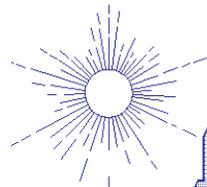


ADAW

4529 W. Park Place
Glendale, AZ 85306-1512



APRIL



ADAW

Arizona Desert Aire Waves

Vol 45, No 4

April 2020

CLUB MEETING SCHEDULE

SARC

Apr 1st
Online Meeting - See Website
7:00 PM

OPRC

Jun 10th
Big Heart Coffee - Tucson
1:30PM

CADXA

Apr 2nd
via ZOOM
7:00 PM

AARC

Apr 9th
On Net Repeater
7:00 PM

TBARC

Apr 16th
On Club Repeater
7:00 PM

ARA

Apr 23rd
TBD
7:30 PM

ARCCC

TBD
American Red Cross Bldg
Phoenix
9:00 AM

SuperstitionARC

Apr 21st
On Club Repeater
7:00 PM

MARCA

Apr 21st
TBD
6:30 PM

ANSR

Apr 16th
via GoToMeeting
7:30 PM

OVARC

Apr 17th
TBD
7:00 PM

ATN (VOAR)

Apr 19th
TBD
6:00 PM

WVARC

No Meetings for Now
Shepherd of the Desert
Lutheran Church
7:00 PM

YARC

No Apr Meeting
Prescott Rodeo Grounds
7:00 PM

MARA

Apr 4th
On Club Repeater
9:00 AM

KARC

Apr 14th
TBD
6:30 PM

CHRC

No Meetings for Now
TBD
9:00 AM

QCWA-AZ Chapter

TBD
Phoenix/Prescott/Tucson
9:30AM/10:30AM/TBA

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 for map. Visitors are welcome.

President	Gary Hamman	K7GH	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Open		
Treasurer	Bob Hodges	K7JTT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
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) in Scottsdale. 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	David Yee	N7AJR	
Secretary			
Treasurer	Ed Nickerson	WU7S	480.949.5162
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembeck	K00TZ	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Ray Vasquez	K4RMV	(ARCA Rep)
	Bruce Harmsen	KA9EYX	
	Chris Tabor	K7TAB	

SARC, P. O. Box 10878, Scottsdale, AZ 85271-0878. Phone: 602.735.3988. DUES: \$20.00/YR, (\$10.00/Add'l Family Member). Web Site: www.scottsdalearc.org

ARIZONA NEAR SPACE RESEARCH

The Arizona Near Space Research group meets the **THIRD THURSDAY** of the month at 7:30 p.m. via GoToMeeting. Technical meetings are held the first Monday of the month at 7:30 p.m. on GoToMeeting. Please contact an officer about joining our meetings.

President	Stephen Thomas	KE7TLS	iamgadget1@yahoo.com
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	bmclean1@gmail.com

ANSR, PO Box 31003, Mesa, AZ 85275-1003. DUES: \$10.00/YR. Web Site: www.ansr.org

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at North Phoenix Campus of Northern Arizona University located at 15451 N. 28th Avenue (near I-17 and West Greenway Road). The meeting is held in room 147. See the website (<http://w7tbc.org>) for a map and more details.

President	Charles Loftus	KG7KRN	president@w7tbc.org
Vice President	Mike Baker	K7DD	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Walt Reinert	NJ8G	treasurer@w7tbc.org
Directors	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Rick Tejera	K7TEJ	k7tej@w7tbc.org
	Kenneth Charleton	K4FZH	k4fzh@w7tbc.org
	Nic Holladay	K7CLI	k7cli@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org

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. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 11394, Phoenix, AZ 85318-1394.

OLD PUEBLO RADIO CLUB

The Old Pueblo Radio Club meets the **SECOND WEDNESDAY** of March, June, September and December at 1:30 p.m. at Big Heart Coffee, 4802 E 22nd Street in Tucson. Visitors are welcome.

President	Ron Kalish	N7SPW	520.207.3852
Vice President & Treasurer	George Devich	N9IUK	520.760.0125
Board of Directors:	Jim Ulmer	KC7THU	
	Lin Donnelly	KF7CNR	
WebMaster			

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	Peter Petrotta	KD7OIW
Vice President	Charlie Zurenko	N2TFS
Secretary	Rob Rodriguez	KI7PDR
Treasurer	Mark Steele	KI7RB
Past President	Frank Engstrom	KB7IQ

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. Monthly meetings are held in various parts of Arizona. The schedule is as follows:

Phoenix - Third Wednesday of each month. Contact John Marshall at wa7bsr@gmail.com

Prescott - Second Tuesday of each month at 10:30 a.m. at Golden Corral, 1901 EAZ-69 in Prescott. 982.776.1664. Contact Don Broadston.

Tucson - Seeking volunteer to set up monthly meetings in Tucson.

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	WA7BSR	623.334.2583
Vice President			
Secretary			
Treasurer	Dave Hanson	W7BJw7bj@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	Bob Sitterley	K7POF	928.636.2146
Secretary	Lori Cripps	WA7EDI	602.955.7517
Board Members:	Phil Hazlett	WA7UID	
	Sonja Hazlett	WB7CWW	
	Peggy Williams	KD7AWU	
	Jerry Roberts	KB7CN	
	Gary Hamman	K7GH	
	Ken Rasback	KK7KEN	

Web Site: <http://www.k7mrg.org>. DUES: \$20.00 per year, due prior to July 1. MEMBERSHIP YEAR - July 1 - June 30.

KACHINA AMATEUR RADIO CLUB

The Kachina Amateur Radio Club meets the **SECOND TUESDAY** of each month at 6:30 p.m. at the Solterra at White Mountains, 5408 W White Mountain Blvd in Show Low.

President	Randy Beecroft	W7RJB	
Vice President	Jim Mortensen	W7AZY	
Secretary	Marie Mortensen	N7SKS	
Treasurer	Dennis Wilkes	W7DRW	928.739.4700

Mailing Address: Kachina Amateur Radio Club, P O Box 2996, Show Low, AZ 85902. Email: info@kachinaarc.org Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: www.kachinaarc.org

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 SR143 and University Drive. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

President	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Erv Heimbeck, 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 (Joe Godfrey, AE7JG 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.

SUPERSTITION AMATEUR RADIO CLUB

The Superstition Amateur Radio Club meets the **THIRD TUESDAY** of every month (except December) at 7:00 p.m. at the Charles K Luster Building, 640 N. Mesa Drive (near N. Mesa Drive & E University Dr.) in central Mesa. Visitors are Encouraged. The Officers and Board of Directors meet the second Tuesday of every month (except December) at 6:30 p.m. at Black Bear Diner, 1809 E. Baseline Road (near Gilbert Rd & E. Baseline Rd.) in Gilbert.

