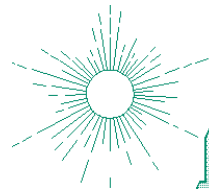


**ADAW**

10498 Monserrate St  
Elk Grove, CA 95757-1765



**ADAW**

**Arizona Desert Aire Waves**

**Vol 47 No 8**

**August 2022**

**CLUB MEETING SCHEDULE**

**SARC**

Aug 3rd - 7:00 PM  
via Zoom

**AARC**

Aug 11th - 7:00 PM  
American Red Cross/Echolink

**YARC**

Aug 4th - 7:00 PM  
Prescott Rodeo Grounds

**TBARC**

Aug 18th - 6:30 PM  
Arizona Christian University

**CADXA**

Aug 4th - 7:00 PM  
Bethany Lutheran Church

**ARA**

Aug 25th - 7:30 PM  
Denny's - Tempe & Zoom

**MARCA**

Aug 16th - 6:30 PM  
Denny's - Tempe & Zoom

**MARA**

Aug 6th - 9:00 AM  
Maricopa Public Library

**AzRCCC**

Aug 9th - 7:00 PM  
American Red Cross/MS Teams

**AMO**

Aug 11th - 7:00 PM  
Charles K Luster Bldg

**SuperstitionARC**

Aug 16th - 7:00 PM  
Charles K Luster Bldg-Mesa

**CHRC**

Aug 13th - 9:00 AM  
Tri-City Baptist Church

**ANSR**

Aug 18th - 7:30 PM  
via GoToMeeting

**KARC**

Aug 9th - 6:30 PM  
New Hope Christian Fellowship

**OVARC**

Aug 19th - 7:00 PM  
Mountain View Baptist Church

**SunLifeARC**

Every Monday - 10:00 AM  
Via Zoom

**ATN (VOAR)**

Postponed  
[www.whereby.com/atn1](http://www.whereby.com/atn1)

**QCWA-AZ Chapter**

TBD  
Various

**CARL**

TBD  
Check Web Site

**MMRG**

See Web Site

**WVARC**

Aug 1st - 7:00 PM  
Shepherd of the Desert Lutheran Church/Zoom

# 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	Randy Gault	KJ7RCN	
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	<a href="mailto:n7ell@scottsdalearc.org">n7ell@scottsdalearc.org</a>
Vice President	David Yee	N7AJR	<a href="mailto:n7ajr@scottsdalearc.org">n7ajr@scottsdalearc.org</a>
Secretary	Bruce Harmsen	KA9EYX	<a href="mailto:ka9eyx@scottsdalearc.org">ka9eyx@scottsdalearc.org</a>
Treasurer	Douglas Mitchell	W7ADD	<a href="mailto:w7add@scottsdalearc.org">w7add@scottsdalearc.org</a>
Past President	Paul Finell	W7EFQ	<a href="mailto:w7efq@scottsdalearc.org">w7efq@scottsdalearc.org</a>
Board Members	Jim Dye	AG7AU	
At-Large	Scott Gillins	W2KP	
	Bill Kouchis	N9EIV	
	Ed Nickerson	WU7S	

*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	<a href="mailto:iangadget1@yahoo.com">iangadget1@yahoo.com</a>
Vice President	Clayton Jacobs	KJ6QJS	
Secretary	Steve Miller	W6SDM	
Treasurer	Bill McLean	K7WWM	<a href="mailto:bmclean@gmail.com">bmclean@gmail.com</a>

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

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

## THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at Arizona Christian University, 59th Avenue and Greenway Road in Glendale. Meeting is in building 3600, Auditorium #1. See the website (<http://w7tbc.org>) for a map and more details.

President	Charles Loftus	KG7KRN	<a href="mailto:president@w7tbc.org">president@w7tbc.org</a>
Vice President	Rick Tejera	K7TEJ	<a href="mailto:vicepresident@w7tbc.org">vicepresident@w7tbc.org</a>
Secretary	Andrew Cornwall	KF7CCC	<a href="mailto:secretary@w7tbc.org">secretary@w7tbc.org</a>
Treasurer	Jeff Rogers	KD7PYE	<a href="mailto:treasurer@w7tbc.org">treasurer@w7tbc.org</a>
Directors	Robert Lutes	N7NO	<a href="mailto:n7no@w7tbc.org">n7no@w7tbc.org</a>
	Paul Veltman	WA6OKQ	<a href="mailto:wa6okq@w7tbc.org">wa6okq@w7tbc.org</a>
	Chuck Erickson	K7CAE	<a href="mailto:k7cae@w7tbc.org">k7cae@w7tbc.org</a>
	Robert Fairfield	K7RQN	<a href="mailto:k7rqn@w7tbc.org">k7rqn@w7tbc.org</a>
Past President	Brian McCarthy	AK7F	<a href="mailto:ak7f@w7tbc.org">ak7f@w7tbc.org</a>
Station Trustee	Gary Duffield	WK7B	<a href="mailto:wk7b@w7tbc.org">wk7b@w7tbc.org</a>

*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.*

## AZ RED CROSS COMMUNICATIONS CLUB

The Arizona Red Cross Communications Club meets the **SECOND TUESDAY** of each month at 7:00 PM 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	KD7OIW	

*Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: [K7ARC.org](http://K7ARC.org) Email: [info@k7arc.org](mailto:info@k7arc.org)*

## MARICOPA AMATEUR RADIO ASSOCIATION

The Maricopa Amateur Radio Association (MARA) meets the **FIRST SATURDAY** of each month at 9:00 a.m. at the Maricopa Public Library - Redwood Room, 18160 N Maya Angelou Drive in Maricopa.

President	Bob Howard	W8RH	<a href="mailto:president@copahams.org">president@copahams.org</a>
Vice President	Scott Bushman	WI7Y	<a href="mailto:vicepresident@copahams.org">vicepresident@copahams.org</a>
Secretary	Bob Proctor	N6YPE	<a href="mailto:secretary@copahams.org">secretary@copahams.org</a>
Treasurer	George Hogan	K7TGH	<a href="mailto:treasurer@copahams.org">treasurer@copahams.org</a>
PIO:	Steve Miller	W6SDM	<a href="mailto:pio@copahams.org">pio@copahams.org</a>
Webmaster:	Louis Sandoval	W8LES	<a href="mailto:w8les@copahams.org">w8les@copahams.org</a>

*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

### BARRY M GOLDWATER, ARIZONA CHAPTER QUARTER CENTURY WIRELESS ASSOCIATION

The Barry M Goldwater Arizona Chapter of the QCWA includes amateurs from all over Arizona who have been licensed for 25 or more years. Meetings are currently held in Phoenix, Prescott, and Tucson. The Arizona Chapter meets on the air every Sunday morning. Please check the website <http://www.azqcwa.org/> for the time and frequency.

President	Tom Fagan	K7DF	president@azqcwa.org
Vice President	Open		
Secretary	Carl Foster	KB7AZ	secretary@azqcwa.org
Treasurer	Carl Foster	KB7AZ	treasurer@azqcwa.org

Web Site: <http://www.azqcwa.org> Email: [info@gmail.com](mailto:info@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	Tom Griswold	WN7E	
Secretary	Lori Cripps	WA7EDI	602.955.7517
Treasurer	Bob Sitterley	K7POF	928.636.2146
Board Members:	Gary Hamman	K7GH	
	Butch Merrill	K7JOG	
	Jerry Roberts	K7BUD	
	Ken Rasback	KK7KEN	
	Tom Raczykowski	N7MMC	
	Sonja Hazlett	WB7CWW	

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 PM at New Hope Christian Fellowship, 989 Cheney Ranch Loop (US260 & Cheney Ranch) in Show Low.

