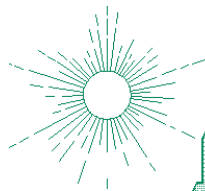


ADAW

10498 Monserrate St
Elk Grove, CA 95757-1765



ADAW

Arizona Desert Aire Waves

Vol 49 No 4

April 2024

CLUB MEETING SCHEDULE

SARC

Apr 3rd - 6:00 PM
Granite Reef Senior Center

AARC

Apr 11th - 7:00 PM
AZ Red Cross Bldg

YARC

Apr 4th - 7:00 PM
Prescott Rodeo Grounds

TBARC

Apr 18th - 7:00 PM
Arizona Christian University

CADXA

Apr 4th - 7:00 PM
Bethany Lutheran Church

ARA

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

MARCA

Apr 16th - 6:00 PM
Denny's Restaurant - Tempe

MARA

Apr 6th - 9:30 AM
Maricopa Public Library

AzRCCC

Apr 9th - 7:00 PM
AZ Red Cross Bldg

SuperstitionARC

Apr 16th - 6:30 PM
Red Mtn Center, East Mesa

ANSR

Apr 18th - 7:30 PM
Via GoToMeeting

OVARC

Apr 19th - 7:00 PM
Pima Comm. College, NW
Campus

ATN (VOAR)

Postponed
www.whereby.com/atn1

CARL

TBD
Arizona Science Center

WVARC

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

AMO

Apr 15th - 7:00 PM
Charles K Luster Bldg

CHRC

Apr 13th - 1:00 PM
Tri-City Baptist Church

NADXA

Apr 2nd - 6:00 PM
Via Zoom

KARC

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

QCWA-AZ Chapter

TBD
Various

SunLife ARC

Every Monday - 10:00 AM
Via Zoom

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. Visitors are welcome.

| | | | |
|----------------|-----------------|--------|--------------|
| President | Gary Hamman | K7GH | 480.216.2665 |
| Vice President | Steve Tolnai | W7WSV | 480.390.4446 |
| Secretary | Randy Gault | KJ7RCN | 480.329.1879 |
| Treasurer | Dave DeBolske | WA7DGY | 480.249.8286 |
| Activities Mgr | Ingrid Geissler | W7ISG | |
| Membership | Dave DeBolske | WA7DGY | 480.249.8286 |

AARC c/o Dave DeBolske, WA7DGY, 2223 W Belmont Ave, #101, Phoenix, AZ 85021. 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 6:00 p.m. in Room 8 at the Granite Reef 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 | Rick Aldom | W7STS | natecf@gmail.com |
| Secretary | Bruce Harmsen | KA9EYX | ka9eyx@scottsdalearc.org |
| Treasurer | Douglas Mitchell | W7ADD | w7add@scottsdalearc.org |
| Past President | Paul Finell | W7EFQ | w7efq@scottsdalearc.org |
| Board Members | Jim Dye | AG7AU | |
| At-Large | Scott Gillins | W2KP | |
| | Bill Kouchis | N9EIV | |
| | Ed Nickerson | WU7S | |
| | Gene Geller | K0VN | |

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

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 | Brandon McWhorter, | KN6SEU | president@w7tbc.org |
| Vice President | Rick Tejera | K7TEJ | k7tej@w7tbc.org |
| Secretary | Don Cox | KK6NVN | bod@w7tbc.org |
| Treasurer | Joe Soublie | KG7COA | treasurer@w7tbc.org |
| Director 2023-24 | Warren Gaspar | KC0GU | bod@w7tbc.org |
| Director 2023-25 | Paul Veltman | W7OFG | bod@w7tbc.org |
| Director 2023-24 | Mike Willmoth | KJ7OPD | bod@w7tbc.org |
| Director 2023-24 | Bruce Kabana | WB7SRC | bod@w7tbc.org |
| Past President | Walter Reinert | NJ8G | nj8g@w7tbc.org |
| Station 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.

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 | Cary Gielniak | K7CFG | president@copahams.org |
| Vice President | Dave Hagan | KK7FWJ | vicepresident@copahams.org |
| Secretary | TBD | | secretary@copahams.org |
| Treasurer | George Hogan | K7TGH | treasurer@copahams.org |
| PIO: | Steve Miller | W6SDM | pio@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

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 | Dave Hoffman | KJ4RS | pres@chandlerhams.org |
| Vice President | Thomas James | KK7KHS | vp@chandlerhams.org |
| Secretary | Charles Fredrick | K5CYA | sec@chandlerhams.org |
| Treasurer | Ralph Arrendondo | K7RNJ | treas@chandlerhams.org |

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

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 | 928.308.1164 |
| Vice President | Tom Griswold | WN7E | |
| Secretary | Bud Winters | N7BUD | |
| Treasurer | Bob Sitterley | K7POF | 928.636.2146 |
| Board Members: | Gary Hamman | K7GH | |
| | Ken Rasback | KK7KEN | |
| | Tom Raczkykowski | N7MMC | |
| | Larry Dorrell | KG7TTD | |
| | Ray Kolman | KI7COM | |
| | Steve Stock | WA0A | |

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 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, 1343 W Broadway in Tempe (Southeast corner of Priest Dr and Broadway Rd - <https://www.w7ara.org/mtg/Meetings.aspx>). 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 | Dennis Bietry, KE7EJF | ke7ejf@w7ara.net |
| Vice-President | Marty Dusenberry, KE7DGP | ke7dgp@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 |
| Brian McCarthy, AK7F | ak7f@w7ara.net |
| Lance Halle, KW7LH | kw7lh@w7ara.net |
| Joe Godfrey, AE7JG | ae7jg@w7ara.net |
| Joe Bakas, KE7WHE | ke7whe@w7ara.net |
| James Wasson, N7ELL | n7ell@w7ara.net |
| Bill Jackson, N9VJW | n9vjw@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: \$20.00/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 6:30 PM: January through June at Red Mountain Multigenerational Center, Rooms 5 & 6, 7550 E Adobe St, East Mesa. VISITORS are Encouraged to attend.

