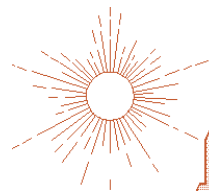
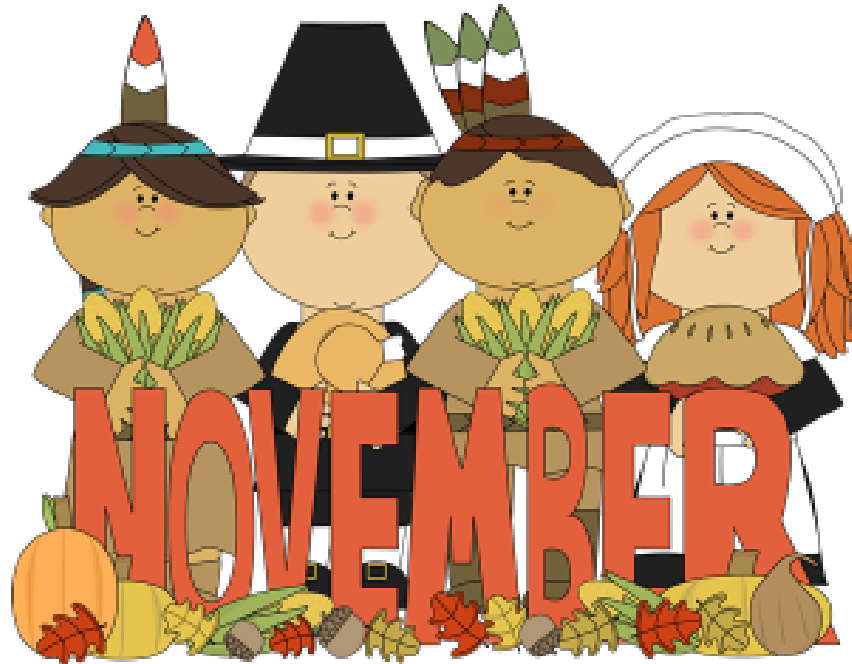


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 46, No 11 November 2021

CLUB MEETING SCHEDULE

SARC

Nov 3rd - 7:00 PM
On Line

AARC

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

AzRCCC

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

WVARC

Nov 1st - 7:00 PM
Via Zoom

SuperstitionARC

Nov 16th - 7:00 PM
Charles K Luster Bldg./Mesa

CHRC

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

ANSR

Nov 18th - 7:30 PM
via GoToMeeting

KARC

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

OVARC

Nov 19th - 7:00 PM
Ascension Lutheran Church

AMO

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

YARC

Nov 4th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Nov 18th - 6:30 PM
AZ Christian University

ATN (VOAR)

Postponed
www.whereby.com/atn1

QCWA-AZ Chapter

TBD
Various

CADXA

Nov 4th - 7:00 PM
via Zoom

ARA

Nov 22nd - 7:30 PM
Electronically

SunLifeARC

Every Monday - 10:00 AM
Via Zoom

CARL

TBD
Check Web Site

MARCA

Nov 16th - 6:30 PM
via Zoom

MARA

Nov 6th - 9:00 AM
Maricopa Public Library

MMRG

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 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	n7ell@scottsdalearc.org
Vice President	Ray Vasquez	K4RMV	k4rmv@scottsdalearc.org
Secretary	Bruce Harmsen	KA9EYX	
Treasurer	Douglas Mitchell	W7ADD	w7add@scottsdalearc.org
Past President	Paul Finell	W7EFQ	w7efq@scottsdalearc.org
Board Members	Gene Geller	K0VN	
At-Large	David Yee	N7AJR	
	Bill Kouchis	N9EIV	
	Jim Dye	AG7AU	
	Paul Finell	W7EFQ	
	Chris Schweiger	NE7EE	
	Alex Caravajal	KJ7OFM	

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

ARIZONA NEAR SPACE RESEARCH

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

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

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

THUNDERBIRD AMATEUR RADIO CLUB

The Thunderbird Amateur Radio Club meets the **THIRD THURSDAY** of each month at 7:00 p.m. at 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	president@w7tbc.org
Vice President	Rick Tejera	K7TEJ	vicepresident@w7tbc.org
Secretary	Andrew Cornwall	KF7CCC	secretary@w7tbc.org
Treasurer	Jeff Rogers	KD7PYE	treasurer@w7tbc.org
Directors	Robert Lutes	N7NO	n7no@w7tbc.org
	Clair Wyant	KG7MAJ	kg7maj@w7tbc.org
	Chuck Erickson	K7CAE	k7cae@w7tbc.org
	Robert Fairfield	K7RQN	k7rqn@w7tbc.org
Past President	Brian McCarthy	AK7F	ak7f@w7tbc.org
Trustee	Gary Duffield	WK7B	wk7b@w7tbc.org

For further information about the ThunderBird Amateur Radio Club, visit our website at <http://w7tbc.org>, send an e-mail to: info@w7tbc.org or call 602.938.8219. The Thunderbird Amateur Radio Club is a 501(c)(3) non-profit organization. Mailing address: PO Box 11394, Phoenix, AZ 85318-1394.

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 Email: azrccc@gmail.com

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	president@copahams.org
Vice President	Scott Bushman	WI7Y	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:	Louis Sandoval	W8LES	w8les@copahams.org

The Maricopa Amateur Radio Association is a 501(c)(3) non-profit organization. DUES: \$25.00/year individual, \$30.00/year family. Apply on-line at www.copahams.org. Mailing address: P O Box 951, Maricopa, AZ 85139

ADAW Member Clubs

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
 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	Jim Mortensen	W7AZY	
Vice President	Bill Turley	KJ7GYH	
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 Testing Info: White Mountain V.E. Team: VEtesting@cablone.net. Dues are \$15/yr for individual; \$25/yr for family. Membership is January 1 - December 31. Website: www.kachinaarc.org

ARIZONA REPEATER ASSOCIATION, INC

The Arizona Repeater Association general meeting is held the **FOURTH THURSDAY** of each month at 7:30 p.m. There are no meetings in July and December. The November meeting is held the Monday before Thanksgiving. Meetings are held at Denny's Restaurant, 825 S 48th Street in Tempe, near SR143 and University Drive. Visitors are welcome. Come early for food and social time before the meeting starts. For further information about the ARA, including repeaters, site status, and the tech/board meeting, please visit our web site at www.w7ara.org.

