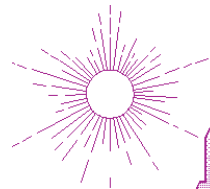


**ADAW**

4529 W. Park Place  
Glendale, AZ 85306-1512



**ADAW**

**Arizona Desert Aire Waves**

**Vol 43, No 4**

**April 2018**

**CLUB MEETING SCHEDULE**

<b>CLUB MEETING SCHEDULE</b>		<b>QCWA</b> March/April TBD Tucson Area 11:00 AM	<b>WVARC</b> Apr 2nd St Clement Catholic Church Social Hall 7:00 PM
<b>SARC</b> Apr 4th Scottsdale Senior Center 7:00 PM	<b>AARC</b> Apr 12th Red Cross Bldg. - Phx 7:30 PM	<b>SuperstitionARC</b> Apr 17th Charles K Luster Bldg 7:00 PM	<b>ARA</b> Apr 26th Denny's Restaurant - Tempe 7:30 PM
<b>OPRC</b> Jun 13th Marshall Conference Ctr at Tucson Medical Ctr 7:15 PM	<b>TBARC</b> Apr 19th North Phoenix Campus Northern Arizona University 7:00 PM	<b>MARCA</b> Apr 17th Denny's Restaurant - Tempe 6:30 PM	<b>MARA</b> Apr 7th Maricopa PD Community Rm 9:00 AM
<b>MCCARC</b> Apr 2, 9, 16, 23, 30 Mesa Community College Tech Bldg 7:00 PM	<b>CADXA</b> Apr 5th PERA Club 6:00 PM	<b>ANSR</b> Apr 19th via GoToMeeting 7:30 PM	<b>YARC</b> Apr 5th Mile High Middle School 7:00 PM
		<b>OVARC</b> Apr 20th Ascension Lutheran Church 7:30 PM	<b>TCARA</b> Apr 16th Goodyear City Hall 7:00 PM

# ADAW Member Clubs

## ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:00 p.m. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at [www.W7IO.org](http://www.W7IO.org) for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Mark Kesauer	N7KKQ	602.843.0960
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/.18 repeater.

President	James Wasson	N7ELL	480.456.1154
Vice President	Kelley Law	KF7ZVL	480.225.8515
Secretary	Paul Jorgenson	KE7HR	
Treasurer	Ed Nickerson	WU7S	480.949.5162
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Bob Johnston	K7TR	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	602.723.0700
	T D Kennard	N7ISR	
	Ray Vasquez	K4RMV	(ARCA Rep)
	Bruce Harmsen	KA9EYX	
	Chris Tabor	K7TAB	
	Irv Hembeck	K00TZ	

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](http://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	bmclean1@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: [www.ansr.org](http://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	Brian McCarthy	AK7F	623.670.0410
Vice President	Chris Johnson	K6OZY	623.866.2777
Secretary	Gary Cline	AF7BJ	
Treasurer	Darren Johnson	AF7CO	
Board Members	Clair Wyant	KG7MAJ	
	Wayne Hale	W6IZK	
	Robert Fairfield	K7RQN	
	Andrew Cornwall	KF7CCC	
Past President	Gary Duffield	WK7B	602.843.7724

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: [info@w7tbc.org](mailto:info@w7tbc.org) or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 32544, Phoenix, AZ 85064-2544.

## 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	John Marshall	WA7BST	623.334.2583
Vice President			
Secretary			
Treasurer	Dave Hanson	W7BJ	w7bj@outlook.com
Webmaster	John Marshall	WA7BSR	623.334.2583

Web Site: <http://azqcwa.org> Email: [azqcwa@gmail.com](mailto: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	Bob Sitterley	K7POF	928.636.2146
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](http://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	480.251.0551
Vice President	Andy Keels	KD4ABB	602.809.3561
Secretary	Brent Butler	W7FK	480.332.1141
Treasurer	Douglas Mitchell	W7ADD	480.540.4110
Board Members:	Dan DeVliieger	KC7MSU	480.335.4914
	Dan Karnes	W7TWR	602.502.5259
	Don Rollock	W2EUL	w2eul@yahoo.com
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	Jeff Marchesky	K7ZLX	602.628.0238
	Larry Fort	AB7C	480.861.7066

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277. Web Site: [SuperstitionARC.org](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://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](mailto: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](http://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 Freeman Building in the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at [www.w7yrc.org](http://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	Joe Thomas, KG6IDN	vice_president@w7yrc.org
Secretary	Art Jackson, KA5DWI	secretary@w7yrc.org
Treasurer	Mike Reid, N7IEP	treasurer@w7yrc.org
Board Members	Frank Bender, K8FB	k8fb@w7yrc.org
	Don Bauer, WB7TPH	wb7tph@w7yrc.org
	Dave Hanson, W7BJ	w7bj@w7yrc.org
	John Laing, K7PRS	k7prs@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](http://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](http://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	480.345.7800
Treasurer	Karen McConaghy	NO7D	602.799.7338

Board Members:

Jean W4CIH	ADAW, Publicity
Steve WB4ZSC	Tech/IT, CARL/ASC Interface
Fred K9TOS	Logbook/QLS
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](mailto:carl@w7asc.org) or call Jack, KD7ROB at 480.759.5195. Web Site: <http://www.w7asc.org>

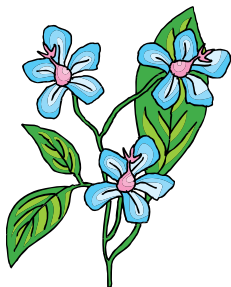
## CENTRAL ARIZONA DX ASSOCIATION

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](http://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	Reinhard Geissler	K7RGG	d11uf@compuserve.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [cadxa@cox.net](mailto: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](http://www.cadxa.org).