| | | | |
|----------------|----------------|--------|----------------------------|
| President | Steve Estes | KB7KWK | kb7kwk@superstitionarc.org |
| Vice President | David Gardner | KC7MAD | kc7mad@superstitionarc.org |
| Secretary | Scott Simeon | KI7KIM | ki7kim@superstitionarc.org |
| Treasurer | Bryan Hubbard | KF7DPC | kf7dpc@superstitionarc.org |
| Directors: | Brent Butler | W7FK | w7fk@superstitionarc.org |
| | Ed Taggard | K7EDT | k7edt@superstitionarc.org |
| | Matt Churchill | K7YEG | k7yeg@superstitionarc.org |
| | Eve Glantz | W7EVE | w7eve@superstitionarc.org |
| | John Jacques | KD8PC | kd8pcu@superstitionarc.org |
| | Larry Fort | AB7C | ab7c@superstitionarc.org |

Superstition ARC, 5155 E Eagle Dr #21522, Mesa, AZ 85277.
 Web Sites: SuperstitionARC.org & superfest.superstitionarc.org
 For more information, send email to: 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. Denny's, 4403 S Rural Rd in Tempe (SE corner of Rural and US60) and 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.) for 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. MARCA also has a net every Tuesday evening EXCEPT meeting nights at:00 PM on our South Mountain repeater, 443.050 MHz(100.0Hz tone).

| | | | |
|----------------|--------------|--------|--------------|
| President | Ray Vasquez | K4RMV | |
| Vice President | | | |
| 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 have finally returned to hybrid in-person meetings which include online Zoom capabilities. 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. We have a broad range of programs covering many aspects of amateur radio with an emphasis on DX-related. Visitors always welcome in-person or via Zoom. See www.cadxa.org/meetings.html for more information. Contact club president for zoom link.

| | | | |
|-------------------|-----------------|-------|----------------------|
| President | John Jolly | N7NWL | wa7nwl@gmail.com |
| Vice President | Virgil Silhanek | K7VZ | k7vz@arrl.net |
| Secretary | Jim Charboneau | KC1BB | kc1bb.jim@gmail.com |
| Treasurer | Tom Boza | NE7X | ne7x@arrl.net |
| Immed. Past Pres. | Bill Poole | AA4Q | aa4q@arrl.net |
| Directors | Steve Thompson | N7TX | steve.n7tx@gmail.com |
| At-Large | Steve Protas | K7SP | sprotas@juno.com |

CADXA, P.O. Box 24616, Tempe, AZ 85285-4646. Email: wa7nwl@gmail.com. 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.



YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club meets the **FIRST THURSDAY** of every month at 7:00 PM in the Freeman Building at the Prescott Rodeo Grounds located at 840 Rodeo Drive in Prescott (visit web site at www.w7yrc.org for directions and map). YARC is an ARRL Special Service Club dedicated to public service and emergency preparedness. The club serves the quad cities area of Prescott, Prescott Valley, Chino Valley/Paulden, and Dewey/Humboldt.

| | | | |
|----------------|-----------------|--------|--------------------------|
| President | Ray Kolman | KI7COM | 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 | Byron Wilkinson | KK7BFL | kk7bfl@w7yrc.org |
| | Debbie Kolman | KD7COM | kd7com@w7yrc.org |
| | Mike Schnell | NC7X | nc7x@w7yrc.org |
| | Ron Shimek | W7WWB | w7wwb@w7yrc.org |
| Past President | John Snedden | KT7P | kt7p@w7yrc.org |

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

K7ARC 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 | Jerry Quenneville | K1GJQ |
| Treasurer | Saroj Gilber | KM6BQD |
| Past President | Frank Engstrom | KB7IQ |

Arizona Red Cross Communications Club - K7ARC, 4747 N 22nd Street, Phoenix, AZ 85016. Web Site: K7ARC.org Email: info@k7arc.org

NORTHERN ARIZONA DX ASSOCIATION

The Northern Arizona DX Association is a small, but very active club in Flagstaff. We hold our monthly meetings the **FIRST TUESDAY** of each month via ZOOM at 6:00 p.m. MST (01:00 UTC). A ZOOM ragchew is held every Wednesday at 9:00 a.m. Visitors are welcome. Please e-mail president@nadxa.com to receive the ZOOM invite and password.

| | | |
|----------------|-------------------------|-------------------------|
| President | Lou Arminio, W7KFT | president@nadxa.com |
| Vice-President | Bob Wertz, NF7E | vicepresident@nadxa.com |
| Secretary | Keith Schlothman, KR7RK | secretary@nadxa.com |
| Treasurer | Ken Held, W7SS | treasurer@nadxa.com |

Website: www.nadxa.com. If you are interested in joining us, please read through our Bylaws (available on the website) and attend a club meeting or breakfast. A sponsor will be assigned to get you acquainted with our merry band

ADAW Member Clubs

CENTER FOR AMATEUR RADIO LEARNING

The Center for Amateur Radio Learning maintains & operates W7ASC aka "The Harkins Ham Shack." It is open to all who visit Arizona Science Center (ASC) in Downtown Phoenix. The station is located on the third floor of ASC in the "My Digital World" gallery.

ASC is open daily, 10:30 a.m. - 4:00 p.m. The ham shack hours are manned by our volunteer staff who are typically in the shack until at least 2:00 p.m. You can also learn more about CARL by searching our W7ASC callsign on QRZ.com. 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. W

| | | | |
|------------------|--------------------------|-----------------|--------------|
| President | Jack Landon | KD7ROB | 480.759.5195 |
| Sec./Scheduling | Paul Siken | KI7LW | |
| Treasurer | Karen McConaghy | NO7D | 602.799.7338 |
| Station Engineer | Rusty Kinner | WA8ZID | |
| Board Members: | | | |
| | Tom Salt, AD7PM | At Large | |
| | John O'Neal, K7JP | Teacher Packets | |
| | Jerry Quenneville, K1GJQ | ARCA Delegate | |
| | Sam Marshall, N7INV | Scheduling | |

Direct Phone: 602.716.2082

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 Wednesday of the month at 7:00 PM on Zoom. 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 and at 8:00 PM. Please check our website (<https://westvalleyarc.com>) for other events and information.

| | | | |
|--------------------------|----------------|--------|-------------------------|
| President | Bob Runke | AB7RR | cowboybob13@cox.net |
| Vice-President | Josh Cavender | KE7WIL | ke7wil@gmail.com |
| Secretary | April Kramer | KI7GFI | kramer5335@gmail.com |
| Treasurer | | | |
| Directors: | Matt Browning | KK7CKE | matt@echhvac.com |
| | Rolf Nestingen | KG0KM | bignorsk@hotmail.com |
| | Jim Cummins | N7YO | n7yo.jim@gmail.com |
| | Mike Stevens | K7BLT | k7bltmike@gmail.com |
| Committees: | | | |
| Membership | Krissy Larson | KI7GJJ | krissyjlanson@gmail.com |
| Tech Chairman | Jim Cummins | N7YO | |
| Equip. Donations & Sales | George Forsyth | AA7GS | |

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 is a Snowbird Club and meets **EVERY MONDAY** at 10:00 AM from October through the end of April at the Greenfield Village RV Park, 111 S Green field Road in Mesa. We also gather every Thursday morning at Red Mountain Park.

