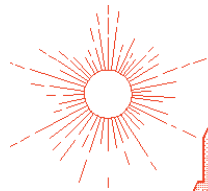


**ADAW**

4529 W. Park Place  
Glendale, AZ 85306-1512



**ADAW**

**Arizona Desert Aire Waves**

**Vol 45, No 8**

**August 2020**

**CLUB MEETING SCHEDULE**

**SARC**

Aug 5th - 7:00 PM  
On Line

**AARC**

Aug 13th - 7:00 PM  
?Red Cross Bldg. - Phx?

**OPRC**

Sep 9th - 1:30 PM  
?Big Heart Coffee - Tucson?

**TBARC**

Aug 20th - 7:00 PM  
Via Zoom - See Website

**CADXA**

Aug 6th - 7:00 PM  
via ZOOM

**ARA**

Aug 27th - 7:30 PM  
Electronically

**MARCA**

Aug 18th - 6:30 PM  
TBD Check Web Site

**MARA**

Aug 1st - 9:00 AM  
On-Line

**ARCCC**

Aug 11th - 9:00 AM  
Via Microsoft Teams

**SuperstitionARC**

Aug 18th - 7:00 PM  
Via Zoom

**ANSR**

Aug 20th - 7:30 PM  
via GoToMeeting

**OVARC**

Aug 21st - 7:00 PM  
Via Zoom

**ATN (VOAR)**

Aug 16th - 6:30 PM  
Dennys or On-line

**AMO**

Aug 13th - 7:00 PM  
Charles K Luster Bldg

**CARL**

Jan 16th, 2021 - 12:00 PM  
Arizona Science Center

**WVARC**

Aug 3rd - 7:00 PM  
Via Zoom

**YARC**

Aug 6th - 7:00 PM  
TBD - Check Website

**KARC**

Aug 11th - 7:00 PM  
On Air 145.310(-) PI 110.9

**CHRC**

Barrow's Pizza - Chandler  
9:00 AM

**QCWA-AZ Chapter**

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

**SunLifeARC**

Every Monday - 10:00 AM  
Via Zoom

**MMRG**

TBD  
See Web Site

# ADAW Member Clubs

## ARIZONA AMATEUR RADIO CLUB

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

President	Gary Hamman	K7GH	602.996.8148
Vice President	Steve Tolnai	W7WSV	480.390.4446
Secretary	Open		
Treasurer	Bob Hodges	K7JJT	602.375.9982
Activities Mgr	Lori Cripps	WA7EDI	602.955.7517
Membership	Bob Hodges	K7JJT	602.375.9982

AARC c/o Bob Hodges, K7JJT, 15214 N 7th Place, Phoenix, AZ 85022. DUES: \$15.00/YR, Prorated (\$18.00 Family, \$9.00 Student), MEMBERSHIP YEAR BEGINS FEB. 1.

## SCOTTSDALE AMATEUR RADIO CLUB, INC.

The Scottsdale Amateur Radio Club meets the **FIRST WEDNESDAY** of each month at 7:00 p.m. in Room 8 at the new Scottsdale Senior Center located at 1700 N Granite Reef Road (west side of Granite Reef Rd., 50 yards north of McDowell Rd. Parking on site) 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	Ray Vasquez	K4RMV	
Secretary	Mike Childers	K7URK	
Treasurer	Douglas Mitchell	W7ADD	
Past President	Paul Finell	W7EFQ	602.741.6563
Board Members	Irv Hembuck	K00TZ	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Jim Dye	AG7AU	
	Paul Finell	W7EFQ	
	Chris Schweiger	NE7EE	
	Bruce Harmsen	KA9EYX	

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

## ARIZONA NEAR SPACE RESEARCH

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

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

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

## THUNDERBIRD AMATEUR RADIO CLUB

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

President	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](mailto:info@w7tbc.org) or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 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	Charlie Zurenko	N2TFS
Vice President	Mark Steele	KI7RB
Secretary	Saroj Gilbert	KM6BQD
Treasurer	Doug Bessemer	K0VPL
Past President	Peter Petrotta	KD7QIW

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](mailto:azqcwa@gmail.com).  
DUES: \$7.00/year and current national QCWA membership.

### MINGUS MOUNTAIN REPEATER GROUP

Meetings are held twice a year, an annual board meeting in Phoenix and a picnic meeting in Chino Valley. Dates, times, and locations are announced in the newsletter.

President	Bob Sitterley	K7POF	928.636.2146
Vice President	Ray Tyrrell	N6MY n6my73@gmail.com	
Treasurer	Bob Sitterley	K7POF	928.636.2146
Secretary	Lori Cripps	WA7EDI	602.955.7517
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	KB7CN	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	

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: [kachinainfo@drwilx.com](mailto:kachinainfo@drwilx.com) Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: [www.kachinaarc.org](http://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](http://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](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://SuperstitionSuperFest.org).  
The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation. For more information, contact: [communications@superstitionarc.org](mailto:communications@superstitionarc.org).



# ADAW Member Clubs

## MARCA, Inc. / W7MOT

MARCA is an Arizona 501(c)(3) Non-Profit organization. The club call sign in W7MOT. Membership is open to all amateur radio enthusiasts. Meetings are held the **THIRD TUESDAY** of each month at 6:30 p.m. at Denny's Restaurant located at 825 S 48th Street in Tempe (SE corner of University & 48th Street). Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early for dinner and socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes, and SBC applications.

President	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](http://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](mailto:cadxa@cox.net). Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: [www.cadx.org](http://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](http://www.w7yrc.org) for directions and map). YARC is an ARRL Special Service Club dedicated to public service and emergency preparedness. The club serves the quad cities area of Prescott, Prescott Valley, Chino Valley/Paulden, and Dewey/Humboldt.

President	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	sandymeadow2@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](http://www.w7yrc.org)

## ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (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](http://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](http://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](mailto: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 promotes video operation on linked repeaters and mesh networks. Our business meetings are in January and July. Monthly social meetings are the **THIRD SUNDAY** of each month at 6:30 PM at Denny's in Tempe or [whereby.com/amateurstvnetwork](http://whereby.com/amateurstvnetwork). Watch our nets on Wednesday and Sunday at 7:00 PM AZ time and Tuesday at 7:30 PM CA time. Video streams are on [www.youtube.com/amateurtelevisionnetwork](http://www.youtube.com/amateurtelevisionnetwork), search for W6ATN Live or W7ATN-Mesa Live. Send your live video to [whereby.com/amateurstvnetwork](http://whereby.com/amateurstvnetwork), W7ATN-Arizona and W7ATN-Mesa. Check in on [whereby.com/amateurstvnetwork](http://whereby.com/amateurstvnetwork), ATV, FM or DMR.

ATV Repeater Inputs: 434 MHz AM/DVB-T and 2441.5 MHz FM  
 ATV Repeater Outputs: Phoenix - 1253.25 and 5910 MHz,  
 Mesa - 421.25 and 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  
 DMR Talk Groups: 940 "ATV Talk" and 31024 "ATN"

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. Affiliates are free. Website: [www.atn-tv.org](http://www.atn-tv.org). Email: [wb9kmo@gmail.com](mailto: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](mailto: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 Sue Rogers, W7SKH at [happyham7777@gmail.com](mailto:happyham7777@gmail.com).

