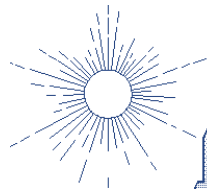


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



ADAW

Arizona Desert Aire Waves

Vol 42, No 7

July 2017

CLUB MEETINGS SCHEDULE

QCWA

October
TBD

Phoenix Area
11:00 AM

WVARC

Jul 3rd

St Clement Catholic Church

Social Hall
7:00 PM

SuperstitionARC

Jul 18th

Charles K Luster Bldg

7:00 PM

ARA

Aug 24th

Denny's Restaurant - Tempe

7:30 PM

MARCA

Jul 18th

Denny's Restaurant - Tempe

6:30 PM

MARA

Jul 22nd

Barrow's Pizza - Maricopa

9:00 AM

ANSR

Jul 17th

via GoToMeeting

7:30 PM

YARC

Jul 6th

Mile High Middle School

7:00 PM

OVARC

Jul 21st

Ascension Lutheran Church

7:00 PM

CARL

TBA

AZ Science Center

TBA

CLUB MEETINGS SCHEDULE

SARC

Jul 5th

Scottsdale Senior Center

7:00 PM

AARC

Jul 13th

Red Cross Bldg. - Phx

7:30 PM

OPRC

Sep 11th

Marshall Conference Ctr
at Tucson Medical Ctr

7:15 PM

TBARC

Jul 20th

North Phoenix Campus
Northern Arizona University

7:00 PM

MCCARC

Jul 3rd & 17th

Mesa Community College Tech Bldg

7:00 PM

CADXA

Jul 13th

PERA Club

7:00 PM

ADAW Member Clubs

ARIZONA AMATEUR RADIO CLUB

The Arizona Amateur Radio Club meets on the **SECOND THURSDAY** of each month at 7:30 p.m. at the American Red Cross Building at 4747 N 22nd St. in Phoenix. Visit web site at www.W7IO.org for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Joe Cutitta	W0SL	623.215.2226
Secretary			
Treasurer	Bob Hodges	K7JTT	602.375.9982
Activities Mgr	Lori Cripps	WA7ED1	
Membership	Bob Hodges	K7JTT	602.375.9982

AARC c/o Bob Hodges, K7JTT, 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 MONDAY** of the month at 7:30 p.m. on Skype. Technical meetings are held the first Monday of the month at 7:30 p.m. on 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 **FOURTH SATURDAY** of each month at 9:00 a.m. at Barrow's Pizza, 44600 W Smith-Enke Rd. (Smith-Enke and John Wayne Parkway) in Maricopa.

President	Steve Miller	W6SDM	602.290.1603
Vice President	Chris Canevit	W7CGC	
Secretary	John Wiltberger	N07IN	
Treasurer	Curt Steger	NA7CS	520.568.9471
Board Members:	Steve Miller	W6SDM	602.290.1603
	David French	N7FAN	480.430.9426
	Bob Howard	W8RH	520.709.6176
	Curt Steger	NA7CS	520.568.9471
	Ronald Beasley	KG7MUV	520.568.4880
PIO:	Steve Miller	W6SDM	602.290.1603
Webmaster:	David French	N7FAN	480.430.9426

The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at www.copahams.org. Mailing address: P O Box 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	Jeff Machesky	K7ZLX
Secretary	Brent Butler	W7FK
Treasurer	Douglas Mitchell	W7ADD
Board Members:	Andy Keels	KD4ABB
	Don Rollock	W2EUL
	Charlie Brown	NJ7V
	Dale Schmidt	N7QJK
	Dan Karnes	W7TWR
	Jeff Heinze	N7CCW
	Larry Fort	AB7C

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.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Dave Hall	N7ZPY	
Secretary	T D Kennard	N7ISR	
Treasurer	Don Aldridge	WA7RLL	
Director	Bill Hosking	W7JSW	
Director	Dusty Morris	W7ITM	
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., PO Box 28246, Tempe, Arizona 85285. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 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	Virgil Silhanek, K7VZ	k7vz@w7ara.net
Vice-President	Brian McCarthy, AK7F	ak7f@w7ara.net
Treasurer	Erv Heimbuck, K0OTZ	k0otz@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net
Board Members:		
	Lance Halle, KW7LH	kw7lh@w7ara.net
	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
	Doug Pelley, 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	Tom Bishop, KI7FWZ	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 the **FIRST** and **THIRD MONDAY** of each 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.

President	Charlie Brown	NJ7V	nj7v@arrl.net
Vice President	T.D. Kennard	N7ISR	n7isr@yahoo.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.



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

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

Deadline is 10th of the month

From The Editor's Desk

Editor's Desk Continued from Previous Column

The second annual Prescott Hamfest, presented by the Yavapai Amateur Radio Club in conjunction with the Eagle Amateur Radio Club at ERAU, was held June 9 and 10, 2017. The weather was great, a little windy, but a welcomed break from the heat of the Phoenix valley. There were lots of tailgaters on Saturday and the inside vendors' hall was sold out! Food vendors were available in the tailgate area, and the menus were very interesting. Didn't get a chance to attend any of the numerous seminars, but I heard they were very good.

Changes were made this year to the format of the event. Friday featured seminars and VE testing. Tailgating was held Saturday morning until noon with seminars being held from noon until 3:00 PM. Closing ceremonies were held at 3:00 PM.

The Amateur Radio Council of Arizona held its Annual Meeting at the Prescott Hamfest on June 10. Twenty-six people attended including the ARRL Santa Barbara Section Manager, Jim Fortney, K6IYK. Among other things that were discussed, the election of officers for the 2017-2018 term was held. The slate of candidates presented was: Chairperson, Bob Howard W8RH - 1st Vice Chair, Virgil Silhanek K7VZ - 2nd Vice Chair, Steve Miller W6SDM - Secretary, Melinda Wilson KC7FWR. No additional nominations were made and the candidates were elected by unanimous acclamation. The new officers will take office at the next meeting of the council which will be October 28 at the 2017 ARRL AZ State Convention/Copafest in Maricopa.