President	Brian McCarthy, AK7F	ak7f@w7ara.net
Vice-President	Erv Heimbeck, K0OTZ	k0otz@w7ara.net
Treasurer	Cole Cunningham, AA7RD	aa7rd@w7ara.net
Secretary	Jim Hoff, N7XXX	n7xxx@w7ara.net

Board Members:

Dennis Campbell, AE7WU	ae7wu@w7ara.net
Mike Montalvo, KF7MBK	kf7mbk@w7ara.net
Marty Dusenberry, KE7DGP	ke7dgp@w7ara.net
Dennis Bietry, KE7EJF	ke7ejf@w7ara.net
Lance Halle, KW7LH	kw7lh@w7ara.net
Joe Godfrey, AE7JG	ae7jg@w7ara.net
Patrick Baldwin, KI4NSF	pbaldwin99@gmail.com
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** each month (except December) at 7:00 PM -- Charles K Luster Building, 640 N Mesa Drive, Mesa -- also via Zoom. **VISITORS** are Encouraged to attend. **Board meeting:** Second Tuesday at 6:30 PM via Zoom. If you would like to attend one of our meetings via Zoom, please contact president@superstitionarc.org at least 24 hours prior to the meeting for the Zoom link.

President	Steve Estes	KB7KWK	480.251.0551
Vice President	Brian Betz	W7JET	
Secretary	Scott Simeon	KI7KIM	
Treasurer	Bryan Hubbard	KF7DPC	480.205.8122
Board Members:	Bob Thomas	N8ANV	239.253.8279
	Emmet Plant	KB3MPN	
	Fred Atkinson	WB4AEJ	602.464.4406
	Greg Watkins	WB7VOK	
	Jeff Harris	K2DFE	602.617.6930
	Jeff Heinze	N7CCW	480.720.7908
	John Wolven	KG7NSP	

Mailing Address: Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.
 Web Sites: SuperstitionARC.org and SuperstitionSuperFest.org.
 The Superstition Amateur Radio Club, Inc. is a 501(c)(3) non-profit corporation. For more information, send email to: info@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. 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	Don Aldridge	WA7RLL	
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

The Central Arizona DX Association meets the **FIRST THURSDAY** each month at 7:00 p.m. Until further notice, meetings will be held virtually on Zoom. Visitors always welcome. See www.cadx.org/meetings.html for a map.

President	Bill Poole	AA4Q	billpoole@yahoo.com
Vice President	Ron Smith	N7RD	n7rd@cox.net
Secretary	Bob Davies	K7BHM	k7bhm@cox.net
Treasurer	Mike Wright	N7MW	n7mw@aol.com
Past President	Larry Loen	WO7R	lwloen@gmail.com
Directors	Eric Schecter	KC7ES	eschecter@gmail.com
At-Large	John Jolly	N7NWL	wa7nwl@gmail.com

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: [cadxa@cox.net](mailto:cadx@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.



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

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 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	Sam Prather	K7SCP	treasurer@w7yrc.org
Past President	Bill Noe	WG7W	
Board Members	Dave Erlach	W7VSX	rocketdog@dslxtreme.com
	Mike Schnell	NC7X	ka9cid@gmail.com
	John Laing	K7PRS	k7prsextra@gmail.com
	Ray Kolman	KI7COM	spudsman@gmail.com

Yavapai Amateur Radio Club, P O Box 11994, Prescott, AZ 86304-1994. DUES: \$20.00/yr. Visit the website at www.w7yrc.org

ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Ascension Lutheran Church located at 1220 W Magee Road in Tucson. (December is annual Christmas Party). (Monthly meetings are being held on ZOOM during the Pandemic.) Visitors are **VERY** welcome. Board Meetings are held at 7:00 p.m. via ZOOM. Check the web site at 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	Hanna Eckert	KG7TPD	haneck@aol.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 for dates and presentation topics of club meeting. Weekly net is held every Thursday at 8:00 PM on 443.050+ PL100.

President	Michael Reed	AA0MR	pres@chandlerhams.org
Vice President	Norm Fasoletos	K7NWF	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 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 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 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. Email: wb9kmo@gmail.com

WEST VALLEY AMATEUR RADIO CLUB

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

President	Danny Hoerr	KM4HFT
Vice-President	Bill Ciccone	KA2KHV
Secretary	Lee Ann Ciccone	KJ7AZR
Treasurer	Doug Totel	K9RZ
Board Member:	Krissy Larson	KI7GJJ
	Joe Jacobson	KJ7PUL
	Frosty Oden	NQ1S
	Larry Johnson	WO7C
Past President	Danny	KM4HFT
Committees:		
Membership	Krissy Larson	KI7GJJ
Technical Advisory	Frosty Oden	NQ1S
Equip. Donations & Sales		
	Ken Jenkins	WB6MMV
	or Jim Seay	WB7RBN

WVARC, P O Box 1573, Sun City, AZ 85372-1573. DUES: \$15.00/YR for family residing at the same address. MEMBERSHIP YEAR - January - December. Web Site: <http://westvalleyarc.com>. Email: suncitywvarc@gmail.com

SUNLIFE AMATEUR RADIO CLUB

The Sunlife Amateur Radio Club meets **EVERY MONDAY** from October through April each year at 13:00 (1:00 p.m.) on Zoom. For access, please contact Sue Rogers, W7SKH at 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	Sue Rogers	W7SKH	happyham7777@gmail.com
Vice President	Ralph Towers	KA0CET	retowers@hotmail.com
Secretary	Chuck Rogers	W7CBR	rogers_charles@hotmail.com
Treasurer	Dwight Carlson	KF7WI	dec@kalama.com

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 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
 Vice-President: Steve Estes, KB7KWK vicepresident@arizonamesh.org
 Treasurer: Scott Gillins, W2KP treasurer@arizonamesh.org
 Secretary: Robert Fridell, N3BZ secretary@arizonamesh.org
 Board of Directors
 Dale Schmidt, N7QJK n7qjk@arizonamesh.org
 Heidi Brewer, K7ZAE k7zae@arizonamesh.org
 Gary Hinton, AC7R ac7r@arizonamesh.org
 Bob Howard, W8RH w8rh@arizonamesh.org
 Rodney Fritz, WB9KMO 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

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.

President: Mike Fulcher, KC7V mikekc7v@gmail.com
 V. P. North Area: Ray Benny, N6VR n6vr@arrl.net
 V.P Central Area: Chuck Zanella, KF7U Chuck_KF7U@outlook.com
 V.P. South Area: Owen Watson, AK7W ak7w.owen@gmail.com
 Secretary/Treasurer: Larry Reader, KE2VB 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.