Nets:

DMR Net: Monday at 2:00 UTC, Talk Group 31041
 20 M Net: Monday, Wednesday, & Friday, 14.329 Mhz SSB 19:30 p.m. UTC (18:30 a.m. UTC during daylight savings time).
 10 M Net: Tuesday & Thursday, 28.329 Mhz, SSB. 02:00 UTC. Also cross banded to KD8PC-L and AllStar 51772 on Tuesday nights.
 Venture Out: 2 M Net: Monday, Wednesday, & Friday, 20:00 UTC 146.460 MHz FM simplex

| | | |
|----------------|-----------------------|--------------------------------|
| President | Jim Steinmetz, WX7G | steinmetzjb@aol.com |
| Vice President | Stephen Wagner, W7WHB | w7whb@arrl.net |
| Secretary | Roy Gager, KD7WRC | roygager@mac.com |
| Treasurer | Cheri Goforth, N7WEM | treasurer.sunlifearc@gmail.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. **Board Meetings** are held the second Monday of each month on Zoom at 7:00 PM until approx. 9:00 PM. **General Meetings** are the **THIRD MONDAY** of each month at the Charles K. Luster Building, 640 N Mesa Drive in Mesa (a half mile north of W University Drive, west side of N Mesa Drive) and on Zoom. Doors open at 6:30; meetings are 7:00 PM until approx. 9:00 PM. **AMO Weekly Nets** are held the other Mondays at 7:00 PM on Zoom. If you need the Zoom link, please contact the AMO President at least 2 hours before the meeting at president@arizonamesh.org.

President: Gary Hinton, AC7R president@arizonamesh.org
Vice-President: Steve Estes, KB7KWK vicepresident@arizonamesh.org
Treasurer: Scott Gillins, W2KP treasurer@arizonamesh.org
Secretary: secretary@arizonamesh.org
Board of Directors
Tom Cloonan, NL7FQ n17fq@arizonamesh.org
Michael Bailey, KI7LXY ki7lxy@arizonamesh.org
Charles Whitlatch, W7VF wyvf@arizonamesh.org
Bob Howard, W8RH w8rh@arizonamesh.org
Rod Fritz, WB9KMO wb9kmo@arizonamesh.org

Web Site: <https://arizonamesh.org/> Email: info@arizonamesh.org
DUES: \$25.00 per year. Membership year runs January 1 - December 31.

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.



ORO VALLEY AMATEUR RADIO CLUB

The Oro Valley Amateur Radio Club meets the **THIRD FRIDAY** of each month at 7:00 p.m. at Northwest Campus, Pima Community College, 7600 N Shannon Road in Tucson. (Monthly meetings are live-streamed.) Visitors are welcome. Board Meetings are held the second Tuesday of every month 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: Beverley Hester WB7BEV wb7bev@cox.net
Board Member: Fred Bresani W2HZ w2hz@verizon.net
Board Member: Joe Silvasi KC2J kc2j@arrl.net
Board Member: Wally Wilson W7JCP wally.wilson2011@gmail.com

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/>.

WEST VALLEY HAM SHACK

The West Valley Ham Shack (WVHS) is a non-profit organization dedicated to preserving the history of radio, electronics, and amateur radio. WVHS is in a building with all sorts of facilities and resources for amateur radio and electronics hobbyists. These resources include: a museum, workshop, library, and fully operational radio station. Ham radio and electronics courses are periodically given. Electronic components, radio parts, and test gear are also available, and ham radio exams are conducted monthly. The shack also has an extensive work bench all the trimmings needed for work on equipment and accessories. Lifetime memberships are \$10.00. Drop by to see this wonderful facility.

President: Fred Peters, K7WFP tpeters5227@gmail.com
Vice President: Gary Franklin, K8BKB franklin6209@att.net
Treasurer: Alven Brite, WE7L alvenbrite@gmail.com
Founder: Dick Stout, KE7RD ke7rd@webtv.net
Director: Krissy Larson, KI7GJJ krissyjlarson@gmail.com
Director: Pat Regan, KB7OM kb7om@yahoo.com
Director: Greg Lahaie, K7YDL gregk7ydl@gmail.com
Director: Bob Manning, KF5NOX private
Director: Bill Powell, W9WRP w9wrp@yahoo.com
ADAW Editor: Bill Powell, W9WRP w9wrp@yahoo.com

Web Page: <https://www.westvalleyhamshack.com>. Lifetime membership fee: \$10.00. Address: 11115 W. Nevada Ave, Youngtown, AZ 85363. Phone: (623) 248-5174
Email: westvalleyhamshack@gmail.com