Further, it was moved that Jeff Hanna WB7RFY be retained in the position of Past Chairperson. The motion was seconded and approved unanimously.

ARCA announced the recipients of the 2017 ARCA Ham of the Year and the 2017 Young Ham of the Year at the closing ceremonies of the Prescott Hamfest. Two ARCA scholarships were awarded this year and the recipients were announced also. Presentation of the plaques and scholarships will be made by members of the recipients' clubs at a later time as they were not in attendance.

If you missed the Prescott Hamfest, you missed a great event. This group presents a wonderful event that is growing and improving each year. Mark your calendar for next year and watch for details on the 2018 Prescott Hamfest.

Our Arizona Section Manager, Rick Paquette W7RAP, was injured in a fall from the roof of his cabin the end of May/beginning of June. He has had surgery to repair broken vertebrae, ribs and bones. He will be spending several weeks in a Tucson rehab center as he heals. Cards may be sent to his Tucson address. Please join us in wishing Rick a speedy recovery.

Ned Stearns, AA7A has been elected to the position of ARRL Southwestern Division Vice-Director. Congratulations

to Ned. We all look forward to working with you.

As I write this, Field Day is just a week away. All the clubs have their plans for the event in place by this time. You don't have to belong to any specific club to attend their Field Day event, so check them out and plan to attend one. More information can be found about the ADAW clubs' plans in the June issue of ADAW. If you don't have your June edition, it is available on the ADAW website at www.adaw.org.

Don't forget the White Mountain Hamfest on July 22 in Pinetop-Lakeside. This is a new location for this event. The hamfest outgrew the previous site which necessitated the move. You can find more information in the Hamfest Calendar on page 18 and on their flyer in the Hamfest Flyers file. Check it out!

That's about all for this month. For all of you in the valleys of Arizona, stay cool and stay safe.

73 'til next month,
Chris, N7PVL

ADAW



Have a Happy 4th of July!

Continued Next Column

2017 ARCA Young Ham of the Year

Thomas Fike, KG7FXT, ARCA's 2017 Young Ham of the year, is a member of the West Valley Amateur Radio Club. He is an outgoing friendly young man who likes to experiment and learn. Thomas received his first license in 2013, upgraded to general in 2014, and earned his extra class license in 2015. He served as Vice-President of the West Valley Amateur Radio Club for a year, has been involved with public service events with the Maricopa County Emergency Communication Group, and participated in the 2016 ARRL National Parks on the Air event. Thomas also participates in the Monday night Arizona Emergency Net - Maricopa and recently joined the net control team. If you listen to one of the nets he leads, you might have trouble differentiating him from a seasoned net control. He does an excellent job leading topics to educate and train others.

Thomas has a personal web site with articles and several well thought out videos on FRS radios, a review of and how to use an SWR meter, Broadband-Hamnet and more. He has topics that explain such things as "What is a CSCE" and "What to Bring to a Test Session" designed to help people who are interested in Amateur Radio.

Thomas is very deserving of this award. We can expect great things from this young man in the future. Congratulations, Thomas.



Virgil Silhanek, K7VZ presents Thomas Fike, KG7FXT with the 2017 ARCA Young Ham of the Year plaque.

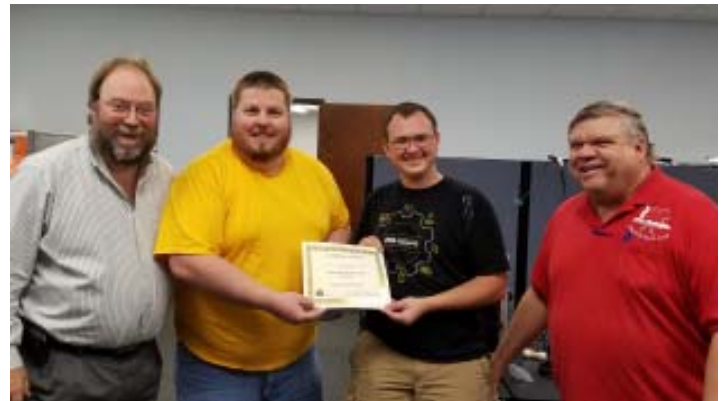
2017 ARCA Scholarship Recipient

The Amateur Radio Council of Arizona awarded two scholarships to deserving amateur radio operators this year. One of those scholarships was presented to Christopher Butler, KF7TUP.

Christopher is a member of the Explorer Post 599. He was first licensed in 2012 and then upgraded to General class.

According to Post advisor Tom Sharp, WA9OXY, “. . . Chris has been the single most active member of the Post since he joined. Others have come and gone, but Chris has been constantly attending. He has brought many interesting projects to the Post. He has worked on drone copters, IR detectors, PIC programming, and small and large things to understand how they work. . . .”

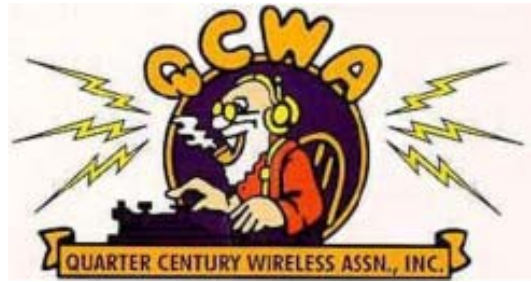
Christopher plans to get a degree in electrical engineering from ASU and then get a commission as an officer in the United States Air Force. He is active in ROTC at his high school and will continue with the program at ASU. Christopher also plans to participate in the MARS program and remain active in amateur radio. He hopes to help youth get into ham radio and passing forward the same treatment he has received throughout his journey.