President	Andy Keels	KD4ABB	480.622.4000
Vice President	Ed Taggard	K7EDT	480.813.7440
Secretary	Brent Butler	W7FK	480.332.1141
Treasurer	Bryan Hubbard	KF7DPC	480.205.8122
Board Members:	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	Bob Thomas	N8ANV	239.253.8279
	Larry Fort	AB7C	480.861.7066
	Don Rollock	W2EUL w2eul@yahoo.com	
	Fred Atkinson	WB4AEJ	602.464.4406
	Steve Estes	KB7KWK	480.251.0551

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 more information, contact: 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	Dave Hall	N7ZPY	
Vice President	Norm Johnson	AA7OO	480.278.2886
Treasurer	Don Aldridge	WA7RLL	
Board Member	David Yee	N7AJR	
Secretary	Open		
Trustee:	Norm Johnson	AA7OO	480.278.2886
Webmaster:	Norm Johnson	AA7OO	480.278.2886

MARCA, Inc., c/o Norm Johnson, 5756 S Wildrose, PO Box 85140, Mesa, Arizona 85212. Membership dues \$25 annually. See our website (<http://w7mot.org>) for more information about meeting schedules, membership, repeaters, library, and club activities.

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 Granite Reef Senior Center, 1700 N Granite Reef Road in Scottsdale. The May meeting is a BBQ dinner starting at 6:00 p.m., paid reservations required. Visitors always welcome. See www.cadx.org/meetings.html for a map.

President	Larry Loen	WO7R	lwloen@gmail.com
Vice President	Mike Fulcher	KC7V	kc7vmike@q.com
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Lee Finkel	KY7M	ars.ky7m@gmail.com
Board Members	Fred Hoffert, III	NA2U	cwman1@aol.com
At-Large	John Jolly	N7NWL	wa7nw1@gmail.com

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.cadx.org.



YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (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	Bill Noe	WG7W	president@w7yrc.org
Vice-President	John Snedden	KT7P	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Board Members	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
	Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com
	Dave Erlach	W7VXS	rocketdog@dslextre.com
	Mike Reid	N7IEP	mdr126@gmail.com
	John Laing	K7PRS	

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. (December is annual Christmas Party). Visitors are VERY welcome. Board Meetings are held at 9:00 a.m. at the Ascension Lutheran Church located at 1220 W Magee Road in Tucson. Check the web site at www.tucsonhamradio.org for dates.

President	Steve Wood, W1SR	W1SR@arrl.net
Vice-President	Mike Peterson K7VTT	azmacguru@gmail.com
Secretary	Logan Zintsmaster KZ6O	kz6o@arrl.net
Treasurer	Hanna Eckert, KG7TPD	haneck@aol.com
Board Members	Fred Bresani W2HZ	
	Hal Long N7BAZ	
	Gary Pierce AE7GP	
	Marnee Dearman KG7SIO	
	Tom Ambler W7TRA	

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/>.

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	Curt Steger	NA7CS	president@copahams.org
Vice President	Wayne Kropp	KI7SPW	vicepresident@copahams.org
Secretary	Bob Proctor	N6YPE	secretary@copahams.org
Treasurer	George Hogan	K7TGH	treasurer@copahams.org
PIO:	Steve Miller	W6SDM	pio@copahams.org
Webmaster:	David French	N7FAN	david@copahams.org

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

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. Hours of operation are the same as the Arizona Science Center (subject to availability of volunteers.) The station is located on the third floor of the Science Center, in the "My Digital World" gallery. Board meetings are held the last month of each quarter at the AZ Science Center. An 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
Sec./Scheduling	Sam Marshall	N7INV	602.291.0992
Treasurer	Karen McConaghy	NO7D	602.799.7338
Station Engineer	Ron Taylor	WA7GIL	602.390.5335
Webmaster	Allyson Lee	KI7LGD	w7asc.webmaster@gmail.com

Board Members:

Jean Jolkovski	W4CIH	ADAW, Publicity
Tom Salt	AD7PM	At Large
John O'Neal	K7JP	Teacher Packets
Bob Burleson	KG7QJ	Trustee/President Emeritus
Robert Faerber	W9AQ	Log Book
Scott Gillins	W2KP	At Large

Direct Phone: 602.716.2082 Web Site: <http://www.w7asc.org>
 For information: Email to carl@w7asc.org or call Jack, KD7ROB at 480.759.5195.

AMATEUR TELEVISION NETWORK

The Amateur Television Network (ATN) is a group of radio amateurs that promote video operation on linked repeaters and mesh networks. We hold business meetings in January and July and social meetings the **THIRD SUNDAY** of each month at 6:00 PM at Denny's Restaurant, 825 S 48th Street in Tempe. Watch our nets on Wednesday and Sunday at 7:00 PM Arizona time and Tuesday at 7:30 PM Pacific time. Our video streams are on www.youtube.com, search for W6ATN Live or W7ATN-Mesa Live. Send your live video to whereby.com/amateurtvnetwork or on amateur radio ATV or FM.

ATV Repeater Inputs: All Sites: 434 MHz AM/DVB-T and 2441.5 MHz FM

ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz, Mesa - 421.25 & 1289.25 MHz, Tucson - 1277.25 MHz

FM Repeater Outputs: Phoenix - 448.400 MHz, PL 100.0, Mesa - 445.175 MHz, PL 100.0, Tucson - 445.225 MHz, PL 103.5

President	Ed Olague	K5OLA	602.885.7725
Vice President	Rod Fritz	WB9KMO	480.322.5149
Sec./Treasurer	Lee Weitzel	K0CCU	602.439.4840
Repeater Trustee	Kevin Jacobson	AD7OI	602.694.0851
Webmaster	Roland Hoffman	KC6JPG	562.577.1381

ATN-AZ, 4134 W. Danbury Dr. Glendale, AZ 85308. Membership dues are \$75 annually. Website: www.atn-tv.org. Email: wb9kmo@gmail.com

WEST VALLEY AMATEUR RADIO CLUB

The West Valley Amateur Radio Club, an Arizona 501(c)(3) non-profit corporation, has been providing emergency communications since 1961. Meetings are the **FIRST MONDAY** of each month at 7:00 PM at Shepherd of the Desert Lutheran Church, 11025 N 111th Avenue in Sun City. The board meets on the third Tuesday of the month at 1:00 PM at Lou's Tivoli Gardens, 12535 W Bell Rd in Surprise. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Club nets are held on 147.300 (tone 162.2) at 9:00 AM daily and Monday - Thursday at 8:00 PM. Please check our website (below) for other events and information.

President	Danny Hoerr	KM4HFT
Vice-President	Fred Peters	K7WFP
Secretary	April Kramer	KI7GFJ
Treasurer	Doug Totel	K9RZ
Board Member:	Gary Franklin	K8BKB
	Joe Fitzgerald	KV2H
	David "Cee" Putman,	W7DCP
	Tom Smith	WA0OFO
Past President	Pat Regan	KD7TFD
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales		
	Ken Jenkins	WB6MMV
	or Jim Seay	WB7RBN

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://westvalleyarc.com>. Email: suncitywvarc@gmail.com

SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club meets **EVERY MONDAY** from October through April each year at 10:00 a.m. at the Greenfield Village RV Resort located at 99 South Quinn Circle in Mesa. Meetings are held in a gated community. For access, please contact Jerry Davis, K7AZJ at k7azj@arrl.net.

