of Hams who can be reached on this repeater.

The new Pompeii exhibit, which has opened in the Arizona Science Center, has been drawing a steady stream of visitors to W7ASC. There is both good news and bad news about that influx. Entry to the Pompeii exhibit is by reservation, and all stamped with very specific time of entry. Visitors, in the midst of a Morse code lesson, or as a demonstration QSO is underway, will suddenly realize that their scheduled time is upon them, and they will bolt out of the station. Not all of them return to complete the experience! Volunteers at the Station must now be sensitive to this imperative. Pompeii will be open until May.

An attractive young lady entered the Shack and announced that she had something unique to display. She also mentioned that she was sure that the Volunteers at the Shack would be certain to appreciate this revelation. The Volunteers braced for A Problem, as there were children in the area. The young lady removed a sweater and then rolled up one sleeve. This action exposed a most unusual tattoo! Her name was spelled out in Morse code. Not a very good rendition, we should mention. The letters ran together, but it was possible to decode the message. The Volunteers on duty that day were able to

assure the visitor that she really did carry a Morse code message on her arm.

There is a new volunteer at the Station whose “How I got started in Amateur Radio” is worth repeating. Brandon Lee KI7LGC, and his wife, love the great open spaces in Arizona. They tour the State as part of a group of off-road enthusiasts. In order to stay in touch while moving through the isolated areas, this group equipped themselves with Citizen Band radio. While that did allow some in-group communication, you all know that this is a limited, as well as an unpredictable, communication resource. A friend mentioned Amateur radio to Brandon. Once he looked into it, he realized that this was what he really wanted. Shortly thereafter, Brandon and his wife both passed the Technician test and they both were, and still are, licensed. Brandon went on to earn his General and has been discovering some of the various modes available within the Amateur bands. He was initially really taken by the capabilities of SSTV. He has been working on his Morse code in order to be more efficient in teaching Morse to visitors.

And now it is your turn – tell this scribe, please, how you got started in Ham radio. Send the details to Jean W4CIH via email to jeanjol@hotmail.com and then you, too, might see your name in print!

Want to try your hand at volunteering at W7ASC? This is a fun way to serve your community and talk about Ham radio to the many members of the public who either know nothing about us, or have an erroneous concept of the Amateur Radio Service. For details, and an application, phone any of us at the Station within the Arizona Science center 602-716-2082, of call Bob KG7QJ at 480-961-1109 or even call your humble scribe at 480-664-7353. Of course, on-air requests work well, too. Contact W7ASC usually on the EARRS network. There is an EARRS repeater on Mt. Lemon 147.16.

Happy New Year and 73 – good DX
Jean W4CIH jeanjol@hotmail.com



ADAW

Continued Next Column



For Sale / Wanted



PRICE REDUCED!

Partly Restored Vintage Tube-type Transmitter - \$350
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.

The West Valley Amateur Radio Club has radios and ALL kinds of supplies available for sale through the club. 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.

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

We, the Board of Directors of the Arizona Repeater Association, convey our appreciation and gratitude for the numerous contributions of Mr. Virgil Silhanek, K7VZ over the past five years. His support and enthusiasm for the Amateur Radio community in Arizona have contributed to the growth of the hobby.

During his 4-year tenure as the President of the ARA, the organization made significant strides. The visibility of the ARA was increased through improved Hamfest presence, introduction of a Facebook page for the ARA and ARA articles published in the monthly Arizona Desert Aire Waves, ADAW.

Virgil has been a major factor of promoting the awareness of the ARA in the Amateur Radio Community, which has significantly increased ARA membership. Additional actions include the establishment of the ARA Paypal account to simplify membership renewals and with the addition of Amazon Smiles, the ARA is now able to benefit from any purchase at Amazon.

On the technical side, Virgil has assisted with many aspects of maintaining our sites. He was the primary driver for the building and installation of the new site on Mingus. The final installation was very professional and recognized as a clean install by the site owner. At Chase Tower, Virgil's willingness to support IRLP has been very much appreciated by many users.