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

ADAW Staff

PUBLISHER/MANAGING EDITOR

Christine Kesauer N7PVL 602.843.0960

AARC EDITOR

Gary Hamman K7GH 480.216.2665

AMO EDITOR

Robert Fridel N3BZ 610.577.6907

ANSR EDITOR

Steve Miller W6SDM 602.290.1603

AOC EDITOR

Mike Fulcher KC7V 480.522.4332

ARA EDITOR

Joe Bakas KE7WHE adaweditor@w7ara.net

ATN EDITOR

Rod Fritz WB9KMO wb9kmo@gmail.com

CADXA EDITOR

Steve Thompson N7TX steven7tx@gmail.com

CAR EDITOR

Sam Marshall N7INV pdlstl@aol.com

CHRC EDITOR

Debbi Smith KJ7MIQ kj7miq@gmail.com

K7ARC-AzRCCC EDITOR

Charlie Zurenko N2TFS chazur@icloud.com

KAR EDITOR

Bobbye Mills KA7MIZ ka7miz@dmbam.com

MARA EDITOR

Cary Gielniak K7CFG cary.gielniak@gmail.com

MARCA EDITOR

Clark Jones KI7TU ki7tu@cox.net

MMRG EDITOR

Bob Sitterley K7POF k7pof@yahoo.com

NADXA EDITOR

Ron Gerlak KG7OH 480.356.3663

OVAR EDITOR

Steve Wood W1SR nauset2222@yahoo.com

QCWA EDITOR

Carl Foster KB7AZ carlfoster@cactuscomm.net

SAR EDITOR

Gene Geller K0VN 612.670.9358

Sunlife EDITOR

Doug Ward K7AEZ dwardusa@gmail.com

SuperstitionARC EDITOR

Larry Kuck WB7C editor@us60.us

TBARC EDITOR

Mark Heroux N1MAE n1mae@arrl.net

WVARC EDITOR

Bob Conlin KJ7JNR tallbob14@gmail.com

WVHSE EDITOR

Bill Powell W9WRP w9wrp@yahoo.com

YARC EDITOR

John Snedden KT7P kt7p19@gmail.com

ADAW EMAIL

adaw@adaw.org

ADAW WEBSITE

ADAW

From the Editor's Desk

Hope everyone got a chance to attend the Scottsdale Springfest. Be sure to check out the DeVry event on the 30th. The Arizona Amateur Radio Club and Arizona Red Cross Communications Club (K7ARC) do an outstanding job presenting this annual event. There will be vendors, tailgaters, prizes, refreshments, seminars and more. The Arizona Repeater Owners Group and the Amateur Radio Council of Arizona will both hold meetings at the hamfest.

The Radio Society of Tucson will hold their Spring Hamfest on April 6 at Calvary Tucson Church in Tucson. There will be the usual vendors and sellers, prizes and snacks. Sellers get shaded spaces at this event which is always a plus. Admission and parking are free. If you're looking for something to do, this is a great way to spend a Saturday morning.

The Prescott Hamfest is also scheduled for April this year. The event will take place on April 20 at Granville Elementary School in Prescott Valley. They open at 8:00 AM and feature tailgating, consignment sales, a Youth products table, Prizes, coffee and donuts and more. Make a weekend get away out of it. Spend Saturday morning perusing the hamfest and visiting with fellow hams, then take all that the Prescott area has to offer.

Arizona Outlaws Contest Club's own Vicki Zumwalt, N6KLS has been elected President of the Young Ladies Radio League (YLRL). This is a great organization supporting the ladies in amateur radio. Vicki has written an article (see page 16) about the group with an invitation to all YL's to join this wonderful organization. If you're a YL interested in meeting other YL's, YLRL is a great place to start.

Enjoy the wonderful spring weather in Arizona. "See" you next month.

73,
Christine, N7PVL

ADAW



April 6 is
Siamese Cat Day!



AOCC Continued from Previous Column

no skimmer SSB spotting capabilities. Be sure to read the rules for other contests. Some allow self spotting, but many do not. It is up to the individual operator to decide whether or not they wish to self spot.

Our members include elite testers 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.

AOCC accomplishments –

AOCC Finishes #6 USA in 2023 CQWW DX Contests (SSB+CW). We are the #1 West Coast club with 73.65 million points from 67 Outlaw entries.

Please visit our website at www.arizonaoutlaws.net. We welcome any radio amateur with an interest in contesting – from cap gun to big gun – to join us.

See www.arizonaoutlaws.net/joinus.html for membership information. We welcome all who wish to join the ham contesting/radiosport world.

Keep posting your scores.

73,
Mike KC7V



Public Service Calendar

Maricopa County Emergency Communications Group Events

| EVENT | LOCATION | DATE |
|----------------------------|------------------------------|------------|
| Zane Grey 50 Mile UltraRun | Mogollon Rim N. of Payson | 04/27/2024 |
| AUXCOMM Class Interest | TBD | 12/31/2024 |
| Comt Class Interest | TBD | 12/31/2024 |
| RADO Class Interest | TBD | 12/31/2024 |

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.

As you all now know, the propagation conditions in the ARRL DX CW Contest may possibly be the best we've ever seen across all bands, at least in my lifetime. Every band provided plenty of countries to work. It was a total blast to be on the air. Superb runs to EU and AS both days. There will be plenty of records broken from this contest. The first day of the ARRL DX SSB contest was good too, but a major storm made the second day a real grind. The low bands, particularly 80 and 160, did not produce much DX. Still, some excellent AOCC scores were put up. The end of March brings WPX SSB, then we slow down with major contests until WPX CW at the end of May.

If you read NCJ, expect to see an article about the founding of AOCC in the May/June issue.

We are looking to make the ladder easier to manage. We will keep all the awards available on the ladder but cut down the number of plaques awarded to seven. We will offer downloadable certificates for the other awards. We will consider an alternative to the ladder and are open to suggestions.

Elections for the 2024-2025 AOCC year will be held in May. Please consider holding a position on the AOCC board. Steve, KJ5T, is our new webmaster taking over from longtime web mom Sandy, N7RQ. Sandy did a brilliant job over the years having developed an awesome website and AOCC logo. We all thank her for the work she did.

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

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 DX contests at <https://www.ng3k.com/>.

Contest Tip this month – The SpotMe macro

About a year ago, the ARRL changed contest rules to allow self spotting in their sponsored contests. N1MM (and other contest loggers) allows self spotting through the use of the SpotMe macro. Use {SpotMe} macro in a function or bandmap button. You must be in run mode. You can only spot yourself on the same frequency every 10 minutes. This also works using Ctrl+P. This is great for SSB contests as there is

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). 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.

April Test Sessions

Apr 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

Apr 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

Apr 6th - Chandler Ham Radio Club -- 10:00 AM

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

Apr 19th - Oro Valley ARC -- 5:30 PM

Pima Community College, 7600 N Shannon Rd,
Bldg A, Room 108, Tucson
Contact - Steven Wood Steve.wood.tucson@gmail.com

Apr 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 at k7arc.org

Apr 20th - MCC ARCKM7CC & East Valley VE Group -- 10:00 AM

Mesa Community College Bldg TC50, 1833 W Southern Ave, Mesa
Contact - Ray Vasquez 602.363.4207

Apr 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 (Click on License Tests)

Apr 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

Apr 6th - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor
Contact Vincent Cattolica 520.591.4576

Apr 23rd - Boy Scout Troop 127 -- 7:00 PM

St Francis Xavier School Common Rm, 4715 N Central Ave, Phoenix
Contact - John Kelly 480.823.8993

Apr 8th - MCC ARCKM7CC & East Valley VE Group -- 6:00 PM

Mesa Community College Bldg TC50, 1833 W Southern Ave, Mesa
Contact - Ray Vasquez 602.363.4207

Apr 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 session

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

Immanuel Presbyterian Church, Witherspoon Hall
252 E 22nd St, Tucson
Contact - Diane Zimmerman 520.664.5070