Scott WA2DFL, Virgil K7VZ, and Tom WA0OXY present one of the 2017 ARCA Scholarships to Christopher Butler, KF7TUP at an Explorer Post 599 meeting.

ADAW

ADAW



CHAPTER 16 BARRY M. GOLDWATER ARIZONA CHAPTER

One of the most sacred covenants of amateur radio is bringing new hams into the hobby. This is partly because if we didn't do that, we would eventually end up talking to ourselves. That happens anyway with some of us, but we can still make an effort to put it off as long as possible.

Many of us remember how difficult it was to get a license back in the day. I remember getting up early, permission slip excusing me from school in my pocket along with the license fee and bus fare. I took the hour-long trip to downtown Los Angeles and then to the Federal Building, where the FCC was headquartered.

Intimidated by dozens of government employees in white shirts and skinny black ties, I managed to pass the 13 WPM code test. Then, sweating like I was taking my sophomore year finals, I took the General Exam. It would be a couple of weeks before I found out that I had passed.

For those of us who share that experience, there is a deep appreciation for the way new hams are licensed today. Not only did we lose the code test, to the chagrin of some old-time CW operators, but the trip to the FCC office is also a thing of the past. Depending on who administers the test, there may not even be a fee. Another thing that went away is the two-week wait.

The Volunteer Examiner program is largely responsible for the resurgence in new amateur radio licenses. Those guys with the starched white shirts and skinny black ties are no longer a burden on the taxpayer.

And guess what? To the disappointment of some naysayers, ham radio didn't turn into a morphed Citizen's Band with VFOs and linear amplifiers. CW didn't become a lost art. Instead, many new digital communications modes were developed and CW became one of the most popular modes for contesting both domestically and worldwide. Many of the best CW operators today got into the hobby after the elimination of the code requirement.

So, where does this leave us? In order to bring new hams into the hobby, we need to do two things: provide licensing accessibility and maintain the art of Elmering. Maricopa Amateur Radio Association has developed a fantastic VE team that offers both scheduled and informal exams. We use the Laurel VE program, so there's no fee and a successful candidate may even be able to receive their call sign the same day they take the exam.

Continued Next Column

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



MARA Continued from Previous Column

Because Maricopa is what some call, "out of the way," it's an hour-long trip to many of the more popular VE testing sites. Because of that, we offer testing at our club meetings. For those who can't make a meeting, we will host an individual exam session in one of our homes or a public place at a time that works for everyone. Our commitment is that anyone wanting to take an amateur radio exam will be accommodated to the best of our ability.

Our hope is that new hams will pay it forward and consider being a volunteer examiner. It really isn't that difficult and all of the VE services will provide the study materials for becoming an examiner. Our policy of testing anyone, anyplace, at any time is a way of paying back the ham radio community for the enjoyment that ham radio has brought to us.

Steve Miller
visit my website and blog at w6sdm.net
follow me on Twitter <https://twitter.com/stevedmiller>



Volunteering at the Harkin's Ham Shack

After more than 22 years of operation, some of the original volunteers are beginning to show some signs of aging. The SK plaque is, sadly, getting some new entries. Some volunteers, or their companions, have fallen victim to ill health.

The W7ASC station could use some help.

But why would you consider volunteering? Well – look at your license. You will see that it reads: Amateur Radio Service. One great way to perform some service is to volunteer at the Station, demonstrating Ham radio for people who might, one day benefit from our communication services and educating the public that we are doing public service. Below is a short piece about “Why Volunteer?”

WHY VOLUNTEER AT W7ASC?

Do you think that many people have an incorrect impression of Ham Radio? Would you like to set them straight? Here is your chance to do just that. Volunteer at W7ASC

Do you really believe that Ham Radio is a great hobby for kids, and other people? Would you like the chance to tell people how Ham Radio has enriched your life, and could do the same for them? Here is your chance to do just that. Volunteer at W7ASC

Does it bother you to hear people describe Ham Radio as “some sort of CB?” Would you like the chance to describe, and demonstrate, the HUGE difference? Here is your chance to do just that. Volunteer at W7ASC

Do you enjoy answering questions about Ham Radio, explaining the simple steps required to obtain a license? Do you really believe the Nation benefits when we have more Hams? Here is your chance to do just that. Volunteer at W7ASC.

Stop by the W7ASC Ham Shack, Arizona Science Center 3rd floor “My Digital World”

Perhaps you have a Ham friend who has retired, but sits home watching TV. Do them a favor – send them into the Arizona Science Center. Have them visit the Ham Shack on the third floor. They will be provided an Amateur Radio volunteer application form after which their life will become interesting again. Contact Sam at KG7QJ@cox.net or 480-961-1109

On Field Day Saturday, show your Ham license and get in free to ASC!

73 until next month, de W3CIH Jean
jeanjol@hotmail.com or 480-664-7353



If you made it to the May meeting, you got a chance to test your handheld for frequency and deviation. Did you take advantage? I found out my cheap Chinese radio was off by a few kHz, but OK with audio. Good to know - and thanks Gary for the opportunity!

I'm guessing that by the time you get this, Field Day will be in progress or done. Even ahead of time, I know we'll have a good time - and great food. (Someone called Field Day a cookout with radios - I can't argue!)

There's still time to take advantage of the August Escape. We're holding it at the O'Leary Group site at Sunset Crater, north of Flagstaff. It will go from Friday, August 18 through Monday, August 21 - and remember that the 21st is the day of the eclipse, so that's a great time to operate away from the usual city RF noise. If you want to sign up, get in touch with Gary Cline AF7BJ at ghcline@cox.net.

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 July, we've got a treat - Dr. Alex Vrenios KX9I will be discussing radioastronomy. How can you use radio to view the universe? Join us and find out!