Mr. Silhanek demonstrated support for other organizations, including ARCA, which benefits all of Arizona. Another achievement was Virgil's involvement with the Arizona Legislature to ensure Ham License Plate funding returned to the Amateur Radio Community.

Thank you, Virgil, for your countless contributions and support of the Arizona Repeater Association and the Amateur Radio Community.

Arizona Repeater Association
Board of Directors





ANSR Continued from Previous Column

wind gusts, we weren't able to put as much helium as we had planned for, the flight was far short of the distance that was predicted. It landed on someone's property near Interstate 8 and Interstate 10. We had to contact the local police so that they could contact the property owner. We don't trespass - even when nobody's looking. It took an hour or so to make contact with the owner, who graciously allowed us to recover the payload.

It was a great way to spend Saturday. Many of us got to see parts of Arizona that we had never seen before, and probably never would have otherwise. There were students from Arizona State University, Embry Riddle Aeronautical University, Central Arizona College, Pima College, Glendale Community College, East Mesa Community College, and the University of Arizona. Many of the students developed an interest in amateur radio just through their exposure to the high altitude balloon programs. Many have become licensed hams.

Our next flight will be from the Yuma Hamfest, which is also the ARRL Southwestern Division Convention on February 16-17, 2018. Last year we got rained out and were unable to fly - so this year we've been guaranteed great weather. See you there.

Steve Miller, W6SDM



Look, the weather report said there would be no wind, okay? Gila Bend was supposed to be as calm as a sleeping baby. Wrong! Sporadic 20 MPH wind gusts, combined with two full 3000-gram balloons, made for one interesting launch of ANSR flights 112 and 113 on the morning of Saturday, November 18, 2017.

I'm not sure if anyone invited Murphy along for this flight, but he showed up just the same. Since a big part of our pre-flight predictions depend on local weather, especially ground winds, the accuracy of our estimated recovery area was way off. Fortunately, there was very little cloud cover and we were able to visually track the balloons from both the launch and pre deployment recovery areas - most of the time.

Flight 112 was supposed to come down somewhere near Randolph, AZ. If you've never been to Randolph, well ... I have. I was sitting in my vehicle listening to the radio traffic when I spotted the balloon, still ascending, almost directly overhead. That means it wasn't coming down anywhere near where we had predicted. Our APRS beacons allowed us to follow the flight on re-entry to about 3,000 feet - bringing us dead center into the middle of nowhere. The actual location was about 20 miles west of Dudleyville and a few miles west of Barkerville road.

We did manage to get an eclectic fleet of vehicles, including student transport vans, pickup trucks, small economy sedans, Jeeps, and a Range Rover close to where the touchdown point would be. It took some creative four-wheeling to get to the actual spot a few miles into the desert, which seemed like an endless sea of Cholla cactus. Some of our crew got a first-hand lesson in why it's called the "jumping cactus."

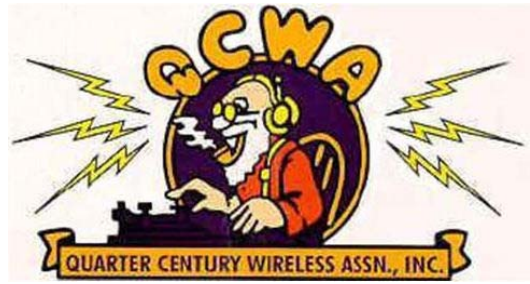
As an avid off-roader, I try not to leave anything behind on the trail when I go off-road. However, the trail to the recovery site was rough enough that we did leave behind a couple of rearview mirrors and a "chase vehicle" magnetic sign. My guess. Based on the amount of traffic in the area, they will be there for the next thousand years or so.

While the APRS beacon gave us a general location of where to look for the payload, it was the gleaming of the foil on one of the payload experiments that lead us to the exact site. If Tiny Tim had been there, he would have been singing "Tiptoe Through the Cholla." A half-dozen or so students were brave enough to accompany us on the recovery of flight 112.