ADAW Staff

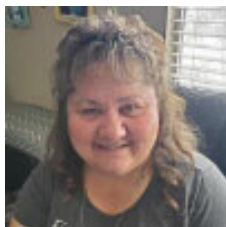
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Silent Keys

Public Service Calendar



Tara Lynn Haws, KI7KLJ Dec 30, 1964 - Oct 16, 2021

Tara Lynn Haws, 56, passed away Saturday, October 16, 2021 in Eagar. She was born December 30, 1964 at Lajes Field Air Force Base, Azores, Portugal, the daughter of James Howard Mahaffey and Clara Lou Gay.

Tara would do anything for her husband, children and grandchildren. She loved cooking, quilting, and Ham Radio; Monday night Net Control, KI7KLJ (General Class). Beaches were good, but no boats. She loved being outside and up on the mountain going for drives. Tara liked to help others, was a hard worker and served others in family, church and community.

Tara is survived by her husband, Marc Haws, Eagar; children, Rebelle (Nick) Anderson, Eagar; Jalan (Reagan) Haws, Duncan; 4 grandchildren, parents, James "Bull" and Clara Mahaffey, brother, Howard Mahaffey and sisters, Martha Williams and Kay (Mario) Lopez.

She was preceded in death by a brother, Kenneth Mahaffey.

From burnhammortuary.com

Tara was the long time ADAW club editor for the Kachina Amateur Radio Club. Her informative and interesting articles will be greatly missed. RIP, Tara. ed.

Dale Schmidt, N7QJK Oct 22, 2021

It is with great sadness that I have to report that my very good, long-time friend of 35 years lost his life to Covid 19 on Friday, October 22nd at 10:09 am. Dale N7QJK has gone home.

Dale was a member and on the BOD for the Superstition ARC since around 1991. He was also one of our founding members of the AMO. He has been the webmaster for Superstition since 2008 and webmaster of AMO since it started. Dale's passing is a great loss to my family as well as the Ham community. Dale is survived by two daughters and a niece.

It is unknown at this time if there will be any services. I will keep everyone informed.

Steve Estes, KB7KWK

Maricopa County Emergency Communications Group Events

EVENT	LOCATION	DATE
Phoenix Half Marathon	Downtown Phoenix	11/14/2021
Xterra San Tan Trail Run	San Tan County Park	11/14/2021
Xterra Estrella Mtn Trail Run	Estrella Mtn Park	12/11/2021
Scottsdale Half Marathon	Scottsdale Civic Center	12/12/2021
Auxcomm Interest	TBD	12/31/2021
Xterra - White Tank	White Tank County Park	01/08/2022
Xterra McDowell Mtn	McDowell Mtn County Park	02/06/2022
ADA Tour De Cure	West Valley	03/05/2022
Xterra Black Canyon Trail Run	Black Canyon City	03/13/2022
El Tour De Cure	Mesa	04/02/2022

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

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

ADAW



Daylight Savings Ends
November 7th

Even though Daylight Savings Time is not observed in most of Arizona, it's nice to have a notice when it begins and ends. Makes calling friends, family, and businesses in other states a bit easier. ed.



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 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 and 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.

Honing our Skills – Broadening our Horizons

This month, I have asked Rusty, WA8ZID, to document W7ASC’s return to the world of satellites. It has been a long time since we worked anyone by satellite, and we never really got the hang of it. Three of us working together to manage transmit, receive, and tracking looked more like the Keystone Cops than amateur radio operators. Rusty has an impressive success rate working FM satellites with his mobile rig and is working to get us up to speed from the Harkins Ham Shack. Here’s his report on the subject.

Satellite Operation at Harkins Ham Shack – by Rusty, WA8ZID

While ASC was shutdown during the peak of pandemic, new feedline was installed for all our antennas, including the two for our VHF/UHF AZ/EL antennas, which meant satellite operations were possible via our TS-790A rig. Tom AD7PM and I fired up that rig right before Labor Day and let other satellite operators know via Twitter that we’d be trying to get some contacts. FM satellites are much easier to use so we chose that mode for our first try.

We tried SO-50 as that was the first satellite in range. We could hear a number of stations and made one contact with a well-known satellite operator, Patrick WD9EWK, who was on

CARL Continued from Previous Column

the DM34/44 grid line near Sunset Point just off I-17. The antennas are quite directional and we had trouble keeping them aimed so no other contacts were made, but the system works! Patrick came to the shack later that day and shared a lot of tips to help us work the satellites regularly. He did tell us other stations were trying to contact us as well but we just could not hear them.

The TS-790 does have SSB capability and full duplex (separate transmit and receive), so we should be able to spot ourselves on the linear satellites. Somewhere down the road we will try that. Having the ASC visitors see us use a satellite can be a great demonstration of what we can do as amateur radio operators. I am hopeful we can make it a regular occurrence.

Kudos, Rusty and Tom

Good work, guys. We look forward to future reports as you work out the remaining kinks so we can consider satellite operation another arrow in our quiver of amateur radio modalities. Then, maybe we should augment our “On The Air” sign with an “On Orbit” sign.

73
de WB4ZSC Steve
vyix99@yahoo.com
480.570.1041

ADAW



November 11th

Continued Next Column

Hamfest Calendar

Hamfest Calendar Continued from Previous Column

6 November 2021 - **HARKfest** - hosted by the Hassayampa Amateur Radio Klub will be held at North Ranch Escapees RV Park, 30625 S Hwy 89 in Congress. (GPS: 34 06.292, 112 49.880) Mile Marker 263.8 Free Admission - Free Tailgate Sites & Vendor Sites (Pre-Registration Required - email to djgrooms@yahoo.com). Overnight Full RV hook-up & dry camping - Register with North Ranch Escapees (northranch@escapees.com). Testing via LARC VE Testing - Must Pre-Register (email to: cecarter39@yahoo.com). Prizes - ARRL Card Checking. Visit Web Site: harkaz.org. For more information, email Duane Grooms, KD0KYK - djgrooms@yahoo.com.

13 November 2021 - **Tucson Hamfest** - hosted by the Oro Valley Amateur Radio Club will be held at Marana Middle School, 11285 West Grier Rd in Marana. Gates open at 7:00 AM, closes at 1:00 PM. Admission is \$5.00 which includes a bottle of water. Children under 12 with a paid adult and students with any Arizona school ID are free. Sellers spaces are \$10.00 per space and includes seller's admission. Indoor VE Session with pre-registration preferred, but not required. Send an email to pre-register (email licensing@tucsonhamradio.org). Interesting Seminars - ARRL Card Checking and LOTW Assistance at ARRL Booth - Food Truck for Breakfast and Lunch. Contact hamfest@tucsonhamradio.org for more information. Visit the website at www.tucsonhamradio.org.