**ADAW**



## TRICITY AMATEUR RADIO ASSOCIATION

The TriCity Amateur Radio Association meets the **THIRD MONDAY** of the month at 7:00 p.m. in the Goodyear City Hall Conference Room located at 190 N Litchfield Road in Goodyear. Parking is available on the west side of the building. (A social gathering is held at Village Inn at 2700 N Litchfield Road after the meeting.) Weekly Rag Chew every Wednesday at Village Inn (2700 N Litchfield Road) at 2:30 p.m. All hams are welcome. Weekly net is held Wednesday evenings at 7:30 p.m. on 446.400 MHz (PL 100 Hz). Events are posted on our Yahoo Group page at <https://groups.yahoo.com/neo/groups/TRICITYARA/info>

President	Bob Nobis	N7RJN	n7rjn@nobis.net
Vice President	Open		
Secretary	Carol Melton	AF7N	ak7n@azsnaps.com
Treasurer	Arnold Knack	KA7AOK	ka7aok@gmail.com

TriCity ARA, P O Box 6293, Goodyear, AZ 85338-6293. DUES: \$18.00/yr. for individuals, \$25.00 for family. Web Site: <http://tricityara.org/index.htm> (currently under construction).

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



**Administrative Professional's Day  
April 25th**

**ADAW**

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

## ADAW Staff

### PUBLISHER / MANAGING EDITOR

Christine Kesauer N7PVL 602.843.0960

### AARCEDITOR

Lori Cripps WA7EDI 602.955.7517

### ANSREEDITOR

Steve Miller W6SDM 602.290.1603

### ARAEDITOR

T D Kennard N7ISR [n7isr@w7ara.net](mailto:n7isr@w7ara.net)

### ARCCEDITOR

Mark Kesauer N7KKQ 602.318.2920

### CADXAEDITOR

Lee Finkel KY7M [ars-ky7m@cox.net](mailto:ars-ky7m@cox.net)

### CARLEEDITOR

Jean Jolkovski W4CIH 480.664.7353

### MARAEDITOR

Steve Miller W6SDM 602.290.1603

### MARCAEDITOR

Norm Johnson AA7OO 480.278.2886

### MCCARCEEDITOR

Charlie Brown NJ7V 602.529.4381

### MMRGEDITOR

Lori Cripps WA7EDI 602.955.7517

### OPRCEDITOR

Ron Kalish N7SPW 520.207.3852

### OVARCEEDITOR

Ron Herring W7HD 520.240.5322

### QCWAEDITOR

Tom Fagan K7DF 520.574.1129

### SARCEEDITOR

Ed Nickerson WU7S 480.949.5162

### SuperstitionARCEEDITOR

Larry Kuck WB7C [l.m.kuck@gmail.com](mailto:l.m.kuck@gmail.com)

### TBARCEEDITOR

Andrew Cornwall KF7CCC [kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)

### TRICITYARA

Bob Nobis N7RJN [n7rjn@nobis.net](mailto:n7rjn@nobis.net)

### WVARCEEDITOR

April Kramer KI7GFJ 602.284.6312

### YARCEEDITOR

Don Bauer WB7TPH [dbauer2250@aol.com](mailto:dbauer2250@aol.com)

### TECHSUPPORT

Mark Kesauer N7KKQ 602.843.0960

**ADAWEMAIL** [adawaz@arca-az.org](mailto:adawaz@arca-az.org) or [adaw@adaw.org](mailto:adaw@adaw.org)

**ADAWWEBSITE** [www.adaw.org](http://www.adaw.org)



The main topic of discussion at the March 2018 Tri-City ARA was on Wireless Mesh Networks, specifically the AREDN™ (Amateur Radio Emergency Data Net) Mesh system. Bob Moore (AL7MH) and Bob Nobis (N7RJN) have been running local tests using Ubiquiti NanoStation™ wireless routers with AREDN™ firmware loaded. Testing is being done on the ham portion of the 5.8 GHz (5 centimeter band). The AREDN™ Project's focus is Emergency Communications (EmComm). It seeks to provide hams a means to implement this technology in practical ways to support local and regional emergency communications needs.

One major advantage of wireless mesh networks is that a broken node will not restrict the transmission of data in the network. Each node is connected to several other nodes, which make it easier to relay data. A broken node device will be ignored. Data will then find a new path to another nearby node that is connected in the mesh network. Nodes programmed with the AREDN™ firmware do this automatically and seamlessly. One other advantage is that the cost of entry for a single operational node is about \$100. Solar powered nodes would be more expensive.

AL7MH and N7RJN are continuing to run tests to determine the maximum range of the wireless routers. Also tests of various applications such as text messaging, email, VoIP, and IP video are planned.

The goal of this wireless mesh activity is to establish an emergency wireless mesh network for the West Valley. Anyone interested in participating in this activity please contact N7RJN or AL7MH. (Contact details are on the QRZ.com web site.)

**ADAW**



**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](mailto:rahaworth@cox.net)*



### 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

The evening of March 8 was a VERY special evening at the American Red Cross Building! It was a combined open house of the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club (ARCCC). It was a chance to familiarize everyone with the facilities at the American Red Cross Building. Attendees were shown around all the facilities, including the communications truck (the “Command Van”), the two operating stations, and the roof of the building with all its antennas and the two repeaters. The AARC meeting was a planning session for the April 14th swap meet in the DeVry University parking lot located at 2149 W. Dunlap Avenue in Phoenix. There are usually about 55 vendors in attendance selling new and used radio equipment and electronics of interest to ham radio operators. We hope to see you there.