President	Kevin Parmenter	KG5Q	480.748.8182
Vice President	Bill Turley	KJ7GYH	923.536.2293
Secretary	Marie Mortensen	N7SKS	928.358.8748
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) Testing Info: White Mountain V.E. Team: [VEtesting@cablone.net](mailto:VEtesting@cablone.net). 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	Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

#### Board Members:

Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Joe Bakas, KE7WHE	ke7whe@w7ara.net
Patrick Baldwin, KI4NSF	ki4nsf@w7ara.net
James Wasson, N7ELL	n7ell@w7ara.net

For Membership Information, contact (Joe Godfrey, AE7JG [membership@w7ara.net](mailto: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** each month at 7:00 PM: January only - Zoom and St Katherine Greek Orthodox Church, 2716 N Dobson Rd, Chandler. February through November - Zoom and Charles K Luster Building, 640 N Mesa Drive, Mesa. **VISITORS** are Encouraged to attend. If you would like to attend one of our meetings via Zoom, please contact [president@superstitionarc.org](mailto:president@superstitionarc.org) at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	kb7kwk@superstitionarc.org
Vice President	Brian Betz	W7JET	w7jet@superstitionarc.org
Secretary	Scott Simeon	KI7KIM	ki7kim@superstitionarc.org
Treasurer	Bryan Hubbard	KF7DPC	kf7dpc@superstitionarc.org
Directors:	Brent Butler	W7FK	w7fk@superstitionarc.org
	Jeff Harris	K2DFE	k2dfe@superstitionarc.org
	Jeff Heinze	N7CCW	n7ccw@superstitionarc.org
	Dan Devlieger	KC7MSU	kc7msu@superstitionarc.org
	Bob Thomas	N8ANV	n8anv@superstitionarc.org
	Matt Churchill	K7YEG	k7yeg@superstitionarc.org
	Robert Fridell Jr	N3BZ	n3bz@superstitionarc.org

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.  
Web Sites: [SuperstitionARC.org](http://SuperstitionARC.org) and [SuperstitionSuperFest.org](http://SuperstitionSuperFest.org).  
For more information, send email to: [info@superstitionarc.org](mailto:info@superstitionarc.org).  
The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation.



# 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. via Zoom - login info on W7MOT.org. Monthly presentations cover a broad spectrum of interesting subjects. Visitors are welcome to attend. Come early (6:00 p.m.) socializing. Repeater Problem Reports are encouraged. A Repeater Problem or Comment Reporting is available at <http://www.w7mot.org/index.php/repeaters/report-a-repeater-problem>. Site Managers and officers will take reports for any W7MOT repeater. Contacts are found on website. Club activities include providing voice, aprs, packet, DStar, and Fusion repeaters Central Arizona; ARRL Field Day, special interest groups in SDR, APRS, antennas, digital modes, and SBC applications.

President	Norm Johnson	AA7OO	480.278.2886
Vice President	Ray Vasquez	K4RMV	
Treasurer	Norm Johnson	AA7OO	480.278.2886
Secretary	Paul Bennett	KD7KDO	
Board Member	David Yee	N7AJR	
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

We are finally back to in-person meetings! And we have a new location! The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. at Bethany Lutheran Church, 4300 North 82nd Street in Scottsdale. and we'll try to also share the meeting on Zoom. Most months we have a pretty interesting program or presentation. Visitors always welcome. See [www.cadxa.org/meetings.html](http://www.cadxa.org/meetings.html) for mor information. Contact club president for zoom link.

President	Bill Poole	AA4Q	aa4q@arrl.net
Vice President	Virgil Silhanek	K7VZ	k7vz@arrl.net
Secretary	Eric Schecter	KC7ES	eschecter@gmail.com
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Immed. Past Pres.	Larry Loen	WO7R	lwloen@gmail.com
Directors	Ron Smith	N7RD	
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [aa4q@arrl.net](mailto:aa4q@arrl.net). Dues are \$25 per year (\$12.50 per additional family member). For more information, DXing resources, and a membership application, visit our website: [www.cadxa.org](http://www.cadxa.org).

## YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM (currently our meetings are on ZOOM due to COVID) 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	John Snedden	KT7P	president@w7yrc.org
Vice-President	Mike Reid	WU7V	vice_president@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Treasurer	Jane Lerette	K7ZHF	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Ron Levine		
	Jane Lerette	K7ZHF	
	Ray Kolman	KI7COM	spudsmn@gmail.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	Bill Noe	WG7U	

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 The Mountain View Church, 3500 W Overton Road in Oro Valley. (Monthly meetings are live-streamed.) Visitors are welcome. Board Meetings are held at 7:00 p.m. via ZOOM. Check the web site at [www.tucsonhamradio.org](http://www.tucsonhamradio.org) for dates.

President	Steve Wood	W1SR	w1sr@arrl.net
Vice-President	David Beauchesne	AK2L	ak2l@arrl.net
Secretary	Logan Zintsmaster	KE7AZ	lrahnz@garlic.com
Treasurer	Gary Pierce	AE7GP	ae7gp1@gmail.com
Board Members	Fred Bresani	W2HZ	w2hz@verizon.net

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/>.

## CHANDLER HAM RADIO CLUB

The Chandler HAM Radio Club (call sign N7CHN) meets the **SECOND SATURDAY** of each month at 9:00 AM at the Tri-City Baptist Church, Room 140, on the SW corner of Germann & Dobson Roads in Chandler. Our monthly club meetings are held in person. 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	Dave Hoffman	KJ4RS	pres@chandlerhams.org
Vice President	Debby Smith	KJ7MIQ	vp@chandlerhams.org
Secretary	Mary Stephen	AE6Q	sec@chandlerhams.org
Treasurer	Byon Garrabrant	N6BG	treas@chandlerhams.org

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





# 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
Board Members:			
	Steve Warford, WB4ZSC	ADAW	
	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) promotes video operation on linked repeaters and mesh networks. Business meetings are in January and July. Monthly social meetings are postponed due to the pandemic. Join us online at [www.whereby.com/atn1](http://www.whereby.com/atn1) on Sundays at 7:00 PM AZ time and Tuesdays at 8:30 PM AZ time for our ATV Nets. It's a lot of fun!

If you can, check in with RF on 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: 9410 "ATV Talk" and 31024 "ATN"

We also stream 24x7 on [www.youtube.com/amateurtelevisionnetwork](http://www.youtube.com/amateurtelevisionnetwork) and on YouTube at W7ATN-Arizona Live and W7ATN-Mesa Live.

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. Full membership dues are \$75 annually. Affiliate membership is 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. VE Testing with prior registration before each general meeting at 6:00 PM. The board usually meets on the third week of the month on Zoom. A weekly breakfast is held on Thursdays at Lou's Tivoli Gardens, 12535 W Bell Rd at 7:00 AM. Daily call-in nets are held on 147.300 (tone 162.2) at 9:00 AM and at 8:00 PM. Check our website (<https://westvalleyarc.com>) for other events and information.