Apr 27th - Kachina ARC -- 9:00 AM

Taylor/Snowflake Fire Dept, 425 Papermill Rd, Taylor
Contact - Vince Cattolica 520.591.4576

Apr 16th - Green Valley ARC -- 1:30 PM

Green Valley Fire Dept HQ, 1285 W Camino Encanto, Green Valley
Contact - David Bowen 520.526.2104



Hamfest Calendar

6 April 2024 - **Tucson Spring Hamfest** - hosted by the Radio Society of Tucson will be held at Calvary Tucson Church, 8711 E Speedway in Tucson. Hours are 7:00 AM - 11:00 AM with seller set up starting at 6:00 AM. Admission and Parking are Free. Seller/Vendor spaces are \$10.00 per parking space. Seller spaces are shaded. Morning snacks provided by Scout Troop 157 and Pack 705. For map and more information, visit the web site at <http://www.k7rst.org>

20 April 2024 - **Prescott Hamfest** - hosted by the Yavapai Amateur Radio Club will be held at Granville Elementary School, 5250 Stover Drive in Prescott Valley. Hours are 8:00 AM until 12:00 Noon. General Admission is \$5.00 per person. Full time students with student ID and those 16 years and younger are free. Swapfest spaces are \$10.00 each with a maximum of 3 spaces. Pre-registration for spaces is advised - www.prescotthamfest.org. RVs, Campers, and Trailers will not be permitted due to limited space. Sorry - No guns, Drugs, Alcohol, Smoking, Vaping, or Fireworks. Only leashed animals are permitted. visit www.prescotthamfest.org for additional details

4 May 2024 - **Cochise Hamfest** - hosted by the Cochise Amateur Radio Association will be held at the club site, 2756 South Moson Road in Sierra Vista. Gates open at 7:00 AM. Free Admission and Parking. Tailgating - \$5. Inside Table - \$10. VE Testing from 9:00 until 11:30 AM. Coffee, Pastry, and Drinks Available. Hourly Prizes with Main Prize drawing at 12:00 Noon. Talk-In on 146.76(-) Pl 162.2 Hz.

17 - 19 May 2024 - **Dayton Hamvention** - hosted by the Dayton Amateur Radio Association will be held at the Greene County Fairgrounds and Expo Center in Xenia, Ohio. Tickets are available online now. Exhibits, Flea Market, Forums, Activities, Prizes, Presentations and more. The 2024 ARRL National Convention and the 2024 ARRL Youth Rally will be held at the event. Visit hamvention.org for all the details.

20 July 2024 - **Flagstaff Hamfest** - hosted by the Northern Arizona DX Association. Grand Prizes, Hourly Prize Drawings, Tailgating, Lunch On-Site, Presentations, Inside Vendors, VE Exams, 2-Meter Talk-In. Watch for more details. For more information, visit the website at FlagstaffHamfest.org or NADXA.com/Events/Hamfest.org. Or send an email to: President@NADXA.com

5 October 2024 - **TARA Swapfest** - hosted by the Tonto Amateur Radio Club will be held at the Ponderosa Bible Church, 1800 Beeline Highway in Payson. Hours are 8:00 AM until Noon. A Social BBQ/Potluck will follow the event. Contact Rick Lovdahl at rick.lovdahl@gmail.com for more information.

5 October 2024 - **RST Fall Hamfest** - hosted by the Radio Society of Tucson. Watch for more details.

2 November 2024 - **HARKfest** - hosted by the Hassayampa Amateur Radio Klub (HARK) will be held at Redeemer Lutheran Church Annex, 470 Rose Lane in Wickenburg. Hours are 8:00 AM until Noon. Watch for more details.

7 December 2024 - **Superstition Superfest** - hosted by the Superstition Amateur Radio Club will be held at Mesa Community College, US60 & Dobson Rd in Mesa. Hours are 7:00 AM until 2:00 PM. Watch for more details.

ADAW

ADAW



April 1st



WEST VALLEY HAM SHACK

The WVHS auction of many pieces of Hallicrafters gear is now over, but as of this writing we are still in the final stages of planning for & conducting the event. More than 180 items were up for sale, and almost all of them desirable Hallicrafters pieces. Most likely we will have lots which do not sell during the auction, so a catalog is probably going to be available after the event. If you are interested in vintage gear, keep an eye on our website at <https://www.westvalleyhamshack.com> for additional information about gear that is still available.



Fewer classes were scheduled during the auction planning period, but classes will pick up again in April. Some new classes are planned to include one on electronic theory addressing sub-element G5 General Class license test topics. Another class that will be available soon is for General Class license test preparation addressing sub-element G6, circuit components. Several other Shack classes are listed on the WVHS website.

Another of the capabilities of the Shack you may find helpful is the complete amateur station, which is available for members to use. HF through 6 meters is up and running. You can even bring your own rig and hook up to our antenna and see how it performs, or maybe get some help with the operation. Our hex beam antenna is working very well.

Continued Next Column

WVHS Continued from Previous Column

And don't forget the other features of our facility: a museum, library, parts galore, test equipment, work bench, and help with repairs and restorations. If you would like to donate to the club, it would be wonderful. Any equipment or monetary donations will be put to good use. All for \$10! A lifetime membership.

We are still on winter hours, Tuesday through Saturday, noon to 4pm. A monitor is available during these hours and can help you with questions, membership, a tour, or conversation. Drop by and check it out. Visitors are welcome, and you don't have to be a ham.

On April 20, a VE Testing session will be held from 1:00 – 3:00 p.m. Call David Morrill at 623-680-5011 to preregister for your exam. Other events will be scheduled between now and then, so visit the Calendar of Events page on the website to see what is coming up.

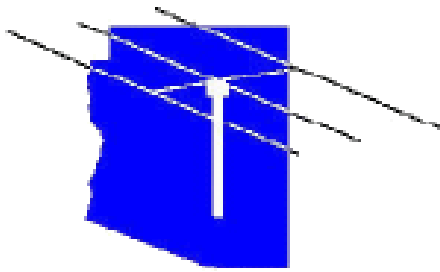
By the time this is published the club repeater, WV7HS should be back up and operational. It is in the NW Valley a little north of Surprise. 441.775+/100.0 Hz

73, Bill Powell, W9WRP

ADAW



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MARCA INC.

A reminder to be sure to ALWAYS check our website www.w7mot.org for updates to meeting places AND dates!