At the meeting we were treated to a very delicious St. Patrick’s Day cake provided by Chris, N7PVL, as well as special coffee from the Kona coast of Hawaii, brought by President Gary Hamman, K7GH, and Lori Cripps, WA7EDI.

Don’t forget to check into the AARC weekly net held every Thursday except the second Thursday of the month which is meeting night. The net starts at 7:00 PM on 147.060 and utilizes the W7UXZ repeater which requires no PL tone. There is also an Echolink connection for this net. If you prefer to check in or listen via Echolink, connect to W7IO-R.

73,  
 Lori, WA7EDI

We had our open house on March 8th, co-hosted by our sister club, the Arizona Amateur Radio Club (AARC). Did a tour of the facilities and had a nice time socializing. We might have picked up a few new members in the process.

You don’t need to come to an open house to visit the facilities or look at what we’re up to. Come visit us on-line at [www.k7arc.org](http://www.k7arc.org), or send us an email (under contacts) for more info. There is usually a member down at the chapter during the weekdays, so contact us and we’ll show you around.

Our UHF repeater now covers more of the valley due to a change in antennas. I’m able to get into it from the NW valley from my home (43rd Ave. and L101), whereas I couldn’t before. We still have some audio work to do on it as well as adding an RF pre-amp to help with reception, but our “Problem Child” is working better.

Last Thursday, ARCCC members helped with a surprise Palo Verde Nuclear Plant drill. Some of us were remotely stationed in Wickenburg, while others operated at the Red Cross Chapter. Seems all went well and we even got to play with Winlink to pass messages. Our thanks goes to Peter KD7OIW, Larry AA0LB and volunteer members of the chapter for their support with this last minute exercise. Rumor has it there will be another communications event in late May, so stay tuned.

Have you heard about the PSARG net on Tuesday noon (12:00 PM)? Check it out on the K7ARC VHF repeater and the N7MK 220 repeater on Pinal PK. Our Echolink node is on 24/7, so you can check in via that way as well (provided no one accidentally turns it off like last Tuesday).

Your Humble Scribe,  
 Mark, N7KKQ

**ADAW**

**ADAW**

*Our delicious refreshment table at the Open House.*



*Mark, N7KKQ poses with the Operations Command Center*

# The March AARC & ARCCC Open House at the American Red Cross Building



Lori, WA7EDI with the "goodies" table



Mark, N7KKQ and Charlie, N2TFS check the computer



Gary, K7GH makes the coffee



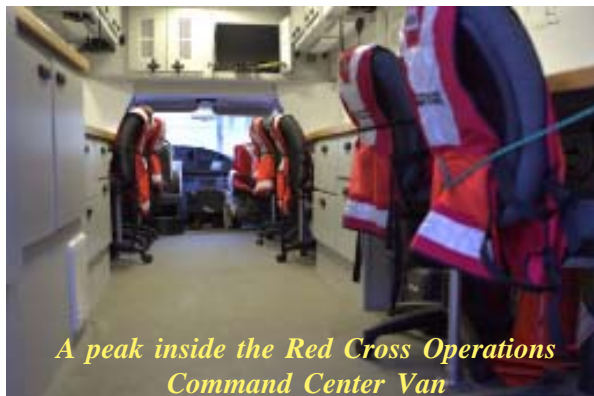
Frank KB7IQ, Steve W7WSV, and Peter KD7OIW



And the gang's all here for Hamfest planning!



John, K6JWA and Frank, KB7IQ check the Communications Room



A peek inside the Red Cross Operations Command Center Van





*CARL Continued from Previous Column*

father – well, he is still licensed and one of the veteran volunteers at W7ASC. And they all lived happily ever after.

\*\*\*

The C.A.R.L. Annual meeting was held early in February. This meeting gave everyone present to meet the new volunteers. The doughnuts were there, too, in abundance. Officers were elected and items of general interest were discussed. The primary emphasis was on improving the visual appeal of the Shack. Too many visitors simply walk by without realizing that there is much to do there. The Shack is located in a gallery that offers many visual displays, and the Ham shack has, at present, nothing that competes for attention. The volunteers will attempt to be creative.

The Station continues to receive equipment donations. The families of recent SKs have asked if they could contribute the equipment that is still gathering dust. Some of the volunteers take it upon themselves to evaluate the collections. Everyone benefits from such donations. The family receives a tax deduction, and the Shack can benefit by selling that inventory. And, of course, C.A.R.L. volunteers perform a service to the families.

\*\*\*

We are constantly on alert for stories about how people got started in Ham radio. Here are a couple that your diligent reporter found.

A local family has a precocious daughter who completed her school assignments far ahead of schedule. What could keep her interested? Challenged? Her father hit upon the idea of introducing her to Amateur radio. Within the family there was competition between the mother, a well-educated professional, and the daughter. Ham radio was something that the mother had not accomplished. The daughter dug in and mastered the Technician license test in short order. Her father, an engineer, realized that he had better stay ahead of the daughter, or at least keep up. So he, too, passed the Tech exam. But the father wanted to stay ahead, so he did some studying and passed his General and Extra.

By this time the daughter had been accepted as a volunteer by the Arizona Science Center, though there was some skepticism in the volunteer management office. A 10-year-old volunteer? But she proved herself to be great with visitors, and a great example of youth in Ham radio. That young lady is now in college, well along in engineering. No surprise there! And the

Another volunteer was, in years past, gainfully employed by the Government. His younger brother had been a Ham for many years. A fellow employee at the Government agency was also a Ham. Our subject had on-air experience at his brother's station, so Ham radio was a part of his life. But he just never got his own license until later in life. His agency worked with Hams, so he decided that he, too, could become involved. He now has his license and is a regular volunteer at W7ASC. He also brings the agency-specific expertise to the Station, especially during Field Day, when he has a presentation where he explains the role of Ham radio in helping his old employer to perform their mission. Though now retired, he still contributes to the well being of the community and is the resident W7ASC expert on SkyWarn.