#### Nets:

20 Meter Net: Monday, Wednesday, & Friday, 14329 Mhz SSB 12:30 p.m./11:30 a.m. during daylight savings time.

10 Meter Net: Tuesday & Thursday, 28.329 Mhz, SSB. 7:00 p.m./8:00 a.m. during daylight savings time. Check in using Echolink Node W7ASL-L. Nick, AA7QK provides this service and will assist you.

Venture Out: 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex, 12:30 p.m.

President	Sue Rogers	W7SKH	<a href="mailto:happyham7777@gmail.com">happyham7777@gmail.com</a>
Vice President	Ralph Towers	KA0CET	<a href="mailto:retowers@hotmail.com">retowers@hotmail.com</a>
Secretary	Chuck Rogers	W7CBR	<a href="mailto:rogers_charles@hotmail.com">rogers_charles@hotmail.com</a>
Treasurer	Dwight Carlson	KF7WI	<a href="mailto:dec@kalama.com">dec@kalama.com</a>

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



## 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](http://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	pres@chandlerhams.org
Vice President	Norm Fasoletos	K7NWF	vp@chandlerhams.org
Secretary	Debbi Smith	KJ7MIQ	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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

### AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO), a newly formed 501(c)(3) amateur radio club, meets the **SECOND THURSDAY** of each month at the Charles K Luster building, 640 N Mesa Drive in Mesa. The organization's goals are to support ARDEN MESH networks throughout the state of Arizona, explore new technologies, support emergency and public service communications, and (of course) to have fun along the way. AMO's purpose is to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, and to further the technology of mesh radio itself. Weekly AMO radio nets are held from 7:00 to 9:00 PM on the 1st, 3rd, and 4th Thursday evenings of the month on the Superstition ARC linked repeaters - 147.120 and 449.600 and the KB7KWK-L Echolink node. Visit the web site at <https://arizonamesh.org> for more information on the AMO Club and up-to-date news.

President:	Steve Estes, KB7KWK	president@arizonamesh.org
Vice-President	Gary Hinton, AC7R	vicepresident@arizonamesh.org
Treasurer:	Scott Gillins, W2KP	treasurer@arizonamesh.org
Secretary:	Michael Bailey, KI7LXY	secretary@arizonamesh.org
Board of Directors		
	Dale Schmidt, N7QJK	n7qjk@arizonamesh.org
	Heidi Brewer, K7ZAE	k7zae@arizonamesh.org
	Paul Lowe, N7NLY	n7nly@arizonamesh.org
	Robert Fridell, N3BZ	n3bz@arizonamesh.org
	Rodney Fritz, WB9KMO	wb9kmo@arizonamesh.org

Arizona Mesh Organization Inc, 7939 E Golf Avenue, Mesa, Arizona 85209. DUES: Full Membership \$25.00 per year. Visit the AMO web site for more information on membership. Web Site <https://arizonamesh.org>



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

## ADAW Staff

### PUBLISHER/MANAGING EDITOR

Christine Kesauer N7PVL 602.843.0960

### AARCEDITOR

Lori Cripps WA7EDI 602.955.7517

### AMOEDITOR

Robert Fridel N3BZ 610.577.6907

### ANSREEDITOR

Steve Miller W6SDM 602.290.1603

### ARAEEDITOR

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

### ARCCEDITOR

Charlie Zurenko N2TFS [chazur@icloud.com](mailto:chazur@icloud.com)

### ATNEEDITOR

Ed Olague K5OLA 602.885.7725

### CADXAEDITOR

Lee Finkel KY7M [ars.ky7m@gmail.com](mailto:ars.ky7m@gmail.com)

### CARLEEDITOR

Jean Jolkovski W4CIH 480.664.7353

### CHRCEDITOR

Gary Laatsch KI7PBR [ki7pbr@cox.net](mailto:ki7pbr@cox.net)

### KARCEEDITOR

Tara Haws KI7KLJ [kachinaarc@gmail.com](mailto:kachinaarc@gmail.com)

### MARAEEDITOR

Curt Steger NA7CS [csteger515@gmail.com](mailto: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](mailto:nauset2222@yahoo.com)

George Cooley NG7A [george@ng7a.com](mailto: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](mailto:Ellsworth@us60.us)

### TBARCEEDITOR

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

### WVARCEEDITOR

David Putman W7DCP 253.307.0544

### YARCEEDITOR

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

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

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

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

## From The Editor's Desk

Greetings All.

Hope everyone is staying healthy in this difficult time. It seems like it's been forever since we've been together for hamfests, meetings, and other activities we usually enjoy. But as long as we follow the guidelines for stopping the spread, this too will pass - eventually - and we'll soon be gathering together once again. So keep the faith - we'll make it.

In hopeful anticipation, the fall hamfests are still scheduled beginning in September with the Radio Society of Tucson Spring Hamfest on September 26<sup>th</sup>. RST has not canceled the event as of yet, so stay tuned.

There is another way you can satisfy your thirst for a hamfest/convention. How about a virtual hamfest? QSO Today is holding the "QSO TODAY Virtual Ham Expo 2020" on August 8 & 9. The two-day event will feature exhibitors, vendors, prizes, contests, and 60 speakers (by my count). Even our own Assistant Director, Ned Sterns AA7A, will be taking a turn at the mic. "Attendance" is free and you can even attend in your pajamas if you like. In addition, the Expo will be available to view afterwards until September 8, so you will be able to watch all the speakers if you want. So check out the website at <https://www.qsotodayhamexpo.com/> and give it a try. It might just be an alternative for a few of our hamfests here in Arizona for the time being.

We have a lot of reports on this year's Field Day operations in this issue of ADAW. Changes had to be made to keep everyone safe this year and our clubs certainly came through. From members operating from home to physically distanced camp sites, the clubs managed to have a fun, safe, and successful Field Day. With any luck, Field Day 2021 will be back to normal. But if it isn't, our clubs know that they can still have an enjoyable experience with just a little extra precaution and planning.

The annual Arizona QSO Party is scheduled to take place on October 10, 2020. The operating event runs from 1500z October 10<sup>th</sup> (that's 8:00 AM AZ time) thru 0500z October 11<sup>th</sup> (10:00 PM October 10<sup>th</sup> AZ time). The Amateur Radio Council of Arizona is sponsoring this year's event and encourages everyone to participate. Try it out. It's fun and a great way to get on the air. Let's make this year's QSO Party bigger and better than ever. Visit the QSO Party website at [www.azqsoparty.org](http://www.azqsoparty.org) for all the details.

Until next time - Stay Healthy - Stay Safe - Wear a Mask!

73,  
Chris, N7PVL

ADAW



### FIELD DAY 2020 NEAR FOREST LAKES

Number of Contacts made by the group: Around 250

Number of operators: 6

Besides the amateur radio aspect of the event, we enjoyed the Saturday night cheese and wine event hosted by Frank and his wife Jane as well as Charlie's cheesecake on several occasions.

The weather during the Field Day was pleasantly cool and the area in which our group gathered was perfect. The pines were both picturesque and also served as a place to attach our dipoles. Frank and Steve used a bow and arrow to launch our lines over tree branches.

On Saturday, Frank, KB7IQ, worked 40 meter phone. Then Gary, K7GH, worked 40 CW using Frank's station running on solar power. Steve, W7WSV, worked CW on 20 and 40 meters using the club's FT-450D. The other four operators mainly worked phone. Gary made some contacts on 75 phone Saturday evening and was net control on the Sunday morning RACES 75 meter net.