Andrew Cornwall KF7CCC
kf7ccc@arrl.net

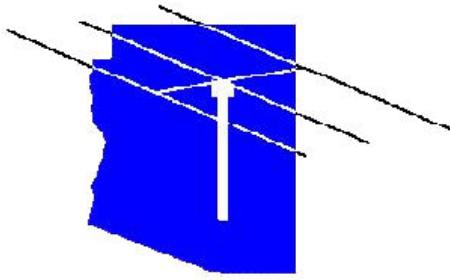


Want Ads

WANTED:

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

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



MARCA INC.



No Report Received



W7MOT DStar update.

DStar upgrade to G3 is still in planning stage. Watch our website for activity on the project.

The DStar repeater stack has been operational and stable for the past few months. The Gateway server, G2 Server, has also been stable with the exception of Registration Notifications, which are problematic with email definitions; this remains an open issue. The internet link has historically been our weakest link and continues not to disappoint expectations. Being a double RF hop and NATed in a few router relays, there are many reasons for interruptions or drops from weather (winds & temperature) to unscheduled providers' outages & maintenance.

Raspberry Pi Group and SVXLink Echolink Server.

We have an active special interest group learning the Raspberry Pi, Raspbian (Linux). The group has somewhat mastered the basics of building a working operating system that connects to internet using wired or wifi connection, Bluetooth for keyboard and mouse, and either LCD or HDMI for video.

The group is now focusing on Ham Radio applications, the first being Echolink using 'svxlink' as the Echolink application. This is not Windows Echolink, but it's very similar with all the options. If you want to learn the "what," "how," & "why" of the standard features, options, & capabilities; this is a great opportunity.

Why use a Pi and not Windows PC / Echolink software like 98% of Echolink systems? Because the Raspberry Pi Model 3 B has the processing horsepower to handle the traffic of a Echolink server connected to a Duplex FM Repeater.

Why not AllStar or IRLP? Only because most members of the group are familiar with Echolink. However, AllStar using the RPi3B is most interesting. Echolink can even be added to AllStar. IRLP is not yet open enough to use RPi or the internet, unless one needs a challenge, it's not very TCP/IP friendly by definition.

So if you're curious about this project; sometimes while we're testing software and hardware (no repeaters on the air yet), you might see our Echolink call sign, EL-W7MOT on aprs.fi .

Our group meets somewhat every one or two weeks for a

MARCA Continued from Previous Column

2-3 hour work session (summer is now impacting this schedule). We do some basic Linux, some server admin, and some svxlink Echolink. A typical working session involves project review & configuration progress, new & review of Linux commands, and Raspberry Pi "parts."

If you're interested in participating in sessions and learning more about our Echolink project, please join us. Don't worry if you're a beginner, you can join at any time, we'll get you up to speed quickly. Check out our website for more details about the project, schedule, and joining the RPi activity sessions.

W7MOT Field Day 2017

W7MOT will be participating again this year from Gentry Fire Tower Camp Ground just east of Forest Lakes and south of Black Canyon Lake. See our website for exact location and details of our FD activities. All are welcome to visit and even operate or observe a contest station in operation.

Till next month, 73s.

Having repeater problems with any of MARCA's W7MOT repeaters, please let us know by using the simple & quick online report at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Nothing fancy or complicated, just a few quick entries and the system notifies half a dozen site managers.

Our website is www.w7mot.org. Friend Us and then Follow us on Facebook www.FB.com/W7MOT .

Norm Johnson, aa7oo
President MARCA
MARCA ADAW Editor



Continued Next Column



REMINDER: There is no ARA General Membership Meeting in July. Please join us in Tempe on June 22nd and August 24th. Meeting information can always be found at this link. <http://w7ara.org/mtg/Meetings.aspx>

ARA Metrolink is now six linked repeaters. The Mingus Mountain VHF 146.82 repeater has been connected to Metrolink. This was the final step in the Mingus addition that began over two years ago. The goal was to add I-17 coverage to Rimlink and Metrolink where other ARA repeater sites lacked coverage. It does a whole lot more than that, adding coverage to Cottonwood and the Prescott area as well.



Mingus Tower



ARA Mingus Tower Annotated

Nets on Metrolink: The AEN-MAR Net operates every Monday evening at 9pm. (www.AEN-MAR.org) The 4x4 Ham Net operates on the 2nd Wednesday of each month at 8:30 p.m. (www.4x4Ham.com)

Arizona Repeater Association, repeater information: <http://w7ara.org/z/Repeaters.aspx>

Virgil K7VZ
ARA President



- Metrolink System as of June 2017:
- 147.240+ (162.2) Shaw Butte
 - 146.760- (162.2) Scottsdale Airpark
 - 146.860- (162.2) Utery Pass
 - 146.920- (162.2) Mt. Ord
 - 146.820- (162.2) Mingus Mtn.
 - 448.375- (100.0) Daisy Mtn.



Continued Next Column



Emergency Communications Since 1961

SHORT SKIP

Well, we finally did it! WVARC was able to score a Field Day venue, indoors and in air conditioned splendor! This year, club members and visitors will not be sweating our fingers and toes off, as the North County Fire and Medical of Sun City West, has graciously loaned their Fire Station #103 to us for this spectacular 24-hour event. Chef Ralph will be on-hand with his gourmet vittles for Saturday evening grub. If you would like to be an operator, a set-up person, a clean-up person or any number of things, QSO with John Siepman at 630-209-4116. He'll be glad to hear from you. Anyone, club member or not, can participate on either or both days, so stop on by the SE corner of Deer Valley and N. 135th Ave. in Sun City West. We would love to see you there.