\*\*\*

The Pompeii exhibit at the Arizona Science Center continues to attract a steady stream of visitors. Many of these stop in at the Station. Among these are Hams, some of whom are either new to the Valley, or new to Ham radio. For these Ham visitors, copies of the ADAW are very popular. Let us remind you that your club newsletters, which are part of the ADAW, are being widely distributed. This is your opportunity to attract new members. Keep that in mind as you write. This influx of visitors will probably continue until the exhibit is closed in early May.

If you are in the area, stop in the Arizona Science Center and find the W7ASC demonstration station on the third floor in the "My Digital World" gallery. Talk to the volunteer on duty about volunteering. There is no reason why you cannot share in the fun. Your feedback, comments or complaints will always be welcome. How did YOU get started in Ham Radio?

73 until next month.  
DE W4CIH Jean  
480-664-7353  
jeanjol@hotmail.com

**ADAW**

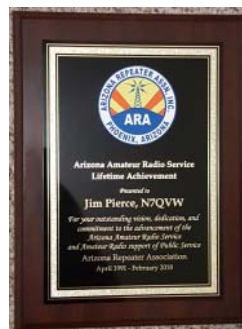
*Continued Next Column*



*ARA Continued from Previous Column*

As a person, Jim invested in people and developed the leadership in others. His actions demonstrated the principles of success which have been imparted on many of the people who served with him. Jim was the first one to arrive, the last to leave, and he did not hesitate to take the worst jobs on the list. His handling of the politics involved with any event, or activity, granted the volunteers the freedom to accept the challenges at their own pace and focus on the health, welfare, and enjoyment of the participants. Jim always stayed engaged and knew when it was necessary to make a strong argument. Jim mostly cared about the people. He was able to forgive, cut each other slack, leave no one behind, and provide an opportunity for people to grow.

It is safe to say the Amateur Radio Community in the Phoenix Metro, Maricopa County and the State of Arizona would not be the same without Jim Pierce. At the February General Meeting, the ARA recognized Jim's contribution, and 27 years of dedication, with a Lifetime Achievement Award on behalf of the Arizona Amateur Radio Service.



The inscription reads:

*“For your outstanding vision, dedication, and commitment to the Arizona Amateur Radio Public Service and Amateur Radio support of Public Service.”*

As no Public Service event is complete without the shirt, Jim was awarded his shirt for the event with the appropriate statement on the back:

## *A Tribute to Jim Pierce, N7QVW*

by Brian McCarthy, AK7F

Whether young or old; new ham or long time serving; new to the ARA, or have been around for a while, most know Jim Pierce, N7QVW and what he means to Amateur Radio in Arizona. As I am preparing this article, Jim is closing on the sale of his house in Desert Hills and beginning his drive to Pennsylvania to open a new chapter in his life, “Retirement” (I use the term loosely as I have never seen Jim not going full throttle).

Jim has been an active Ham since April 1st, 1991 and was active in Public Service prior to becoming a ham. He served as a Post advisor for two different Explorer Posts and met Dennis Campbell, KA7VAB/AE7WU, through the Explorer Program.

Jim has been active in the ARA for nearly 27 years. He has served on the tech committee as a tower climber, equipment installer and present on many site maintenance trips. Jim has served more than 20 years on the ARA Board of Directors with 10 years as ARA's President, and has led the organization to new levels in the support of the community.

Jim's passion has always been to serve others. This was evident in his endless dedication to Public Service. Jim did not want to just do an event, he was always committed to the cause and the people involved. Jim knew the only correct plan was the one updated after the event. He also recognized that the best laid plans never included the surprises which popped-up in the first 30 minutes of the events. Many of the event organizers have recognized Jim for his giving and he has made countless friends from the organizers.

Jim's passion and dream for public service was larger than the ARA. His dream included all Hams in Maricopa County and, together with Ron Reynolds, N7WTF (SK), and Ed Karsten, K9EDK (SK), created Maricopa County Emergency Communications Group (MCECG). MCECG is not a club, does not have dues, and does not have a board of directors. It is an ever-growing group of Hams from all walks of life and all clubs, which are devoted to using their radios and training through the service of charities and the community. Each event is a training opportunity for new Hams, event leadership and a place for all Hams to practice their radio skills.

*Continued Next Column*

*Continued on Page 11*

## Hamfest Calendar

14 April 2018 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Amateur Radio Council of Arizona will be held at DeVry University, 2149 W Dunlap Avenue in Phoenix. Hours are 6:00 AM to 11:00 AM. Admission Donation: \$2.00. Tailgate Spaces: \$10.00 each. VE Testing in school library at 9:00 AM. DX QSL Card Checking from 9:00 to 10:00 AM. Commercial Vendors - Tailgaters - Prizes - Coffee - Doughnuts - Sodas. Talk-In on 147.060 (+) PL 162.2 Hz. Contact Gary Hamman at [k7gh@arrl.net](mailto:k7gh@arrl.net) or 602.996.8148 for information or to reserve a space.

7 May 2016 - **Cochise Hamfest** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 S Moson Road in Sierra Vista. Hours are 7:00 AM until 12:00 Noon. An Open House demonstration of amateur radio communications will be held. VE Testing Available. Prizes. Breakfast and Lunch will be for sale for a reasonable price. Contact Lee Ilse, KD7OED at [kd7oed@arrl.net](mailto:kd7oed@arrl.net) for more information.