President	Jerry Davis	K7AZJ	k7azj@arrl.net
Vice President	Sue Rodgers	W7SKH	happyham7777@gmail.com
Secretary	Chuck Rodgers	W7CBR	rogers_charles@hotmail.com
Treasurer	Cliff Bean	AE7VZ	klyffone@gmail.com

Membership dues are \$10.00/year. If you would like to be a member, visit the website at <https://www.sunlifearc.org/>

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



ADAW Member Clubs

CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECONDSATURDAY** of each month at 9:00 AM at Tri-City Baptist Church, 2211 W Germann Road, Room #180 in Chandler (very back of parking lot). Visitors are welcome. Check the web site at chandlerhams.org for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President Gary Laatsch KI7PBR president@chandlerhams.org
 Vice President Norm Fasoletos K7NWF vicepresident@chandlerhams.org

Web Page: <http://chandlerhams.org>. DUES: \$25/year primary member; \$10/year family member.



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

ARAEEDITOR
T D Kennard N7ISR n7isr@w7ara.net

ARCCEDITOR
Charlie Zurenko N2TFS chazur@icloud.com

ATNEEDITOR
Ed Olague K5OLA 602.885.7725

CADXAEDITOR
Lee Finkel KY7M ars.ky7m@gmail.com

CARLEEDITOR
Jean Jolkovski W4CIH 480.664.7353

CHRCEDITOR
Gary Laatsch KI7PBR ki7pbr@cox.net

KARCEEDITOR
Lydiann McFadden lydiann@gmail.com

MARAEDITOR
Curt Steger NA7CS csteger515@gmail.com

MARCAEDITOR
Norm Johnson AA7OO 480.278.2886

MMRGEDITOR
Lori Cripps WA7EDI 602.955.7517

OPRCEDITOR
Ron Kalish N7SPW 520.207.3852

OVARCEEDITOR
Steve Wood W1SR nauset2222@yahoo.com

George Cooley NG7A george@ng7a.com

QCWAEDITOR
John Marshall WA7BSR 623.334.2583

SARCEEDITOR
Paul Finell W7EFQ 602.741.6563

SunlifeEDITOR
Bill Farina KE0WPF 608.301.5544

SuperstitionARCEEDITOR
Larry Kuck WB7C Ellsworth@us60.us

TBARCEEDITOR
Andrew Cornwall KF7CCC kf7ccc@arrl.net

WVARCEEDITOR
David Putman W7DCP 253.307.0544

YARCEEDITOR
Don Bauer WB7TPH dbauer2250@aol.com

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

ADAWWEBSITE www.adaw.org



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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

What a difference a month makes. The last several weeks have given us the opportunity to rethink the way we go about our daily routines. While I always kept hand sanitizer in my vehicles and used it frequently, I didn't regularly wipe down my door handles, steering wheel, shift lever, and other parts of the car that I frequently touch. I don't recall ever using disposable gloves when refueling or using the keypad on gas pumps. I never really felt the need to keep a safe distance between myself and others when at the store or in the office. I didn't think twice about borrowing a pen to sign a receipt. Today, I do all that and more.

A couple weeks back we were actively participating in the annual Palo Verde Nuclear drill. We joined hundreds of others including volunteers and employees from APS, MCSO, Buckeye Fire and Police, FEMA, AZ Dept. of Health Services, hams from MCECG, and many others tasked with responding in the event of an incident at the power plant. This week we are asked to work from home, avoid social interactions, and limit our public outings. Bars and restaurants are closed, store hours scaled back, shelves nearly empty, and many other services we take for granted reduced or shut down to protect public health.

When COVID-19 first reared its ugly head, we saw it as a problem for others. It was a problem in China, South Korea, Japan, Iran, and Italy. It wasn't our problem. What a difference a month makes. It is here. It is our problem. It is something we all need to understand and something we need to fight. We need to act responsibly. We can continue to go about business as usual and hope for the best or we can do what we do best in this country; face the challenge head-on. We need to make some tough choices and adjust our routines to not only protect ourselves but to protect the community as a whole. That is what America does in times of crisis. We pull together and stay strong.

With each passing day we see the numbers climb. More people testing positive, more people needing hospital care, and sadly, more people dying. While I like to think I am healthy and perhaps if infected, I'd be able to fight it off. Maybe I'd be lucky. Maybe not. That is a risk I might be willing to take.

The thing that troubles me is that I might be infected and then unknowingly pass it on to someone more vulnerable. The

ARCCC Continued from Previous Column

thought of infecting someone who couldn't shake it and winds up on a respirator or dies bothers me. We all have friends with medical conditions like diabetes or respiratory problems. But how many people do we know who haven't shared their health issues with us? Do we know someone who has a weakened immune system or other condition that they have not told us about? Could we be harming someone else?

For now, I think we all need to assess where we are and what is happening around us. This is not the time to panic or run scared. We need to educate ourselves and our loved ones. Don't believe everything you read on Facebook or hear from other questionable sources around town. Do yourself a favor and rely on the experts. Become familiar with reliable sources of information in the days to come. Look to the CDC ([cdc.gov](https://www.cdc.gov)) and Arizona Department of Health Services ([azdhs.gov](https://www.azdhs.gov)) for the most current information and be guided by their recommendations.

We have a choice. If we all dig in and do our part, this health emergency will be a bump in the road that we can all look back on, laughing at stories of people hoarding toilet paper back in the day. If we do nothing, we may look back and regret that we didn't do more to protect our friends and neighbors. The choice is ours.

One final thought. If you are healthy and cabin fever is setting in, consider donating blood. In recent weeks, over 200,000 units of blood went uncollected because school blood drives were cancelled. Roughly 40% of the blood collected at Red Cross blood drives comes from students in high school and college. Our nation's blood supply is at a dangerously low level. To help meet the need, the Red Cross has stepped up efforts to bolster our blood reserves. Each day accident victims, cancer patients, and so many others require blood or blood products. The need is constant, and volunteer donors are the only source of blood for those in need. You can help by making an appointment to donate blood this week by visiting redcrossblood.org.

ADAW



Continued Next Column



AMATEUR RADIO SERVICE DEMONSTRATION STATION

W7ASC is a Demonstration Station for the Amateur Radio (public) Service. The Volunteers who operate the station are members of the Center for Amateur Radio Learning (C.A.R.L.), a 501(c)(3) organization. W7ASC is open to all visitors to the Arizona Science Center during those hours when the Arizona Science Center is open. The station is located on the third floor of the Science Center in the “My Digital World” gallery. Direct phone number is 602-716-2082

VOLUNTEERING AT W7ASC IS FUN – AND A TOTALLY UNIQUE HAM EXPERIENCE!

This Newsletter is being written in early March, though it will be read about a month later. The really big unknown is the status of the COVID-19 virus. Will Ham radio be called upon to provide communication to isolated areas? You will know the answer by the time that you read this.

