



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 37 – No. 3 — March 2022

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	March 3, 2022 Thursday	1900 MST 7 p.m.	Prescott Rodeo Grounds	Club Website
YARC Breakfast	March 17, 2022 Thursday	0800 MST 8 a.m.	Backburner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Transmitter Hunt	March 6, 2022 Sunday	1300 MST 1 p.m.	OneAZ Credit Union parking lot, Gail Gardner Way & Willow Creek Rd., Prescott	Pete K6VVR or John WB9VGJ
General Meeting Program — See page 4.				
Public Service Events — See page 5.				
Amateur Radio License Testing — See page 5.				

YARC:	Badges	Patches	Shirts
Features:	Name & Call	Club Name & Logo	With or Without Name & Call
Contact Person(s):	Sam Prather K7SCP	Sam Prather K7SCP	Pete Morrison K6VVR
Cost:	\$13.00 each	\$6.00 each	Without Name & Call \$20.00 — With Name & Call \$24.00 each

Club Website Registration
In order to receive the <u>Signal</u> (the club's official newsletter), you must be a member of the club. Make sure your email is correct by logging into our website (www.w7yrc.org), then clicking on the member tab and viewing your profile.

Welcome to the Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliate Special Service Club. The club participates in many activities in the quad-city (Prescott, Prescott Valley, Chino Valley, and Dewey-Humboldt) area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community.

Membership in YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00 per year (full-time students \$15). YARC general meetings are usually at 1900 MST (7 p.m.) on the first Thursday of every month at the Danny Freeman Building, Prescott Rodeo Grounds, 840 Rodeo Drive in Prescott

www.w7yrc.org

YAVAPAI AMATEUR RADIO CLUB – PO BOX 11994 – PRESCOTT AZ 86304-1994

Club Nets

Band	Mode	Frequency	PL	Day or Night	Time
2M 70cm	FM	146.880 MHz 447.650 MHz	- 100.0 Hz	Mon. through Fri.	1300 MST 1 p.m.
2M 70cm	FM	146.880 MHz 447.650 MHz	- 100.0 Hz	Wednesday	1900 MST 7 p.m.
6M	FM	52.060 MHz / I 52.560 MHz / O	- 100.0 Hz	Friday	1830 MST 6:30 p.m.
10M	SSB (USB)	28.444 MHz +/- QRM	N/A	Thursday	2000 MST 8 p.m.
2M 70cm	FM	146.880 MHz 447.650 MHz	- 100.0 Hz	Saturday	0900 MST 9 a.m.

Yavapai County ARES/RACES Nets

2M	FM	147.260 MHz	+103.5 Hz	Monday	1830 MST 6:30 p.m.
2M	FM	145.290 MHz	-127.3 Hz	Monday	1900 MST 7 p.m.

Submission Deadline for the Yavapai Signal

from editor Loren Singh, AE7CG

The usual deadline for submission of articles and photos to appear in the Yavapai Signal is the 18th calendar day of each month. That gives me time to edit and format submissions, and to have the newsletter available for distribution to the club membership by the 20th calendar day of each month. The aim is to have the newsletter in the hands of club members approximately 10 days or so before the holding of the general meetings on the first Thursday of each month.

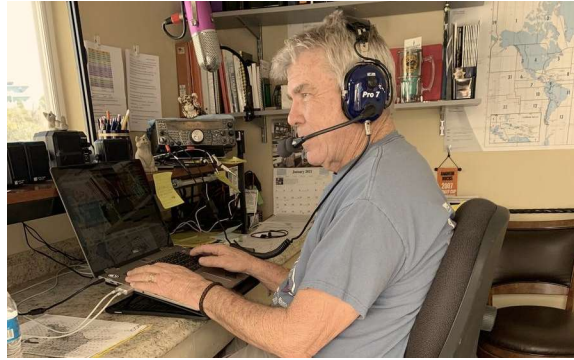
ae7cg@arrl.net

Share Your Surplus Items

Bring any ham related surplus items that you no longer need to the next club meeting. There will be a table at the meeting where your items can be placed. Let your fellow club member take those things that they want. The table will be available at each monthly meeting.

Canned Food Donations

Bring your non-perishable food items to the monthly club meetings and Terry Pemberton KB7TRE will take them to the local food bank. Give your bagged items to Terry.