Flight 113 was nowhere near as dramatic. Because of the

Continued Next Column

ADAW



CHAPTER 16 BARRY M. GOLDWATER ARIZONA CHAPTER

Our club is continuing to utilize the internet to access speakers who live outside Arizona for excellent meeting programs. Our best connection yet was at the December meeting and utilized Skype video for a wonderful presentation by W5OV, Bob Naumann, about the “K3LR Multi-Multi Contest Station.” This program was provided to us through the public relations outreach of DX Engineering. With our new HD projector and a sound system provided by Alton, W7ACX, we felt like Bob was in the meeting room with us. He has been an operator at K3LR for more than 20 years and gave us the grand tour of the station layout from antennas and towers to operating positions and equipment as well as explaining the station’s history. It was an impressive display of what hams can engineer to achieve outstanding results in our hobby.

The airwaves have continued to be busy with DX activity over the past month with the running of the CQWW CW Contest. Several club members were at DX stations for the contest – NA2U and N7IR were at PJ2T (with the claimed multi-multi high score) and AA7A and KY7M were at PZ5V along with Honorary Member G4IRN. Before and after the contest there were opportunities to work many of the same stations, including ZA1WW in Albania, among others. We also had some activity from Galapagos for the first time in a while from HC8LUT.

The ARRL 10 Meter Contest in December did not provide any DX beyond the usual path to South America, but for those who were QRV on Friday evening when the contest started there was an outstanding Sporadic E opening that allowed locals here to work stations as far east as Florida and the Carolinas, as far west as Hawaii and ZL, and as far north as VE4, 5, 6, and 7 and the Dakotas. What a nice, unexpected surprise!

Next Meeting is the Annual Award Banquet on January 20th at PERA Club

There is no regular meeting in January because we will be holding our Annual Awards Banquet on Saturday night, January 20th. We have a very special program planned this year featuring Dr. Laura Tohe, Associate Professor at Arizona State University. Dr. Tohe is the author of Code Talker Stories, a collection of first-hand accounts by Navajo Code Talkers. Her father was a Code Talker, so she has some

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

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

Tom Fagan, K7DF, President
QCWA Barry M. Goldwater Chapter 16 Arizona
k7df_tom@yahoo.com



CADXA Continued from Previous Column

very keen insights about this remarkable group of Navajo war heroes. We have also invited Herb Goodluck, N7HG, to be our guest at the Banquet. Herb runs N7C, a Special Event Station in Window Rock every August to commemorate the Navajo Code Talkers. Several CADXA members have supported Herb’s efforts there over the years.

We will have a social hour and no-host bar from 6:00 – 7:00 p.m. followed by dinner and the program. Awards will follow the program. We will have raffle prizes as well. Paid reservations are required in advance for this event – contact Alton Chaney, W7ACX, CADXA Treasurer, to make your arrangements if you have not already done so. We need to give a firm head count to the PERA Club for meals and cannot take walk-ins the night of the event. Alton’s email is w7acx.480@gmail.com. Seating is limited and we are expecting a big crowd for this special evening, so please do not delay in making your reservation. The cost is \$30 per person, same as last year.

Let me take this opportunity to wish everyone Happy Holidays. I hope you and your families enjoy the holiday season and have a happy and healthy 2018.

73,
Lee, KY7M CADXA President

Continued Next Column





TBARC Continued from Previous Column

Thanks Gary!

Speaking of good times, a few members (Chris K6OZY, Mike K7DD, Jack KD7RCJ, Gary AF7BJ, Dave KG7NGF, Alana KG7NGE, Brian AK7F and Walt NJ8G) went up to Jack's for the AZ QSO party on October 14-15 and operated using W7TBC. They set up stations on CW, digital and phone and operated multi-multi. 225 QSOs later, they had a claimed score of 24,624. Congratulations!