13 November 2021 - **AMO Adventure Game** - presented by the Arizona Mesh Organization. Start location is at 3130 E Southern Avenue in Mesa. Hours are 7:00 AM - 2:00 PM. Check-In at 7:00 AM with Doughnuts and Coffee available for purchase. Pre-registration is required. \$20.00 per person. Visit <https://adventure.arizonamesh.org> for all the details.

20 November 2021 - **West Valley Electronics Club Tailgate Swapfest** - hosted by the West Valley Electronics Club will be held at 11115 W Nevada Ave in Youngtown. Parking for buyers on both sides of Nevada Ave. Hours are 8:00 AM to 12:00 PM. VE Exams at 1:00 PM. Selling parking spaces are limited - RSVP to westvalleyhamshack@gmail.com. Museum will be open for viewing vintage Ham and Broadcast radios. Bottled water available. See flyer in flyer file. For more information, contact Fred, K7WFP at fpeters5227@gmail.com or Gary, K8BKB at franklin6209@att.net.

4 December 2021 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club will be held at Superstition Springs Center, 6555 E Southern Ave in Mesa. Hours are 7:00 AM to 3:00 PM. Prizes, Special Event Station, GOTA Station, Fox Hunts. Talk-In Frequencies 147.120 (+) 162.2 Hz and 449.600 (-) 100.0 Hz. Email info@superstitionsuperfest.org for more information and visit the web site for the latest details - superstitionsuperfest.org.

15 January 2022 - **Thunderbird Hamfest** - hosted by the Thunderbird Amateur Radio Club will be held at the Glendale Nazarene Church, 5902 W Cactus Road, Glendale. Hours are 8:00 AM until Noon. General Admission - \$5.00 per person. Kids under 12 are free. Tailgating/Commercial Vendor spaces are \$10.00 per lined parking spot. Set up begins Friday after 5:00 PM and Saturday after 6:00 AM. VE Testing from 10:00 AM until 11:00 AM. Prizes - ARRL Card Checking - Seminars - Snack & Beverages. Talk-In Repeater - 147.040 MHz PL 162.2 - On-Site announcements - 146.56 MHz Simplex. For questions, email hamfest@w7tbc.org. Visit website at <http://www.tbirdfest.org/> for the latest information.

18-19 February 2022 - **Yuma Hamfest** - hosted by the Yuma Amateur Radio Hamfest Organization will be held at the Yuma County Fairgrounds, 2520 E 32nd Street in Yuma. Visit the web site at www.yumahamfest.org for up to date information.

16 April 2022 - **April Hamfest at DeVry** - hosted by the Arizona Amateur Radio Club and the Arizona Red Cross Communications Club will be held at DeVry University, 2149 W Dunlap Avenue, Phoenix. Watch for details.

ADAW



ADAW

Continued Next Column



TBARC Continued from Previous Column

see the future - but I wouldn't be surprised to hear the usual: enthusiastic participants, good food and lots of QSOs!

The hamfest is coming up!

We've had a few people step up to give presentations at the hamfest, although the presentation schedule hasn't been confirmed yet. And we're still looking for volunteers from the club who can help set up on Friday, as well as deal with parking, admission, club sales, and more on Saturday. Get in touch with Rick at hamfest@w7tbc.org and he'll find a spot for you! No matter what, make sure you keep the hamfest on your calendar: Saturday, January 15, 2022 at the Glendale Nazarene Church, 5902 W. Cactus Road in Glendale. As usual, watch www.tbirdfest.org for news and updates.

November meeting

We've got an exciting meeting for you again this November. The meeting will again be hybrid: in person at Arizona Christian University, or online with Zoom. In addition to the election (don't miss it!) TBARC club member Gordon Bousman NW7D will be talking about "Batteries for Amateur Radio Portable and Emergency Power." Are you thinking about what you'll do when the lights go out? Or perhaps you'd like to know what the best battery is for POTA operation. The conference URL and details are on the TBARC website, w7tbc.org. Join us and share the learning and conversation - 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

Elections - show up and vote!

The upcoming November meeting will see our annual club elections. I've seen a few emails flying back and forth, and it looks as if we'll have a full slate of candidates running for the board. Like last year, we'll have an option for Zoom attendees as well as an option for in-person attendees to cast your ballot. Thanks to everyone who stepped forward to run this year - when a club has this much involvement, everyone wins!

Saturday morning breakfasts are back on!

After a lot of hunting, Charlie found a place for us: the Black Bear Diner at Bell and 59th Avenue (Actually 6039 W. Bell Road in Glendale.) Unlike our previous Saturday morning breakfast spot, the Black Bear Diner doesn't take reservations. But they tell us things aren't usually hopping early Saturday morning, and there should be no trouble accommodating our group. So we're going to go there at 6:30 AM on Saturday. You heard that right: not just the first Saturday of the month, but every Saturday! No need to plan ahead, just show up at 6:30 AM and join the group!

Amended bylaws - new this year

The elections this year will be slightly different from what you might be familiar within previous years. Last year we changed the bylaws and constitution to make finding candidates a little easier. Rather than electing a president, vice president, treasurer, secretary, and two board members, you'll be electing the people you want to represent you on the board. Then in January, the first act of the new board will be to decide which of the board members will act as officers - the president, vice president, secretary, and treasurer. The idea was that we wouldn't scare people off by making them run for a particular position - instead, we'd leave that to the board once we knew who that was.

AZ QSO Party

It hasn't happened yet - it's thirteen hours away as I write this - but by the time you read this, the Arizona QSO Party will be over. This year, the plan for the Thunderbird Amateur Radio Club was to get together at the Mingus Mountain campground. I can't tell you how things went, because I can't

ADAW



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 whether test session will be held.

November Test Sessions

Nov 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

Nov 2nd - ARRL Ham Radio Exams -- 6:00 PM

Prescott Christian Church, 501 S Senator Hwy, Prescott
Contact - J.M. Scherfling 928.632.2050
No Walk-Ins/Register or Call Ahead

Nov 2nd - Oro Valley ARC -- 6:00 PM

Town of Marana Community Room, 5100 W Ina Rd, Tucson
Contact - David Beauchesne 520.639.8626
No Walk-Ins / Register or Call Ahead

Nov 6th - CHRClub Laurel VE Team -- 10:00 AM

Tri-City Baptist Church, 2211 Germann Rd, Chandler
Contact - Norm, K7NWF vp@chandlerhams.org
No Walk-Ins / Register online: chandlerhams.org/testing/
NOTE: No Test December 4th

Nov 6th, 13th, 20th - NOMADS -- 9:00 AM

Venture Out RV Resort, 5001 E Main St, Mesa
Call or email team to schedule a test / on demand testing
Contact - Robert Bingham 480.404.1408
No Walk-Ins / Register or Call Ahead