President	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Bob Runke	AB7RR
Board Member:	Chris Van Camp	KJ7NOP
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C

Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales	Ken Jenkins	WB6MMV
	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 is a Snowbird Club and meets **EVERY MONDAY** at 10:00 AM from October through the end of April both in person and on Zoom at Greenfield Village, 111 S Greenfield Road in Mesa. 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.
- Venture Out: 2 Meter Net: Monday, Wednesday, & Friday, 1:00 p.m., 146.58 MHz FM simplex, 12:30 p.m.

President	Ralph Towers, KA0CET	<a href="mailto:retowers@hotmail.com">retowers@hotmail.com</a>
Vice President	Jim Hood, K5TT	
Secretary	Greg Watkins, WB7VOK	
Treasurer	Cheri Goforth, KD7ZXD	<a href="mailto:treasurer.sunlifearc@gmail.com">treasurer.sunlifearc@gmail.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

### AMO - ARIZONA MESH ORGANIZATION

The Arizona Mesh Organization (AMO) is a 501(c)(3) amateur radio club. Our goals and purpose is to promote and support ARDEN MESH Networks throughout the state of Arizona, to explore new technologies, to promote the education of what amateur radio mesh is, to support and exchange information with mesh users throughout the state, to further the technology of mesh radio itself, to support emergency and public service communications, and (of course) to have fun along the way. AMO's board meets the **FIRST THURSDAY** and club meetings are held the **SECOND THURSDAY** of each month via Zoom. If you would like to attend either of these, contact the President, Michael, KI7LXY at [president@arizonamesh.org](mailto:president@arizonamesh.org) at least 24 hours in advance. Visit the web site at <https://arizonamesh.org> for more information on the AMO Club and up-to-date news.

President: Michael Bailey, KI7LXY [president@arizonamesh.org](mailto:president@arizonamesh.org)  
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 Rodney Fritz, WB9KMO [wb9kmo@arizonamesh.org](mailto:wb9kmo@arizonamesh.org)

*Mail Address: 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. If you would like to join, visit our web site and click on the HamClubOnline Banner: [https://arizonamesh.org/amo\\_membership.shtml](https://arizonamesh.org/amo_membership.shtml)*

### ARIZONA OUTLAWS CONTEST CLUB

The Arizona Outlaws Contest Club ("AOCC") does not hold routine meetings. At least once per year, we hold the AOCC Roundup, a catered event that rotates each year between Phoenix, Tucson, and Prescott. All members have access to an email reflector. Members post comments, questions, and their contest scores. All licensed amateur radio operators interested in amateur radio contesting (also known internationally as "radiosport") are eligible for membership. For more information, see our website, [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).

President: Mike Fulcher, KC7V [mikekc7v@gmail.com](mailto:mikekc7v@gmail.com)  
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 V.P Central Area: Chuck Zanella, KF7U [Chuck\\_KF7U@outlook.com](mailto:Chuck_KF7U@outlook.com)  
 V.P. South Area: Owen Watson, AK7W [ak7w.owen@gmail.com](mailto:ak7w.owen@gmail.com)  
 Secretary/Treasurer: Larry Reader, KE2VB [larry.ke2vb@gmail.com](mailto:larry.ke2vb@gmail.com)

*Arizona Outlaws Contest Club, 1099 N Olympic Pl, Tucson, AZ 85737. Dues are \$10 per year. For more information, contesting resources, and a membership application, visit our website: [www.arizonaoutlaws.net](http://www.arizonaoutlaws.net).*



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## From the Editor's Desk

The Amateur Radio Council of Arizona - ARCA - held its annual meeting on July 23, 2022 at Arizona Christian University in Glendale and virtually. A few technical glitches with the University's set up made it difficult for those on-line to hear the proceedings. A work around was found, and though not perfect, virtual attendees could hear a little better.

Business conducted at the meeting included Awards and Scholarship presentations and the election of the 2022-2023 Officers.

Robert Wertz, NF7E from the Northern Arizona DX Association was named the 2022 ARCA Ham of the Year. Bob has been a positive influence on Amateur Radio since 1976. He has published articles, garnered operating awards, and is a founding member and past President of the Northern Arizona DX Association. He has served as an Elmer, a Volunteer Examiner, made presentations at schools, participated more than 30 Field Day events, and many more aspects and activities in the state. Bob sets a high example for the rest of us. Congratulations, Bob! Thank you for all your contributions to Amateur Radio in Arizona.

A very deserving young lady, Ashtyn Timberlake, KI7HHU, was awarded the 2022 ARCA Young Ham of the Year. Ashtyn is a member of the Yavapai Amateur Radio Club and participates in their Youth Amateur Radio Club. She has taught electronics and robotics at Radio Club activities and serves as a mentor to new young hams. Ashtyn has received multiple awards and recognitions from the local sheriff's department and Radio Clubs. She has the potential to make a very positive impact on Amateur Radio and the world around her. Congratulations, Ashtyn.

Every year, the Council awards scholarships to Amateur Radio operators to help them pursue their education. The number of scholarships and the amounts vary depending upon the funds available and the number of applicants. Four scholarships were awarded this year.

Ray Vasquez, K4RMV and Michael Childers, K7URK were presented with checks to cover the cost of a class they are taking at Mesa Community College. The class will help them to teach classes in electronics to new and potential hams.

A \$5,000 Scholarship was awarded to Hilliard (Hilly) Paige, W7HIL who will be completing his Bachelor's Degree in Systems Engineering with a minor in Aerospace Engineering at the University of Arizona in 2023. Hilly is the current vice-president of the K7UAZ (UofA) Amateur Radio Club. He has been instrumental in upgrading the club station and teaching members about satellite communications. Hilly also volunteers with AMSAT, and community events.

The second \$5,000 Scholarship was awarded to Stephanie Whipple, KI7NNC. Stephanie is a member of the Cochise Amateur Radio Club and has been active as an occasional net

*Continued Next Column*

## For Sale / Wanted



**LOOK!**  
**Great Deals!**

### For Sale

**For Sale - "The Dominator"** 6 meter, 5/8 wave vertical antenna. Made like a tank in Italy by SIRIO. Is in perfect condition in Tucson. \$100.00

Contact Richard Bruns, K7VQ at [d\\_brunz27@yahoo.com](mailto:d_brunz27@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.

**70CM Yagi** - 70 CM Yagi, KLM model 440-16X. Gain 14.0 dBd, Broadbanded 420-450 MHz. Boom length - 10 ft, 3 in. \$50 including manual. Contact Erik Basilier K7TV at [ebasilier@cox.net](mailto:ebasilier@cox.net)

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).

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#### *Editor Continued from Previous Column*

control officer and teaching technician classes. She is currently attending Pima Community College. She plans to transfer to the University of Arizona to pursue a Bachelor's Degree in Business Administration. Her long term goal is to join the United State Air Force.

The proposed slate of officers for 2022-2023 was presented and approved by the membership. Charlie Zurenko, N2TFS will serve as Chairperson and Ray Vasquez, NL7FQ will assume the 1<sup>st</sup> Vice-Chairperson position. New to the council board is Tom Cloonan, NL7FQ who will hold the 2<sup>nd</sup> Vice-Chairperson slot. Lee Ilse, K7OED will step into the Secretary position. Steve Miller, W6SDM will continue as Past-Chairperson since Lee will be an officer on the new board.

Stay cool! "See" ya next month.

73,

Chris, N7PVL

**ADAW**





### **AMATEUR RADIO SERVICE DEMONSTRATION STATION**

W7ASC is a Demonstration Station for the Amateur Radio 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 who visit Arizona Science Center (ASC) during those hours when ASC 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.