Whether you're a club member or not, we'd love to welcome you to the TBARC hamfest. That will happen on Saturday, January 13, 2018 at Northwest Community Church, 16615 N. 43rd Ave, Phoenix. It opens to the public at 8:00 AM and runs to 12:00 noon. General admission is \$3/person. (Vendors can set up at 7:00 AM, and will pay \$10/parking spot.) You'll find DXCC card checking, seminars, door prizes and snacks and beverages - as well as one of the most vibrant hamfests in the Valley, with lots of great deals on radio equipment.

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 January, Mike Logan KB7IUUV will show us his Magnetic Loop Antenna in the Attic. Many of us have HOAs - is this what we need to get out without a visible antenna? Join us and find out!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net



Gary Duffield, WK7B

No month is busier than December for the Thunderbird Amateur Radio Club - and things are in full swing! Election season has come and gone, and thanks to the magic of acclimation, we can make a pretty good guess at the results of many of the positions. Unless there was a write-in campaign of amazing proportions, Brian McCarthy AK7F will be our new president, and Chris Johnson K6OZY continues as vice president. Darren Johnson AF7CO stays as treasurer, and Gary Cline AF7BJ remains our secretary. Wayne Hale W6IZK and Robert Fairfield K7RQN weren't up for election; they continue on as directors through 2018. The remaining two director positions (through the end of 2019) are announced at the club dinner.

As this is being written, the club dinner is still in the future. But I've been to a few club dinners in the past, and I can confidently predict that by the time you read this, you'll know who the other two directors will be. If you made it to the club dinner, you'll also know who the Ham of the Year is, and you'll have enjoyed a pleasant evening, and had three or four good conversations with our club members.

As Gary Duffield WK7B steps down from the position of president, it's worth looking over what he's done in the four years he's been president of TBARC. He started with a crisis: we'd lost our home. We were no longer able to use the meeting rooms at the Thunderbird School of Global Management, and Gary had to hunt down a new place for us to meet. You wouldn't believe the number of high school gymnasiums and dingy restaurants he went to before he was able to land us the excellent meeting rooms where we are today.

Among his other accomplishments are moving our repeater to White Tanks and installing a new antenna system there - so now we cover most of the Valley. He's taught many technician courses and brought a lot of new people into the hobby. He's overseen four hamfests - not to mention four field days, and the purchase of a trailer to manage them.

Gary finished off strong: he helped guide the club to 501(c)(3) status, and ended the year by meeting one of his stated goals: a club with 150 members. Thanks to Gary for all the work he's done to make the Thunderbird Amateur Radio Club the amazing organization it is today.

We'll miss your congeniality as the leader of the general meeting, and hope we can attend a few more hilarious and not-quite-risque presentations after you take a well-needed rest.

Continued Next Column



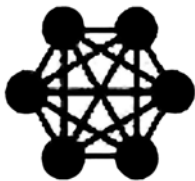
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Emergency Communications Since 1961

SHORT SKIP

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

The West Valley Amateur Radio Club is starting a high-speed multimedia special interest and mesh networking group. If anyone is interested, please let me know.

Bob KG7FIL kg7fil@arrl.net

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

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

Public Service Calendar

**Maricopa County Emergency
Communications Group Events**

EVENT	LOCATION	DATE
Xterra-White Tanks	Waddell	01/07/18
Prickly Pedal	Cave Creek/Lake Pleasant	01/20/18
JROTC First Water	N of Apache Junction	01/27/18
Runner's Den Pancake Run	E Phoenix, Paradise Valley Mall	02/04/18
Xterra - McDowell Mtn	Fountain Hills	02/04/18
Black Canyon 100K	Spring Valley to the Emery Henderson Trailhead	02/17/18
Lost Dutchman Marathon	Apache Junction	02/18/18
JROTC Shopies Flats	N E of Wickenburg	02/24/18
Xterra Black Canyon Trail Run - Black Canyon City	Mesquite Canyon	03/11/18
Mesquite Canyon	Waddell	03/17/18
Tour de Cure	Midwestern University 59th Ave & Loop 101	03/17/18
Crown King Scramble	Lake Pleasant - Crown King	03/24/18
El Tour de Mesa	Mesa	04/07/18
March of Dimes March for Babies	Wesley-Bolin Park, Downtown Phoenix	04/14/18
Pat's Run	Sun Devil Stadium & Tempe Town Lake	04/21/18
Zane Grey 50 Highland Trail Run	Mogollan Rim on the Highline Trail	04/28/18
Phoenix Half Marathon	Downtown Phoenix	11/04/18
Scottsdale Half Marathon	Scottsdale Civic Ctr	12/09/18