73's
A. Kramer KI7GFJ



**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

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MMRG had a booth at the Prescott Hamfest in June. A number of MMRG members stopped by to chat. We also had people checking out our history photo albums. There were a few inquires about the IRLP node # 5050 on the 70-cm Mingus repeater (442.150 – 5 MHz PL 100). Others were asking about the coverage of the 147.000 Mingus repeater.

As of Fathers day this year, the 147.000 repeater has been at the current site on Mingus Mountain for 42 years. MMRG acquired their own site on Mingus Mountain in 1975, and on Father's Day 1975, the group installed our first repeater there. The building and the tower were homemade, assembled, and welded in Phoenix by WA7WAH, WA7ZDZ, WA7VDZ and WA7UID. We are proud to have been able to provide almost continuous service from there on 2 meters since that time.

New members in the last couple of months are.

W6IZK Wayne Hale Phoenix, AZ (winter) and Dewey, AZ (summer).

W7TTD Ron Akers and WF7DS Dottie Akers Dewey, AZ

KD6JEG Art Zeller and KE6AZL Marsha Zeller of Chino Valley, AZ and Torrance, CA

KI7ALL Alan Krause and KI7IOY Kathy Krause of Prescott Valley, AZ

73 BobSitterley K7POF





There are those among us who would rather be without running water than the Internet. I guess that really depends on what you're doing and where you are. In the case of ANSR's upcoming trip to Glendo, Wyoming for our flight supporting NASA's effort to document the 2017 total eclipse of the sun, the Internet is necessary to do the job right.

The area along the northernmost path of the eclipse is expected to have thousands of people coming in from outside the area. These tourists and researchers will be using cellular service, to the point of overwhelming it. While you may be able to get the Internet by tethering a cell phone or mobile hotspot, it will be bogged down to a crawl – insufficient for something like live video streaming. So, instead of using cellular service, we will be using a portable unit for accessing a direct satellite subscription service from HughesNet.

Our system is using the HughesNet Jupiter 5th generation satellite network. We will be using a 0.98-meter dish antenna, with a proprietary radio module affixed on a boom, to receive and transmit. A custom HughesNet modem then breaks out the connection to Ethernet ports and a Wifi hotspot. We expect to see a maximum of 25Mbps download and 5Mbps upload, which is extremely good for something of this price and portability.

So why, you ask, do we need high-speed Internet for the Eclipse flights? One major reason for the Eclipse project is to be able to film the totality of the eclipse to a streaming website allowing NASA to broadcast on NASA TV. The totality, or umbra, is the largest shadow that the eclipse will make against the Earth. It's a large circle that will move along the path of the eclipse, being captured by several teams much like ours.

The idea is that each Eclipse team streams live video, from which NASA can switch to and broadcast as the totality migrates east. This will make for a very cool program on NASA TV. Of course, to get the data to the stream host, an internet connection is required. The connection would need to be fast enough to support video upload, which requires a few megabits to accomplish. Since we plan to be in a rural area with limited cell phone coverage and no hardline internet connection, we need a wireless option. Satellite service was one of our limited options.

This project will allow millions of people to view live the first total eclipse in North America in sixty years. A 5.8Ghz video stream will be broadcast over ham radio to our ground station. We will then live stream the video to the stream server over the satellite internet connection.

The live stream is meant to be viewed by NASA and then routed to NASA TV. NASA TV would be the best place to find the live feeds of all of the groups, assuming their streams are working. It may also be possible to view the stream directly from the host website, but we don't know that for sure yet.

Our system is using the HughesNet Jupiter 5th generation satellite network. We will be using a 0.98-meter dish antenna with a proprietary radio module affixed on a boom to receive and transmit. A custom HughesNet modem then breaks out the connection to Ethernet ports and a Wifi hotspot. We expect to see a max of 25Mbps download and 5Mbps upload, which is extremely good for something of this price and portability.

Will it work? We set the system up at our ground station for the launch of ANSR Flight 108, which was a dry run of the upcoming Eclipse flight. It worked great. Because our recovery projections determined the payload would be unrecoverable if we launched from Embry Riddle Aeronautical University, site of the Prescott Hamfest, we moved to another launch location off of Senator Highway. We were able to view live video of the launch on our video monitors at Embry Riddle.

Wish us luck on August 21st!



Dish equipment set up at Prescott Hamfest.



Modem/Router and laptop.

Steve Miller - visit my website and blog at w6sdm.net
follow me on Twitter <https://twitter.com/stevedmiller>

Old Pueblo Radio Club INTERMOD

President's Column

No Report this Month

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

For Sale

Partly Restored Vintage Tube-type Transmitter - \$485

Baker Williams B&W 5100B AM/CW, 80-10m, 150w(2)6146's, has built in VFO and restored dial. Included is: Matching B&W 51SB-B SSB Generator (for ssb operation). Both will need new electrolytic filter capacitors. Interconnect cables (between 5100B and 51SB-B) included. Contact: Ray, W7GNE @ 480-540-4629.

A-4 Antenna For Sale - \$450

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

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.



We had an amazing meeting in June with the former Chief Design Engineer from HAARP, the High Frequency Active Auroral Research Program. Steve Floyd, W4YHD, has attended our club meetings from time to time when he has been in town for business trips. While he could not be in town for the June CADXA meeting, we arranged to have him present this unique program long distance using a program called Team Viewer that allowed him to show us his PowerPoint slides from his home computer in Virginia. After solving some technical issues getting an internet connection working at the PERA Club, Steve wowed us with his descriptions of this 180 transmitter/tower/antenna array research facility in Gakona, Alaska. Originally commissioned by the U.S. Navy, Air Force and DARPA, the HAARP Research Station uses this phased array to produce as much as 3,600 KW of power at frequencies in the range of 2.8 – 10 MHz. The station can literally create its own propagation and continues to be used by scientists for a wide variety of RF-related experiments under the auspices of the University of Alaska.