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](http://www.prescotthamfest.com) or email Hamfest Chairperson - Frank Bender, K8FB at [k8fb@w7yrc.org](mailto:k8fb@w7yrc.org)

28-29 July 2018 - **Hualapai ARC AutoShow/Hamfest** - hosted by the Hualapai Amateur Radio club will be held in the Cerbat Lanes Parking Lot, 3631 Stockton Hill Road in Kingman. Hours are 8:00 AM til ?? For information, contact Bill Beaman at 928.718.1139.

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](mailto:fest@copafest.org) or visit the website at [www.copafest.org](http://www.copafest.org).

*ARA Continued from Page 10*



*"I Survived . . . Amateur Radio in Arizona"*

This phrase sums up a quarter century of Jim's life. In fact, as Jim departs Arizona, Amateur Radio in Arizona will continue to grow because of the trained individuals and contagious attitude Jim has implanted. Although we are deeply saddened by his departure, we are all very happy for Jim and wish him the very best in all of his future endeavors. Jim will be missed.



**ADAW**



Who needs sunspots? We had an amazing amount of DX activity in March with DXpeditions to Spratley Is. (9M0W), Kosovo (Z60A), Benin (TY7C), Congo (TN5R), Rotuma Is. (3D2EU), Equatorial Guinea (3C3W), and Annobon Is. (3C0W). I hope you took advantage of this opportunity to work new ones on multiple bands and modes. I was able to add several of them on 160m and 80m for new DXCC Challenge credits. So, we could not work them on 10 or 12 meters – we could still work them.

A number of us were able to participate with AA7A in the beta testing of the latest FT8 version of WSJT-X for DXpeditions using a sophisticated “Fox” and “Hound” arrangement. Ned was able to sustain a rate of over 400 Qs/hour for part of that test — exactly what the K1JT team of developers was hoping to achieve. There will be further refinements to the software before it is rolled out for regular use by DXpeditions later this year. Are the remaining days of RTTY numbered??? Time will tell.

A really exciting development this past month has been the club’s adoption of the Slack chat room program for DX spotting. After several years of frustration with time delays and other issues with our Yahoo Group, this instantaneous means of communication seems to be a worthy alternative. As I write this, we have 54 members on the Slack channels. Send me an email if you want to join us there. The Board will consider the future of the CADXA Yahoo Group at its next meeting. Many of the large reflectors have recently moved from Yahoo to Groups.io and we will consider that option.

At the March CADXA Board Meeting there was approval of two nominations for entry into the CQ Magazine Halls of Fame, announced each year at the Dayton Hamvention. We nominated Ned Stearns, AA7A, for the DX Hall of Fame, and Fred Lloyd, AA7BQ, President and Founder of QRZ.com, for the Amateur Radio Hall of Fame. I will let you know what happens with those nominations.

I hope to see some of you at the International DX Convention in Visalia, April 20-22.

**Next Meeting is April 5th at the PERA Club at 7:00 p.m.**

The April Meeting will be held at 7:00 p.m. on Thursday night, April 5th, at the PERA Club. Our program will be “I’m from the Government Planning Department, and I’m here too,” presented by Dr. Jonathan L. Kramer, W6JLK. Dr.

*Continued Next Column*



The MMRG is happy to report that there is nothing to report. The equipment is working WELL!! What more could we ask for!

—K7POF and WA7EDI

**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*

---

***CADXA Continued from Previous Column***

Kramer is an attorney and heads Telecom Law Firm P.C. in Los Angeles and La Jolla. For more than 25 years, Jonathan has served over 1,000 private and government clients, including governments in Arizona, as a wireless technology planning advisor and project reviewer. Those projects have also included ham radio tower permitting projects.

Please feel free to arrive early to socialize with your friends. Refreshments will be served at the break. Guests are always welcome.

73,  
Lee, KY7M  
CADXA President

**ADAW**



*No Report Received*

You might have seen the Thunderbird Amateur Radio Club in places you didn't expect. For February, March and April, we've been part of the Arizona SciTech Festival, and our monthly meetings have been scheduled as events there. We're also looking at expanding our reach to other places where people who might be interested in ham radio congregate. Instagram and Meetup.com are a few likely candidates.

Speaking of which - if you're interested marketing and adding to your social media portfolio, we'd love to have your help. Feel free to step forward at a meeting or send an email to [info@w7tbc.org](mailto:info@w7tbc.org) and we can chat about how we can expand TBARC's reach to populations we haven't been attracting up to now. All ideas are welcome!

If you're interested in emergency communications, keep your eyes peeled for the upcoming National Disaster Medical Service (NDMS) exercise. It's coming up on May 22, and is likely to need a large response from the ham community. In previous exercises we have sent and received traffic from the hospitals we support about patient transport from the airport. This year it's happening in the middle of the Arizona National Mass Care Exercise. Details are still being worked out, but if you have the option and the interest, keep Tuesday, May 22nd free from 8 AM to 4 PM.

From disaster to triumph: Once again this year, Chuck Adams, K7QO has kindly offered to lead a Morse code course. It will run on Tuesday evenings from May 8th through June 26th, 2018. We'll meet from 7:00 p.m. to 8:15 p.m. at HonorHealth, formerly John C. Lincoln, Hospital, Deer Valley Campus, 19829 N 27th Ave (SW corner of North Loop 101 and I-17 stack). The course is free - but you do need to sign up! Contact [course@w7tbc.org](mailto:course@w7tbc.org) for more information or to register. Chuck is a bit of a celebrity in the Morse code world - he has copied Morse at 140 WPM and that earned him a mention in the Wall Street Journal. Take advantage of the chance to learn from a master!