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

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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

SARC Continued from Previous Column



Speaker Mr. Tom Kaye beginning his presentation

The Christmas and New Year's parties are now history. The shirt sleeve weather was great for outdoor activities with the great grand kids, although, I would like the weather to be more seasonable. Speaking about Christmas parties, the club held our annual one on December 6th. The event was held at the Scottsdale Community College Culinary Arts facilities. The Motorola Amateur Radio Club of Arizona joined us again this year. We have been going to the school for a long time, but this year they were not up to their normal standards. The dinner was a little disappointing.

The party was more than just the dinner. We all had very good time talking to one another and catching up on the ham radio gossip. Here are a few pictures of the party courtesy of Terry Cross, NK7T.



Group shots of the whole gang.

The program, however, was outstanding. Mr. Tom Kaye presented us with a fascinating look at an invisible world. He and his team have been studying rock walls of caves in Arizona. They are using special laser equipment to scan the walls, which makes different minerals to fluoresce in different colors. This procedure aids the study on age and development of rock structure. They have also used this procedure to study fossil bones. The result has shown the pattern of scales and tissue that once covered the bones. Thank you Tom for a really great program.


The Club has a net every Tuesday at 7:00 PM on our repeater system. The repeaters are on 147.18 with a tone of 162.2 and on 440.00 with a tone of 100.00. Everyone checking in can give us a run-down on what they have been up to lately. Sometimes we have an interesting question for everyone. So set your clock for Tuesday's at 7:00 and we will see you on the air. By the way, you will get a free raffle ticket for every time you check into the net. Use them at the club meeting raffle.

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

Ed Nickerson WU7S
 enickerson427@aol.com



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 Judy Jensen, KE7IXI at 480.773.8452. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.



Continued Next Column



Arizona Red Cross Communications Club

4747 N 22nd St. - Suite 100 - Phoenix, AZ 85016
VHF – 146.84 MHz – PL 162.2 / UHF – 446.900 MHz – PL 131.8
Echolink Node #731289 – K7ARC-R



On behalf of the Volunteers of the ARCCC and the Red Cross, we hope you have a Happy Holiday and a joyous New Year.

Our new antenna is up and, so far, all reports are positive. We replaced a lower gain antenna with a much higher one. Along with the new 9913 coax and this upgraded antenna, we should see a vast increase in coverage as well as cleaner signals. Remember, this is an open repeater, so if you are looking for one just NE of downtown, please check it out.

Sadly, our UHF repeater is still down due to audio issues. We will be bringing that back on-line soon with a new controller card that has better audio. We will also upgrade the coax and add a new antenna.

Our next project is in the final stages of completion – the wiring of the rotator for our tri-bander on the Red Cross roof. A temporary connection confirmed the “Old Gal” was still working, so now all that’s left is to run the cable down into the shack and connect it to the control box.

We recently installed a new computer in the shack to enable us to do the basic thing hams do with computers – logging, running HF digital modes, Winlink, Echolink, Packet, etc. Our previous “cloud-based” system supplied by the Red Cross, didn’t give us much flexibility in loading and running Ham-centric software.

With this new computer system, we expect to be able to run our Echolink node 24/7. Previously, we had it running on weekends and during nets. This will allow us to stay in (Ham) contact with other Red Cross Chapters, as well as making new friends during casual contacts.

Don’t forget to check out our website as well. Nothing fancy, just a good place to get info about our group and what we’re up to. www.k7arc.org. Check out the new “Photo Gallery” page to see pictures of our volunteers, special guests, our equipment and upgrades.

See y’all at Thunderbird Hamfest in 2018.