The Center for Amateur Radio Learning (C.A.R.L.) had its annual meeting the last day of February. Business went smoothly and the Board and Officers were reelected. We had an excellent presentation from Scott W2KP who explained the local progress of Mesh Communications. If you missed the meeting, you can review the presentation at www.azmesh.org. But do not wait too long as this is a work in progress.

Earlier this month, Jim N7BBS (C.A.R.L. Vice President) emailed our members with a story from the Shack about a contact that could only have happened at W7ASC. Jim had been in a DMR QSO about a month prior with a station in the UK as part of a demonstration. The operator was planning a trip to Arizona, so Jim suggested a visit to the Science Center. Arrangements were made and a couple of folks from England, Robert G3YZO & Jenny M0JKN, arrived at the Shack while Jim was volunteering. Jim explained the capabilities of our Shack to them and they made an HF contact from W7ASC. Jim mentioned that we use a video from the RSGB (the British equivalent of the ARRL) on our large monitor. While watching this video Jenny exclaimed to Jim that she had been filmed while she volunteered at London’s Science Center and was in that video as a result! How frequently could that happen?

>>>>

That Mesh presentation brings to mind the fact that Ham radio is faced with a continuing challenge. On one hand, our license reads “Amateur Radio Service” which usually means communication service when other means have been damaged. Hams reinforce the capabilities that are available in other areas by going to the stricken areas, bringing their own gear. What would happen if the locals were D-Star and the visitors were DMR? Or WIRES? Progress can threaten interoperability!

The challenge that we Hams face is the conflict between our missions. The ability to form ad hoc networks in support of cross jurisdictional boundaries requires strict adherence to universal standards. Our drive to innovate demands that we break out of the limitations imposed by standards. Which takes priority?

The USA’s leadership in productivity is generally recognized as the result of standardization. The National Bureau of Standards was created by the US Government in 1901 for the purpose of, as the name implies, establishing commonality in basic physical elements such as weights and measures. At a later date the mission was expanded to give the nation a time standard. Many of us have often used WWV for setting time. Now, of course, that time is distributed via cell phone & the internet, but the standard for many hams is still found on good old WWV from Fort Collins, Colorado.

Which should take precedence in Ham radio? Should we reject change in favor of interoperability? Fortunately, there is no need to make a global choice as it depends upon the mission. For those of us who focus on emergency communication, we must be slow to change. For others, experimentation and innovation must be encouraged. Any Ham can do both, just so long as we keep them separated!

As usual, questions, comments, and contributions to future newsletters are always welcome. The author can be contacted at jeanjol@hotmail.com or by phone at 480-664-7353 or at those rare times when W4CIH is on the air.

73 de W4CIH until next month, and stay away from that Virus!

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The Report on the next page was also received.



Special Announcement

The Amateur Radio Council of Arizona is currently seeking nominations for their Ham of the Year and Young Ham of the Year awards. If you know someone who is worthy of being honored for their contributions to amateur radio and the amateur radio community of the state, ask your club to nominate them for this award. Details and instructions are on the ARCA web page at www.arca-az.org. Click on the "Ham of the Year" or "Young Ham of the Year" link. Nominations are due to ARCA on May 1st, 2020.

The 2020 ARCA Scholarship Program is also soliciting applications. Information, guidelines, requirements, and forms are available on the ARCA web page at www.arca-az.org. Click on the "Scholarships Info & Forms" link. Applications are due to ARCA no later than May 1st, 2020. Scholarship will be awarded at the Annual Meeting in Summer 2020.



CARL Continued from Page 8

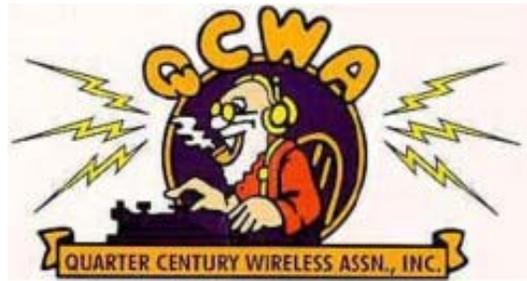
THUNDERBIRD HAMFEST SALES:

Per Jim N7BBS, \$1,420 of donated ham equipment was sold on behalf of CARL at the Thunderbird Hamfest on Saturday, 11 January 2020. Jim was assisted by the rest of our Tuesday volunteer crew - Dave W7PMD & Dennis N4NDS. Thanks gentlemen!!

Jim reports that his back is thankful that they sold some of the "heavy stuff" that he has been lugging to hamfests and that some of the gear went to new hams. Thanks to the hams for purchasing equipment from CARL and supporting our mission at the AZ Science Center! Jim also mentions the TBIRD hamfest operation was well-organized and accommodating to us.

Besides his hamfest presence, Jim has been part of a group represented by SARC, TBIRD, and ARA that has provided technician classes at ASC for the last few years. Jim was especially gratified when the person manning the gate at the Thunderbird hamfest recognized him as part of that team & thanked Jim for helping to get him into amateur radio.

(Club Editor's Note: The above story was accidentally omitted from last month's CARL report. A photo of Jim representing at the TBARC hamfest was published in last month's ADAW Newsletter - N7INV).



CHAPTER 16

BARRYM.GOLDWATER ARIZONA CHAPTER

Amateurs in Arizona with twenty five years of experience are invited to join the QCWA. There are monthly meetings in various parts of Arizona

Phoenix, AZ

Third Wednesday of each month at 9:30 AM
Contact: John L Marshall
WA7BSR@gmail.com

Prescott, AZ

Second Tuesday of the month at 10.30 AM
Golden Corral
1901 E AZ-69
Prescott, AZ 86302
928-776-1664
Contact: Don Broadston

Tucson, AZ

We need a volunteer to set up monthly meetings in Tucson.

Officers are:

(All officer positions are open for volunteers.)

President: John Marshall WA7BSR 623-334-2583

Vice President: Open

Secretary: Open

Treasurer: Dave Hanson W7BJw7bj@outlook.com

Webmaster: John Marshall WA7BSR WA7BSR@gmail.com

Web Site: <http://azqcwa.org> Email: azqcwa@gmail.com.

DUES: \$7.00/year and current national QCWA membership.





For Sale / Wanted



**LOOK!
Great Deals!**

For Sale

HELLO ALL,

This has been a confusing month for me, with computer failures, medical issues with family members, and LOTS of facilities issues both here and in Chino Valley.

The club has been VERY busy preparing for our HAMFEST on March 21st. We have added an additional prize to the list, an interesting piece of test equipment for measuring many parameters on antennas, filters, etc. It is marketed as a NANOVNA.

It appears Al Jensen (KE7FSD) may have finished up his classes on FUSION radio for the time being. He has done a specular job with his instruction. If we can encourage him to put on again, it would be FANTASTIC opportunity to learn FUSION digital, NOT TO BE MISSED!

Our club is actively improving our repeaters, connecting to the intermittent for access to the rest of the world.

Four months ago I ordered replacement parts for my HY-GAIN HY_TOWER from HY-GAIN now MFJ. Through backorder times and shipping problems caused the delays. I am currently in the rebuilding phase coupled with a broken wrist. I am upgrading the antenna with the added bands of 160 Meters and 17 Meters. I have over 50 years experience with the antenna, and highly recommend it.