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](http://w7tbc.org) for directions. In April, the main presentation will be How AllStar Radio Works by Wayne Hale

*Continued Next Column*

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Xterra Black Canyon Trail Run	Black Canyon City	03/11/18
Mesquite Canyon Tour de Cure	Waddell Midwestern University 59th Ave & Loop 101	03/17/18 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
Pancake Run	Paradise Valley Mall	02/03/19

To sign up for an MCECG Public Service Event: [www.mcecg.net](http://www.mcecg.net)

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, [ke7ejf@cox.net](mailto:ke7ejf@cox.net), or contact the Event Coordinator for the event.

### *TBARC Continued from Previous Column*

W6IZK. Wayne is a local expert on AllStar, as well as a club member. Have you been thinking about operating a radio remotely? What about checking into your favorite repeater on the East Coast? It's possible - join us and learn more!

Andrew Cornwall , KF7CCC  
[kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)





*SARC Continued from Previous Column*

The ham at the park on Fridays is going strong again. The event is on Friday mornings around 9 at the Pima park. The park is on Indian School road at Pima road. The Saturday morning coffee event is also a great time to chat with the fellow club members. This is at the Denny's restaurant at the pavilions.

Club operation center at work



The March club meeting program was mostly about the upcoming hamfest. A lot of club members were volunteering for all of the positions that make the event a success. There was also a discussion about restoring Senator Barry Goldwater's Collins Radio Equipment. He used this equipment during the Vietnam War to provide phone patches for the troops to their loved ones here in the states. An outstanding effort. Once restored, the entire station will be placed in the Museum at the National Guard post on McDowell Road and 52nd street.



ARRL talking to quite a few hams

Bill Kouchis, N9EIV, brought up an interesting idea. It seems the MARC club would like to share some of their repeaters with us. This would mean some extended coverage for our system. There will be more discussion for sure on this idea.



The same thing at the repeater booth

On Saturday March 17th we held our annual SpringFest. The weather men had vacillated between a Rainy day and Sunny one. Fortunately it turned out to be Sunny. The turnout was great with many vendors and sellers. I saw a lot of things leaving the event. We held our grand prize drawing at noon.

The winners are:

Fourth Prize: A dual band Diamond antenna

Bill Kouchis, N9EIV

Third Prize: Yaesu FT-2980-R

Chuck Bell, k3HHP

Second Prize: Yaesu FT-70DR/DE

Larry Kane, AJ7H

First Prize: Yaesu FT-100-DR/RE

Mitchell Douglas, W7ADD

Of course what would be hamfest without a few pictures.



Club operation center at work

I took a lot of pictures of the vendors but there is not room on this newsletter for all of them. But there were a lot of them and they all seemed pretty happy.

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 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

*Continued Next Column*



Arizona Near Space Research had flights launch from Dateland, Arizona on Saturday, March 3. Originally, the flight was to launch from the University of Arizona Agricultural Center in Maricopa, but flight predictions brought us too close to restricted airspace. As is our usual practice when this occurs, we either change or cancel the flight.

Both balloons were 3000-gram latex weather balloons, filled with helium. The flights, designated ANSR 115 and 116 respectively, were the 28th and 29th in a series of ASCEND! flights sponsored by the NASA/Arizona Space Grant Consortium. The payloads contained a variety of scientific apparatus designed and constructed by students from Arizona colleges and universities. Both flights went according to plan and recovery was near Buckeye, Arizona.

ANSR flights combine a number of activities including the science of high altitude balloon flight, ham radio, off-road driving, APRS, and GPS technology. Skill levels range from beginner to advanced "Elmers" who have been doing this for years. We work with students who may very well be our future astronauts, astrophysicists, pilots, or other positions in the aeronautical industry. Every student we work with is exposed to ham radio during the tracking and recovery. Many obtain their licenses and become amateur radio operators.

If you would like to be a part of ANSR or just observe the activities in person, visit our web site at [www.ansr.org](http://www.ansr.org).

The OVARC March Operating Event at Picacho State Park was a huge success. Over 35 people turned out for the event including a few dogs. Hats off to Tom, W8TK for organizing the event and being such a good Elmer to those getting their first experiences in ham radio. Our grill-meisters, Ross, K4WBR and Fred, W2HZ did a great job cooking for the crowd. Thank you to all that made this event possible. During the event, Paul K7AZT organized some antenna testing on several different types. We learned a lot from our first tests and I'm sure we'll be doing this again at future outings.

Our soldering class is scheduled for this coming Friday. The club has purchased some kits for the attendees to assemble in an effort to teach some good soldering skills for those that wish to home-brew their own electronic assemblies and circuits.

Our regular OVARC meeting is April 20th. The topic will be DMR and we are fortunate to have a DMR expert in our club, Bob KA7VPR. Bob has been immersed in DMR for sometime so we'll all get a chance to learn from his experiences.

Our technician class will be completed in early April. The expectation is that we'll have about a dozen new technician class licensees at press time.

Dayton and Field Day are around the corner!

73, Steve



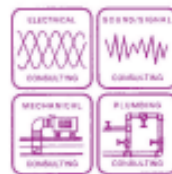
**SARC CONSTANTS:**

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.