Your Humble Scribe,
Mark, N7KKQ



After November’s several days at Harkfest, the Arizona Amateur Radio Club’s next major event was the Christmas party on December 14. The culinary expertise of the members and/or their families was shown. Of course, the pot luck meal was excellent. Our main dishes consisted of turkey and ham, and the side dishes provided by members were excellent. Everybody seemed to really like the shrimp K6JWA brought.

The main activity for the evening was bingo. Charlie Zurenko, N2TFS, won the first two games. Gary Hamman, K7GH, won the next one. Bob Cooper, KI7KDH, won the last game.

By the time you read this, the AARC will have had its December breakfast and VE test session on December 23, and members may have even opened some amateur radio Christmas presents. Let us know what Santa may have brought you.

My new calendar book calls 2018 a “year to remember.” We wish it to be a great year for you! Take a look in your latest ADAW publication to see what ham activities 2018 will bring!

Remember to join us on the club net at 7:30 P.M. on the Thursdays between meetings. Use either the 147.060 repeater or connect to W7IO-R on Echolink.

73,
Lori Cripps, WA7EDI



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.

January Test Sessions

Jan 1st - WVARC -- 7:00 PM

St Clement Church, 15800 N Del Webb Blvd, Sun City
Contact - David Morrill 623.680.5011

Jan 2nd - PV Ham Study Group -- 6:30 PM

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

Jan 4th - CARBA -- 7:00 PM

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

Jan 6th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa
Contact - Robert Bingham 480.404.1408
No Walk-Ins

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

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

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

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

Jan 13th - Venture Out ARC -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa
Contact - Robert Bingham 480.404.1408
No Walk-Ins

Jan 13th - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott
Contact - Donald Bauer 928.775.4690

Jan 16th - Hassayampa AR Klub -- 9:00 AM

Home, 30645 S Wandering Way, Congress
Contact - Charles Carter 316.651.7710
No Walk-Ins - Must Pre-Register - Call for Information



Another year is coming to an end most of us aren't sure where it went.

It's that time of year again. The Annual MMRG Board meeting will be held January 13, 2018 at 1:00 PM at GOLET AZ BEUF COMMUNITY CENTER. Some plans for the year will likely be discussed at this meeting. We are anticipating a great 2018.

MMRG has no new members since last month. Although, we do have new badges that one of our members is making. The ones for officers have a blue background and the regular member's badges have a yellow background. Watch for them at swap meets and hamfests.

Merry Christmas and a Happy New Year

Bob Sitterley K7POF

President MMRG

ADAW

Test Sessions Continued from Previous Column

Jan 16th - Boy Scout Troop 127 -- 8:00 PM

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

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

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix
Contact - James Skinnell 602.826.1949

Jan 20th - Coconino ARC -- 9:00 AM

North Country Healthcare, 2920 N 4th St, Ste A1, Flagstaff
Contact - Roderick Martin 928.527.1139

Jan 20th - Unsponsored -- 10:00 AM

Kingman Fire Station #1, 2470 E Butler Ave, Kingman
Contact - Daniel Miller 928.897.3883

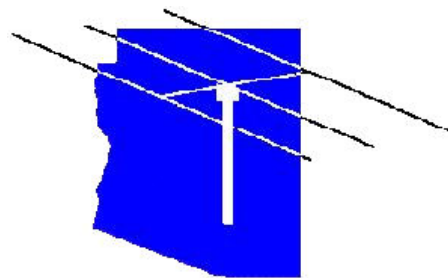
Jan 20th - Hualapai ARC -- 10:00 AM

Northern Arizona Fire District, 2470 E Butler Ave, Kingman
Contact - Alyce Ingle 425.234.9173

Jan 27th - 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



MARCA INC.

No Report Received

Tuesday, January 16, 2018, Charles K. Luster Building, Annual Club Auction!

The meeting starts at 7:00 PM, but come early and look over the auction goodies! I reviewed the arrival times with the President, so here goes:

If you want time to look over the auction goodies, please arrive by 6:30. We may have complete stations that can be in the \$200 (or more) range, worth every penny, too! So come prepared!