I recently acquired an ICOM IC 7300 transceiver, and am very pleased with it. It appears to be better than my FLEX 5000. I really like HAM computers with built in Radios.

I am looking forward to better propagation with the sun spot numbers that are supposed to be improving . Good DXing

73's,
Paul W7EFQ



SARC CONSTANTS:

SARC is a 501 (c)(3) club. That means all donations are fully tax deductible. Contact Paul Finell W7EFQ at 602.741.6563 for information on estate donations and equipment pick-up.

For membership information, call Ed Nickerson, WU7S at 480.949.5162. Please send address change requests to Judy no later than the 7th of the month in which you would like the change to occur.



Stacked 70CM KLM Yagis - Two, 16-element stacked side-by-side for vertical polarization. Gain 14.0 dBd each, 17dBd for the stack. Broadbanded 420-450 MHz. I used it for ATV. Boom length 10 ft. 3in. \$160 including manual. Contact Erik Basilier K7TV at ebasilier@cox.net

Steppir 3-Element Antenna with optional 40M - 30M Dipole (Trombone) Kit. Also with 6M passive element, SDA 100 with D25 splice, and plug in connector junction box (pipe-bomb upgrade). Excellent Condition - \$2,000.00

Contact Bob Drake AF7EL at 623.385.6531 or email af7el@yahoo.com

11.0/13.5 KW 120/240 V Predator Generator

Looks and runs like new. Electric start with 12V battery and charger. Purchased 8/3/16, has 37 hours total run time. Comes with Manual, complete maintenance log, 90' 50-A cable, and dual 6' loading ramps. \$1800.00 Contact: Dave West K9JKN at WestDL@aol.com or 480.641.1480.

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 Jim Seay, WB7RBN at wb7rbn@arrl.com.



Hamfest Calendar

11 April 2020 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Cross Communications Club will be held at DeVry, 149 W Dunlap Avenue in Phoenix. Date is Tentative. Details.

Canceled

18 April 2020 - **ATN Surprise Hamfest** - hosted by the Amateur Television Network will be held at 12983 W Grand Avenue in Surprise. Hours are 7:30 AM until 12:00 Noon. General Admission: \$1 per person. Tailgaters, Vendors & Club Booths are \$10 per space with set up beginning at 6:30 AM. Early Arrival and Camping May Be Available. Contact Bob Minnick, W8ARZ at povertyflataz@yahoo.com for space and booth reservations. Talk-In on 448.400 MHz FM PL 100.0. Direct questions to Rod Fritz, WB9KMO at wb9kmo@gmail.com.

5 May 2020 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club, 14th Moson Road in Sierra Vista. Gates open at 7:00 AM. Admission and Parking. Tailgating - \$5. Inside Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) PL 162.2 Hz. Watch for more details.

Canceled

26 September 2020 - **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 - 6:00 AM - 11:00 AM. Free Admission and Buyer Parking. Tailgate Spaces \$10 per Parking Space. Free VE Testing at 9:00 AM - GOTA Station - QSL Card Checking - Prizes. Snacks & Beverages Available for Purchase. No Alcohol, Drugs, or Firearms. Talk-In Frequency 146.800 FM Tone 156.7. For Information & Map, visit <http://www.k7rst.org>

24 October 2020 - **Copafest** - hosted by the Maricopa Amateur Radio Club will be held at The Ultrastar at Ak-Chin Circle, 16000 N Maricopa Rd in Maricopa. Hours are 7:00 AM until 1:00 PM. Admission Donation is \$5.00 per person. Spaces are \$10.00 for two parking spaces. Setup begins at 5:00 AM. Balloon Launch, VE Testing, Card Checking, Vendor Exhibits, Seminars, Prizes and more. Many activities available in the Multitainment Center including laser tag, bowling, movies, games, dining and more. Dining and Hotel also available. For information, email fest@copafest.org or visit the website at www.copafest.org.

14 November 2020 - **Oro Valley Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 West Grier Rd in Marana. Gates open at 7:00 AM, closes at 1:00 PM. Admission is \$5.00 which includes a bottle of water. Children under 12 with a paid adult and students with any Arizona school ID are free. Sellers spaces are \$10.00 per space and includes seller's admission. Indoor VE Session with pre-registration preferred, but not required. Send an email to pre-register (email licensing@tucsonhamradio.org). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Truck for Breakfast and Lunch. Contact hamfest@tucsonhamradio.org for more information. Visit the website at www.tucsonhamradio.org.

21 November 2020 - **HARKfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. ARRL Card Checking, Free Admission, Free Tailgate Sites (Pre-Registration is Required. Email: bridges.slt@gmail.com) Overnight Camping (Full Hook-Up or Dry) is Available (Pre-Registration is required for camping northranch@escapees.com) Tailgating permitted at campsite. Free VE Testing via LARC VE testing - Must Pre-register via email to cecarter39@yahoo.com - Prizes - Arts & Crafts Show at the Activity Center 9:00 AM - 2:00 PM. Lunch will be served at the Activity Center. Talk-In 146.620 (pl 162.2) or 146.580 (simplex) Visit the web site at harkaz.org for up-to-date information. Questions? Email Duane Grooms, KD0KYK at djgrooms@yahoo.com

5 December 2019 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College, 1833 W Southern Ave in Mesa. Hours are 8:00 AM - 4:00 PM. Admission is \$5.00/person (includes 1 door prize ticket) and children 12 and under free. Tailgate is \$10.00 for 2 spaces which includes 2 paid admissions tickets. VE Testing will be available. Registration is from 8:00 to 9:00 AM with testing beginning at 9:00 AM. ARRL Card Checking, Special Event Station, GOTA Station, Fox Hunt, Prizes, Live Music, and Food Vendor will be available. Contact the Hamfest Chairman at chairman@superstitionsuperfest.org for more information.



APRIL 22ND

ADAW



The times are interesting . . .

It's official: we had to cancel the March and it looks like the April TBARC meetings. Our host, Northern Arizona University, has canceled all events through April 30. The club hopes you and yours are staying healthy and have sufficient toilet paper to get you through the current viral disruption.

TBARC emcomm

Thankfully our communications infrastructure has so far remained strong so our emcomm group has not been called in to assist at the HonorHealth hospitals. Now is a good time to start thinking about finishing the FEMA ICS courses if you haven't already. Most hospitals and other agencies will require that you have IS-100, IS-200, and IS-700 to volunteer. If you've got those already, follow up with IS-800 - and then think about a number of the other interesting courses at training.fema.gov/is. Your tax dollars have already paid for them so why not take them now that you have down time?

New PO Box

In case this slipped by last month, we want to make sure you know that the club now has two post office boxes: one for membership, and one for everything else (the club callsign, repeater site rental, tax forms, that sort of thing).

If you have correspondence of any kind except for membership, please send it to:

Thunderbird Amateur Radio Club
PO Box 11394
Glendale, AZ 85318-1394

If you'd like to renew your membership, the easiest way is online - but if you want to send us a check or write a letter about a membership inquiry, we'll take it at the membership address (which hasn't changed):

Thunderbird Amateur Radio Club (Membership)
P.O. Box 32544
Phoenix, AZ 85064-2544

Thanks!