On Friday and Saturday nights we had a propane-fueled campfire under the stars. We enjoyed plenty of food during the event. This Field Day was one to be remembered!

We were visited by locals that were interested in our FD operation as well as working on how groups could work together on emergency preparedness. Visitors were John, N7MLS, from Forest Lakes, Bob, N7KDN, from Heber, and Dagley, AA7HB, from Overgaard.

### Red Cross Exercise May 30, 2020

We participated in the first-ever Red Cross nationwide radio exercise on May 30. The exercise ran between 7:00 and 11:00 AM. As part of the nationwide exercise, Phoenix served as the hub for chapters across the Southwest and Rocky Mountain Division to forward their digital traffic. We logged the following contacts for the nine activities in the exercise:

442.55 Rptr — 52, 147.28 Rptr — 52, 80-meter voice — 30, 60-meter voice — 11

ADAW





### **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) corporation. W7ASC is open to all visitors to the Arizona Science Center (ASC) 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. Our direct phone number is 602-716-2082. Our website is <https://w7asc.org>

It is more difficult than usual to predict conditions when you are reading this newsletter. It is being drafted in late June and Covid-19 is resurgent across Arizona and the nation. W7ASC is located within the Arizona Science Center (ASC) and will not be able to operate and hold demonstrations for the public until ASC is fully open. At the time that his newsletter is being drafted, ASC had a very limited opening where they provided guided tours. W7ASC was not open in that first phase; volunteers were not being called on to work. Unfortunately, ASC closed again on 30 June after AZ Covid-19 cases started increasing exponentially. It is, therefore, impossible to predict a date when the W7ASC will be transmitting from the Harkins Ham Shack again.

But ham radio is not susceptible to the virus. There will still be Public Service situations that will need ham radio. Although Field Day was pretty feeble this year, there was still some activity. Many people took advantage of the class D to class D allowance for 2020 and got on the bands from home.

Usually Field Day is a very busy and exciting day at W7ASC with extra volunteers on duty operating at extra demonstration positions. Sadly – not this year. We all hope that things will be back to normal when Field Day 2021 rolls around.

This newsletter is being drafted and published during Arizona’s monsoon season (we need more rain!!). Ham radio is often asked upon to provide its service when our area experiences harsh weather like flash floods, high winds, dense blowing dust, or even the legendary haboob. Almost all of our W7ASC volunteers have home stations, operating under their personal call signs. Ham radio is still alive and well.

Among the serious ham radio public services is SKYWARN, often a critical service during the monsoon season. Every ham should consider volunteering for this great program. At a minimum, every ham should be prepared to at

### **CARL Continued from Previous Column**

least listen to SKYWARN when the sky threatens.

One of our W7ASC volunteers, Steve KB7QHP, is very active in the SKYWARN program and has contributed to this month’s newsletter. He can provide further details for anyone who might be interested.

C.A.R.L., like other organizations during this pandemic, is not holding physical meetings & our volunteers are generally not seeing each other in-person. In order to meet our need to maintain a sense of community, our C.A.R.L. Net was started.

It continues to meet every Wednesday and Saturday at 0900 MST on the 440.375 MHz repeater located on South Mountain. Any ham is welcome to join. There are no prerequisites! If you wish to chat with your fellow hams from the Valley or just stay connected – you are sincerely welcome. Net control changes periodically, under the direction of Jack KD7ROB, our C.A.R.L. President. And no mask is required on this net.

We hope to hear you on the air soon. We also hope to be able to safely meet with you before long.

Please stay well, 73 de W4CIH Jean

\*\*\* Contributed by Steve KB7QHP \*\*\*

Public Service continues to be an important part of ham radio, as volunteer storm spotters in the SKYWARN program of the National Weather Service (NWS) observe and report hazardous conditions. Around the country, there are roughly 400,000 trained storm spotters who assist in the vital mission of saving lives and protecting property.

An example is when things got extremely busy on 2 August 2018. All the weather ingredients came together at the same time to produce widespread thunderstorms, damaging winds, dense blowing dust, and flash flooding. Steve Sipple KB7QHP is one of the net controllers for the Arizona SKYWARN Net.

Steve, who lives in the East Valley, was hearing some reports about 5:00 p.m. from distant observers in Pinal and Gila Counties. The storms rapidly developed to the north and west and soon the repeater on South Mountain was busy with spotters reporting their conditions into the local Phoenix SKYWARN net. The warnings issued that evening by the NWS were based on Doppler radar, as well as spotter reports. By around 6:00 p.m., conditions became worse while additional spotters in Maricopa County provided valuable “ground truth” information of the now hazardous weather conditions. Some areas had winds over 60 mph. Flash flooding was also reported.

Marvin Percha KI7BLU is a meteorologist with the NWS in Phoenix who teaches many classes where new spotters receive their official ID. Marvin stresses the importance of storm spotters and their unique role in performing public

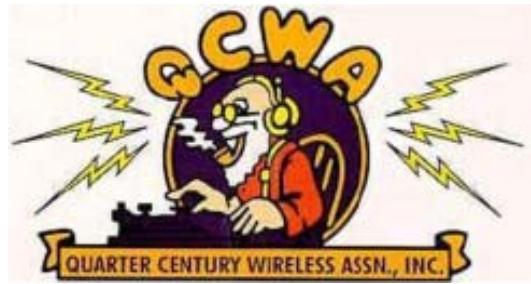
*Continued Next Column*

*Continued on Page 9*



# Public Service Calendar

## Maricopa County Emergency Communications Group Events



### CHAPTER 16 BARRY M. 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](mailto: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](mailto:W7BJw7bj@outlook.com)

Webmaster: John Marshall WA7BSR [WA7BSR@gmail.com](mailto:WA7BSR@gmail.com)

Web Site: <http://azqcwa.org> Email: [azqcwa@gmail.com](mailto:azqcwa@gmail.com).

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

EVENT	LOCATION	DATE
Mogollon Monster 100	Pine	09/12/2020
Barnburner Mountain Bike Race	Kendrick Peak (NW of Flagstaff)	09/19/2020
Arizona Emergency Net - Maricopa Picnic	Payson, Houston Mesa Campground, Fox 2 Group Site	05/15/2021
Auxcomm Interest	TBD	12/31/2021

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

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



World Photo Day  
August 19th

.....

### CARL Continued from Page 8

service and possibly saving lives.

Trained spotters provide critical information that only people can provide: time and extent of storm damage, size of hail, tornado touchdowns, and other visual clues. Spotters are “eyes on the skies” and fill in where there are gaps in the routine observation networks (such as airports).

How does NWS use these spotter reports?

- (1) Confirm or revise existing NWS forecasts.
- (2) Prompt the issuance of new warnings and advisories.
- (3) Alerting the general public of weather hazards.
- (4) Passed along in timely statements to Emergency Management and Media.

- (5) They become part of the US Climate database.

Even with the latest technology, meteorologists at the NWS in Phoenix and at other offices around the country still rely on the observations of alert, trained individuals for vital information.