From the President's Desk by John Snedden, KT7P

March is upon us already? Did I miss the winter months? Or was it just winter I missed? We made two trips up Mt. Union in January and February and pretty much drove right to the top of the highest peak in Yavapai County. One trip resulted in numerous SOTA contacts on handhelds! March also brings the start of Spring, the longer and warmer days, the juniper pollen floating through the air causing havoc and S9+ sneeze levels, and my favorite..... watching the world spring ahead! Arizona certainly has it right and letting Mother Nature extend the days by minutes instead of jumping 60 days ahead at 0200 hours makes a lot more sense. The reasons for DST no longer exist and it does not make any more daylight by moving into another time zone. Just makes for more grumpy and confused people.

For YARC, this seems to be the coming-out-of-hibernation month. Meeting attendance picks up as the days get longer and warmer, testing and upgrades increase as Technicians want some HF privileges and Generals want to get in the areas they stepped into during contests (out of band!) and newbies want to take that first step so they can explore all the new digital modes and talk around the world on a handheld. The snowbirds head back to Canada, Washington, Idaho, Montana, Michigan... you know, all the places where it either rains all winter or stays in the single digits for the highs. The trails and roads in the forest open back up for the locals to explore and play radio in. Best of all, the public service events begin their return!

Our last meeting focused on how you can participate and the benefits of being a participant in the events. This is the month to get ready for those events and test out your equipment, attend hamfests and grab any needed supplies, put in an Elmer request for a site survey or install a bigger, badder, better receive system, replace the "rubber ducky" on your HT with a higher gain one, or add a speaker/mic to it. Jump in on the many nets we have and get comfortable with the push-then-talk and release-to- listen button, write down call signs when you hear them for practice, make the connection with name and call so they become familiar to you, you can even talk to yourself and the invisible friend that you had back in grade school!

The object is to be comfortable with your equipment and how it works and if it doesn't work to be able to make it work. Things like, the battery charged and connected, antenna on and not blocked by your body, mic plugged all the way in, and most important, is the volume turned up? Even just listening is a big plus. Just turn it on and listen to others, the call signs, the rhythm of speech, the pauses, the terminology, their location to you or the repeater, and the sound coming from the radio.

Just play radio! Put a smile in your voice and play radio. Make your day a fun one and enjoy!

Stay safe, be healthy, and be radio active!



Meeting Minutes

By decision of the board of directors, minutes of the board and general meeting minutes will no longer appear in the Yavapai Signal. They are posted online at the club's website.

www.w7yrc.org → Members → Login → Reports

|
→ Board Minutes
→ Club Minutes

Mentor Buddies — Revised April 7, 2021

Name	Call Sign	E-mail	Telephone
Don Bauer	W7TPH	dbauer2250@aol.com	928.775.4690
Art Protas	KG6AY	kg6ay.dm34@gmail.com	928.227.2954
Jerry Warzeha	KØFC	jerry.warzeha@hotmail.com	612.205.3810
Bill Noe	WG7W	wg7w@arrl.net	928.710.6925
Mike Belanger	W1DGL	fix_broke_airplanes@hotmail.com	928.710.2565
Ron Purcell	KI7EVK	728rwp@gmail.com	707.849.7099
Jack Szelka	A11K	radioaik@gmail.com	401.580.0330
Mike Reid	WU7V	mdr126@gmail.com	480.250.6093
Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com	928.660.8323

Upcoming General Meeting Programs, 2022

by Mike Reid, WU7V

Month:

March
April
May
June

Program:

“Prescott Hamfest: Arizona Has Been Waiting for Us to Return”
 “ARRL Review: with Rick Paquette, W7RAP”
 “ARES/RACES: What Is It?”
 “ARRL Field Day: It Will Be a Fun Event”

For Sale: MA-40 Crank-up Tubular Towers

- Base Kit for MA-40
- All items new and in original packages, includes Manual and additional information
- 40 feet high when fully extended, 22 feet when fully cranked down
- Buyer must provide own transportation

Asking \$2000.00 or less — negotiable

Contact: Ken WA6AQK, 928.778.7490
dancingken27@gmail.com

YARC Team Removes Tower at Old Prescott City Hall Building — January 22, 2022

by Jim Zimmerman, N6KZ

Upon the request of Bud Semon N7CW, the Yavapai County ARES/RACES Chief, the team removed the W-51 crank-up tower and its associated antennas from the old Prescott City Hall site. This tower will be sold and the funds will benefit the Friends of Yavapai County ARES/RACES (FOYCAR). This effort was supported by the following members: KT7P, N6KZ, KG6AY, N5MB, K8FB, and KB6BOB. Non YARC member support was also provided by Ray Benny N6VR, who provided and towed the car trailer used to move the W-51 to the Jeep Posse grounds for temporary storage.

A four bay colinear vertical antenna recovered in this effort was analyzed to operate on 142-155 MHz, making it well suited for ham usage (either YARC or ARES/RACES). It is currently stored behind the Club storage shed.