Polo Shirts in the Works

At the February meeting, Charlie Loftus KG7KRN introduced the idea of polo shirts for the club, and passed around an example. The shirts use an Under Armour-type

TBARC Continued from Previous Column

fabric which is soft and dries quickly. These will probably end up around \$35-40 each. I know the board expressed preferences for shirts with pockets, if possible, and availability of all kinds of sizes, including big and tall. Watch the website w7tbc.org for more details as they become available!

What gets you excited about ham radio?

Charlie Loftus KG7KRN also let us know that he's working on a survey. So start thinking about it today: what gets you excited about ham radio? Your thoughts will drive what the club does. We want to serve our members! If you want to hear about a specific aspect of the hobby, let us know. Even better, if you know a specific aspect that gets you excited - talk to us about sharing it with others!

May General Meeting

As mentioned earlier, there won't be a TBARC meeting in April and May is hazy at this time. But we're still planning on getting together - just not in person. We're radio operators after all! Check the club repeater system on the third Thursday of the month around 7:00 p.m. We'll have more details then, and we'd love to hear you there!

Andrew Cornwall, KF7CCC
kf7ccc@arrl.net



Ned Stearns, AA7A talks about remote operations



Continued Next Column

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.

IMPORTANT NOTICE: In light of the current situation with the COVID-19 virus, please call to verify if test session will be held.

April Test Sessions

Apr 4th, 11th, 18th, 25th - NOMADS -- 9:00 AM

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

Apr 18th - Coconino ARC -- 9:00 AM

North Country Healthcare, 2920 N 4th St, Ste A1, Flagstaff
Contact - Roderick Martin 928.254.3420

Apr 1th - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, 141 S 3rd Ave, Yuma
Contact - John Ham 970.927.3273
No Walk-Ins / Call Ahead / Appointment Only

Apr 18th - Hualapai ARC -- 10:00 AM

Kingman Fire Station, 2600 Northern, Kingman
Contact - Daniel Miller 928.897.3883

Apr 13th - East Valley VE Team -- 6:00 PM

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

Apr 21st - Hassayampa AR Klub -- 2:00 PM

Home, 30645 S Wandering Way, Escapees North Ranch, Congress
Contact - Charles Carter 316.651.7710
No Walk-Ins - Call Ahead for Test and Location Info

Apr 14th - WARC -- 7:30 PM

Senior Circle Building, 2728 Silver Creek Rd, Bullhead City
Contact - Carolyn Krick 928.897.7439

Apr 25th - Boy Scout Troop 127 -- 8:00 PM

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

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

Honor Health Medical Office Bldg, 19841 N 27th Ave, Phoenix
Contact - Brian McCarthy 623.486.0507

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

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Gary Hamman 602.996.8148
No Walk-Ins - Pre-Register by Saturday Before



ADAW



View From the Top of the Tower

Andy Keels, KD4ABB

Special Message from the President of the Superstition Amateur Radio Club

Monday, March 16, 2020 18:00MST

One of the fundamental tenants of the amateur radio hobby is emergency preparedness. All the recent news coverage of the spreading COVID19 flu virus has many in our community looking for some signs of stability and reassurance. It is times like this when we as amateur radio operators have the opportunity to shine bright. With many of the things that normally consume our weekly activities closed or canceled, I ask that you use this opportunity that has been handed us to evaluate the condition of your radio equipment and your ability to deploy it quickly.

- Is your handheld radio charged, programmed, and ready to go?
- Are your antennas in good working condition?
- Do you have spare batteries for your all your radios?
- If you have a generator, has it been serviced recently?
- Do you know which repeaters in the valley are designated for emergency traffic?
- Do you have portable antennas that you could use quickly if you were asked to set up an emergency communications station at a local hospital, church, or community center?
- Have you recently visited the ARRL website to read their advice regarding emergency communications preparedness?

I encourage all of our members to listen to the Arizona Emergency Net - Maricopa County which occurs every Monday night at 21:00 MST. The net is held on the ARA Metrolink repeater system. Details about the net can be found on www.aen-mar.org. This is a good way to share and learn information on how you can prepare for operating in an emergency communications situation.

The officers of the Superstition Amateur Radio Club are in contact with the Arizona State Emergency Communications Center, EOC. We are also closely watching the ever changing situation and will keep you informed as conditions that affect us change.

Superstition Continued from Previous Column

As of Monday, March 16, 2020, the club is making the following modifications to our activities.

The Superstition ARC April club meeting will be held same time as usual. It will just be on our club repeaters instead of. We are rescheduling our guest, Bob Heil, to another meeting this summer.

The Superstition ARC May club meeting is still scheduled to occur as planned on May 19 at 19:00 MST.

The Superstition ARC Falcon Field activity is being rescheduled to a future.

The Superstition Superfest is still scheduled to occur as planned on Saturday, December 5.

The Superstition ARC ARRL Field Day activity is still scheduled to occur the weekend of June 27-28, 2020.

The Superstition ARC officers and directors are now focusing our attention on planning for ARRL Field Day 2020. The equipment preparation described above will also prepare you for Field Day activities.

The Superstition Amateur Radio Club wants to be recognized as an organization that can be counted on to serve our community and help our neighbors when need arises.

Thank you for your dedication to our hobby and service to our club.

Best Regards,
Andy Keels, KD4ABB
President
Superstition Amateur Radio Club
president@superstitionarc.org

Club publication Article Submission deadlines:

For this ADAW column, please submit by 3rd of this month for next month. Publishes 24th of this month. For the Communicator, the club's member newsletter, submit by the 27th of this month. It publishes first week of next month.

73 Larry Kuck, WB7C for Superstition ARC's part of this ADAW.

ADAW

Continued Next Column

Continued on page 16



The program for the Arizona Amateur Radio Club meeting of March 12 was about message handling and the National Traffic System. We saw the Radiogram form used and found out how a message gets from the originator to the addressee at the destination through the National Traffic System. We also did some planning for the April 11 DeVry hamfest, but in view of the CoronaVirus issue, the decision to cancel was made a week later. So there will be no April Hamfest at DeVry this year.

The next club meeting is scheduled for April 9, but watch for an email from Gary before then. It is likely to be canceled or changed to a meeting on the air or internet.

73,
Lori, WA7EDI



In these confusing and cautious days, the Yavapai Amateur Radio Club has taken the recommendations of the Federal and local governments to heart. We have, therefore, respectfully cancelled all club functions for the short term future. It is our sincere hope that this situation will end soon and that we can get back to life as usual.

In the interim, we are encouraging members to become more active on the air while at home in their radio shacks. Look for YARC members on the air on 2-meter FM Simplex in April as we begin a month long club contest on that band. If you would like to participate, or just respond to our members calling CQ, check out the contest information on our website www.w7yrc.org

YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. We are an ARRL Special Service club. The designation reflects our active public and community service efforts. When things return to normal, why not join us for one of our regular club meetings. All the information will be on our website, www.w7yrc.org.