**R.J. CARLI ENGINEERING CORP**



7311 E. STETSON DRIVE  
SCOTTSDALE, ARIZONA 85251

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

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

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

## 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.

### April Test Sessions

**Apr 5th** - 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](mailto:veregistration@rstclub.org)

**Apr 7th** - Western Arizona Radio Club -- 10:00 AM

Mohave Cty Bullhead City Library, Bullhead City  
Contact - Carolyn Krick 928.897.7439

**Apr 7th** - Venture Out ARC -- 9:00 AM

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

**Apr 7th** - Oro Valley ARC -- 10:30 AM

Oro Valley Police Dept EOC, 1920 E Tangerine Rd, Oro Valley  
Contact - Quinton Gleason [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org)

**Apr 7th** - DeVry ARC & WVARC -- 9:00 AM

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

**Apr 9th** - Radio Society of Tucson -- 7:00 PM

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

**Apr 14th** - Venture Out ARC -- 9:00 AM

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

**Apr 16th** - East Valley VE Team -- 6:00 PM

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

**Apr 17th** - Boy Scout Troop 127 -- 8:00 PM

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



ADAW

-----  
*Test Sessions Continued from Previous Column*

**Apr 18th** - Thunderbird ARC -- 6:00 PM

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

**Apr 21st** - Coconino ARC -- 9:00 AM

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

**Apr 21st** - Un-sponsored -- 10:00 AM

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

**Apr 21st** - Hualapai ARC -- 10:00 AM

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

**Apr 21st** - Venture Out ARC -- 9:00 AM

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

**Apr 28th** - Venture Out ARC -- 9:00 AM

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

**Apr 28th** - 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

ADAW

*Continued Next Column*





## *Superstition Continued from Previous Column*

My sincere thanks to Andy Keels, KD4ABB and the rest of the Board for the full-year of activities and meeting presentations! That list will be used to fill this space with upcoming events!

Here, in chronological order are our late March, followed by April's club activities, just in case this issue reaches you in time!

**Tuesday, March 20's Meeting** will feature Andy, KD4ABB conducting an ELMER PANEL DISCUSSION. In amateur radio, an ELMER is a person, sometimes whose first name just might be Elmer, who has some expertise with a given area, say antennas, how to put one in an HOA-restricted area; maybe handheld radios and how to get the best performance from them; helping read the on-line manual for your radio and explaining, step-by-step, how to program your radio to properly access the repeaters and simplex: "Give it to me in American, Big A, A so's [sic] I can understand!" goes the Jerry Reed lyric in The Uptown Poker Club country music. These Chinese manuals can be awfully lacking in clarity.

### **Saturday, March 24 Falcon Field Open House**

Falcon Field, an airport in northeast Mesa, will be hosting an Open House. There will be many vendors set up to cater to the visitors. The Superstition Amateur Radio Club will be there, too. Very likely on our display table may be our amateur radio mesh network and maybe a broadcast-quality fast-scan amateur television station.

### **April 17 General Meeting starts 7 PM**

The Third Tuesday in April brings us "How To Do SOTA," presented by Brian, W7JET. "SOTA" is "Summits On The Air," where amateur operators make radio contacts from the summit of a mountain. It always involves a short hike from your car to the top, many times an easy hike, sometimes a more gruesome hike better suited for the physically fit. I will invite you to attend our meeting and hear firsthand how it's done by a man who has put many peaks on the air, and turned this into a monthly club activity!

For people on the ground, the activity allows them to log yet another summit, just as amateurs may collect states and counties.

### **Saturday, April 21 Club Picnic at Red Mountain Park**

The picnic will be held between 11:00 AM and 2:00 PM under a ramada at Red Mountain Park. The park is between Power Rd. to the west and Red Mountain 202 Freeway to the east and is just east of the high school on the south side of Brown Rd. The club website will have updated information about which ramada is ours for the time.

### **Additional Meeting Notes**

Programs in 2018 are being geared to be of interest to the newcomer and not overly technical and "over the head." Visitors are always welcome.

Attendees will go home with a brand-new ham radio, paid-for with the sale of drawing tickets. I have been asked to publish the prizes won at the club meetings and their winners in this column. When I receive the names of winners, I will bring you up-to-speed. "Watch this space!"

### **Repeaters Updated**

On March 3rd, the Technical Committee took the linked repeaters down and refitted them with outboard controllers with better capabilities. No more will Communications audio be blanked during the repeater ID.

### **March President's Corner** by Steve, KB7KWK

It was great to see all the new hams at the February club meeting. Our presentation was on Antenna Theory 97. Andy, KD4ABB and Jeff, K2DFE gave the presentation and they did a very nice job keeping it simple so people could understand what they were talking about. This will be the theme for the entire year. All of our programs will be geared to the new ham. We want to keep things simple and easy to understand for those hams new to the hobby.

Our March meeting presentation will be an Elmers panel. For those of you that do not know what that means, an Elmer is someone who has been in the hobby for a long time or it could be someone with a lot of knowledge in one area. So at that meeting there will be Elmers from a wide range of backgrounds in the hobby that people can ask questions of. Remember, like we all have been taught, there are no stupid questions. So we hope to see a lot of new people at the March meeting and all meetings through the year.

We have our Falcon Field event coming up on March 24th at (of course) Falcon Field. This will be the club's fourth year at this event. The City of Mesa and Falcon Field have the Falcon Field Open House each March. There are all kinds of activities going on throughout the day. There's a car show, airplane displays, and other exhibits.

Our club will be right at the main entrance and as always we will have several radio stations set up for people to check out. We will have HF, 2 meters, and possibly some Mesh demos as well. We will be setting up on Friday evening and we could use some volunteers to help with that. If anyone can help, please contact me on the air or email me. I hope to see a lot of club members at the event.

73 and I will catch you down the log.