Nov 6th - K7ARC VE Team -- 10:00 AM

American Red Cross, 4747 N 22nd St, Phoenix
Contact - Brandi Bridges k7arc.ve@gmail.com
No Walk-Ins / Register or Call Ahead

Nov 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

Nov 8th - Radio Society of Tucson -- 7:00 PM

Immanuel Presbyterian Church, 9252 E 22nd St, Tucson
Contact - Diane Zimmerman dzimmerman2002@gmail.com

Nov 12th, 26th - Desert Amt Radio Club -- 4:00 PM

Scenic Road RV Park Club House, 480 N Central, Quartzsite
Contact - Kathleen Kuck 520.909.2706
No Walk-Ins / Register or Call Ahead

Nov 13th - Oro Valley ARC -- 10:00 AM

Marana Middle School, 11285 W Grier Rd, Marana
Contact - David Beauchesne 520.639.8626

Nov 16th - Hassayampa AR Klub -- 2:00 PM

Home, 30645 S Wandering Way, Escapees North Ranch, Congress
Contact - Charles Carter 316.651.7710
No Walk-Ins / Register or Call Ahead

Nov 16th - Boy Scout Troop 127 -- 8:00 PM

St Francis Xavier Church - Anderson Hall,
4715 N Central Ave, Phoenix
Contact - John Kelly 480.823.8993

Nov 17th - Thunderbird ARC -- 6:00 PM

<https://www.ve@w7tbc.org> - See Website for Location
Contact - Walter Reinert 602.668.7804
No Walk-Ins / Register or Call Ahead

Nov 20th - Hualapai ARC -- 10:00 AM

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

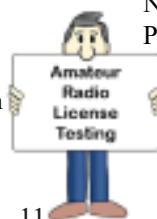
Nov 20th - West Valley Electronic Club -- 9:00 AM

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

Nov 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

FACEMASKS ARE REQUIRED





The Yavapai Amateur Radio Club has resumed live and in person meetings. You can come to the Rodeo grounds Freeman building or join us on Zoom.

YARC meets at the Freeman Building at the Prescott Rodeo Grounds, 840 Rodeo Drive, Prescott, AZ 86305. Or, if you would like to join the fray via Zoom, the link can be found on the front page of our website, www.w7yrc.org

YARC is an ARRL Special Service club. We provide communications for several events. There were four scheduled during September and October, but it looks like things have wound down for this year.

ARISS student project a success

Finally, after long delays, our chance to give local students a chance to speak to astronaut Mark Vande-Hei aboard the international space station was completed successfully. Eleven students from five elementary, intermediate, and middle schools gathered in the Hendrix Auditorium at Mile High Middle School in Prescott and took turns speaking with Vande-Hei as the ISS passed 260 miles above Hollis, NH. The contact lasted about 10 minutes, while the students asked questions and Vande-Hei answered. Students across the District were able to listen in on the conversation from their classrooms. YARC is so pleased that we could play a role in this rare encounter.



YARC Continued from Previous Column

We continue to conduct license testing sessions. The sessions have been very successful and well attended. At our October test session, we had 14 candidates. Our next and last session for this year will be on December 4, 2021. Pre-registration is required at www.w7yrc.org/arrl-vec/. We require registration ahead of the test sessions because of the variability of dates due to outside factors. Time and place of testing can be changed without much warning.

The Yavapai Amateur Radio Club has a 2-Meter and 70CM FM net dubbed the "1300 Net" It is held every day of the week, except Saturday & Sunday at 1300 hours MST on 146.880 (PL of 100 Hz) and 447.650 (PL of 100Hz). These Linked repeaters have AllStar node 502370 and Echolink W7YRC-R.

Other nets we conduct are:

Wednesday Night FM Net 7PM

Friday Night 6 meter FM Net 7PM

Saturday Coffee FM Net 9AM

Details of all nets can be found on our website, www.w7yrc.org

YARC is one of the largest and most active amateur radio clubs in the southwest. Our home is in beautiful Prescott, Arizona, at an elevation of 5400 ft. When things return to normal why not join us for one of our regular club meetings. All the info will be on our website, www.w7yrc.org.

Remember; BE RADIO ACTIVE!

From the Desk of the President
By John Snedden KT7P

Living in an area with four seasons reminds us that we all live in a 360-degree life cycle. Looking around at all the colors out there it seems that Mother Nature is celebrating the end of a great growing season with a plentiful harvest. This is the time of year to celebrate and share with others.

November is the month that our club celebrates and honors those that have made contributions during the past year and those over the time of their membership in the club. The Lloyd Halgunseth WA6ZZJ (SK) Memorial award is presented by ARES/RACES to a member who has excelled in the Public Service/Emergency Services area and the YARC Life-Time Membership Award is presented to a member(s) who has contributed to the betterment of the club over the years of their membership.

November is also the month where we bring in the new with elections for two Board of Directors and two Club Officers. This year we have four new members stepping up for the BOD positions which is exciting! Our growth over the last two years is bringing new faces, new ideas, and new energy to an already active club. Looking forward to another year of growth and new projects, as well as bringing some events and projects

Continued Next Column

Continued on Page 13



Our next meeting will be on November 3rd at 7:00 PM on-line. We are hoping to be back in the Scottsdale South Senior Center after the first of the year.

73,
Gene, K0VN

SARCCONSTANTS:

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.



YARC Continued from Page 12

back from the last two years.

I am thankful for all the friendships, Mentors, Elmers, and contacts made over the past years and especially thankful to all the support from the members of YARC and ARES/RACES that have provided verbal, written, and hands-on assistance to me, to the Board of Directors, to YARC and especially to the youth in our community. This year has brought in not only new members to YARC, but the reach-out to the schools has brought in a whole new generation of HAMS who have embraced Radio Science as a future they want to be involved in. The mixing of old-school and new-school has been not only rewarding but has also seemed to fire-up a new interest in all things radio!

Hope to see you at the YARC General Membership Meeting on the 4th of November where you can say thanks to those who have and are serving and welcome to the new who are coming in and becoming involved. Without this cycle of life, we would cease to be a club. Thank you all!

Be safe and healthy and good to have you all so Radio Active!

73,
John KT7P - YARC President

In-person club meetings continue. It has been great to get together once again. The regular club meeting is held the second Saturday of the month at 9AM. The meeting location is at the Chandler Tri-City Baptist Church. The church is located at the SW corner of Germann and S. Dobson roads. The church has rooms in the back, on the south side of their parking lot. That is where we will be located. Watch for temporary signage to direct you to the correct location. These in-person meetings are a welcome change for all, and we hope that they will continue. We are going to try again a hybrid meeting with both in-person and Zoom. We will see how it goes at the new venue. As always, check our website chandlerhams.org for additional information. After the regular meeting a presentation of interest to Hams will take place. For November 13th, the presentation will be on Antenna Basics.