Our meetings are normally the third Tuesday of the month and everyone is welcome to join us. We meet at Denny's Restaurant, 4403 S Rural Rd, Tempe, AZ 85282 which is at the southeast corner of Rural Rd and U.S. 60. Or see our website for attending via Zoom. The meeting begins at 6:30 PM MST, usually preceded at 5:00 PM by a test session. (Please register in advance if you wish to take a test so that we can assure that we have at least the minimum number of VEs present.)

Our February meeting was held at the usual time, date, and location. The speaker for the meeting was your humble reporter, Clark Jones, KI7TU. I gave a presentation entitled "From DC to Daylight and Beyond: Using the spectrum to explore deep space." It was based mostly on information gleaned from a NASA document I happened to come across, plus some things from other sources.

As usual, we held an exam session before the February meeting, and had three candidates. All three earned their Technician Class licenses.

In the business portion of the meeting, we learned that Woods Canyon Lake would not be available for Field Day weekend, so we'll be going back to Gentry Lookout Tower. We also decided that we should try again for Woods Canyon Lake for 2025.

A reminder that we are having a net on our 443.050 MHz repeater (100.0 Hz tone) at 8:00 PM on the Tuesday nights that we are not having a meeting. This repeater is located on South Mountain, so provides good coverage for most of the Valley.

Please remember to check our website www.W7MOT.org for details on signing up for our monthly exam sessions, or to attend the meeting via Zoom, and to confirm the date and place of the meeting. (We do encourage people to show up in person and join us for supper it helps keep the restaurant happy!)

One last note: my arm has been twisted to give an encore of my presentation on the Apollo Guidance System at our May meeting. It's basically the same as I gave at the November 2022 meeting.

Clark Jones, KI7TU



Welcome to Darren – WB1LOV as a new OVARC Director. We now have a full complement of Directors with all nine seats occupied. I am grateful for the support of the club.

The rains seem to be following our events. On Wednesday, February 28th, we had a table event setup at The Pima Community College. The rains kept us inside, but Gerry-KK7HTF managed to capture the attention of a number of students. Add that to all of the other member conversations going on and that added up to a great event. Thanks, Gerry, for doing all the heavy lifting.

The rains followed us to our next event at The Leman Academy of Excellence in Marana on March 7th. This was their annual STEM night so the turnout was excellent. We operated outside under a canopy. We were dry, but rains kept coming. Thanks to Darren – WB1LOV, Gerry-KK7HTF, George – W8VG, Don – KA2IYU, Bev-WB7BEV, Ralph-KC7QXD, David – AK2L and Rod – KK7QPA for getting everything organized and interacting with the students.

We are looking forward to participating in a few events with the Boy Scouts including their upcoming Camperece.

Wally – W7JCP did a great job organizing our latest club outing at Brandi Fenton Park. We had a few stations on the air and had two foxes going, too. Once again, spectacular food thanks to Wally – W7JCP and Joe – KC2J. Thanks to Walt-AL7KE and Joe-KC2J for getting the fox hunts going. Happy to see everyone that attended: Fred – W2HZ, Bev – WB7BEV, David – AK2L, Gerry – KK7HTF, Joe – KC2J, Wally – W7JCP, Don – KA2IYU, Bob – W7BV, Walt – AL7KE, Francisco – KO7JOT, Jim – K7OHK, Hal – W7BEV, and Paul – KI7HLO.

We are planning for Hamvention and Field Day coming up soon. Stay Well! Drive Safe and get on the air when you can.

73, Steve – W1SR





YARC Continued Previous Column

note your location and try to pinpoint the area the smoke is coming from. Absent GPS info, known landmarks are a great way to provide the fire services with a location to head toward. Take the time and make the effort when you are out and about.

So, all you need to be a part of the early warning system is your radio and your observation skills. Not just limited to fire and smoke, be an active participant in your daily activities. Look up and out from the cell phone once in a while, do the 180-degree eye scan, use your listening skills you have honed as a radio operator, take a breath, and take a look. If you see something, then say something! Be a participant and not just someone who hopes somebody else calls it in.

Hope to see you at the Prescott Hamfest on April 20th! Tailgate party, consignment booth, satellite contact demos, hourly prizes and great grand prizes. Tailgate spaces, grand prize tickets, VE testing, admission, and information all available on the website, www.w7yrc.org or prescottamfest.com. Stop by and shop, we will be done by Noon, then check out the area, grab a bite to eat, plenty of SOTA and POTA spots to play in, even a lake of two to walk around. Come early and leave late!

Be Radio Active!

73,
W7YRC

So what time is it really? It seems a few places in the country have figured out that Mother Nature knows how to move the sun across the sky to match the seasons. In days of old, it may have been cheaper to change the time the sun sets versus lighting lamps and using oil as fuel to light the dark. Now days, with “global warming” it is much more expensive to run the AC because the days are warmer. . . . And you have the sun setting later, so even more expensive. The politicians are pushing the permanent change to Daylight Savings as environmentally friendly. They are so old they forgot they did that back in the 70’s for a two-year trial period. After the first Winter, they returned to the change-twice-a-year because it was so dark in the Winter mornings, lights were on everywhere! Only in DC can you continue to do the same thing that fails over and over again, expecting different results. Must be getting close to election time. We are still a -7.00 hours UTC here in AZ.

So, Springtime is here and for us in the Central Highlands that means fire season time is also here. Along with the Public Service events we have in April, May, and June, we also have the beginning of fire season. Yes, we have had last minute changes in our events due to fires and have been able to work with all the concerned agencies and still safely pull off the events. The saying, “If you see something, say something” comes into play and as ham radio operators, so do you. The Forest Service uses satellites, drones, infra-red cameras, planes, helicopters, and even real live humans to spot fires and report. Other than the real live humans, most of the methods rely on some sort of heat or temperature change to set the warning system in motion. Sometimes that means the fire already has a 50-plus acre start before the fire authorities are even notified. On the other hand, or view, the real live humans are able to spot smoke as that fire begins, pinpoint the location by either GPS or known landmarks, and the warning system begins about 49 acres earlier. That short time is the difference between containment by the local agencies or a long-term surround the fire Type 1 National Team taking over.

What does that have to do with Ham Radio and you? Observing and reporting to start with. We have operators almost every day doing SOTA, POTA, hiking, biking, walking the dog, camping, boating, flying drones, or ATVing. Take the time to look around and check out your surroundings, the people, the weather, the sounds, even the animals all will give you clues that something is amiss. If you do observe smoke,

Continued Next Column

ADAW

Administrative Professionals Day





AMATEUR RADIO SERVICE DEMONSTRATION STATION

CARL volunteers get to introduce school groups and families to amateur radio every day in the Arizona Science Center. Essentially, CARL is a youth recruitment department for all the other clubs in ARCA. We focus on people, not radios. So don't expect this monthly report to sound like the rest.