**Steve sums it up quite nicely.** This is, by the way, Steve Estes's TENTH YEAR as President of the club! And he has done a fabulous job especially in his last years. For instance, during Steve's tenure, the Board has developed a handbook to pass along to newly elected officeholders laying out the basic responsibilities for each office on the Board. This is something Lloyd Watkins wanted when he was President a quarter-century ago! The late Lloyd Watkins, KB7BEI, President in the 1980's, R.I.P.

73, Larry Kuck, WB7C

For Superstition ARC's part of ADAW

ADAW

*Continued Next Column*

# 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

## ADAW

### Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery \*  
 448.275 MHz (-) 100.0 Hz - Usery  
 449.600 MHz (-) 100.0 Hz - East Mesa \*  
 KB7KWK-L Echolink Node 538499 \*

\* - Linked Full Time

### 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 Newslines.

**Mesh Information Net:** Thursdays, 7:00 PM

**East Valley Swap Net:** Currently on Hiatus

**National History Net:** Currently on Hiatus. 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](http://www.superstitionsuperfest.org) for the latest information.

Since most of you will see this issue of ADAW before the 1st of April, we in the Yavapai ARC want to wish you a very happy Easter and welcome to spring!

The Yavapai Amateur Radio Club encourages community members and those of other local clubs 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.

For those just getting started in ham radio, 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](http://www.w7yrc.org) under "Become a Ham." A Technician level class was just held February 17 and February 24, 2018. A class for the General license will follow beginning April 7th. Please check the club website for more information.

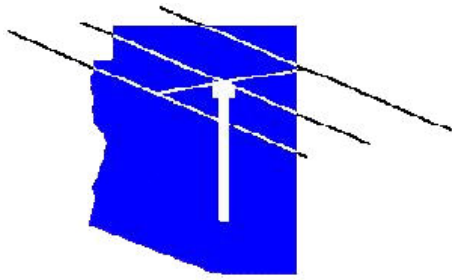
The next scheduled license exam session will be on Saturday, May 12, 2018, at 9:00 AM. Please note that this and all our 2018 test sessions have changed due to a schedule change with our host. Our website also allows for pre-registration for the test sessions. This is strongly recommended to reduce the time needed to register everyone at the test session. There will be a test session on June 1, at the Prescott Hamfest. Please see the hamfest flyer for time. We have posted all the test sessions for 2018 on the website as well as the ARRL website, so you can plan ahead.

Don't forget to put the Prescott Hamfest 2018 on your calendar. It is scheduled for June 1-2, 2018. This event keeps growing, and we are seeking seminar speakers for both days. Contact the hamfest chairman if you have a presentation of interest. Email Frank at [K8FB@w7yrc.org](mailto:K8FB@w7yrc.org). We will be happy to see you there. Lest we forget, you may visit the Prescott Hamfest website, [www.prescotthamfest.com](http://www.prescotthamfest.com) for information or to see the list of Grand Prizes and purchase prize tickets online.

Come join us for one of our monthly club meetings. We always meet on the 1st Thursday of the month at 7:00 PM. Please note that our meeting location has changed.

Beginning with the March meeting, our location is the Freeman Building in the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305. This is a much larger venue and we are excited about the change.

## ADAW



MARCA INC.

**No Report Received**

ADAW

**For Sale / Wanted**



**PRICE REDUCED!**

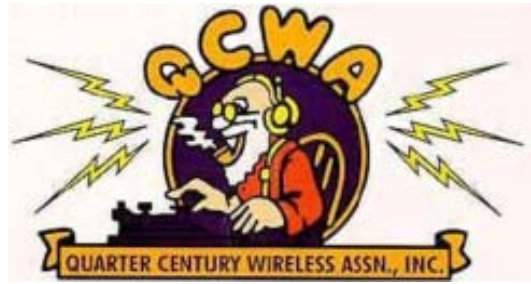
**Partly Restored Vintage Tube-type Transmitter - \$350**

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](mailto: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](mailto:kjenkins5623@gmail.com) or Bob Kettler WA6MIO at [rdkettler@msn.com](mailto:rdkettler@msn.com).



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

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

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

John Marshall, WA7BSR, President  
QCWA Barry M. Goldwater Chapter 16 Arizona  
[wa7bsr@gmail.com](mailto:wa7bsr@gmail.com)

ADAW



*Emergency Communications Since 1961*

**SHORT SKIP**

**No Report Received**

ADAW

# HAM RADIO OUTLET

WWW.HAMRADIO.COM

**\*FREE 1 OR 2 DAY DELIVERY TO MOST OF US!**



\$600  
Eliminate  
compare

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

- World's first dual TFT display • 200W output on all bands •  $\pm 0.1$ 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  
Eliminate  
compare

### TM-D710G | 2M/440 Dualband

- V-VV-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  
Eliminate  
compare

### 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  
Eliminate  
compare

### 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

### 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

**Call For Special Price!**



\$25  
Eliminate  
compare

### 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  
Eliminate  
compare

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

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

**Call For Special Low Price!**



\$25  
Eliminate  
compare

### TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • MI-Std specs • Hi-quality audio

**Call For Special Low Price!**



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

- D-STAR compatible • APRS ready w/built in GPS • Color weather station information • Built-in KISS mode TNC • High-performance DSP voice processing • Standard compatibility for Bluetooth

**Call For Low Price!**



### TH-K20A | 2M Handheld

- 2M 5.5W • V0X • CTCSS/DCS/1750 Burst built-in • Weather alert

**Call For Special Low Price!**



- 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

*Happy Spring from your HRO Phoenix crew!*

*Now serving you at our Phoenix store:*

*Manager Mike KB6VHF, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, and Laura KB6UHF*