ADAW





## For Sale / Wanted



**LOOK!  
Great Deals!**

## For Sale

HELLO ALL,

With all the Pandemic issues this continues to be a confusing and crazy month, with more months probably following. There is a high probability the meeting locations will basically be closed through September. With that, SARC will continue its meetings on-line. The meetings have been excellent and well received. We have had an attendance of 20 to 30. To attend the meeting, check our WEB SITE for instructions on how to attend ([www.scottsdalearc.com](http://www.scottsdalearc.com)). One of our members seems to have survived the COVID-19 and is expected to leave the hospital shortly.

With the arrival of Summer heat, we have terminated the HIP (Ham in the Park until next fall. We do have our Club NET Tuesday evening at 7:00 PM on the club repeaters. Our Club breakfast is postponed until the mask requirement is lifted.

On a personal note:

I have been visited by some large birds roosting in my large trees and on one of my towers. They are a large Barn Owl and a male and female Bald Eagle. Some of the results from these visitors are that most of the wild rabbits have disappeared.

73's,  
Paul W7EFQ

**ADAW**

### 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.**



### AMERITRON AMPLIFIER - AL80B

1 KW. 120V. In pristine condition with very few hours. Purchased in Dayton, 2019. I prefer local pick up. \$1000 firm. (\$1100 if I ship it.) Email if interested - [ac7kn@arrl.net](mailto:ac7kn@arrl.net)

**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](mailto: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](mailto: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](mailto:WestDL@aol.com) or 480.641.1480.

**Cleaning out 50 year collection** of ham related parts, connectors, ICs, cables, antennas, poles, and such, all on a "make offer" basis. Contact Bill, W7JSW at [hoskingb@cox.net](mailto:hoskingb@cox.net) to arrange a meeting.

The **West Valley Amateur Radio Club** has radios and ALL kinds of supplies available for sale through the club. We get some old equipment that won't sell that will be added to the items for free. Contact: Ken Jenkins, WB6MMV at [kjenkins5623@gmail.com](mailto:kjenkins5623@gmail.com) or Jim Seay, WB7RBN at [wb7rbn@arrl.com](mailto:wb7rbn@arrl.com).

**ADAW**

## Hamfest Calendar

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>

10 October 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](mailto: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](mailto:wb9kmo@gmail.com).

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

7 November 2020 - **Cochise Hamfest and 7th Region Communications Exercise** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE 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.

7 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](mailto:bridges.slt@gmail.com)) Overnight Camping (Full Hook-Up or Dry) is Available (Pre-Registration is required for camping [northranch@escapees.com](mailto:northranch@escapees.com)) Tailgating permitted at campsite. Free VE Testing via LARC VE testing - Must Pre-register via email to [cecarter39@yahoo.com](mailto: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](http://harkaz.org) for up-to-date information. Questions? Email Duane Grooms, KD0KYK at [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com)

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](mailto:licensing@tucsonhamradio.org)). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Truck for Breakfast and Lunch. Contact [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org) for more information. Visit the website at [www.tucsonhamradio.org](http://www.tucsonhamradio.org).

5 December 2020 - **Superstition Superfest** - hosted by the Supersition 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](mailto:chairman@superstitionsuperfest.org) for more information.

*Girlfriends' Day!*  
August 1st



[www.chipcarlesign.com](http://www.chipcarlesign.com)

**ADAW**





### General meetings - still on Zoom

Our June general meeting was the first on the TBARC Zoom account. There were one or two glitches in the system for the June meeting, but everyone who joined enjoyed Gordon Bousman NW7D's presentation about the ubiquitous solar data and propagation banners compiled by NONBH. They're quite informative, it turns out, and will tell you a lot more than whether the band is open or closed - if you know how to read them.

By the time you read this, July's meeting should be in the books, and perhaps the attendees will have a little bit more knowledge about field programming of handheld VHF/UHF radios. Hope you made it there!

### Could you be the next Membership Coordinator?

Clair Wyant KG7MAJ has been taking care of the membership coordinator role for at least the past four years. Now the time has come to pass that onto someone new. Clair will be there to help transition things, If you're interested in the future of the club and want to start learning more about how things run, get in touch with Clair ([membership@w7tbc.org](mailto:membership@w7tbc.org)) or Charlie ([president@w7tbc.org](mailto:president@w7tbc.org)) for more details.

### What happened with Field Day?

It was an unusual Field Day this year, with most stations choosing to operate separate 1D or 1E stations. This meant everyone had to come up with their own meals, but it did allow technician-class licensees to play along on a slightly more equal footing to the big gun stations. I predict we'll see record numbers of contacts on 2m FM. By now I hope you've submitted your logs under "Thunderbird Amateur Radio Club." We'll all be thumbing through the December QST to see our callsigns in the magazine.

Did you have any interesting Field Day experiences that you'd like to see in ADAW? Send them to [kf7ccc@w7tbc.org](mailto:kf7ccc@w7tbc.org) and you won't have to wait to December to see your name in print!

### VE sessions back on

After much consideration and discussion, our Volunteer Examiner group has come up with a protocol that allows license tests to occur. The Northwest Christian School has provided two rooms at their campus just south of Bell Road on

The Arizona Red Cross Communications Club participated in the Red Cross nationwide radio exercise on May 30 using the Phoenix MMRG repeater. It worked very well. The exercise ran between 7:00 and 11:00 AM. As part of the nationwide exercise, Phoenix served as the hub for chapters across the Southwest and Rocky Mountain Division to forward their digital traffic. During the local part of the exercise the number of contacts logged for the following frequencies were:

442.55 Rptr- 52    147.28 Rptr - 52    75 meter SSB -30    60 meter SSB — 11

The Mingus Mountain Repeater on 147.28 MHz is located in Phoenix atop a 23-story building at Central and Osborne. It provided better coverage than the repeater at the Red Cross Building, so it is considered an excellent source for backup. The Red Cross group appreciated being able to use it in the exercise.

**ADAW**

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### *TBARC Continued from Previous Column*

43rd Avenue, and we're holding sessions with masks required, social distancing rules, and temperature checks. If you've been studying for an upgrade or a new license, we'd be happy to help you get it! Sign ups are strictly limited, so email [ve@w7tbc.org](mailto:ve@w7tbc.org) to get more details and put your name on the list.

### **We'll meet again!**

Our board has been continually reviewing the situation with Northern Arizona University and our membership. Right now, it looks as if September or October might be the earliest we can meet in person under the TBARC banner. But the situation continues to evolve, and we're staying flexible. As always, keep your eye on the website, [w7tbc.org](http://w7tbc.org), to stay informed about the latest!

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

*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.