Upcoming License Testing by Don Bauer, WB7TPH						
Date	City	Location	Time	Sponsor	Contact	Walk-in
03/01/22	Prescott	Prescott Christian Church, 501 S. Senator Hwy	1800 MST 6 PM	ARRL Ham Exams	Jim Scherfling 928.632.2050	No

Public Service Events — Spring 2022

The following are the public service events that YARC is supporting this spring. These events are in beautiful venues in the Prescott and Yarnell areas. If you are a new ham or inexperienced, we will team you up with someone experienced. If you have at least a two meter handheld transceiver, you are all set.

April 23, 2022 — Whiskey Basin Trail Run

This is a two day event, but we are currently only planning on supporting the April 23 date.
Contact Don Sears N7PLL (donsears@zoho.com).

April 29, 30 and May 1, 2022 — Whiskey Off road Bike Event

This is our premier public service event of the year and we need many volunteers to support it.
Contact Frank Bender K8FB (fnb47@hotmail.com).

May 7, 2022 — Groom Creek Mountain Mayhem

Contact Frank Bender K8FB (fnb47@hotmail.com).

June 4, 2022 — Yarnell Memorial Run

Contact Doug Jarmuth NØDAJ (n0daj1950@gmail.com).

You can find the calendar of public service events on the YARC web site at <http://www.w7yrc.org/public-service-events/>. We look forward to your participation in the club's public service events in 2022.

Public Service Waiver Form, 2022

It is time to complete your Public Service Events Waiver Form for 2022. Go to <https://www.w7yrc.org/public-service-waiver-form/> to download, fill out, and complete the form that was created by Don Sears N7PLL. You do not have to sign the form. Once completed, email the form to Frank Bender K8FB (fnb47@hotmail.com). **Note:** This form is good for all of our public service events and only needs to be completed once in 2022.

Parks On The Air (POTA) Request

by Mike Bennett, KJ7QGB

I would like to operate a POTA station at Dead Horse Park sometime between January and March 2022. Are there any YARC members who would like to join me?

Camping is available at the park. However because of personal health issues, I will only be able to be there for one day. Should you like to camp, you can make your own arrangements; or perhaps I can inquire about available campsites and costs.

Contact me by email at:

olepeteanv@gmail.com

Prescott Hamfest 2022

The 2022 Prescott Hamfest will be held on May 14, 2022 at the Granville Elementary School in Prescott Valley. We will have a swap-fest where hams will sell their used radio equipment. VE license examinations will also be held. The Prescott Hamfest is co-sponsored by YARC and the Amateur Radio Council of Arizona (ARCA). You can find additional details at www.prescotthamfest.com.

Reserve Hamfest Tailgating Spaces

You can now go to www.prescotthamfest.com to reserve tailgating spaces at the hamfest. You can only get tailgating spaces by pre-registering for them. Tailgating spaces will not be available for rent on the day of the hamfest. Reserve your spaces prior to May 10.

Hamfest Grand Prizes

Following are the grand prizes that will be raffled at the hamfest. You do not need to be present to win these prizes.

- Yaesu FT-991A HF/VHF/UHF Transceiver
- Comet CA-500 Antenna Analyzer generously donated jointly by The DX Store, owned by our club member Jim Shryne N6DHZ, and Comet Antennas
- Three Yaesu FT-4XR handheld transceivers (separate prizes)
- \$100 Gift Certificate donated by DX Engineering.

February Grand Prize Raffle Ticket Drawing

Congratulations to Dave Erlach N5MB who won \$20 worth of grand prize raffle tickets at February's YARC meeting. We will be selling Prescott Hamfest 2022 Grand Prize Raffle Tickets at the March 3 YARC general meeting. Anyone who purchases at least \$10 of raffle tickets will have their name entered for a drawing for \$20 worth of grand prize raffle tickets. Your name and call will be entered in the drawing for each \$10 worth of tickets that you purchase for that month.

The ticket drawing will take place after the meeting break. We are doing this ticket drawing for tickets purchased during the month prior to the meeting or at the meeting. We will be doing this each month through the May YARC general meeting. Tickets are \$1 each or 12 for \$10. The grand prize drawings will be held on Saturday, May 14 beginning at 11:30 a.m. at the Granville Elementary School in Prescott Valley. You do not have to be present to win the grand prizes.