The sporadic E season of ionized clouds is in full swing on 6 meters. Most of the 6m DX action now centers around WSJT digital modes. A few lucky club members have made contacts with European and Asian stations in recent weeks on JT65A. I have managed a couple with Japan myself, but the rare European openings continue to elude me. It takes a lot of dedicated screen watching and some luck to catch these rare Magic Band openings when the clouds line up for Arizona hams.

Next Meeting on July 13th (Second Thursday in July to avoid the 4th of July holiday week)

Our next meeting will be on Thursday night, July 13th, at the PERA Club beginning at 7:00 p.m. The program will be "Ground is a Myth" presented by Kristen McIntyre, K6WX, ARRL Technical Coordinator for the East Bay Section and president of the Palo Alto Amateur Radio Association. Kristen explains: "Ground is something you stand on, but in an electrical sense, the meaning is much less clear. When it comes to hams and ground, things get really confused. We drive rods into the earth, but why?" Kristen will look at whether any of this makes sense, and what theory tells us about "ground," and if it exists in any sensible way at all. She will talk about DC grounds, RF grounds, and even about gravity.

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

73,
Lee, KY7M - CADXA President

ADAW



The month of June is a busy one for the Yavapai ARC. The 2017 Prescott Hamfest just wrapped up as this is being written. It was a great success, and we hope you had a chance to visit. If you did, let us know what you thought, pio@w7yrc.org

Field Day is June 24, YARC plans to participate from our club station under our brand-new antenna tower. And this will be the 4th year that we will hold the Granite Mountain Hotshots memorial event on June 30.

Most of our club's operating events are now being held from our club station. Our new permanent antenna tower is up and the club station internal upgrades are taking shape as well. All ready in time for Field Day (hopefully).

YARC continues our series of licensing classes for people interested in Ham radio. Contact Brian at classes@w7yrc.org to sign up for future classes. Check the club website www.w7yrc.org for schedules as they come available. Upcoming regular test session is July 8, 2017, followed by another on September 9th. For more info on the test schedule, email testing@w7yrc.org.

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.



Public Service Calendar

Maricopa County Emergency Communications Group Events

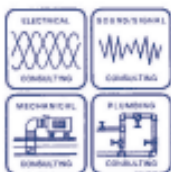
EVENT	LOCATION	DATE
Barn Burner Mtn Bike Race	NW Flagstaff	09/09/17
Mogollon Monster	Pine AZ Area	09/16/17
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	10/08/17
Tour De Scottsdale	DC Ranch Scottsdale	10/08/17
ADA Step Out for the Cure		10/28/17
	Midwestern University, 59th Ave & Loop 101	
Javelina Jundred	McDowell Mtn Park	10/28/17
JROTC First Water	N of Apache Junction	11/04/17
Phoenix Half Marathon	Downtown Phoenix	11/05/17
Xterra San Tan Trail Run	San Tan Park	11/12/17
JROTC Shopies Flats	NE of Wickenburg	12/09/17
Scottsdale Half Marathon	Scottsdale Civic Center	12/10/17
Xterra-White Tanks	Waddell	01/07/18
JROTC First Water	N of Apache Junction	01/27/18
Runner's Den Pancake Run		02/04/18
	E Phoenix, Paradise Valley Mall	
Xterra - McDowell Mtn	Fountain Hills	02/04/18
Black Canyon 100K		02/17/18
	Spring Valley to the Emery Henderson Trailhead	
Lost Dutchman Marathon	Apache Junction	02/18/18
JROTC Shopies Flats	NE of Wickenburg	02/24/18
Xterra Black Canyon Trail Run - Black Canyon City		03/11/18
Mesquite Canyon	Waddell	03/17/18
Crown King Scramble	Lake Pleasant - Crown King	03/24/18
March of Dimes March for Babies		04/14/18
	Wesley-Bolin Park, Downtown Phoenix	

To sign up for an MCECG Public Service Event: www.mcecg.net

For information, contact Dennis Bietry - KE7EJF at 602.274.3732 - email, ke7ejf@cox.net, or contact the Event Coordinator for the event.



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(480) 945-7020 (FAX)

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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*

SCOTTSDALE AMATEUR RADIO CLUB, INC.



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



The June General Club Meeting was all about the June 24th and 25th Field Day Event. Everyone attending the meeting was fascinated with the level of choices for operation and amenities. James Wasson, N7ELL, Bill Kouchis, N9EIV and Paul Jorgenson, KE7HR have put together a great event for the Club again this year. I will have pictures of this event in next month's ADAW.

The July General Club Meeting is going to be a Field Day Wrap Up and an Ice Cream Social. We always have plenty of ice cream, cookies, cake, soda and all of the trimmings. Come and join us in celebrating a great event and an Ice Cream Social.

The Friday in the Park weekly events have been suspended for the summer. They will be back when the weather cools off this Fall. We will keep you informed on the start-up dates.

The weather is hot and dry which is why this is a desert. So I try to get out in the mornings if I am going outside at all. I have noticed my golf scores seem to be better during the summer than during the winter. I believe it is because the ball goes further when it is hot, the air is thinner because it is hot and the ground is like concrete, because it is hot. I always take a lot of water with me and have fun. I think I have lived here too long. And did I mention the green fees are a lot less in the summer heat?

This is also a good time to hide in your basement or other cool place and build a kit or something. I like to hide in my man cave and build things. I have radio controlled model air planes and other unfinished projects to work with. I am working on a small QRP kit just for kicks. The parts on this kit are very small and my tired old eyes need the magnifying glass a lot. My station is in the cave so I have that as well. This only works out in the evenings because I have a business to run and Bonnie needs help around the house.

Our monsoon is about to begin according to the nation weather service. This is a good time to check our station and make sure all of the grounding is in place and in good shape. When going QRT, make sure to ground everything. It's not a bad idea to disconnect your radio from power as well.