### August Test Sessions

**Aug 8th** - Chandler VE Team -- 10:30 AM

Tri-city Baptist Church, 2211 W Germann Rd, Bldg D Room 170,  
Chandler

Contact - 602.319.4834

**Aug 18th** - 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

**Aug 8th** - 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

**Aug 19th** - Thunderbird ARC -- 6:00 PM

<https://www.w7tbc.org/ham-radio-license-ve-exams/>

See Website for Location

Contact - Walter Reinert 602.668.7804

**Aug 10th** - East Valley VE Team -- 6:00 PM

City of Mesa Utilities, 640 N Mesa Dr, By Flag Pole, Mesa

Contact - Fred Bollinger 480.242.8606

No Walk-Ins / Call Ahead

**Aug 29th** - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix

Contact - Gary Hamman 602.996.8148

No Walk-Ins / Pre-Register Required by Thursday, 8/27

**Aug 10th** - Radio Society of Tucson -- 7:00 PM

Biscuits Country Cafe, 7026 E Broadway Blvd, Tucson

Contact - Diane Zimmerman 520.664.5070

**Aug 29th** - Unsponsored -- 9:00 AM

The Shack, 11115 W Nevada Ave (11th & Nevada), Youngtown

Bring FRN, pencil & pen, and \$15.00

Contact - David Morrill 623.680.5011

No Walk-Ins / Call Ahead / Limited Seating

**Aug 15th** - Hualapai ARC -- 10:00 AM

Kingman Fire Station, 2470 E Butler Ave, Kingman

Contact - Alyce Ingle 425.231.9123





NO MASKS REQUIRED - With the changes in the ARRL Field Day Rules and no Field Day gatherings, our club members were able to operate Field Day from their own QTH. WOW - Did we have a turnout! The club's message this year was simple: get on the air and work at least 10 contacts during Field Day weekend. Dozens of OVARC members did exactly that. Many participants said that this year's Field Day was the most fun they've had on Field Day. Let's hope that Field Day 2021 will be just as fun, but not because of a health crisis. OVARC's preliminary results are posted on our website at [www.tucsonhamradio.org](http://www.tucsonhamradio.org).

Our gradual transition to Fusion is on track. Our scheduled transition at the Keystone repeater happened on July 1, exactly as planned. Although the location on Keystone Peak is unchanged, we're now referring to this Fusion repeater as the Metro Repeater. So the beginnings of Fusion in Tucson are starting to take shape, but to satisfy our analog users, there are still dozens of repeaters across Southern Arizona to extend your reach. Check out the ARCA repeater listing and see how many you can access from your QTH.

The Sunday evening OVARC net has a new time of 19:30 PM local time. It's a Fusion net, so just pressing the PTT button gets you checked in on the Net Control Station's digital dashboard. Not having to do a roll call saves much of the net time for other interesting items that are noteworthy to amateur radio. Please join us through one of our Fusion repeaters, or with your hotspot.

Our June meeting was a mini-Hamvention. We invited a number of vendors to come and tell us about their latest and greatest amateur radio items. Nearly 60 members and guests attended this virtual meeting.

During our Sunday Evening Net on July 5, Howard - KC7AC held a virtual training meeting so that the audience could hear the net and also see the digital dashboard as check ins occurred. During the hour following the net, Howard provided some excellent training on how to set up your Fusion radio to get on the air.

73, Steve - W1SR

Due to the current situation with COVID-19, the August meeting will be held virtually using ZOOM. Meeting invitations will be sent to members via Groups.io and Slack a few days before the meeting. For anyone else who wants to attend, send an email to [cadxa@cox.net](mailto:cadxa@cox.net). The next meeting will be Thursday night, August 6th, starting at 7:00 p.m. You can begin checking in at 6:30 p.m. and visit informally with other club members on Zoom until the meeting starts. Please turn off your computer camera and microphone when the meeting starts.

The August program will be "A50BOC: Bhutan, The Land of the Thunder Dragon" by Adrian Ciuperca, KO8SCA. Adrian has been licensed since 1990, when he was still in high school, as YO8SCA. After finishing his university studies in computer science, he moved to the United States where he obtained the vanity call KO8SCA. He currently lives in New York City where he works as an IT consultant. Adrian has taken part in DXpeditions to destinations including A5, ZK3, V8, TX0M/TX0A, 6O, 9M0, FJ, FM, J3, J8, VK9C, VK9X, VP5, VP9, and Z2. Recently he has been a guest operator at 4U1UN and HV0A.

At the July meeting, Dave, N4QS presented "Remote Ham Radio from the Bluegrass State." This was an outstanding summary of Dave's journey over the past four years in carefully designing and building a remote station in Kentucky. Dave explained how he designed the station around his DXCC Challenge goal to join the "3,000 Club." His results using the new antenna farm demonstrated the effectiveness of his efforts to date. You can see the video of Dave's program on YouTube at [https://youtu.be/Lxt\\_qtGnNvQ](https://youtu.be/Lxt_qtGnNvQ).

We were deeply saddened to learn that one of our longtime members, Dean Norris, K7NO became a Silent Key in July. Dean was a very active DXer and regular club meeting attendee for many, many years. We will miss him.

In this day and age, clubs may be looking for socially distanced speakers. At CADXA, we have several presentations on the world of DXing, QSLing, and related subjects ready for your club. We know how to present via programs like ZOOM. Contact us through our website <https://www.cadxa.org/contact.html> or email [cadxainfo@gmail.com](mailto:cadxainfo@gmail.com) for details.

See you on ZOOM for the August meeting.

73,  
Larry Loen, WO7R  
CADXA President

ADAW

ADAW





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Echolink Node #731289 – K7ARC-R

With the heat of summer upon us, can the monsoon rains be far behind? This year’s fire season has been extremely active and Red Cross volunteers have been there to ensure that everyone who was impacted by evacuations had a place to stay and the support they needed. Over the last two months, Red Cross volunteers have opened 9 evacuation centers to help Arizonans in need. In Central and Northern Arizona, we have been asked to open several shelters in Coconino, Yavapai, Gila, Pinal, and Maricopa counties. In Southern Arizona, they have not only had to deal with the Bighorn fire, which impacted residents in Pima county, they were also called upon to assist at a multi-family fire that affected more than 30 units in Tucson and also required residents to evacuate.

In the last few weeks, several of our members have been exploring the world of Digital Mobile Radio. Almost half of our hams in Maricopa County have acquired DMR radios and are learning the ins and outs of digital radio. There is a definite learning curve and with practice, patience, and perseverance, we are coming to grips with programming code plugs and using Talk Groups. We have installed a DMR mobile radio in our Command Post to help with routine communications when we are operating with the van.

And speaking of the Command Post, we went north to Forest Lakes with the van to participate in Field Day with members of the Arizona Amateur Radio Club. Several of us spent the weekend camping under the tall pines in Rim country. We had the pleasure of meeting with several local hams who dropped by to say hello and check out the gear we were using to get on the air for Field Day. It was a good mix of operations and fun as we enjoyed cooler temps and the company of good friends on the Rim.

We continue to meet on the second Tuesday of the month and will be using MS Teams for online meetings until further notice. For more information about the Arizona Red Cross Communications Club please visit our website at [www.k7arc.org](http://www.k7arc.org).

Charles Zurenko, N2TFS  
Regional Communications Lead  
Disaster Services Technology  
Arizona - New Mexico Region  
4747 N. 22nd Street  
Phoenix, AZ 85016 (602) 336-6669 (p) - (607) 435-3461 (c)  
[Charles.Zurenko@redcross.org](mailto:Charles.Zurenko@redcross.org)



## HAPPY FIRST BIRTHDAY CHANDLER HAM RADIO CLUB

On July 13th, 2019, a handful of local operators from the Chandler area attended our very first club meeting and we were born. Some of us had been discussing the need for a club in the Chandler area. We knew there were a lot of operators in the area but really had no idea how much interest there would be. We had started meeting for breakfast once a month at a local Denny’s, When the group was consistently 10 to 12 hams we decided to “start a club.”

Utilizing Social media and weekly NETs in the area we announced our plans to start a new club. And so it started. We made an appearance at the Maricopa Hamfest (thank you to the members of MARA that helped us get started) and many people came up to our booth and simply said, “I didn’t know there was a radio club in Chandler.”