After the regular presentation we have added a new Elmer feature as a last part of our monthly meetings. A group of Elmers will present beginning Ham topics. Last month the presentation was on VHF/UHF communications. Following the presentation there will be a Q&A session. Everyone is welcome to participate in all or part of these monthly club meetings.

Our Thursday evening net continues at 8PM. It is located on 443.050 MHz, + offset, and with a PL tone of 100. Thanks to MARCA for the use of their repeater, located on South Mountain. Please 'check in' and see what it is all about.

Our new website continues to improve, with a great new look. You will find links to our meetings and the calendar gives other events as well. Please check it out! We have added information about upcoming Hamfests, including some we will be participating in. Copafest will be our first involvement this year on October 30th.

VE testing continues at the Tri-City Baptist Church in Chandler at 10AM on the first Saturday of the month. We are proud to say that we have continued the testing throughout the pandemic. Now we are able to increase the number of applicants due to changes in the building limits and additional test personnel. Please check our website for registration. Contact information is also given in this newsletter, and on the ARRL website. Slots are still booking fast but we do have access to an additional room going forward so check it out as need be.

Mike-AA0MR
President CHRC

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

11.0/13.5 KW 120/240 V Predator Generator

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

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

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 to arrange a meeting.

Ham Home For Sale - This beautiful home in Sun City West is perfect for amateur radio. The house features one very large bedroom, 1 and 1/2 bath, plus a large radio room. There is also a free standing one bedroom guest house with a kitchenette and bathroom. A 140 foot Glenn Martin tower with a 6 foot concrete base, a C-3 Force 12 rotating beam with hazer to crank down to roof level is included. House was built in 1989 in a Del Webb designated area for antennas.

Contact Flora Rutledge, WA0AAM at 623.975.0023 for more information.

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



SCOTTSDALE HAMFEST

The October 9 Scottsdale hamfest was certainly a success. If you needed a radio or any other electronic equipment, there was a vendor who had it to sell. In fact, a very generous vendor gave me without charge a small package containing a necklace which lighted up. I also appreciated the gesture of Kim, of Roger & Kim Deane of Wired Communications, who was parked across from us. She realized that I was very uncomfortable because the sun was extremely bright and was shining directly in my eyes, so she crossed the lane and loaned me a suitable hat which would block the sun. Thanks again, Kim.

A hamfest such as the one on October 9 in Scottsdale is certainly an ideal experience for a new amateur radio operator. It gives him or her the chance to not only see equipment, but also to meet other hams and learn about amateur radio clubs which he or she might be interested in joining. See the list of upcoming hamfests in this ADAW.

-Lori, WA7EDI

ADAW



**Hanukkah begins at Sundown
November 28th**



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



October is a busy month for hams in Arizona. We are finally seeing the return of hamfests around the state. For our club, October brought the return of our monthly LARC VE testing sessions the first Saturday of each month at the Red Cross Chapter in Phoenix. Candidates can register online at the K7ARC website. There is also an ARRL test session held the last Saturday of the month at the Red Cross sponsored by our friends at the Arizona Amateur Radio Club (AARC). To register for an AARC test session, you should contact Gary Hamman at (602) 996-8148 or by email at ghamman@aol.com.

At our October club meeting we discussed the upcoming ShakeOut exercise. ShakeOut is annual earthquake preparedness event. International ShakeOut Day is always the third Thursday of October. On October 21, our members will participate in simulated earthquake response activities, including sending an exercise earthquake message to the United States Geological Survey (USGS) using a template form that is available in Winlink. We have a link to the official Shakeout page and some additional resources on the announcements page at the K7ARC website.

We encourage anyone interested in learning more about how amateur radio and other technology is used to support the Red Cross to check out our club website at www.k7arc.org. We host weekly nets and various training opportunities, including drills and exercises to help us hone our skills as communicators. You can also stop by and meet some of our members on Saturday mornings at the Red Cross chapter in Phoenix, located at 4747 N 22nd Street between 9:00 a.m. and noon. We have a well-equipped radio room and are always happy to meet with other hams that share a passion for helping our communities in times of need.

Land Ops is a unique ham radio, off-road, and navigation challenge club. We invite you to join our group and experience the teamwork challenges, improve your ham radio skills, improve your off-road driving skills, and learn about GPS navigation in an off-road setting.

As an affiliated club with ARRL, we not only participate in off-road trips, but we also encourage members to provide support to public service events during the year.

Since its inception, most events have taken place in California. For the past several years, Land Ops has set up a mini-op at Quartzfest every January. There is interest in adding some Arizona events to the Land Ops calendar and Land Ops would like to invite Arizona hams to join in the fun at our Desert Nav Comm operation near Cuddeback Dry Lake in California in November. A detailed description of this event can be viewed on our website at <https://landops.wildapricot.org/event-4114490>. Our collection of videos will give you a taste of the Land Ops experience https://www.youtube.com/results?search_query=land+ops

If you would like to attend the California Desert Nav Comm, or just want to know more about Land Ops, we encourage you to attend our next Virtual Base Camp on ZOOM, Tuesday, November 2nd at 7:00 p.m. MST when we will discuss our plans for the Desert Nav Comm and answer any questions you may have. Visit the Land Ops website for details on our upcoming events, including login info for the Virtual Base Camp on ZOOM. We look forward to welcoming you to Land Ops!





Superstition Continued from Previous Column

world-class ham shack out of his previously cluttered workspace.

You can see his article in the October Communicator, found at SuperstitionARC.org, for the full details. – Club's Communicator newsletter for October 2021

Superstition SuperFest Saturday, December 4, Superstition Springs

The 2021 Superstition SuperFest is located at the Superstition Springs shopping center off US 60 and Power Road, Exit 188 in eastern Mesa. The club is selling tickets online at SuperstitionSuperFest.org, at \$2.00 a pop. You need not be present to be eligible to win. The tickets are selling quickly.

The hourly drawing tickets are available at the club booth for a dollar apiece. You must be present at the drawing for these prizes.

Please look for our flyer in this ADAW, and check with the SuperFest website for more info.

Club Nominations for 2022 Officers and Board

We are currently accepting nominations for the Superstition Amateur Radio Club Officer and Board of Director positions for 2022. Nominations close October 28, 2021 at midnight. Please take a moment to nominate a member of the Superstition ARC, in good standing, that you think would be a good fit to advance the club. You may even nominate yourself for a position. – Ed, K7EDT

Members can go online to place nominations. You should have received an email to all members with the full link. If you are a member in good standing and need the link, please send us an email to info@superstitionarc.org. Remember the deadline: October 28 at midnight.