If you wish, you can also purchase grand prize raffle tickets online. Go to prescotthamfest.org and purchase your tickets using PayPal or a credit card. If you purchase raffle tickets online, you will be entered into the drawing for \$20 worth of free raffle tickets at the next YARC meeting. If you attend YARC meetings, the tickets will be given to you then. If not, the tickets will be held until the day of the hamfest for you – or filled out and entered for you prior to the drawing at the hamfest.

Hamfest Volunteers

If you would like to help with hamfest planning or volunteer during the hamfest, contact Frank Bender, K8FB at k8fb@w7yrc.org. Many thanks to those who have already volunteered.





Art Protas KG6AY and Jim Zimmerman N6KZ doing antenna work with the Elmers Group, February 8, 2022
(Photo courtesy of Mike Schnell NC7X)





February 2022 Foxhunt
by John Broughton, WB9VGJ

The February foxhunt was held Saturday, February 5, 2022. Robert WA6FBA, Rich WB7NRM and XYL Sharon were the foxes.

There were three teams for this hunt:

1	Jeff WB7RFY, Keith KJ7GTX, and John WB9VGJ
2	Pete K6VVR, Gary K6JXM, and Byron KK7BFL
3	Don KI7IOM and Sherwin WB7NFX

The results of the hunt were:

Finish	Team
1	2
DNF	1
DNF	3

The foxes hid the transmitters in Flinn Park on the SE corner of Linwood Ave. and Josephine St. one block north of West Gurley Street.

It was a frustrating hunt for our team. Our first reading taken from the Arizona Pioneers Home Cemetery indicated the transmitter was SW of there. However, as we continued and took more readings, many indicated the transmitter was to the east. We got faint signals at times and no signals at times. We did go west of the transmitter but didn't find it so we went downtown Prescott. We finally went back to the west side and took a reading 1 ½ blocks away and that allowed us to hone in.

However, after we arrived, we were walking all around the transmitter and didn't discover it. The foxes had made a sign on a short hollow tube that said PARK CLOSES AT 10:00 p.m. I looked down the tube twice but it was dark and I did not see an antenna. Finally, time ran out and we gave up. Then the sign was lifted and we saw the transmitter. We had thought the sign was a real one the park officials installed. We really got fooled. Team 3 quit the hunt about the same time. They were within a few blocks of the park when they did that. It was a challenging hunt for sure.

You can see pictures of the hiding site here:

tinyurl.com/YARCFebruary2022foxhunt

We went to the Prescott Junction restaurant for after-the-hunt socializing and telling of tall tales.

We invite anyone interested in foxhunting, especially anyone who has not done it before, to join us. Those new to the hobby can ride with an experienced hunter. We always have a good time, win, lose or draw.



Foxhunt Using Repeaters? Submitted by Mike Reid, WU7V

Down in the Phoenix area they used a local repeater to search for a hidden transmitter somewhere in the entire valley area. Here is a report of the results by Andrew KF7CCC.

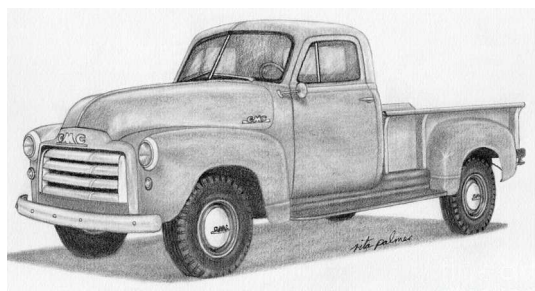
On Saturday, February 5, 2022 the Arizona Emergency Net - Maricopa held a radio direction finding event -- a foxhunt. But this wasn't your traditional foxhunt -- this one differed in several important ways:

The fox was transmitting on the Metrolink repeater system, not a simplex frequency.

- Nobody used radio direction finding equipment.
- We worked together, first to identify the repeater that was being used and then to listen on the repeater input frequency.
- Fourteen stations took part. Some heard the fox on the repeater input. Some didn't. Both of those were valuable pieces of information -- they told everyone where the fox might be, and -- just as important -- where the fox wasn't.
- After narrowing the location of the fox down, five stations (W6EHY, WB4ZKA, KE7VIN, K7MLI and KJ7QGF) went mobile to track the fox to his den.
- But the mobile stations weren't alone. They were supported by stations at home. Ryan KJ7MIS was plotting locations on Google Maps and directing the mobile hounds ever closer. Ultimately it was Bill WA7UJH, listening from home, whose attentive ear picked out the clues necessary to direct the mobiles to the fox's lair.
- The search went for more than three and a half hours. Not everyone participated for the whole time. Even those who didn't stick around were able to give the hunters useful information.