On July 16th of 2020 we welcomed our 77th member to our baby eagle club . . . maybe we aren’t such a baby anymore. We currently host a weekly NET on Thursday nights at 8:00 p.m. on the South Mountain 443.050 + PL100 repeater (Thank you MARCA). When not in LOCK-DOWN MODE, we have our monthly club meeting on the 2nd Saturday of every month at 9:00 a.m. at the Tri-City Baptist Church at 2211 W. Germann (room #170 at the back end of parking lot) in Chandler, AZ. We have several members who are part of a VEC team and provide on site testing in the even months right after our club meeting. We also have monthly breakfasts and weekly lunch meet ups. Several of our members meet up in local parks for mini field day type activities. Some members have also hosted build parties on virtual meeting technology.

**THANK YOU ALL AGAIN, BOTH CLUB MEMBERS AND OTHERS WHO HAVE ENCOURAGED AND HELPED US BECOME WHO WE ARE TODAY!**

Please check us out at our website, [chandlerhams.org](http://chandlerhams.org).

73 de KI7PBR, Gary  
President Chandler Ham Radio Club





***KARC Continued from Previous Column***

Ah, White Mountain living, it's quite the thing!

Our ARRL 2020 Summer Field Day up here was indeed a success! The rules were different this year due to COVID-19, but the ARRL in true Ham Radio style adjusted for the circumstance and allowed scores to be added from operators who were not physically present at the W7EH 2A AZ Event Site. It was held at W7RJB Randy Beecroft's "Hangout." Thank you, Beecroft family! It was so appreciated. There were places to camp for those who wanted to or picnic tables for those who wanted to come in and spend part of the day On the Air. Plenty of room for spreading out and finding your own spot for setting up and making contacts.

Here are some of the reports received from the 2020 ARRL Field Day from the Kachina Amateur Radio Club. Randy W7RJB noted that we had several people in and out such as Bill Turley KJ7GYH, William Shipitalo KD7JJY, Ken Josten KG6EIF, Jim Ard AF7JW, and Holly Williams K7HSW were just some of the ones that attended there. There were some that helped with the logging of contacts, an important role in the field operations. Others participated at their homes and other remote locations.

Dennis Wilkes W7DRW operated for 10 hours from his Home Station Class 1D, and had 238 Digital Contacts on 6 different bands 100 watts or less. Preliminary points to add to the Kachina Club Score is 1,002. He also made contact with Mexico and in doing so, he got to check the "DX" box. He tried diligently to get Canada, but not this round. Better luck next time!

Rick Sneddon NE7DX had somewhere around 60-80 contacts - many on CW so we should get some additional points from his efforts. He sure can make those paddles swing! Rick NE7DX and Dennis W7DRW also got all 13 Colonies in the "13 Colonies" Contest for full sweeps!



Jim W7AZY and Marie N7SKS Mortensen made some 16 contacts at their family reunion cabin near Alpine, AZ using SSB on 20 Meters and with great weather, too. They also demonstrated Ham Radio to the family members there. What a great addition to a family reunion!

Above - Jim Mortensen W7AZY making contacts at his Mortensen Family Reunion in Alpine, AZ. Photographer Marie Mortensen N7SKS

Welcome to August everyone, from the Kachina Amateur Radio Club!

The month of July and its celebration of our Country's Independence came in many forms this year. Some familiar holiday traditions were changed, but the heart of it all wasn't. Whether in the form of a parade for those places that chose to hold them, a backyard BBQ, or family gatherings, the mountains offered a great place to take time out and remember with family and friends who we are and what we stand for. Seeing the remembrance of who we are as a Nation in the sparkling eyes of our elders as they recount the history and purpose and responsibility of the United States of America is not lost but found again as the younger generations are taught well how to not forget our past and have the ability to move forward with light and truth. Keeping our Liberties and this mighty Nation free from bondage is a Full Time Job for ALL and benefits ALL. The fireworks still sparkled bright as ever this year in that big beautiful night time sky of ours. In true form of the American Spirit, people found many ways to celebrate this most important occasion despite the many dampers that were triggered.

The Plan for this Great Nation was to never be permanently dampened, but to always Rise through all of the Struggles and Stand Tall for those things of good worth and value, namely: LIBERTY, the FAMILY, and ALL MANKIND! Not benefitting just a few, but ALL. Sounds like the Heart and Soul of HAM RADIO. Ham Radio Operators enjoy good conversation with old friends and are always looking to make a new friend, as well as keeping in touch with family who are also Ham Radio Operators. We are there for the good and benefit of ALL, too.

Ham Radio is a cradle of caring people, like family, that is ready and willing to help in times of crisis, large or small. Ever present and patiently waiting with our equipment tweaked just right, standing by to be of Aid, Service, and Comfort to those who need it most. No one has asked us to do this, but we all have sought out to become licensed Amateur Radio Operators of our own free choice and will. In some cases, lots of encouragement from fellow Ham Radio Operators!

Meanwhile we have seen some warm temperatures up here, yes, even 100 degrees F. with overnight lows in the mid 50's. We've had our share of some sprinkles of rain close by or far off up on the mountain tops. Throw that in with some strong winds or still air, the occasional hail storm, and everything in between, and don't forget those ever-present grasshoppers.

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**KARC Continued from Page 16**

Many brought their spouses out, too. The Club provided dinner of hot dogs and hamburgers and a potluck, a meal that always tastes better in the outdoors. William KD7JJY and Randy W7RJB worked the Airwaves until about 2200 MST and then Bill KJ7GYH and Randy W7RJB picked it up on Sunday morning. Thanks for being troopers and keeping it going. Things were kind of slow to get started, but we had a few operators that made their first HF Contacts, an exciting time for a new Ham! It was a lot of fun, and with persistence we made 90 contacts.

Phone seemed to be the main mode used and the bands weren't very good. There were several contacts that were made that took persistence. There were big Pile Ups, and we worked hard to be noticed in all that mess. Some great training for new Hams, learning how to tune their ears to the frequencies and work their way through identifying call signs and location information!

Congratulations to All on your 2020 ARRL Summer Field Day accomplishments! Very successful and exciting for all operators! A big SHOUT OUT to all those who supported them so they could accomplish their goals, whether you helped to record Contacts made in the Logs, bring them food and water, helping with set up and take down, providing shade, patience in their time spent working the Airwaves, whatever it took to support them in their Ham Radio weekend of making contacts, THANK YOU!

We are still holding our monthly Meetings On the Air - 145.310 minus offset and a PL of 110.9. We meet on the 2nd Thursday of the month at 1900 MST. We invite Members and Visitors alike to tune in and join us. We look forward to the time that we can meet together again in person. Our Meeting On the Air was held Thursday, July 9. After the general business agenda was taken care of, there was a presentation on OFF GRID POWER FOR PORTABLE OPERATION. Topics covered were 1. Equipment, 2. Length of Operation, 3. Battery, 4. Solar, 5. Generator. This information about the presentation can be found on our Kachina Club website at [www.kachinaarc.org](http://www.kachinaarc.org) in the Technical Library. It's always good to cover the basics for those who are trying to make decisions on equipment, and to have seasoned operators chime in with their experience is very helpful. Recommendations and advice about the many choices out there can help it to be a little less overwhelming as the research is done. Thanks for that presentation, it can be a challenge on how to water it down to the basics for people to build upon. Good job!