ASC is open daily, 10:30 a.m. – 4:00 p.m., and the ham shack hours are essentially the same, dependent on availability of staff. Our Twitter feed and Face Book page can be accessed at [twitter.com/w7asc\\_arc](https://twitter.com/w7asc_arc) and [facebook.com/W7ASC](https://facebook.com/W7ASC), respectively. We hope to have our web page back up shortly. All licensed amateur radio operators are invited to join us Wednesday and Saturday mornings at 0900 MST for the CARL Net on 440.375 MHz, offset +5.0, tone 100. The repeater is located on South Mountain.

We still need more volunteers to keep the shack open and fully staffed at Arizona Science Center. Call the number above to set up a visit to check us out, or visit us on QRZ.com to start the process of becoming a volunteer at ASC.

### **Proof of the Pudding**

Last month, I reported on the improvements being made to W7ASC’s Science Center station for satellite communications. Rusty, WA8ZID, recently tweeted that he had the opportunity to use the new equipment for five QSOs via AO-91. Modestly, he said he was a little rusty (no pun intended) but he didn’t get the nickname Wizard of ZID for being rusty. I suspect he, and others, will add many satellite contacts to the log. And satellite contacts are way more cool than terrestrial contacts in the eyes of our young visitors at ASC.

### **Not to be Outdone**

In the same tweet, Rusty announced that W7ASC is getting additional grants to upgrade our antenna farm and HF radios. Much of this is the result of new blood and renewed post-COVID lockdown enthusiasm among our great volunteer operators, as well as our long-term partnership with AZ Science Center.

### **Perception, Perception, and Perception**

I’ve said it before, but it bears repeating. A good location is

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

nice; the latest gear is great; and public awareness is essential. But, the bottom line is perception, perception, and perception. And, without knowledgeable, dedicated, and friendly volunteer operators, Harkins Ham Shack would be just a flashy static display of equipment and graphics.

Sitting at one of the operating consoles in the shack one day, I was approached by an adult field trip chaperone who said, “You know, some of the kids think this is the security office.” She probably noticed my surprised look, but we discussed that a bit and I understood what she was saying.

In our iconic “purple shirts and dark trousers,” we do look a bit official, and sitting at our consoles, we do look preoccupied. From that point forward, I began to stress the need to create a perception of invitation and welcomeness to every visitor. All it took for that was to step outside the confines of our shack a bit and make eye contact with visitors as they enter the suite and looked around at the myriad of displays. Build bridges, not barriers.

It’s true that you only get one chance to make a good first impression and that is a fleeting moment in the mind of a band of grade school kids seeking the best return for their time at ASC.

### **A Word from our Sponsor**

Harkins Ham Shack at Arizona Science Center is always in need of additional knowledgeable, dedicated, and friendly volunteer operators. But, “I’m already a member of the XYZ Amateur Radio Club,” you say. Great, but we aren’t asking you to switch allegiance, just spread yourself out a bit and become one of your club’s ambassadors to Arizona’s youth by volunteering regularly at Harkins Ham Shack. Contact us at the number above or just drop in to say “hi” and see what we do.

73 de WB4ZSC Steve  
[vyix99@yahoo.com](mailto:vyix99@yahoo.com)  
480.570.1041

**ADAW**



**National Radio Day  
August 20th**

*Continued Next Column*





### Field Day Results

It's not final yet, but we've got preliminary results from Field Day. Scores usually go down because sometimes stations don't copy calls 100% correctly, but if everything is perfect we'll have around 1800 points. We operated using class 3D from Jack's cabin, and got bonus points from visits by an elected official and by a served agency. Most of our QSOs were digital, followed by CW, and only a handful of voice QSOs from our Field Day station itself.

Adding to that are the QSOs from stations who listed "Thunderbird Amateur Radio Club" as their affiliated club. Two 1E stations, one 1D station and a 1B1B station will add even more to our totals. Thanks to everyone who joined in the fun!

### Hamfest Prize Correction

I have to make a correction - and this one's all my fault. Last month I told everyone last month that the big hamfest prize is an FT-101DX. I was wrong. It's an FT-DX10. Oops!

No matter what, you won't win the Yaesu FT-DX10... or the Yaesu FT-5DR, the Anytone 878UVII+, the PowerWerx DB-750X with programming kit, or the ClearNode Pi 4B hotspot... if you don't have a ticket. Get more details at the club meeting - or any TBARC member with tickets to sell!

### Hamfest is Official

We've had confirmation from our hosts - the day is set! Mark January 14, 2023 on your calendar - the second Saturday in January. It'll be at Haven Church, 5902 W. Cactus Rd., Glendale, AZ 85301. That's the northwest corner of West Cactus Rd and North 59th Avenue. Check out [tbirdfest.org](http://tbirdfest.org) for more details as they become available!

### Thanks to Bob Heil K9EID

Bob was the presenter at our July meeting, explaining why you'd want to improve your audio and how to do it. (If you see this before July 21, be sure to join us for our general meeting!) Thanks also to Israel K7HI for the tremendous job he's been doing finding speakers for the club.

We have an education coordinator

Speaking of Israel, he's been busy! At the June meeting, he volunteered to act as education coordinator. Keep an eye out

## Public Service Calendar

### Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
AEN-MAR Barnburner Simulation		07/26/2022
	AEN-MAR Net - Metrolink Repeaters	
Barnburner Mountain Bike Race		09/17/2022
	Kendrick Peak, NW of Flagstaff	
AuxComm Interest	TBD	12/31/2022

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

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

### TBARC Continued from Previous Column

for upcoming education opportunities. And if you're an instructor, be sure to let Israel know when you're available - I know he'll be asking!

### Sedona POTA Event July 23

If you're escaping the heat on Saturday, July 23 (and you're reading this before then!) head up to Posse Grounds Park, 525 Posse Ground Road, Sedona AZ 86336. In addition to being Sedona's first park, it's also located right in the middle of the Coconino National Forest, making it an ideal location for a Parks on The Air event. It's K-4428 in US-AZ on the POTA website. Look for the antennas sometime after 10:00 a.m. and join in the fun!

### August Meeting

We'd love to see you at our next meeting! As usual, it's on the third Thursday of the month. The meeting will be hybrid: in person at Arizona Christian University or online with Zoom. This month Scotty Cowling WA2DFI, president of TAPR will present a "Follow up on Tangerine SDR Project." I know several of us have been eagerly awaiting hardware that we can order - learn the very latest from one of the engineers behind the Tangerine software defined radio project. The conference URL and details are on the TBARC website, [w7tbc.org](http://w7tbc.org). Join us and find out more - in person at 59th Avenue and Greenway Rd or at the Zoom virtual meeting - it's your choice! Either way, we'll see you at the meeting!

Andrew Cornwall KF7CCC

[kf7ccc@arrl.net](mailto:kf7ccc@arrl.net)

Continued Next Column





## *CHRC Continued from Previous Column*

Shirley, Lin, Lily, Miranda, and Sophia. I also had the pleasure of meeting Paul KD7KDO, Clark KI7TU, Tony WB7PZH, Mark KC7MP, Norm AA7OO and his lovely wife, another Tony whose call sign I wrote down incorrectly, and TD aka "Touchdown," whom I also missed his call sign, and other nice folks.

I think I brought more rain, also. So we departed and called it a night.