Auction goods should arrive by 6:15 PM and should have your name and price on each piece. Also, what items are bundled and what items have a minimum-bid requirement. The club gets 10% off the top of any item sold at auction, but you can add a higher break for the club on your label. Thank you!

A description should clearly identify the item and its working condition, any other information that may assist the auctioneer. We will enter your goods into a log for the auctioneer to work from.

Members and visitors alike are welcome!

Superstition Club Meeting Prize Drawings

The Superstition ARC holds several radio-ready-to-use prize drawings at its club meetings throughout the year. They range from handhelds to mobiles to a Shack-in-the-Box complete station rig! Brent Butler, W7FK was appointed in midterm as Secretary, and he has provided me his Minutes since May.

The Yaesu FT-991 HF shack-in-a-box goes for \$20 per ticket with just 100 tickets to sell. Tickets are sold at the meeting and at other club activities to support the Repeater Fund. As soon as the 100th ticket sells at a club meeting, we draw the winner on the spot. If that ticket sells out between club meetings, we will hold the drawing at the next meeting.

We promote the sale of Hamfest main-prize tickets at every meeting, once they become available. The tickets we sell that night are placed in a can for drawing and the winner takes home a small prize. All of the tickets are then entered into December's Hamfest Main Prize Drawing.

We sell \$1 tickets or 6 for \$5 for a small VHF or higher handheld transceiver, and for a more-capable mobile, those tickets go for \$5 each and 6 for \$20. The drawing is held that night.

In future issues I will pass along current prizes and who won.

November Election Results

We've drawn a Full House in our Board seats, Jeffs over



ADAW

Superstition Continued from Previous Column

Dans! For years, the name "Steve" has appeared as a Pair or a Three of a Kind.

This will be Steve Estes' tenth year as President. He has indicated that he will be retiring at the end of 2018. (Say, it HAS been awhile since we've had an advisory, nonvoting position called, "Past President!")

Superstition ARC 2018 Officers

- For 2018 President Steve Estes, KB7KWK
- The 2018 Vice President Andy Keels, KD4ABB
- Our 2018 Secretary Brent Butler, W7FK
- And 2018 Treasurer Douglas Mitchell, W7ADD
- The 2018 Board, Superstition ARC
 - Don Rollock, W2EUL
 - Dan Karnes, W7TWR
 - Jeff Heinze, N7CCW
 - Larry Fort, AB7C
 - Jeff Machesky, K7ZLX
 - Dan DeVlieger, KC7MSU
 - Jeff Harris, K2DFE

Congratulations to all of you!

House is getting painted

I will have to push this issue out the door. Wishing you all a Merry Christmas and Happy 2018!

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

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

Merry Christmas and Happy Holidays to Everyone!

The OVARC Christmas Holiday Party was another success. Our pot luck event gives so many of our talented "chefs" a chance to show what they can do in the kitchen. Everything was spectacular.

After our first Field Day Challenge loss, the Field Day plaque was delivered to the winner, The Coconino Amateur Radio Club. With the score confirmed, CARC won the challenge with a healthy margin. Congratulations to CARC for a great score! Plans are forming already to win the plaque back in 2018.

The turn of the year means its time to renew your OVARC dues. Dues are the lifeblood of the club and allow us to do so many things. No matter which aspect of amateur radio that you enjoy, OVARC has something to offer so please renew your membership for 2018. Of course new members are always welcome. In fact joining in January gives you a full year of meetings and many other events.

January is also the month we have board elections. This year five board seats are up for election. All of the current board members have expressed their desire to run for another 2-year term. Thank you to the directors for your dedicated service to the club!

Our recent technician class just ended and our graduates continue to excel. David, AK2L runs an excellent program and always manages to get a 100% pass rate when it's time to take the exams. The recent class will probably be getting their call signs this week.

Safe Travels to all who are traveling over the Holidays and Happy New Year!