CARL Supports "Misfits"

C.A.R.L. believes that when young people with the "knack" for technology discover what they can do with ham radio, it opens their minds to opportunities they'd never considered before. Whereas they may have felt like misfits among their peers, they are perfect fits for science, technology, engineering, and math (STEM) fields. A ham license can help them pursue STEM. It's not the radio itself, but the technical challenge and the ham community that can help and encourage the young person to learn and grow. Many of us have already followed that same path to rewarding careers. So, C.A.R.L. is dedicated to helping those young "misfits" find their rightful places in life, too.

Since C.A.R.L. is all about the human side of ham radio, we love to share stories of people's lives improved by radio. This month, we at W7ASC bring you the second installment of "A Vintage Ham Story," a young boy's tale of discovery and his fumbling steps to find his rightful place in life.

Last month, young Sam (a fictional but "true-ish" character cooked up by the W7ASC creative writing lab, not yours truly) got CB walkie-talkies for Christmas. This month, he explores the freedom and adventure they offer. Sam's story might even resemble your own – or maybe your grandfather's – origin story. So, for your reading pleasure...

A VINTAGE HAM STORY

A Radioactive Neighborhood

A radio in hand without another radio in someone else's hand was pretty useless. And boring. Two walkie-talkie radios in the same hands were about as useless except for a two-second test to make sure they both worked. Besides, when you pressed the transmit button on one, the other one squealed like a scalded cat. "Feedback," they called it. Tests completed, Sam set out to find a friend and put a radio in his hands.

Christmas day was full of kids roaming the neighborhood, sharing and comparing their Christmas gifts with friends. Bicycles, games, and sports balls of every variety made the rounds up and down the street. All those shiny new toys were

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CARL Continued from Previous Column

more fun when other kids played with them with you.

Sam joined that circus of neighborhood kids. He looked for one of his friends to take a walkie-talkie. Kent, a boy his age, was too wrapped up in his own treasures to be interested in something as nerdy as walkie-talkies. Undaunted, Sam walked down to see Johnny, another boy his age. Johnny was just as star struck by his own Christmas haul, but Sam tried.

"Look what I got," said Sam. "Real walkie-talkie radios. You want to play with them?" Johnny's eyes lit up. Sam had found his radio partner.

Sam taught Johnny how to use the walkie-talkie. You'd think it was simple, but it was not obvious for someone who had never used one before. Sam had all of one hour's more experience than Johnny, so the blind really was leading the blind.

The walkie-talkies were on a Citizen's Band (CB) channel. That meant the antennas were long and had to be extended before use. The telescoping antenna fit compactly inside the walkie-talkie when retracted, but stretched out like a fishing pole when extended. It was real easy to bend and break it, so you had to be careful.



They went over how to turn the walkie-talkies on and set the volume.

Sam explained, "It's easy to accidentally turn the radio off. That's boneheaded. But if your volume is too low, it's even worse. You can talk but can't hear. That's like an alligator – all mouth, no ears. And we know how much fun alligators are to play with, right?" (Sam's mom was right. MAD Magazine clearly was rotting his brain.)

Sam went on to explain that walkie-talkies weren't like a telephone. "The other person can't hear you while he's speaking. You can't interrupt him. So we have to take turns talking. And remember to end each transmission with the word 'Over'."

Sam and Johnny learned as they went by trial and error. Lots of trial. Lots of error. But they learned.

Sam and Johnny wonder at the blue button on the front that sent Morse code beeps over the air. Beside the button was a tiny table of the dot-dash Morse code alphabet. That looked cool, but they would worry about that later.

And away they walked in opposite directions. They wanted to know how far they could talk. Farther and farther they

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walked, into the next neighborhoods in both directions. It was impressive range for a couple 11-year-old boys! Their signals grew weak, they'd learned the limits of their range, so they walked back to Johnny's.

Real radiomen used terms like "10-4," "Roger," and "Over and out." The boys played with all the radio jargon they'd ever heard on TV and the movies. They made jokes and horsed around.

"Hey Johnny. Can you read me now? Over."

"No. Over." (Giggle, giggle!)

They were young boys, after all. It didn't really matter what they said. They were talking on radios. They didn't need anyone's permission, no adults to supervise them, and they couldn't really hurt anything besides snapping off those spindly antennas. That was a lot of freedom in an 11-year-old's hands.

And just like that, the neighborhood became radio active. The boys were free of the coiled wires that tied everyone else to their home telephones. They could talk to one another from anywhere in the neighborhood. Even though the girls laughed and called them names, and the grownups just shook their heads, Sam and Johnny were pioneering a technology that one day even girls and grownups would want. They would call them cell phones.

New CARL Volunteer

CARL welcomes a new volunteer to help us at the Harkins Ham Shack! Dustin K7DTD has joined CARL as a W7ASC volunteer this month. He plans on volunteering Saturdays when his schedule allows. Thanks for joining us Dustin!

More Volunteers Needed!

CARL needs new volunteers to allow us to reach more Arizona Science Center visitors to help create an interest in ham radio & its associated technologies. We would love to hear from you if you want to help us with our ham radio & STEM outreach mission.

If you want to share your love of amateur radio with the interested & inquisitive visitors to the Arizona Science Center, then please join the Center for Amateur Radio Learning as a volunteer at W7ASC. You can also learn more about CARL by searching on our W7ASC callsign on qrz.com. On our QRZ page, you will find a link to an application to volunteer at the Arizona Science Center (be sure to note on the application that you want to volunteer at the ham shack). You can also learn more by contacting your editor Sam N7INV at w7asc.sked@gmail.com or by contacting CARL's president Jack KD7ROB at jacklondon17@gmail.com.

73 de N7INV Sam
w7asc.sked@gmail.com

Membership

<https://www.w7ara.org/rcu/welcome.aspx>

You can join the ARA to support these open repeaters! Membership is \$20 per year. Membership information is available at <https://www.w7ara.org/mbr/Membership.aspx> or email membership@w7ara.net

General Meeting Programs

Join us at our next General Meeting in person or virtually. ARA general meetings are held on the fourth Thursday of the month. Our in-person meeting is at the Denny's at Priest and Broadway in Tempe. If you can't join us in person, our ARA virtual meeting is the next best thing to being there without the food. Follow the link for more details.