Saturday we went to the Gentry Lookout. It had rained last night again and it was a damp and chilly day. It was determined that I would operate the GOTA station on 10 meters. Folks were kind enough to scrounge up a couple chairs, a table, a cover to protect the rig from rain, and Tony lent me his 10M antenna.

Now you must understand that 10 meters is why I got my General when solar activity was less conducive to HF propagation. Indices were SFI = 115, K = 3, A + 8 per DXHeat. In the span of around 2-3 hours, I had heard three stations on 10M and worked almost one. Everyone was in Zeroland: W0BU, K0ETR, and W0FX. I heard them, but they didn't hear me. More wind and rain made for calling it quits. Other folks were set up more sensibly than myself operating on other bands and modes, but propagation conditions also seemed to be favoring us about the same as the weather.

Sunday was still damp and chilly. This time I just headed to Gentry Lookout by myself, driving through another band of rain in the process. Folks were breaking camp. I had heard that another member of N7CHN had arrived, but I did not see anyone from the Chandler club myself.

I assisted in helping move some equipment and being a ground guide to help drivers negotiate large vehicles in small turning radii. Then we made like a caravan driving off.

Suzi and I still had some time to be up there while most everyone else went home, but Sunday still did not favor portable ops outdoors. We had more rain that evening. By Monday morning, things were still unfavorable, but I took a chance in the afternoon when the weather gave us a break. I set up Monday afternoon and finally worked some stations. Lots of POTA and SOTA action, which I enjoy. My best was working John LY5A in Lithuania. With that, I called the excursion a success, as we had to depart the next morning.

Thanks to the thoughtful invitation from W7MOT to N7CHN, at least a couple members were able to experience Field Day for the first time. It is not like the Be-HIP events that N7CHN and CARS (Chandler Amateur Radio Society) do, and there are lessons to be drawn. Number one is study and prepare for the weather. I thought I had, but I had forgotten how much I had forgotten when it came to camping and nearby resources. Other lessons, like having spare parts and tools, are

Members of the Motorola Amateur Radio Club W7MOT were kind enough to notify members of the Chandler Ham Radio Club N7CHN that they intended to conduct their ARRL 2022 Summer Field Day at Gentry Lookout near Forest Lakes. This sounded like a fine opportunity to get out of the heat of the Phoenix metropolitan area for a few days and take the XYL Suzi and the dogs for a little time in Nature while also doing something fun and educational, namely portable radio ops on HF.

Forest Lakes is situated about 7700 feet elevation in Rim Country between Payson and Heber. The Gentry Lookout tower was about 6-7 miles from where we opted to stay, and that tower was where W7MOT had decided to set up their operation. A good choice at 7724 feet to get a signal out, and a lovely view of the surrounding countryside. Lots of trees to string up an antenna, with associated shade to help keep cool from the powerful Arizona sun. Shade turned out not to be an issue on this excursion.

We arrived late Thursday afternoon in Forest Lakes, unloaded, and set off to grab something to eat. They had just opened the 260 Roadhouse, so we went there. Now the drive up had been pleasant all the way, but when we arrived at the restaurant, we proceeded to get drenched in a monsoon cloudburst. The area had been under Stage 2 fire restrictions, and the Apaches had increased their own restrictions to stage 3. This was the first of what transpired to be wave after wave, or band after band, of monsoon storms. During the course of that first evening, I counted at least two more storms, one in the early evening and another about midnight.

We woke up Friday morning to a pleasant morning. It would be a while before the bulk of hams would arrive, so I decided to set up my station. I operate an Icom 706MKiig using Bioenno LiFePo batteries at 12aH and 15 aH capacity to my sturdy Tonypole antenna produced by Tony K7AJF. Flipped the switch and the only thing I heard was thunder. Here came another storm rolling our way, so disconnected antenna and shut down and brought in most of the gear.

A little later we went for a walk in the forest, taking the dogs. About midafternoon, we went to the Gentry Lookout and observed member of W7MOT arriving and setting up. A few guys were working on what I can only describe as a modified fan dipole antenna they shot about 75 feet up in the pine trees. One member, Erik K7TV arrived with his family including

*Continued Next Column*

*Continued on Page 11*



I hope everyone enjoyed some operating time during Field Day. Sometimes it takes a major operating event like Field Day to expose the shortcomings in your shack. That happened to me, so I am thankful for Field Day and my aspirations to get on the air. Had it not been for this event, I would have never known about some underlying problems that I needed to fix.

In June, we ran our check-in raffle on the Sunday Evening OVARC net. Thanks to Andreas – K1IXQ for coming up with the idea and thanks to Brian – W4ES for administration of the net and running the weekly raffle. We had a good turnout throughout the month. I would like to congratulate all of the winners: June 5 – Dave-N7AKC, June 12 – Paul KI7HLO, June 19 – Gene – KK7FTF and June 26 – Paul KI7HLO. We'll likely run the raffle on random Sunday evenings, so if you need some new gear, check into the Sunday Evening OVARC net. All are welcome.

Special thanks to Mike, K7VTT for looking after the OVARC website. It's always looking good thanks to Mike.

Midway through the year, we start thinking about our annual Hamfest. Everything is on target for the big event. The date is Saturday, November 12, 2022. If you remember the table of goodies we had available at the 2021 Hamfest, you'll be pleased to know that we'll have a repeat this year. We've collected a huge number of items that we'll be selling. Of course, if you have an amateur radio related donation, we would be happy to accept it and include it on our sales table. If you need a permission slip to come down and join the fun on November 12, let me know.

Summer is the best time of the year to consider upgrading your license. While it's hot outside, it's easy to stay indoors and study the license manual. Think about the extra privileges you'll get during the next big contest.

Happy July! Stay Cool and Circle your calendar for the November 12 Hamfest.

73, Steve – W1SR



This month, we advanced on many of our goals of education and training, promoting amateur radio in the community, and assisting residents obtaining their licenses or upgrading their licenses. Our team has provided classes and VE test sessions in both Navajo and Apache counties covering the White Mountains. Our other goals are public service, and to this end, we continued to build the linked repeater system with work progressing at our Chevelon Butte site – with antennas, repeater controller, and link radio installation. Antennas for our Holbrook site have been obtained, and other sites are in process. Other site acquisition plans are being pursued. The club continues to advance communications capabilities and adopting new technologies at our sites. The goal of this project is to link our sites together to cover Navajo county and overlapping counties with new emergency communications capabilities. Future near term plans include field day, linking Torreon water tank site in Show Low, and working with other area clubs and repeater owners if they want to link into our new system. Fire season is upon us, and making sure your members can provide emergency communications support is top of mind for our team.

We had about 35 show up for Field Day. Our youngest ham was 13 and our oldest was 82. It was a great day for all. The rain showed up about 3:00 PM, so our day was short. Thanks to Rick Gurk – W8YBM for setting us up at Fools Hollow Lake.

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### ***CHRC Continued from Page 10***

important. I guess plan on camping first, and radio second. In any event, it was a good experience, and I am grateful for the collaboration between the clubs that enabled us to participate in our first Field Day.