Superstition Continued from Page 15

Superstition ARC Repeaters

- 147.120 MHz (+) 162.2 Hz - Usery *
- 448.275 MHz (-) 100.0 Hz - Usery - FUSION
- 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 Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.
- Mesh Information Net:** Thursdays, 7:00 PM - Net control Steve, KB7KWK

10-Meter Rag Chew: Thursdays, 8:00 PM, 28.465 MHz USB

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.



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*



Our transition to an all digital repeater network is moving along. There are so many advantages that we are experiencing already as more technical refinements are made. Analog operations in the area continue to be readily available for analog users; at last count there are more than 25 analog repeaters in metro Tucson. We are connecting with local public service providers to educate them and show them the advantages of transitioning to digital modes.

We had an excellent turnout at our February meeting and extend our thanks to Tom, N6BT a dedicated antenna designer passionate about getting hams on the air regardless of their restrictions. Thank you Tom!

We also held a Pre-Meeting in February where Mike, K7VTT was there to help new Fusion users to get on the air. As Mike pointed out, it's simple and very intuitive but there are many that hear the words "hot spot" and wonder what that means or if they need one. These are good questions and will continue to be asked. We have several users that are committed to UHF/VHF and are regular users of our digital repeaters. With a hot spot, they can travel wherever they want and continue to be in contact with Tucson hams just like they were home. This is one of the outstanding benefits of a digital repeater system.

Our monthly meetings are supported by a small group of dedicated members that get little recognition so what a better place to highlight them. Bev, WB7BEV is there every month to run the raffle table and greet people when they arrive. Hanna - KG7TPD, attends every meeting and is the go to person when it comes to memberships, badges and whole lot more. She is also the one that keeps us well nourished with goodies. In the kitchen is John, KF7WJC who arrives early and makes coffee for our attendees. I can always count on John to be there and lend a hand. Our presentations wouldn't happen without three gentlemen in the sound booth - Scott - K7ADX, Carl - KB7AZ and Roger - K7ROG. These folks make the whole show come alive. Thank you all for putting on our meetings every month. We are always visitor friendly and would be happy to have you drop into one of our meetings. The details are always on our website at tucsonhamradio.org.

We're getting closer to Field Day and Hamvention season. It's not too late to make some plans for both.

Our November Hamfest is always in the planning stages. At

Continued Next Column

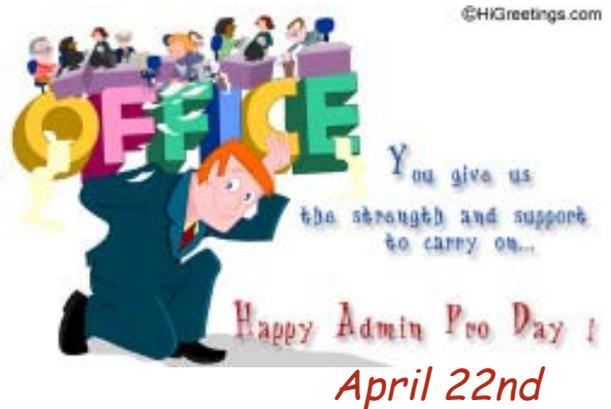
Public Service Calendar

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
March of Dimes March for Babies	Downtown Phoenix - Wesley Bolin Plaza	04/11/20
Pat's Run	Sun Devil Stadium/ and Tempe Town Lake	04/18/20
Zane Grey 50 (Highline Trail Run)	Payson Mogollan Rim	04/25/20
AZ Emergency Net - Maricopa Picnic	Payson, Houston Mesa Campground	05/16/20
Mogollon Monster 100	Pine	09/12/20
Barnburner Mountain Bike Race	Kendrick Peak (NW of Flagstaff)	09/19/20
Auxcomm Interest	TBD	12/31/21

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

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



ADAW

OVARC Continued from Previous Column

this point in the year, we are still looking for ham radio related donations so if you know of anyone wanting to donate equipment to our club, please send them our way.

73! Safe Travels & Good Health!

Steve - W1SR



Emergency Communications Since 1961

SHORT SKIP

WVARC Spring Picnic

Our picnic was held at Beardsley park on March 7th. The weather was great, except for one wind gust that had everyone holding on to their hats and chasing napkins.

Our grill master Fred, K7WFP, did his usual excellent job of cooking perfectly seasoned burgers with grilled onions, and all the bratwurst & hot dogs we could eat. Everyone came with a side dish in hand!

During the picnic the EmComm team held mock emergency drills.

It was a fantastic day thanks to the folks that worked hard to organize it, and the folks that brought their smiles & great conversation.



On the left is Gloria ~ W7GAP the Picnic Chairperson & on the right is our Grill Master Fred ~ K7WFP. Gloria is also “Ham of The Month” for March

Check out the club website (westvalleyarc.com) for more photos!

WVARC Fox Hunt

What is an Amateur Radio/Ham Fox Hunt? One of the hams, the “Fox” hides a small transmitter in a public location

WVARC Continued from Previous Column

such as a park. Then the “Hounds” using directional “Yagi” antennas to try and find the Fox. The “Hounds” can be teams consisting of both hams & non-hams. The idea is to find the “Fox” & have fun.

As part of our West Valley Amateur Radio Club’s goal to advance the art of radio communications, and to provide educational programs of interest in the technical aspects of amateur radio, the WVARC is currently developing a new Fox Hunting program. The goal of this new activity is to invite, teach and encourage anyone from Junior High through seniors, to be exposed to some of the many forms of ham radio use and to enjoy the best of our ham radio lifestyle.

Our Fox Hunt season will start in March and run through Fall, ending in a Fall Festival. We hope to have other amateur clubs in the Valley join and compete with us in a Fox Hunt and enjoy other fun ham activities with us. For more information, please contact Danny km4hft, 480 709 0413, dannykm4hft@gmail.com.

Thank you. Danny ~ KM4HFT, President of the West Valley Amateur Radio Club

Simplex in the Park Event

West Valley Amateur Radio Club will hold the Simplex in the Park Event on Monday, March 30, 2020 starting at 7:00 AM until noon. The intent of this exercise is to have fun with your handheld radio. We set up different antennas and communicate with spotters out in the field. We will utilize both analog and digital modes. We should have some test equipment to ‘check out’ your radio. Rumor has it there will be coffee and donuts. The location is Beardsley Park, 20011 N. 128th Ave, Ramada 10, Sun City West-use the Beardsley Rd. entrance. Ramada 10 is next to the parking lot. Bring a spare battery if you have one and the adapter needed to hook up your radio to the big antennas. This is a mini emergency communications and as such keep it light and simple-mobile radios are ok but must be battery/solar powered. Join us to have a fun day in the park playing with our radios. Fred KI7FGZ

West Valley Amateur Radio Club Annual Auction

The West Valley Amateur Radio Club hosted our annual Everything-Ham-Related auction February 3rd. Thank you to everyone that participated. Without all the volunteers, buyers, and sellers, the auction would not have been successful! This year there were 104 lots sold by 20 different sellers and purchased by 36 different bidders. There were vintage radios, never-used / seldom-used equipment, and of course, the well-used equipment. There was something for everyone including field day hats and mugs in addition to the fun radio gear. The 104 lots sold had winning bids totaling up to \$3,181. Items sold from \$1 to \$300, and half of the items sold were \$12 or less. This year we accepted credit cards using a pay pal card reader. Approximately 1/3 of the transactions were credit card transactions.