<https://www.w7ara.org/mtg/Meetings.aspx>

March 2024 - Clark KI7TU will be presenting "DC to Daylight and Beyond! Using the spectrum to explore deep space." Some tidbits from NASA and elsewhere.

Tech Committee

Greens Peak

The VHF antenna was determined to be damaged on a previous site visit. A VHF Super Stationmaster Omni antenna will replace the existing antenna when the weather permits access to the site. The repeaters remain operational.

Scottsdale Air Park

This location remains off link to Metrolink while the tech committee continues to work to restore functionality. The VHF radio remains operational in standalone mode. Investigation has determined the link radio is working. The antenna and feedline for the link radio will be inspected on the next visit.

Shaw Butte

The tech committee will be conducting a load test of the backup battery.

White Tanks

The UHF radio is working normally at this time. The tech committee continues to monitor reports of intermittent noise on the 442.275 repeater linked to Northlink.

ARA UPDATED Repeater Frequency list and Repeater maps - https://www.w7ara.org/mbk/ARA_Frequencies.pdf
<https://www.w7ara.org/mbk/>



2024 YLRL's 85th Anniversary Year



33 - Love sealed with friendship between one YL and another YL

Young Ladies Relay League

Are you a lady ham? Do you know one? All female hams should consider joining the international Young Ladies Relay League. Vicki Zumwalt, N6KLS; Trustee of Northern Arizona Digital Repeater System (W7KDS), past President and now Board Member of the Hualapai Amateur Radio Club (WB6RER) and now president of the YLRL, sends the following message:

“As the President of the Young Ladies Relay League, I invite you, and all other women to join us in supporting other women in our service/hobby. It is a wonderful opportunity to be with other women of like minds. \$15.00 a year is a small amount and goes towards our YLHarmonics sent electronically. We support 3 scholarships distributed through the Foundation of Amateur Radio (FAR) for women hams. I hope to see YL's at the ARRL Rocky Mountain Division Convention (<https://www.hamconzion.com/>) St. George, Utah, in July, where the YLRL is celebrating 85 years! Check us out at (<https://ylrl.net/>) for more information.”

For those unable to join in person at YLRL events, we are also hosting Zoom District meetings as well as Echolink nets.

Vicki Zumwalt - 33, N6KLS
Young Ladies Radio League President (2024-2026)
president@ylrl.com
(925) 322-0417



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.

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: George Forsyth, AA7GS - aa7gs1@gmail.com

Wanted

Looking for a set of "Spider" antennas. Contact John, K2AOP at k2aop@arrl.net or k2aop.7@gmail.com or by text to 480.991.0124





SunLife ARC Continued from Previous Column

Amateur Radio. We can have some very creative setups and Homebrew Designs that inspire us all. We finish up with Radio at High Noon and it is time to eat. This year we had about 60 Hams attended and enjoyed a very nice BBQ lunch.

Have a great day and 73!
Doug – K7AEZ Sunlife Editor

Sunlife ARC Snowbird Field Day



Terry Ryan's
Celebration of Life
January 13, 2024

Pancake Breakfast

On February 1, 2024, Dave Gardner – KC7MAD, brought his portable kitchen to the park and cooked a wonderful Pancakes and Sausage Breakfast for us. We all met at in the Falcon Ramada in Red Mountain Park. We had about 35 Hams that came. Thank You Dave. We are so great full to you for making us those great pancakes



Charlie Brown – NJ7V

At the Sunlife meeting on February 5, 2024, our guest speaker was Charlie Brown – NJ7V. He has a real passion for Portable Ham Radio and is consistently activating on Summits on the Air (SOTA) and Parks on the Air (POTA). Charlie also does equipment reviews and gives tips on Morse code. He showed us images of the Desert Southwest scenery and views that were specular. Charlie also shared detailed stories of good and bad experiences with the weather and wildlife. You can see Charlie on his YouTube Channel “Red Summit RF” and see him in action. Charlie is a famous Ham Radio celebrity here in the desert southwest and we were honored to have him.



Snowbird Field Day – February 28, 2024

It is a long time Sunlife tradition. What is it? Well every year we always start Ham Radio Classes in January and testing is in the third week of February. And we have a few new Hams! So, on the forth Wednesday in February we have Snowbird Field Day. It is similar to the ARRL Field Day. We set up several Amateur Radio Stations in the early morning and get on the air. It is a great way for new Hams to make their first contact, after just receiving their license the week before. For the experienced Hams, it is a time to help others get started in



Continued Next Column



President - Dave Hoffman KJ4RS
 Vice President - Thomas James KK7KHS
 Treasurer - Ralph Arrendondo KK7RNJ
 Secretary - Charles Frederick K5CYA
 Member at Large - Dave Nolan N0NNN
 Member at Large - Matt Fiscus KK7MNZ
 Member at large - John Calkins KK7MTH

In January, the CHRC inducted their new board members. All the board members are new, except for the club President. This is Dave KJ4RS's second term as president.

The CHRS also participated in its first Winter Field Day. We set up in Tumbleweek Park and did a 6-hour activation. We have already started making plans for the 2025 WFD where we will operate the full 24-hour period.

Our VE Testing team conducted testing in January, February, and March. We tested a total of 32 people of which 21 are new Ham operators.

The CHRC now has a multi mode digital reflector. It can handle YSF, D-Star, DMR, M17, P25, and TGIF talk group. We conduct a digital net on Tuesdays at 7:00 p.m. Everbody with a hotspot is welcome to join us. <https://urf847.kk7mnz.com/>

In February, the club sponsored a 10m Wire J-Pole antenna build with a presentation. One of the club members, who bought and assembled on the the antenna kits, was able to make his FIRST HF contact with the antenna.

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

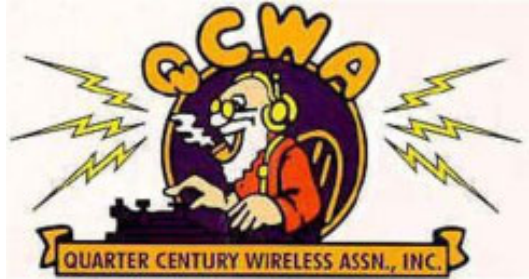
SuperARC Merchandise Store
<https://superARC.big3creative.com>

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.



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



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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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Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control

FT-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



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Manager Ron AJ7T, Mike K7DD, Bob W8RH, Richard K1RAB, Ira A17HC, Paul N0RWW, and Jim KE7EU.