73 de K7DIP - Bert





## 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). An FCC-issued FRN number is required. If you do not have an FCC-issued FRN number, visit <https://apps.fcc.gov/coresWeb/publicHome.do> to obtain one. 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 an exam 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 whether test session will be held.**

### August Test Sessions

**Aug 1st** - WVARC -- 6:00 PM

Shepherd of the Desert Lutheran Church-Walton Hall  
11025 N 111th Ave, Sun City  
Contact - David Morrill 623.680.5011  
No Walk-Ins / Register or Call Ahead

**Aug 13th** - Yuma ARC -- 9:00 AM

Yuma County Sheriff's Office, 141 S 3rd Ave, Training Rm 2, Yuma  
Contact - John Ham 970.927.3273  
No Walk-Ins/Register or Call Ahead  
Appointment Only - Pre-register by Wednesday

**Aug 6th** - CHRC Laurel VEC Team -- 10:00 AM

Tri-City Baptist Church, 2211 Germann Rd, Chandler  
Bldg D, Room 170  
Contact: [ve@chandlerhams.org](mailto:ve@chandlerhams.org)  
Walk-Ins Allowed / Registration or Call Ahead  
Register at: [chandlerhams.org/testing/](http://chandlerhams.org/testing/)

**Aug 16th** - Hassayampa AR Klub -- 2:00 PM

Escapes North Ranch, 30645 S Wandering Way, Congress  
Contact - Charles Carter 316.651.7710  
Call for test and location Info

**Aug 6th** - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix  
Contact - Gary Hamman 602.996.8148  
No Walk-Ins / Register or Call Ahead  
Pre-Register Required by the Thursday before

**Aug 17th** - Thunderbird ARC -- 6:00 PM

Northwest Christian School, 16401 N 43rd Ave, Phoenix  
Enter Gate 9, Room 423  
Contact - Walter Reinert 602.668.7804  
No Walk-Ins / Register or Call Ahead

**Aug 6th** - Yavapai ARC -- 9:00 AM

Jeep Posse Bldg in Pioneer Park, 1200 Commerce Dr, Prescott  
Contact - Donald Bauer 928.775.4690  
Pre-Reg online at [www.w7yrc.org](http://www.w7yrc.org) (Click on License Tests)

**Aug 19th** - Oro Valley ARC -- 5:30 PM

Mountain View Baptist Church, 3500 W Overton Rd, Tucson  
Contact - David Beauchesne 831.345.3308

**Aug 6th** - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor  
Contact - Vincent Cattolica 520-591-4576

**Aug 20th** - Hualapai ARC -- 10:00 AM

VE's Residence, 3571 E Lum Ave, Kingman  
Contact - Alyce Ingle 425.231.9173

**Aug 8th** - East Valley VE Group -- 6:00 PM

Charles K Luster Bldg, 640 Mesa Dr, Mesa  
Contact - Ray Vasquez 602.363.4207  
MUST obtain FRN prior to exam

**Aug 20th** - West Valley Electronic Club -- 9:00 AM

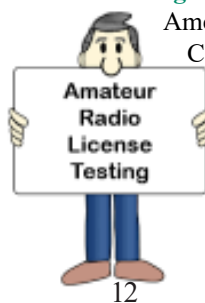
The Shack, 11115 W Nevada Ave (111th & Nevada), Youngtown  
Bring FRN, pencil & pen, and \$15.00  
Contact - David Morrill 623.680.5011  
No Walk-Ins / Register or Call Ahead / Limited Seating

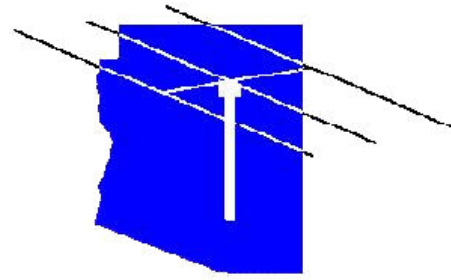
**Aug 8th** - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, Witherspoon Hall  
252 E 22nd St, Tucson  
Contact - Diane Zimmerman  
[dzimmerman2002@gmail.com](mailto:dzimmerman2002@gmail.com)

**Aug 27th** - Arizona ARC -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix  
Contact - Gary Hamman 602.996.8148  
No Walk-Ins / Register or Call Ahead  
Pre-Register Required by the Thursday before





MARCA INC.

Led by Chuck, KF7U, AOCC has moved our reflector to groups.io. This gives us more features such as attachments. If you are an AOCC member, and have not received an invite, reach out to Chuck at [Chuck\\_KF7U@outlook.com](mailto:Chuck_KF7U@outlook.com)

Summer doldrums are here but the solar flux has stayed decent and we are still seeing nice HF openings. Six meters has been slower this summer but when we had good openings they have been big and long. Six was open both days for the ARRL VHF contest. That made it a lot of fun. IARU is mid-July so I hope you spent some time handing out points. The only other major contests in the summer are VHF. Yes, I know there is the WW Digi contest at the end of August but it is not yet a major like many others.

As a reminder, you can find contest dates and links to rules by looking at [www.contestcalendar.com](http://www.contestcalendar.com). You can also check to see what dxpeditions will be on for DX contests at <https://www.ng3k.com/>.

Contest Tip this month – Software. In N1MM, there is a function called Super Check Partial (SCP). This file is kept up to date by K3CT. It shows potential callsigns as you type a call in the entry window. If you are missing a letter, or two, sometimes this call check window will help you figure out who you are working. N1MM now has a built-in feature that allows you to send your log from a contest to SCP by using a couple of clicks. I encourage you to send your logs in as it will help you and everyone else.

Our members include elite contesters who have operated from many DXCC entities around the globe as well as beginners wanting to learn more and who may submit a score of only a few QSOs. We encourage all stations, big or small, to get on and participate in contests and make contacts. There are excellent resources among club members and on our club website for contesting help.

Here are a couple of AOCC accomplishments-

AOCC teams captured both the January 2022 NAQP CW and SSB plaques for only the 2nd time in our existence. Nice job!

AOCC Finishes #6 USA Club in 2021 CQWPX RTTY Contest with 15,790,326 points from 27 entries. <http://mailman.qth.net/pipermail/aocc/2021-July/033165.html>

Keep posting your scores. We welcome all who wish to join the ham contesting/radiosport world.

MARCA's big news, of course, was Field Day. Once again we went to the campground at Gentry Lookout Tower, which is east-south-east of Forest Lakes, AZ. At a bit over 7000 feet altitude, it's quite a bit cooler weather than in the Phoenix area. The campground is close to the Rodeo-Chedesky wildfire burn scar, which is showing some recovery after 20 years.

Most participants arrived Friday afternoon and started setting up. There were a few glitches. After checking one of the wire antennas with an analyzer, it was brought down, adjusted, then raised again. There were several makeshift items, but that's part of the spirit of Field Day – being ready to make do with what you've got!

There were several periods of rain. Although we had canopies for both of the HF stations, the other stations had to make do with tarps to cover the radios while it rained, and mostly the operators retreated to their "portable Faraday cages," otherwise known as "automobiles," or to one of the HF stations to wait out the rain. Fortunately, the rain was fairly gentle, and was slow enough for it to soak into the ground without making a muddy mess. Certainly the trees welcomed the rain, even if it wasn't so popular with some of the participants!

We operated class "2A." Our final score for Field Day was a total of 310 QSOs for 2326 points. The highlight of the event was when, literally in the last minute of the Field Day period, Tony KB7U managed to get a satellite QSO via the International Space Station.

Despite the weather could have been better, and some bad band conditions, we all had a good time. There were a total of 15 people, including members, guests, and kids, in the annual "participants' photo," though there were a few more who left early. We did include a small memorial for the four members who became Silent Keys in the past year.