73, Steve

Superstition Continued from Previous Page

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

Club Nets

Morning Drive Time Net: Mon-Fri, 7:00-8:00 AM - Trivia
City of Mesa CERT Team Monthly Net: First Tuesday of month, 7:00 PM

Weekly 6 Meter Sideband Net: Wednesdays, 7:00 PM on 50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex

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

Mesh Information Net: Thursdays, 6:30 PM

East Valley Swap Net: Thursdays, 7:30 PM

National History Net: Thursdays, 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. Visit: <https://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.

ADAW

Looking for a Ham Home?

Rare in the valley: no HOA and towers under 75 feet require only building permit. Ham friendly neighbors.

QTH: Mesa, AZ \$330K 2078 sq ft, 4 bedroom, 2 bath, flat terrain w/5 antennas: **SteppIr DB-11**; **5/8 wave VHF/UHF**; 55 foot motorized *custom* tilt-over tubular US Tower; rated 90 mph *fully extended*; **Inverted 40/80 vees** on 35-ft flagpole; **30-ft marine vertical whip**, fed by SG-237 autotuner. Elegant ham shack/office with 110/220. Large shelved storeroom adjoins.

Home: Tile and hardwood plank flooring throughout. 15x14 masterBR w/walk-in, adjoins 11x22 office/ham shack, 110/220VAC, and 5x22 shelved storage room. Open plan cathedral ceiling L-R 17x28; with 9x10 dining alcove; 2-car attached garage w/air-conditioned shop; RV pad. Pool. More photos on qrz.com

Interested? Contact: denis@ix.netcom.com

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KENWOOD COUPON

TS-990S | 200W HF + 6M Transceiver

- World's first dual TFT display • 200W output on all bands • ± 0.1 ppm TCXO ensures both high stability and reduced power consumption • Triple 32-bit DSP's dedicated to main/sub receivers and band scope • Main receiver employs full down conversion, new mixer & narrow band roofing filters • Third order intercept point (IP3) +40dBm for highest level of RX performance (main receiver)

Call For Special Price!



\$40
KENWOOD COUPON

TM-D710G | 2M/440 Dualband

- V-V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions

Call For Special Price!



\$250
KENWOOD COUPON

TS-480SAT/HX | HF + 6M Transceiver

- 480HX 200W HF & 100W 6M (no tuner) • 480SAT 100W HF & 6M w/AT • Removable w/front panel/speaker • DSP built-in

Call Now For Low Price!



NEW

\$300
KENWOOD COUPON

TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function • Improved 1st mixer • New PFB key with multi-function knob • New split function enabling quick setting • LED backlight with selectable color tone



\$25
KENWOOD COUPON

TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch • "Five in One" programmable memory • 1000 multifunction memory

Call Now For Your Low Price!



\$40
KENWOOD COUPON

TH-D72A | 2M/440 HT w/extended RX

- 5W TX, RX 118-524 MHz, VxU, VxV, UxU • APRS w/built-in 1200/9600 TNC • Built-in GPS, Built-in USB, digipeater • Echolink® compatible, • Mil-Spec STD810

Call For Special Low Price!



\$200
KENWOOD COUPON

TS-2000

\$250
KENWOOD COUPON

TS-2000X

TS-2000/2000X | HF/VHF/UHF Transceiver

- 100W HF, 6M, 2M • 50W 70CM • TS-2000X 10W 1.2GHz
- Built-in TNC, DX packet cluster • IF Stage DSP • Backlit front key panel

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TH-D74A | 2M/220/440 HT w/D-STAR!

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- 2M 5.5W • VOX • CTCSS/DCS/1750 Burst built-in • Weather alert

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- 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

KENWOOD

PENCIL IT IN - THE 2018 YUMA HAMFEST is Friday, Feb 16 & Saturday, Feb 17, 2018 and HRO PHOENIX will be selling there this year!!! We would LOVE to see you in Yuma!

*Now serving you at our Phoenix store:
Manager Mike KB6VHF, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, and Laura KB6UHF*