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 in lately. Sometimes we have an interesting question for everyone. So set your clock for Tuesday's at 7:00 PM and we will see you on the air.

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

Ed Nickerson WU7S

The June news will probably be arriving in your email just as you are setting up for Field Day or perhaps you are already on the air. Good luck to everyone participating in this year's event. I am hopeful that there are many first-time Field Day operators.

In July, O.V.A.R.C. will take a break from the summer heat because we are ascending to Mount Lemon for our July 4th Operating Event. Thanks to the hospitality of Ross - K4WBR and Hanna - KG7TPD we will be operating at just under 10,000 feet from their QTH. Halfway through the day we'll take a break and participate in the Summerhaven 4th of July Parade. This is a traditional small town old-time parade with floats, marching bands and lots of people just having fun. O.V.A.R.C. will participate in the parade and might even win a blue ribbon for creativity.

So listen for us on the air. We'll be signing W7AI. Details are in the July QST on Page 98.

Enjoy your Independence Day!

73, Steve, W1SR



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.





Superstition Continued from Previous Column

due and when. We don't want to chase people away and bother them when their club membership is up. We all have to remember that we are basically a repeater club and almost all of our yearly expenses go to the club insurance, repeater site lease and maintenance comes from our membership dues

Our yearly Ham Fest offsets the rest. This is why the Ham Fest, is so important to this club and why we start planning for the Ham Fest right after it ends. There is a committee that works on it year round. Keep this in mind, if we ever lost our Ham Fest for some reason, we would have to raise the club dues to sustain our club through the year. Please help us out and check to see if you are current on your club membership. It would be greatly appreciated by the board and membership committee. I look forward to seeing all you at the next meeting and upcoming club events.

One event in particular that I always look forward to is our Organ Stop Pizza event. If you have not been able to attend this yearly event or a new member be sure to clear your calendar when the time comes. We have the whole place to ourselves for a couple of hours. There is great fellowship and good organ music from one of, if not the best, organist in the country. I also honor those people in the club who have helped out the most throughout the year.

Hope to see everyone at the next meeting.73, Stephen Estes – KB7KWK

73 from Larry, WB7C



July 4 Independence Day Net

Superstition ARC celebrates the American Declaration of Independence by having a sequence of operators read from the document on the air at Noon on the 147.12 linked system.

I have confirmed with the President that JD, KF7VOX, who has conducted this annual net for a number of years is planning to run it again this year. To participate in the reading of the Declaration of Independence, please look JD up. He runs the Swap Net on Thursdays, 7:30 PM and then the National History Net at 8:30 PM on the linked repeaters.

DriveTime Net Controls Needed

Charlie, NJ7V, has posted to the club a need to fill his Thursday morning slots for the DriveTime trivia net for June 8, 15, and 29, and for July 6, 20 and 27. In general, we welcome new net control operators to relieve our regulars once in awhile, and if desired, become a regular yourself. Nets run from 7:00 till 8:00 AM, Monday through Friday, on our linked repeaters. Contact us via Communications@superstitionarc.org. This email address is also in our member clubs entry at the front of ADAW.

Jeff Harris, K2DFE Steps Down as Secretary

For health reasons, our Secretary, Jeff - K2DFE announced in the May Board meeting that he had to vacate his post and active participation in the club. He has been active in our Field Day planning for a number of years. Others are stepping in to formulate our planning for June 24 – 25 on the Rim.

The Board has appointed one of its own, Brent Butler, W7FK as Secretary. Brent's Board seat has been filled from the club rank-and-file with Don Rollock, W2EUL.

We welcome Don and congratulate Brent! And we pray for Jeff's speedy recovery.

The President's Corner

Thank you to all the club members who have been attending the meetings. With the suggestions from club members at our last Club Development meeting, we are trying to have programs that you the club members have asked us to do. We recently had a program on how to solder. Thanks to Andy KD4ABB for giving that presentation. Andy also gave the presentation and hands on program on building a ladder line J pole at the April meeting. I received a lot of good feedback and comments on these two meetings. We will try to have more hands on builds for programs. In fact, we are already talking about building a HF antenna. Possibly some type of a Dipole antenna.

We are working on a way to get everyone name tags to wear to the meetings and club events. We have a lot of new hams and new members and it would be nice if we all get to know each other. The board is currently working on a better way to keep track of membership dues. This has always been a problem with the membership committee and it is very hard for them to track who is

Continued Next Column

Superstition ARC Repeaters

147.120 MHz (+) 162.2 Hz - Usery *

448.275 MHz (-) 100.0 Hz - Usery

449.600 MHz (-) 100.0 Hz - East Mesa *

KB7KWK-L Echolink Node 538499 *

* - Linked Full Time

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.

Hamfest Calendar



22 July 2017 - **White Mountain Hamfest** - hosted by the Kachina Amateur Radio Club - location to be announced. Free Admission. Vendors/Tailgaters - \$5.00 per space. VE Session begins at 9:00 AM, Walk-Ins Allowed. Demonstrations, Grand Prizes, Hourly Prizes, Coffee & Donuts, Arts & Crafts, and More. Talk-In 145.310 Pl 110.9. Visit the web site at www.kachina-arc.org and click on "Hamfest" for up to date information. Contact - Vince at ka7joi@cablone.net or Chad at chad@kevingdickim.com.