Looking forward, MARCA is going to continue to have informal monthly meetings via Zoom for the rest of the summer. We may resume having "combined" in-person and Zoom meetings in September, and are hoping to be able to resume having VE testing before the meetings then. Please see our website [www.w7mot.org](http://www.w7mot.org) for info, including log-in info for joining us via Zoom if you so desire.

Clark Jones, KI7TU

ADAW

# Hamfest Calendar

17 September 2022 - **Show Low Tail Gate Swap Meet** - will be held at the Show Low Masonic White River Lodge #62, 741 Whipple Street in Show Low. Hours are 7:00 AM to 12:00 PM. Set up starts at 6:00 AM. Free Admission. Spaces - \$5.00 for 10X10 space. Food & Drink available by the Ladies of Masonic Eastern Star. VE Testing - to pre-reserve, contact Vince at [vetesting@gmail.com](mailto:vetesting@gmail.com). Contact [w8ybm18@gmail.com](mailto:w8ybm18@gmail.com) for more information.

24 September 2022 - **Tucson Autumn Hamfest** - hosted by the Radio Society of Tucson will be held at Calvary Tucson Church, 8711 E Speedway Blvd in Tucson. Hours are 7:00 AM to 11:00 AM with seller set up starting at 6:00 AM. Free Admission. Seller/Vendor Spaces - \$10/parking space. Morning Snacks by Scout Troop 157 and Pack 705. Talk-in - 145.250 MHz, Tone 156.7 Hz. For more information, visit the web site at <http://www.k7rst.org>.

1 October 2022 - **TARA Ham Swapfest** - hosted by the Tonto Amateur Radio Association will be held at Rumsey Park, 400 McLane Road in Payson. Hours are 8:00 AM until 2:00 PM. Admission is free. Tailgaters are \$10.00 and vendors are \$20.00 per table. VE testing will be held from 7:00 AM until 9:00 AM. There is a \$15.00 fee for the test. A potluck BBQ will follow the swapmeet until 4:00 PM. Bring your own meat and something to share. Contact Bruce Johnson at 928.474.4154 (email - [stretch8@q.com](mailto:stretch8@q.com)) for more info. Visit the website at <https://n7tar.org/>

29 October 2022 - **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. Set up 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).

5 November 2022 - **HARKfest Tailgate Hamfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. Hours are 8:00 AM until Noon. Free Admission. Free Tailgating & Vendor Sites. Must pre-register via email to [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com). Overnight full RV hook-up or dry camping. Contact North Ranch Escapees at [northranch@escapees.com](mailto:northranch@escapees.com) to reserve. Free Ham Radio License Testing - Must pre-register via email to [cecarter39@yahoo.com](mailto:cecarter39@yahoo.com). Grand Prizes - Door Prizes - ARRL Card Checking. Talk-in on 146.580 (simplex) or 146.620 repeater (PL 162.2). Contact Duane Grooms, KD0KYK at [djgrooms@yahoo.com](mailto:djgrooms@yahoo.com) for more information. Visit the website at [harkaz.org](http://harkaz.org).

12 November 2022 - **Oro Valley Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 W Grier Road in Marana. Gates open at 7:00 AM (5:00 AM for sellers). Closes at 1:00 PM. \$5.00 Admission includes a bottle of water. Children under 12 are free with a paid adult. Students are free with any AZ school ID. Seller spaces - \$10.00 per space (includes the seller). Indoor VE session. Pre-registration preferred - email [licensing@tucsonhamradio.org](mailto:licensing@tucsonhamradio.org). ARRL Card Checking, Interesting Seminars, Prizes! Food Truck available for Breakfast and Lunch. Contact [hamfest@tucsonhamradio.org](mailto:hamfest@tucsonhamradio.org) for more information.

3 December 2022 - **Superstition SuperFest** - hosted by the Superstition Amateur Radio Society will be held at Mesa Community College, Southern & Dobson Campus in Mesa. Watch for more details.

ADAW



**International Beer Day  
August 6th**



**World Photography Day  
August 19th**





### Club Merch Store – NEW!

Club merchandise is available online at [superarc.big3creative.com](http://superarc.big3creative.com).

BIG 3 Creative LLC is a family-owned business in southeast Mesa. Through our Merch Store portal, they offer T-Shirts, Polos, Outerwear, Head wear, Bags, and Drink ware, just to name the categories on the website navigator.

With most products you can pick the color and add the club logo, along with your name and callsign. Shirts are available in a wide variety of styles.

You can have them ship your purchase for a fee, or pick up the merchandise in their store located at Pecos and Ellsworth roads, at the south end of the Gateway Airport runways.

Sources: July Communicator, [superarc.big3creative.com](http://superarc.big3creative.com)

### Club Meeting Tuesday, August 16 @ 7:00 PM

The Club will meet at the Charles K Luster Building and on Zoom. Members, please check your email for the Zoom link. Doors open at 6:00 PM, but it takes a bit of time to set the Zoom connection up. It should be available at 6:30.

Visitors are always welcome to visit our meetings. We encourage you to join the club, of course, but that's your choice to make. The address and more can be found in ADAW Member Clubs, Page 3.

### The President's Corner

*By Steve KB7KWK*

I want to start off this President's Corner with a thank-you to all of you members who have been coming to the events the club has been hosting. We had a great turnout at the Saturday antenna build and an even better turnout at the Lost Eden Field Day event. I want to send out special thanks to all of our new club members who have joined in these events.

Our next big event will be at the Organ Stop Pizza on July 23rd. That is a Saturday. This year we have the whole place to ourselves again. I hope to see just as many people as we've had in the last few events show up. We get to know each other better, listen to some great organ music, and hand out some awards. Keep an eye on your emails for more details and listen up on club nets.

In spite of a couple of setbacks, this year's Field Day was by far the most attended I have ever seen in this club. We had at least 50 people come up to the cool pines at Lost Eden. We all had a great time. The band conditions for operating were not all that good, but we managed to make a lot of contacts under the special event call K7K.

I almost lost my voice around midnight as JD, KF7VOX and I continued our Field Day tradition of staying up late and being

*Continued on Page 16*

We generally think of ham radio operators as adults, but during our recent W7IO Field Day, which was at the American Red Cross Building in Phoenix, we found this is not necessarily the case. Brian, AE6X, came to visit our Field Day with his two kids, eight-year-old Connor, N5CSK, and his sister Ashtyn Kuzawa, who is studying for her Technician license. Connor and Ashtyn worked with Steve, W7WSV, entering Steve's contacts into the computer logging program. They logged about 32 CW contacts for him. Connor also knows CW and tried out the Vibroplex key paddle that Steve was using. He was able to send at about 15 WPM. We encouraged him to make some contacts, but he didn't want to. Connor has some photos and a write-up on QRZ.COM that's worth a look (N5CSK). He likes to do nets and CW HF with his dad (AA6X), his mom (W5NAE), and his aunt (KJ7ZRX). He is studying for General so that he can use SSB and Digital modes on HF.

We made 261 contacts during Field Day running two stations, See photos of our Field Day at the Red Cross EOC in Phoenix.

73.  
Lori Cripps, WA7EDI



**Connor, N5CSK, logging for Steve, W7WSV, on CW.**



**WA7EDI and KI7KDH at Station 2.**

## Superstition Continued from Page 15

the last ones to call CQ on Saturday night. Brian, W7JET and Charlie, NJ7V made around 500 CW contacts. We dodged all the rain in the area this year, but got hammered on the way home.