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Continued on Page 19



In lieu of our April 4, 2020, face-to-face meeting at the Copper Sky Sub Station, we will hold the meeting on the club repeater(s) instead at 9:00 AM. This means those attending the on-air meeting will have to provide their own coffee and doughnuts.

Our VE Team is also working on creative solutions for those that want to test. As of now, we have no information on the availability of our regular meeting place for the May 2, 2020, meeting. We will know more as we get closer to the date.

CopaFest is still scheduled for October 24, 2020. Again we will know more as we get closer to the date.

Stay safe!

73 DE NA7CS

Curt Steger, President

Maricopa Amateur Radio Association

The ARA is involved in many different aspects of Ham Radio. The technical resources of the ARA are in place to meet the community needs for Emergency Communications and Public Service. This need is evolving and a new committee is looking at the future of our technical assets. The team would like your input on the future tech of the ARA. You can email Patrick at ki4nsf@w7ara.net with your ideas, or if your willingness to participate in setting the ARA's future.

The ARA has always been interested in our Youth. The ARA sponsors Explorer Post 599 which meets every Tuesday. The youth do various projects to learn about electronics and Ham Radio. At one of the meetings, they were troubleshooting a broken TV. ARA's April General Meeting will be presented by the Post to recap what the members have been doing. This includes Field Day, various projects and demonstrations.

Post 599 is always looking for more youth to be involved. Post membership is for Jr High and above. Some activities may be open to all ages. More information can be found on Facebook (<https://www.facebook.com/W7BSA>).

The Coronavirus (COVID-19) situation has impact members of the larger community and the ARA. Our heart goes out to the families and victims of the Virus. The ARA had to cancel its March General Meeting per the guidance of the local Government. If there was a bright side, it could have been much worse.

If you look back at what transpired since March 1st, were you ready to respond if the threat had escalated? What would you do differently next time to be prepared? We never know when the Hams will be called upon to help. We need to be prepared to mobilize when activated.

I would like to invite you to get involved. Tech and Board meetings are on the First Thursday at Coco's on 7th St and the General Meeting is on the fourth Thursday of the month at Denny's. You can always get directions on the website at www.w7ara.org.

73,
Brian McCarthy, AK7F



WVARC Continued from Page 18

Save the date next year (First Monday in February _ Feb 1st, 2021) and join in the fun!



This is Krissy ~ KI7GJJ, the auction chairperson.

Check out the club website (westvalleyarc.com) for more photos!





No Reports Received

Old Pueblo Radio Club INTERMOD

Due to the current situation with COVID-19, the April meeting will be held virtually using the ZOOM meeting computer program. Meeting invitations will be sent via email to all 2020 paid club members a few days before the meeting. For any nonmember who wants to attend, send an email with your request to cadxa@cox.net. The next meeting will be on Thursday night, April 2nd, starting at 7:00 p.m. You can begin checking in at 6:30 p.m. The program will be “DX Seasons — a year-long review of propagation events” by Ned Stearns, AA7A. Please make certain you have your computer camera and microphone turned off when the meeting begins.

Have you noticed that there are some months of the year when DX is harder to find than others? Our April speaker, Ned Stearns, AA7A, will enlighten us about what he calls “DX Seasons” with a year-long review of propagation events. You will learn how the bands behave, season by season. Come and find out what you might be missing in the Arizona DX world and how to organize your time for greater success.

Ned is at the top of the DXCC Honor Roll for Mixed and Phone and only needs P5 for CW. He is on the DXCC Honor Roll for Digital, has 5BWAZ and 11 Band DXCC. He is also accomplished on VHF having worked nearly 1,000 grids on 6m and 900 grids on 2m. Ned is the first in W6/W7 land to pass the 3,000 level on DXCC Challenge. Come hear what our ace of aces has to say about DX Seasons.

At the March meeting, our speaker was Kelly, N0VD. He did an outstanding job of presenting his trip to D4 Cape Verde Islands. He wow’d the crowd with his mountaintop pictures of one of the world’s coolest contest locations. Thanks Kelly!

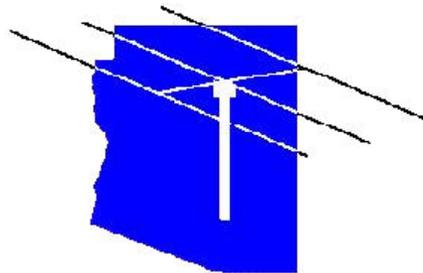
Members who haven’t renewed yet should know that dues for 2020 are overdue. You can mail a check to our Treasurer, Mike Wright, N7MW (good on QRZ.com) or email him at [n7mw \[at\] aol.com](mailto:n7mw@aol.com) to arrange payment via PayPal. Dues remain the same at \$25 per person, plus \$12.50 more for each additional family member residing at the same address.

See you on ZOOM!

73,
Larry Loen, WO7R
CADXA President

RACES Repeaters

145.150	packet/wide	N7OEM
146.880 - PL 110.9	wide coverage	N7OEM
448.55 - PL 110.9	wide coverage	N7OEM



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FTDX3000 | 100W HF + 6M Transceiver

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



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics
- Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-891 | HF+50 MHz All Mode Mobile Transceiver

- Rugged Construction in an Ultra Compact Body • Stable 100 Watt Output with Efficient Dual Internal Fans • 32-Bit IF DSP Provides Effective and Optimized QRM Rejection • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



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

- 100w HF/6M, 50W 2M, 20W UHF • DSP included • 32 color display • 200 mems • Detachable front panel (YSK-857 required)



FT-2980R | Heavy-Duty 80W 2M FM Transceiver

- Massive heatsink guarantees 80 watts of solid RF power • Loud 3 watts of audio output for noisy environments • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



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

- Power Packed System Fusion Transceiver • High Audio Output Power • Rugged Powerful Transmitter • Integrated 66ch High Sensitivity GPS • 1200/9600 APRS Data Communications



FTM-400XD | 2M/440 Mobile

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



FT-70DR C4FM/FM 144/430MHz Xcvr

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output
- Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging

FT-2DR C4FM/FM 144/430 MHz Xcvr

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



FT-65R | 144/430 MHz Transceiver

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- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

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The radio

We had a Great Time at the Yuma Hamfest. Thanks to everyone that stopped by to see us at the HRO booth. Remember to check our website weekly to see all the deals we have to offer at Ham Radio Outlet Phoenix.

Now serving you at our Phoenix store: Manager Ron AJ7T, Steve W7QY, Mike K7DD, Jim K7EOG, Jim KE7EEU, Richard KIRAB, and Bob W8RH.