K7AV's Homebrew Ham Shack Table



Dave (K7AV) is our Communicator newsletter Editor. He built this Ham Shack table in his garage, made it easy to disassemble and reassemble for easy transport, and made a

Club Meeting is November 16, 7:00 PM

The Venue is Charles K Luster Building in Mesa. The Door now opens at 6:00 PM. The full meeting address is found on Page 3 under our Member Clubs entry.

Visitors are Welcome and Encouraged to attend. You may also join us on ZOOM from home. Members have been emailed the link, but if you are not getting member email, or you are a visitor, please email the President@SuperstitionARC.org a day in advance for the link.

President's Corner – by Steve, KB7KWK

Hello fellow club members. I hope everyone is doing ok. Wow! I can't believe it is almost Halloween. The days, months, and years seem to be flying by.

The club's hamfest, or as we call it, SuperFest will be here soon. I am sure you have all heard by now, but I will remind everyone again. The Superfest will be held at Superstition Springs Mall in the South parking lot. There is more space here than we had at MCC and therefore, we have more vendors this year.

The hamfest crew and I believe this will be the biggest hamfest ever. I think it may even be the biggest in the state. It is October now and we have sold almost all of the tickets.

We are in need of as many volunteers as possible. It takes quite a crew to set up and run a event of this size. Please sign up to help out on Friday, as well as the day of the event.

We have over 230 members in the club and need your help. The money raised from this event is what helps keep the club going through the year. Even if you could only help for one hour, that would be great. So come out on Friday, December 3rd to help set up, or Saturday December 4th to help at the event.

The next time you hear John, KG7NSP and Matt, K7YEG give them a big thank you. John is the current SuperFest Chairman and Matt is taking over for next year. Great Job guys!

The next upcoming club event is the club camp out at Usery Mountain Park. The club has reserved the Cholla camp site again. This is a large space so we can get several camp trailers and tents into the spot. The club will be there Friday, October 22nd, 23rd, and leaving Sunday the 24th.

There will be a catered dinner on Saturday and there is a cost of \$10 per person. We had great fun the last time we camped out here as a group and it should be great again. I hope a lot of members and their family attend.

Happy Halloween and 73 for now.

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Superstition Continued from Page 16

Club publication Article Submission deadlines:

ADAW: Please submit information to this column by the 5th of this month, for next month's issue, to WB7C@SuperstitionARC.org. ADAW will publish later this month.

Communicator: Please submit articles by the 27th of this month, for next month's issue, to Editor@SuperstitionARC.org. Communicator will publish to club members early next month. 73 – Larry Kuck, WB7C for Superstition ARC's part of this ADAW.

The AOCC Roundup recording has been published at <https://youtu.be/k5p5A8cuguc>.

Make sure you are prepared for the end of the month CQWW CW Contest (Nov 28/28). Spots are coming a little more frequently now so maybe we will see better high band conditions. As a reminder, you can find contest dates and links to rules by looking at www.contestcalendar.com. You can also check to see what dxpeditions will be on for a contest weekend at <https://www.ng3k.com/>.

There are many contests in the month of November. There are two other big ones, the ARRL Sweepstakes CW & SSB on different weekends. These are fun to play in.

Contest Tip this month – If you run assisted in contests learn how to use the Telnet functions so you see the type of spots you want. If you use the VE7CC cluster, you can download his program and set up all the parameters. <https://www.bcdxc.org/ve7cc/>. You can download an excellent VE7CC user guide done by the Spokane DX Association at <https://sdx.org/?p=13563>.

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 Finishes #7 USA in 2021 CQWW160 (CW+SSB) Contests and #1 West Coast with 3,666,706 points from 40 entries. See: <http://mailman.qth.net/pipermail/aocc/2021-July/033315.html>

AOCC Finishes #7 USA in 2021 ARRL DX (CW+SSB) Contests with 20,859,123 from 52 entries <http://mailman.qth.net/pipermail/aocc/2021-October/033765.html>

We welcome all who wish to join the ham contesting/radiosport world.



- **Superstition ARC Repeaters**
- 147.120 MHz(+) 162.2Hz - Linked to 449.600(-)(Analog Only)
- 449.600 MHz(-) 100.0Hz - Linked to 147.120(+)(Analog Only)
- 448.275 MHz (-) 100.0 Hz - Fusion
- WB7TJD-L Echolink Node
- **Club Nets**
- **Morning Drive Time Net:** Mon-Fri, 7:00-8:00 AM - Trivia
- **Saturday Supershow:** Sat, 8:00-9:00 AM - Trivia
- **Weekly 6 Meter Sideband Net:** Wednesdays, 7:00 PM on 50.140 MHz, W7ASL-L EchoLink, and 145.575 FM Simplex
- **Club Net:** Wednesdays, 8:00 PM - Discussion, Elmer Q&A.
- **Mesh Information Net:** Thursdays, 7:00 PM - Net control Steve, KB7KWK
- **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 for the latest information.





CADXA Continued from Previous Column

More info on Bob can be found at: www.heilsound.com/

The October 2021 program was: “Low Band Receive Antennas,” presented by Gary Sutcliffe, W9XT. More info on Gary, his station, projects, and other interests is available at www.w9xt.com

Many of the prior CADXA programs are available for replay at: <https://www.youtube.com/channel/UC9nMKw-3r3ygdLWxsGcqV2A>

CADXA has several year-long on-the-air activities set up similar to CQ’s DX Marathon. This allows members to track their progress working DX against other members, it encourages working the common ones again every year in between chasing the really rare DX entities. Also, someone with a smaller station working lots of casual QSOs might beat out a DXCC Honor Roll guy with a KW and a ton of aluminum in the air. Tune in to our meeting to see this month’s status! Our repeater in Mesa is on the air and open for use with callsign K5VT/R at 147.32+ with 123.0 PL.

In this day and age, clubs may be looking for socially distanced speakers. At CADXA, many of our members have presentations on the world of DXing, QSLing, Contesting, Station Construction and related subjects ready to present to your club. We know how to present via programs like Zoom. Contact us through our website <https://www.cadxa.org/contact.html> or email us at cadxainfo@gmail.com or me at aa4q@arrl.net for details.

See you all on Zoom for the next meeting.

73,
Bill Poole, AA4Q
CADXA President 2021
aa4q@arrl.net

CADXA activated the Late Senator Barry Goldwater’s K7UGA callsign as a special event during one week in October culminating in the AZ QSO Party on 9-Oct. A special certificate will be sent out, see <https://www.azqp.org/>. The multi-op team in the QSO Party racked up over 300 Q’s. We should have an update at the November meeting on that and the individual operations during the week leading up to that.