The next White Mountain V. E. Team -W.M.V.E.T.- Testing Session for us up here will be the first Saturday in August, that's the 1st. If you are interested in joining us for testing for an Amateur Radio License, please see our website for the most updated information at [www.kachinaarc.org](http://www.kachinaarc.org) or contact the W.M.V.E. Team at [VEtesting@cableone.net](mailto:VEtesting@cableone.net) for

*Continued Next Column*

**KARC Continued from Previous Column**

pre-registration and updates. It was previously held at the Taylor Fire Department; however, the testing place will be determined as we get closer to time. Please DO NOT call the Taylor Fire Station for information on testing. They won't be able to help you. We always look forward to those Ham Radio Test Sessions to welcome new Hams or to congratulate those who successfully upgrade. It's quite an accomplishment in either case!

That's about it for us up here. We talk with each other up here and with some of you on the frequencies around the state and Australia as work, family, and time allow. We are a people in motion for sure, helping each other through the day and the week. Up here those who are retired can be as busy as the regular working crowd! Our rush hour traffic can include dodging the elk on the roads as well as the other wildlife. Whatever your life schedule is, you can find a Net or other individual to fit in your time frame to get on the Air and talk about important things unique to the Southwest, such as which is better - "Red chile or green chile or no chile at all because I can't eat it like I used to!" and "When is Taco Tuesday?!" We just have to check our basic radio/antenna connections once in a while to be sure they didn't rattle loose from all that talking and wind blowing!

Each evening we have the Green's Peak Repeater Net at 18:30 hours on 145.310 MHz- PL 110.9. Tune in with us as you watch the evening Arizona sunset, we'd love to have you join in with us! Please check our website at [www.kachinaarc.org](http://www.kachinaarc.org) for any updates for our Club Meetings, Events and Happenings. In the meantime, keep Bending the Airwaves and hang tough!

Take Care and Happy August to All!  
Tara KI7KLJ

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**SHORT SKIP**

WVARC is sorry to announce that Tom Smith has become a Silent Key



Tom Smith WA0OFO - Silent Key  
September 16, 1951 - June 22, 2020

Thomas Curtis Smith of Sun City West, AZ, lost his battle with cancer and passed on Monday, June 22.

Tom was born in Kansas City, Missouri. As a youth, Tom grew up spending summers at his grandparents, Skyline Resort, at the Lake of the Ozarks. He liked to fish, boat, and talk on the ham radio. Tom graduated from Ruskin High School in 1969. He also helped set up the radio club at Ruskin. The school club had field day one year at the Ozarks.

Tom and his dad got their licenses together in the 60's, while attending the PHD club. At that time, he was active in the PHD club and on 6 meters AM. At one time, he served as president of the Kansas City Amateur Radio Club.

After marrying Valerie, they had a home at the lake for 34 years. Tom retired from Sears after 35 years as an outside salesman. He always liked talking with people and never met a stranger.

Later in life, he was president of the Lake of the Ozarks Radio Club. For the last several winters, he was an active member in the West Valley Radio Club in the Sun City West area for 10 years. Tom tried to make a lot of the local hamfests and would often drive up from the Ozarks to meet with friends for a chat or joke.

Tom is survived by his wife Valerie Smith, his brother Tim Smith WA0OFM and his sister Gail Carpenter.

Tom requested to not have a funeral. Tom's ashes will be scattered, per his wishes, at the lake that he loved.

Tom Smith was a Board of Director for the WVARC. When he passed on, Krissy Larson was appointed by the Board of Director to replace Tom.

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*WVARC Continued from Previous Column*

## Summer Field Day 2020

Because of the virus most clubs including the WVARC decided not to have a Summer Field Day, I asked that our members who had a single Field Day to let the club know how they did their field day. We had four replies.

Jay W7CJH

Hello David. I participated in Field Day from an RV Resort in Chetek, Wisconsin. I used a Yaesu FT450D powered by the battery from my trolling motor. For an antenna I attached my ATAS 120A screwdriver to a mag mount and stuck it on top of the sheet metal canopy over the deck next to the camper. A folding table, lawn chair, and fan completed the setup. Of course there was a frig full of adult beverages nearby and the can recycle bin was within arms reach. It was in the high 80s with a dew point near 70, so very humid and uncomfortable. The day was supplemented by a nice evening pontoon ride to take in the sunset. Conditions on the air were not really good. Lots of noise on the bands. My pea shooter radio setup did not compete well in the pileups, but I did manage 45 contacts. That is about half of my normal FD log. I managed to work four bands, 10, 15, 20, and 40 meters. Stations worked ranged from New Hampshire down to Florida and out to LAX. No AZ stations. I am already looking forward to Winter Field Day in Arizona.

73's,

Jay W7CJH



Greg K7YDL

I am a snowbird, currently in Oregon. I decided to enter the Buddipole challenge this year. Our contest club had scrapped the 2A operation, so I needed a challenge. I also wanted to try the 1B-1op Battery QRP classification, so I combined the Buddipole challenge with 5 watts! Operation was on 20M CW and SSB. Plus 40M CW at night. I knew this would be a challenge with so many 1D and 1E 'big gun' stations on this year. I hoped the CW bands might get a reprieve due to the growing popularity of FT8.

On 20M, the buddipole was at 16', using the long whips and TRSB, I tuned the antenna to perfect 1:1 at 14.050. My elevation was 500', just 300' above the valley floor here in Hillsboro, OR. On 40M, a buddistick vertical was chosen, with one trailing buddipole counterpoise wire, terminated 2' above ground.

Rig was my trusty Icom 703, turned down to 4.6 watts.

*Continued Page 19*

**WVARC Continued from Page 18**

Antenna match was perfect on 20M, so no internal tuner was needed. A new BioEnnio battery was on its maiden voyage.

My goal was 100 Q's and 1,000 points for my ARRL entry. It was work, and end of the first day (11 hours of chair time), I was still short of my goal. Sunday morning, I reached the 100 Q's at 10:30 a.m. local time. With 1/2 hour to go, I charged to goal line and managed 106 Q's total. 89 on CW, 17 on SSB. ARRL score 1175. I made it.

Picture attached of my very modest, but rewarding Field Day station. I had a great time and feel the station outperformed my expectations! CN85 Oregon

I hope to return to AZ this fall and resume residence in SCW.

Greg K7YDL



Jim N7YO  
Hi there.

The Great Falls Area Amateur Radio Club (Great Falls Montana) Field Day activities were a little different than usual for us. We tried to achieve some social distancing; however, we weren't all that successful all of the time. We had about 15 club members. The event was held at Jim N7YO and Wanda W7POO's mountain property. Had a wonderful time and even made a lot of contacts both digital and phone. I have attached several photos capturing some of the events.

Thanks  
N7YO Jim Cummins



**RAY W0IVB  
MY SHELTER IN PLACE FIELD DAY**

Jim and I, sounds like a space mission, huh, planned on going to the Grand Canyon (closed) then the Rim country dry and on fire. So, then I decided it might be fun to conduct FD in and air-conditioned shack. I got a beef Brisket to lure my son here and it worked. I used my FT 991 A and wire antenna system; Jim used our homemade Carolina Windom and a six-meter bean. We practice individual distancing he was about ten feet away.

*Continued Next Column*

**WVARC Continued from Previous Column**

We were ready to go about 1600 Z so had to wait two hours.