28 October 2017 - **2017 ARRL Arizona State Convention/Copafest 2017** - hosted by the Maricopa Amateur Radio Association will be held at the UltraStar at Ak-Chin Circle in Maricopa. Swap Meet, Free VE Testing, Educational Seminars, Raffle Prizes and more. In addition, UltraStar offers 12 Cinemas, 24 Lanes of Bowling, Laser Tag, a Video Arcade, Restaurants, Cocktail Lounge and much more. For info, visit the web site at www.copahams.org or email info@copahams.org

11 November 2017 - **Oro Valley ARC Hamfest** - hosted by the OroValley Amateur Radio Club will be held at Marana Middle School, 11285 W Grier Road in Marana. Gates open at 7:00 AM (5:00 AM for sellers) and closes at 1:00 PM. Admission: \$5 (Children under 12 free with a paid adult). Valid Student IDs are also free. Sellers: \$10 per space and includes seller. Prizes, VE Session, Seminars, QSL Card Checking, Breakfast & Lunch Available. Talk-In: 146.620(-), 444.100(+), and 147.32(-) all Pl 156.7. For information, visit the web site at orovalleyarchamfest.com or contact Steve, W1SR at w1sr@arrrl.net

18 November 2018 - **HARKFEST Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Free Admission, Free Tailgate Sites (Pre-Registration Required - djgrooms@yahoo.com) Overnight Camping (Full Hook-Up or Dry) Available (pre-registration required for camping at www.escapees.com/parking/congress) Tailgating permitted at campsite. VE Testing Available upon Request - Prizes Arts & Crafts Show 9 AM - 2 PM and Lunch at Activity Center

2 December 2017 - **Superstition SuperFest 2017** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Avenue in Mesa. Hours are 8:00 AM to 4:00 PM. Admission \$5.00 per person, children 12 and under free. Tailgate \$10.00 per space. Grand Prizes and Hourly Door Prizes. VE Testing - Registration from 8:00 AM until 9:00 AM, Testing begins at 9:00 AM. Pre-register at times listed. ARRL Card Checking. Special Events Station - K7A Commemorating the USS Arizona. GOTA Station. Fox Hunts. For more information, contact the SuperFest Chairman at chairman@superstitionhamfest.org.

My calendar says it is the middle of June, and it also tells me that Field Day is just a week away. The 2017 Field Day occurs on June 24 and 25. It will be here or may have even passed as you read this! For several years the Arizona Amateur Radio Club has operated Field Day not in the field, but rather in the American Red Cross Building. But this year we are operating Field Day IN THE FIELD!! Our amateur radio club had a meeting, and it was decided that we will have our Field Day at the Mingus Mountain United Methodist Camp. We will bring the tower trailer and generator. Several members plan to bring their motor homes. We anticipate that approximately twelve to fourteen AARC members will participate in the Field Day operation at Mingus. Look for a report on our Field Day operation in the August ADAW.

I also urge you to take a look at the updated W7IO website. The URL is <http://www.w7io.org/>. Chris Kesauer, N7PVL, has been hard at work improving the website, and it now allows us to see presentations that have been made at club meetings. If you missed Mark's excellent discussion of ham mesh you can still see his slides on the website! Thanks, Chris, for all your hard work.

We welcome visitors to our monthly meetings the second Thursday of each month at the American Red Cross Building at 7:30 PM, and to join us on our 2-meter net at 7:30 PM on 147.060+ (no tone) any Thursday when there is no club meeting.

We hope to see you at one of our meetings.

73,
Lori Cripps, WA7EDI

ADAW

Hamfest Calendar Continued from Previous Column

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. Visit the TBARC web site at www.w7tbc.org for additional information. Contact: Walter Reinert, NJ8G at 602.938.8219 or nj8g@cox.net for more information.

16 - 17 February 2018 - **2018 Arizona Section 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.

License Testing Information



American
Red Cross

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

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.

July Test Sessions

Jul 1st - ORO Valley ARC -- 10:30 AM

Oro Valley Police Sub-Station, Oro Valley Marketplace, Oro Valley
Contact - Quinton Gleason qagleason@comcastnet

Jul 1st - DeVry ARC & WVARC -- 9:00 AM

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

Jul 3rd - AARC & WVARC -- 12:00 PM

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

Jul 6th - 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

Jul 8th - Yavapai ARC -- 9:00 AM

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

Jul 15th - Un-sponsored -- 10:00 AM

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

Jul 17th - East Valley VE Team -- 6:00 PM

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

Jul 17th - Radio Society of Tucson -- 7:00 PM

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

Jul 18th - Motorola ARC of Arizona -- 5:00 PM

Denny's, 825 S 48th St, Tempe
Contact - Edward Olague 602.885.7725

Jun 19th - Thunderbird ARC -- 6:00 PM

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

We had a nice time at the Sierra Vista Hamfest on May 6th, presented by the Cochise Amateur Radio Association. Stayed at the Kartchner Caverns campground, which is just a few miles north of Sierra Vista. It's always been one of our favorite places to stay in SE Arizona. The vendor area isn't very large, but surprisingly, I found most of the items I was searching for.

Did you attend the Prescott Hamfest? Heard it was a nice event. This is their second year to host this event and it gets bigger every year. Know there were lots of seminars on Friday to see, and Commercial and tailgate vendors to visit on Saturday.

Not much to report equipment wise at the Red Cross. Mainly too hot to do any antenna/repeater work up on the roof, so we will keep it inside for a while. Our next project will be to get our HF Winlink systems up and running. One will go in the RC Ham Shack and one in the ERV (mobile van).

Don't forget about the Public Service Amateur Radio Group's (PSARG) Tuesday net at noon on the Red Cross repeater (146.84 – PL 162.2) and then again at 6:30 PM on Thursday.

Your Humble Scribe,
Mark, N7KKQ

ADAW

Test Sessions Continued from Previous Column

Jul 19th - Central Phoenix VE Team -- 6:00 PM

South Mountain Community College, 7050 S 24th St, Phoenix
Contact - Bill Martin 480.205.3625
No Walk-Ins - Limit Space - Contact Prior to Exam

Jul 22nd - Coconino ARC -- 9:00 AM

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

Jul 22nd - 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

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- 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

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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

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TM-281A | 2 Mtr Mobile

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