Due to the ongoing situation with COVID-19, the upcoming meeting will be held virtually using Zoom. **The meeting will be Thursday night, November 4th starting at 7:00 p.m. (0200Z).** If any of you reading this would like to join via Zoom or would like any other information about CADXA, send me an email: aa4q@arrl.net.

Also, if you read about this in ADAW after the meeting date, check our website <https://www.cadxa.org/> for more about the club including the upcoming meeting info!

The November 2021 program will be “The Science of Audio & Beyond,” presented by Dr. Bob Heil, K9EID.

Dr. Bob Heil, K9EID, was first licensed in 1956. Amateur Radio has been the foundation of my careers in the sound reinforcement industry as well as bringing high quality, articulate audio to Amateur Radio. Entering this great hobby during the best sun spot cycle helped me to focus on designing and building one of the first VHF-SSB KW stations. Throughout the years, I have enjoyed designing many antennas, from the 128 element two meter “J” Beam array in 1960, to the latest – phased arrays on 40 & 75 meters. I continue to be very active on the bands. I was the host of Ham Nation for the past nine years, and now have focused on bringing vital information of this great hobby to clubs. Heil Sound is the only manufacturer in the Rock n Roll Hall of Fame.

The current station consists of many pieces of equipment that I have had throughout my wonderful life & career in Amateur Radio. All working, and on the air, daily from the original 1956 Harvey Wells. The 20A I built in 1958, Central Electronics 600L, (no tune 500W linear from 1956), the HT 37 I bought in 1962 & my most treasured Mosley CM-1 receiver that was recently signed by its designer, John Clemens, whom we lost in September of 2018.

The new gear console is actually my station lab where I am able to develop and test new designs of microphones and audio equipment using the latest transceiver technologies.

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ADAW





Mingus Mountain Profile courtesy of Dennis Campbell

Location – Mingus Mountain Black Hills Range Cottonwood, AZ

Discussions of this location began in the fall of 2014 with the site owners. The ARA board approved the site lease in February of 2015 and began the process of application and paperwork. Users probably are unaware of the extensive work done by the technical committee setting up a repeater site.

Significant technical planning is required to avoid conflict with other frequencies at the site. In consultation with the AZ Frequency Coordination Committee the frequency pair proposed was a previously used pair at the old Valley National Bank (Bank One) building in Phoenix. Once approved a review of what frequencies are in use was done to determine the interaction between them and the proposed transmit / receive pair. Next calculations are run to determine how the repeaters will interact with the existing frequencies and what filtering will need to be done to avoid conflicts.

System specifications are decided for radios, duplexers, controllers, antennas, filters, racks and hardware. All have to be compatible. Then items are ordered, received and the whole system is assembled. The rack was built in a board member's garage from existing and new equipment in the spring and summer of 2015. Racks were completed by the end of July. Testing was done locally before deployment. August 1st everything was ready for the installation planned the weekend of August 8 and 9 2015. The crew enjoyed the sun and endured the rain to be successful. Installation spanned two twelve hour days with a crew of eight.

The ARA repeaters became operational @ Mingus Mountain August 9th of 2015.

Latitude / Longitude: 34.701030 -112.117278

Elevation – 7826 ft.

Radios – Four modified Motorola Micor radios and 1 CDM pair.

There are two repeaters operating on Mingus Mountain. The 146.820 – 162.2 repeater is part of the Metrolink system. Auto-patch service is available on the Metrolink system.

The 448.500 – 100.0 is part of the Rimlink system. The radios

Continued Next Column

ARA Continued from Previous Column

can be reconfigured as needed for special use. There is also a control radio for site.

Antennas – A Super Stationmaster is used for the UHF repeater and DB224 for VHF repeater. The antennas are located on top of the 40 ft. tower. Since the site is right on the edge of the mountain, and downhill from the other installations, a tall tower is not necessary.

Power supply - Astron RS-50M

Controller - The radios are all controlled by one Link Communications RLC-3 Repeater Controller which allows all the radios to be interconnected as required.

Redundancy – Battery backup

ARA repeaters - <https://www.w7ara.org/pdf/ARA-Repeater-Map.pdf>
Membership info @ <https://www.w7ara.org/mbr/Membership.aspx>



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10:00 – Noon MST on **ZOOM**

<https://nau.zoom.us/j/84266150924>

Join us for an opportunity to learn more about antennas.

We could use more presenters!

Contact Mike, AG7XQ if you would like to share your knowledge.

928-606-4437

No Reports Received



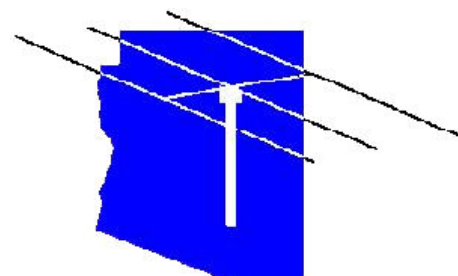
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SHORT SKIP



CHAPTER 16

BARRY M. GOLDWATER ARIZONA CHAPTER



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FTDX101MP | 200W HF/50MHz Transceiver

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FTDX10 | HF/50MHz 100 W SDR Transceiver

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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



FTM-300DR | C4FM/FM 144/430MHz Dual Band

• 50W Reliable Output Power • Real Dual Band Operation (V+V, U+U, V+U, U+V) • 2-inch High-Res Full Color TFT Display • Band Scope • Built-in Bluetooth • WIFES-X Portable Digital Node/Fixed Node with HRI-200



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



FT-818ND | HF/6M/2M/440 All Mode Portable Xcvr

• Ultra-Compact/Portable • Multi-Color Easy to See LCD • 208 Memory Channels/19 Memory Groups • Built-in Electronic Keyer • Internal Battery Operation Capability • Two Antenna Connectors • Built-in High Stability Oscillator ±0.5 ppm



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-3DR C4FM/FM 144/430 MHz Xcvr

• High Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-in Bluetooth Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Simultaneous C4FM/C4FM Standby • Micro SD Card Slot



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 Flashlight, 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



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- PHONE - Toll-free phone hours 9:30AM - 5:30PM
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- FAX - All store locations
- MAIL - All store locations



It's "Hamfest Season" in Arizona. Our great weather is back and it is time to get out and support your local Hamfest. Hamfests are the best way to meet your local ham community and to pick up the one of a kind items that you can't find anywhere else. Stop by our website often to catch all the specials offered to our HRO customers. For your best deals on Ham Radio gear, shop at Ham Radio Outlet in Phoenix.

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