At 1800Z (11:00AM local) the bands were HOT I made around 10 contacts in as many minutes on 40 meters. WOW I thought this was going to be a record day. Then someone decided I was having too much fun and turned off the switch and the bands were dead. Switched to 20 meters made a few contacts but not many, tried 10, 15, and 75 meters, no luck. So took a nap.

**GENERAL MEETING**

WVARC had its first General Meeting using ZOOM on July 6th, 2020. It was attended by approximately 45 members. It went quite well. We will be having our Aug General meeting on Aug.3rd.using ZOOM.

**HAM OF THE MONTH**

Due to the virus we have gotten out of sync with nominating the monthly ham of the month.

- March was Gloria W7GAP
- April was DavidCee W7DCP
- May is Ryan Shipp K1WAZ

I was selected as Ham of the Month for April. However because we had quit having meetings, there has been no physical passing along of the award. I look at all of our great club members trying to pick a successor. It was difficult. I finally picked Ryan K1WAZ.

Ryan K1WAZ has gone to a lot of club members houses to help with antennas, programming, and radio repairs. He is a great asset to the club.

DavidCee, W7DCP



**ADAW**



Half the summer is behind us, but we remain in the midst of COVID. The interest in Amateur Radio is still going strong. I applaud the clubs which have been able to resume testing in a COVID safe way. This allows individuals to upgrade, or get their first license.

The ARA still has COVID safety in mind for their meetings. The Board, Tech and General meetings are still open to all members and guests, but will be electronic until the State of Arizona and ARA Board feel it is safe to meet. Until further notice, the board meeting will convene an hour earlier, at 18:30, on the first Thursday of each month and the Tech Meeting is not meeting physically. The Tech Meeting will be held electronically through the Technical Communication Reflector. The Tech reflector is open to all members and can be requested through [membership@w7ara.net](mailto:membership@w7ara.net). As the Board meeting is electronic, you can email [president@w7ara.net](mailto:president@w7ara.net) to request the meeting information.

In June, Big Thanks to Rick Aldom, W7STS, for a great walk through the Aerostat operations in Yuma. We will be meeting every month and we added July into the mix. At the present time, we are only able to meet electronically. You will find the electronic meeting information on the website (<https://www.w7ara.org/mtg/Meetings.aspx>).

In June, the Board of Directors of the Arizona Repeater Association (ARA) awarded the Arizona Repeater Association Post 599 Scholarship to Charles A Loftus Jr. (KI7DUV). Charlie is an active member of the ARA and completed his Eagle Project by revamping the drainage around the ARA site on Pinal. Congratulations, Charles, on your accomplishments, both past and future.

This scholarship is awarded to members of Explorer Post 599 by the Arizona Repeater Association, Inc. (ARA), to further advance their education in the fields of Science, Technology, Engineering or Mathematics. The ARA has established this scholarship to be awarded to qualifying members for payment of educational expenses.

The ARA repeaters are open to any licensed Amateur to enjoy and talk to areas around the world. The ARA does ask each user to be courteous of others and to comply with the FCC regulations and the ARA Repeater Conduct and Policies (<https://www.w7ara.org/z/Conduct.aspx>) If you hear a visitor, or a new Ham, on a repeater, extend the red carpet and invite them to join in. The repeaters are for everyone. The

*Continued Next Column*

## Silent Key



It is with great sadness that I have to announce the loss of Phil Hazlett WA7UID on May 14, 2020.

Phil was a charter member of MMRG. He held many positions during the forty some odd years he was involved with MMRG.

Phil was involved with many of the projects on Mingus Mountain as well as the downtown Phoenix location as well. He served as President and Treasurer for many years and since that time he has been a board member. He will be missed by many.

Our thoughts and prayers go out to Phil's Wife Sonja WB6CWW and Family as well. Phil rest in peace.

Bob Sitterley, K7POF - President  
Mingus Mountain Repeater Group

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### *ARA Continued from Previous Column*

repeater information can be found on the ARA Website (<https://www.w7ara.org/z/Repeaters.aspx>)

The ARA needs everyone's help to maintain a clean set of repeaters. For the guidelines about handling interference, please refer to, Dealing with Interference (<https://www.w7ara.org/z/Interference.aspx>). Any interference with the ARA repeaters, or their users, should be reported to the ARA through the On-Line Interference Report (<https://www.w7ara.org/public/InterferForm.aspx>) or Email: [interference@w7ara.net](mailto:interference@w7ara.net). The ARA Interference Committee will conduct an investigation and take the appropriate action.

The ARA repeaters are functioning normal with only some issues to report. If you notice any issues on an ARA repeater, we ask you to report it through email to [techchair@w7ara.net](mailto:techchair@w7ara.net).

The ARA hosts a variety of nets on their repeaters. These can be found on the website and provide discussions and help on a variety of topics. The listings of the nets can be found on our website at <https://www.w7ara.org/z/Nets.aspx>. Please take time to Check it out the nets.

If you would like to use an ARA repeater for a public net or report any issues with any of the current nets, please email the ARA Net team at [nets@w7ara.net](mailto:nets@w7ara.net).

The ARA exists to support the Arizona Amateur Radio Community and we want to hear from the membership. Please email [president@w7ara.net](mailto:president@w7ara.net)

73,  
Brian McCarthy, AK7F  
President

**ADAW**





# Superstition ARC Field Day Photos

Our 2020 SuperARC Field Day was held in a place called "Lost Eden." We had also participants from home, whose logs will be combined with the logs we generated on-site.



Day 1

Andy KD4ABB



Day 5

J.D. KF7VOX



Day 2

Andy KD4ABB



Aerial of KB7KWK Camp Site

Bryan KF7DPC



Day 3

Andy KD4ABB



Aerial of KF7DPC Camp Site

Bryan KF7DPC



Day 4

J.D. KF7VOX



Sunset

Bryan KF7DPC





The Yavapai Amateur Radio Club has taken the recommendations of the Federal and local governments to heart. We therefore, have respectfully cancelled most club meetings 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.

However, here are our plans and hopes, with fingers crossed. We are planning on an August 6th meeting provided we are permitted to do so. We have accomplished some Zoom board meetings and a presentation on our repeater system. We have done a limited "field day" and our annual Granite Mountain Hotshots Memorial on June 30. T-hunts are ongoing each month.

On May 9, we were able to conduct live license testing, and tested eight people. We have had difficulty maintaining a suitable venue and moved our scheduled July test to later in the month. We have 18 people registered for this session. That is all we can accommodate using social distancing. So, we are now taking registrations through our website for September 12. While working under these conditions, we are requiring pre-registration and cannot accept walk-ins.

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](http://www.w7yrc.org).

BE RADIO ACTIVE!



**No Reports Received**

## Old Pueblo Radio Club INTERMOD

### RACES Repeaters

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



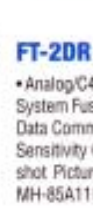
**FTM-400XD | 2M/440 Mobile**

- 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



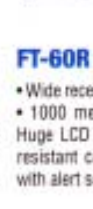
**FT-2DR C4FM/FM 144/430 MHz Xcvr**

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



**FT-65R | 144/430 MHz Transceiver**

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flash-light, Alarm and Quick Home Channel Access



**FT-60R | 2M/440 5W HT**

- Wide receiver coverage • AM air band receive
- 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

**YAESU**  
The radio

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