We all got together on Saturday afternoon and went radio silent for our traditional lunch together as a group. After lunch we took a group photo to add to our Field Day memories. I will always remember Field as the last camping trip with my parents in 2019. Both of my parents are gone now and every time I see the club video of that year I see them.

We make memories every year at Field Day whether it is making radio contacts or sitting around the campfire telling lies and jokes. I think one of the memories for this year will be the food poisoning that about 30 of us got. Let's just say that next year there will be a third port-a-john. Oh those memories.

73 and catch you on the air...

## A Couple of Net Changes

The Mesh Information Net has changed its start time on Thursdays to 8:00 PM from 7:00 PM. Our Club Nets listing was updated last month.

I have learned that our Saturday Trivia net at 8:00 AM has long since been discontinued because of a lack of interest. Our Club Nets listing is being updated this month.

This listing may be found in the club's Information Box that immediately follows this column.

## 2022 ARRL Field Day Pictures Right After This Column

Dave K7AV has published the ARRL Field Day Report, Part One in July's Communicator, and I will include his pictures from our "Lost Eden" Field Day site above the Rim.

The club newsletter, known as the Communicator, has traditionally been published on the club site, but hasn't recently been included. We are in process of converting our big website into a new format, perhaps very similar to the [SuperstitionSuperFest.org](http://SuperstitionSuperFest.org) site. We apologize for the dust during this construction project!

## Deadlines to Include Your Input in Our Publications:

We publish this column and the club Communicator newsletter. We welcome your input to both publications.

**This publication:** Please email [WB7C@SuperstitionARC.org](mailto:WB7C@SuperstitionARC.org) with your input by: August 5th. The September ADAW will publish to club members in late August.

**The Communicator:** Please email [Editor@SuperstitionARC.org](mailto:Editor@SuperstitionARC.org) with your input by: July 27th. The Communicator will publish to club members in early August.

73 – Larry Kuck WB7C for SuperARC's part of this ADAW.



Continued Next Column



**Superstition ARC Repeaters**

Output	CTCSS	Links To	Mode
147.120 MHz +	162.2Hz	449.600*	FM Only
449.600 MHz -	100.0Hz	147.120*	FM Only
448.275 MHz -	100.0Hz	WIRES-X	Fusion

\* Also Links to Echolink Node: **WB7TJD-L**  
\* Also Links to AllstarLink Node **52987**

**Club Nets**

- Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia
- Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.
- Mesh Information Net:** Thursdays, 8:00 PM - Net control Steve, KB7KWK
- Fusion Confusion:** Monday & Friday, 8:00 PM - 448.275
- 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](http://www.superstitionsuperfest.org) for the latest information.





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**SHORT SKIP**

## Field Day 2022

*(Photo credits to Dan Evander, Josh Cavender, & Peter Riddle)*

For those of you who attended the biggest party in ham radio ... I want to thank you! You witnessed firsthand how hard working, creative wonderful you fellow clubmates are! But the spotlight was on Lucas, just 12 years old who operated most of Saturday. With "Father Thompson" at his side and showing him the ropes, he became a natural.



Lucas and Ray, W0IVB, operating voice.

The morning started with great ambition, good food and a great group of motivated hams ready for the challenge! Breakfast was good and filling.



We had plenty of help for setup, so we were ready to operate well before the 11:00 a.m. start time. The data station picked up the most "double points" contacts for the day.

### *WVARC Continued from Previous Column*

Jimmy Thompson, K6RRS operating Data mode (FT-8).



John Siepman, N9NA dropped by at 9:00 a.m. to set up the four computers and giving us "novices" a few good tips. He went home to rack up points at his home station. If you would like to donate your FD points to the club, checkout the club's web page or contact Bob, AB7RR the "keeper of the points."



Peter's home station



Station set up outside to use solar panels.



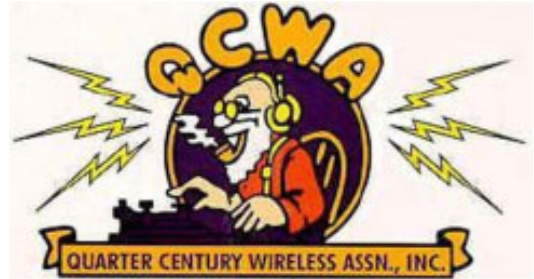
Even after 45 years as a ham, I still learned "a thing or three" about radio, invisible antennas (laugh, laugh), and most especially ... my fellow club members!

Frosty, NQ1S  
Field Day Chairman

*Continued Next Column*



# No Reports Received



CHAPTER 16  
BARRY M. GOLDWATER ARIZONA CHAPTER



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



### 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.



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### IC-718 | HF Transceiver

• 160-10M\*\* • 100W • 12V operation • Simple to use • CW Keyer Built-in • One touch band switching • Direct frequency input • VOX Built-in • Band stacking register • IF shift • 101 memories



### ID-4100A | VHF/UHF Dual Band Digital Xcvr

• Compact, Detachable Controller for Flexible Installation • DWFN Near Repeater Search Function • Apps for iOS™ and Android™ devices • Wireless Operation with VS-3 & UT-137 Bluetooth® Headset & Module • MicroSD Card Slot



### IC-7851 | HF/50MHz Transceiver

• 1.2kHz "Optimum" roofing filter • New local oscillator design • Improved phase noise • Improved spectrum scope • Dual scope function • Enhanced mouse operation for spectrum scope



### IC-705 | HF/50/144/430 MHz All Mode Transceiver

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### IC-2300H | VHF FM Transceiver

• 65W RF Output Power • 4.5W Audio Output • MIL-STD 810 G Specifications • 207 alphanumeric Memory Channels • Built-in CTCSS/DTCS Encode/Decode • DMS



### IC-7300 | HF/50MHz Transceiver

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### IC-7100 | All Mode Transceiver

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### IC-V86 | VHF 7W HT

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### IC-7610 | HF/50 MHz All Mode Transceiver

• Large 7-inch color display with high resolution real-time spectrum scope and waterfall • Independent direct sampling receivers capable of receiving two bands/two modes simultaneously



### IC-2730A | VHF/UHF Dual Band Transceiver

• VHF/VHF, UHF/UHF simultaneous receive • 50 watts of output on VHF and UHF • Optional VS-3 Bluetooth® headset • Easy-to-See large white backlight LCD • Controller attachment to the main Unit



### IC-R30 | Digital/Analog Wideband Xcvr

• 100 kHz to 3.3 GHz Super Wideband Coverage • P25 (Phase 1), NXDN™, ePMRTM, D-STAR Mode • 2.3" Large LCD Display & Intuitive User Interface • MicroSD Card Slot for Voice & Data Storage • USB Charging & PC Connection



### IC-R8600 | Wideband SDR Receiver

10 kHz to 3 GHz Super Wideband Coverage • Real-time Spectrum Scope w/Waterfall Function • Remote Control Function through IP Network or USB Cable • Decodes Digital Incd P25, NXDN™, D-STAR • SD Card Slot for Receiver Recorder



### ID-5100A Deluxe VHF/UHF Dual Band Digital Transceiver

• Analog FWD-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dashwatch

### ID-52A | VHF/UHF D-STAR Portable

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- FAX – All store locations
- ONLINE – WWW.HAMRADIO.COM
- MAIL – All store locations

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