The weather cooperated with us. After more than three and a half exciting hours of searching, including a few misdirections to various places in Tempe, Mesa, Gilbert, and Chandler, the mobile stations converged. Everyone worked together to sniff out the fox's lair -- in the south parking lot of the Tempe Sports Complex park, just off of Hardy and Warner in Tempe. As with traditional foxhunts, the fox and some of the mobile hounds then went to a local restaurant for tacos.

Thanks to everyone who participated!





Quartzfest — January 23-29, 2022

by John Snedden, KT7P

This is just a short note about Quartzfest 2022. Thanks to Brian KN6OW and his XYL Karen for flying the Yavapai Amateur Radio Club banner and picking a nice area for attending YARC members to set up their RVs. There were a few changes this year for the safety of all attendees. All the sessions were held without the tents and pop-ups; and any PowerPoint presentations were done in the evening hours after sunset. Three VE testing sessions were all held in the open (lots of rocks to hold down the paperwork). There were campfires every evening and morning, as well as antenna walk-about; gold panning; cast iron campfire cooking; off-road adventure; SOTA hikes and activations; DX contests for longest contacts (3 awards including Heil microphones); and some pretty cool grand prizes given away on January 29.

At the opening ceremony on January 23, there were almost 300 participants who had checked in; and by mid-week close to 750 had signed in. There were quite a few more tent and car/truck tent campers this year, and the weather was favorable for them. Many sessions were held about diverse topics — and not all were ham radio-related.

So, save the last full week in January 2023 and spend a week or drive down for a day or two and enjoy one of the largest hamfests in the country and a chance to see some unique and one-of-a-kind radio/antenna set up in the world of RVs.



T-Hunt Schedule, 2022
by Robert Reister, WA6FBA

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March 6 — Sunday
April 9 — Saturday
May 7 — Saturday
June 5 — Sunday

July 9 — Saturday
August 6 — Saturday
September 4 — Sunday
October 8 — Saturday
November 5 — Saturday
December 4 — Sunday

Breakfast and Lunch Gatherings

There are a number of breakfast and lunch gatherings in the area that are open to all radio amateurs and interested persons. Please let us know of any updates or corrections at info@w7yrc.org.

Third Thursday of the Month – **YARC** holds an informal **breakfast** gathering at the **BackBurner** Restaurant at 0800 MST (8 a.m.). The restaurant is at 8400 Long Mesa Drive in Prescott Valley. Contact Don Bauer WB7TPH or Jeff Hanna WB7RFY.

Second Tuesday of the Month – **Quarter Century Wireless Association (QCWA)** **brunch** gathering, 1030 MST to 1230 MST (10:30 a.m. to 1230 noon) at the **Golden Corral** Restaurant in Frontier Village in Prescott, off SR-69. You do not have to be a QCWA member to attend.

Every Monday – **Dan Nichols (W6SAK SK) Memorial Lunch**, starting at 1145 at roving locations.
Contact Bob Rosevear WB7RRQ, 928.458.7830 for more information.

Every Wednesday – Lunch – 1045 MST (10:45 a.m.) at **Costco** – “The Umbrella Club,” now without the umbrellas!

The DX Store

sales@dxstore.com

www.dxstore.com



Club Officers, 2022

Officer	Name	Call Sign	Email Address
President	John Snedden	KT7P	president@w7yrc.org
Vice President	Mike Reid	WU7V	vicepresident@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Director	Jane Lurette	K7ZHF	goodtrails73@gmail.com
Director	Ron Levine	—	—
Director	Ray Kolman	KI7COM	spudzman@gmail.com
Director	Mike Schnell	NC7X	nc7x@w7yrc.org
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Editor	Loren Singh	AE7CG	ae7cg@arrl.net
Webmaster	Robert Reister	WA6FBA	webmaster@w7yrc.org

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective March 1, 2022

Permanent Station Access (defined by YARC role) —

Name:	Call:	Lic. Class	Notes:	Telephone:
John Snedden	KT7P	E	YARC President	909.844.5108 – Do not contact for access
Frank Bender	K8FB	E	YCJP Bldg. Mgr.	928.379.5575 – Do not contact for access
Mike Belanger	W1DGL	E	Club Sta. Mgr.	928.771.2565 – OK to contact for access
Pete Morrison	K6VVR	E	W7YRC Trustee	928.899.8555 – Do not contact for access
Bud Semon	N7CW	E	ARES/RACES DEC	928.899.7400– Do not contact for access
Rob Redford	KG7LMI	G	ARES/RACES ED	623.252.3980– Do not contact for access
Jim Zimmerman	N6KZ	E	Elmer Group	928.713.0542 – OK to contact for access
Art Protas	KG6AY	E	Elmer Group	928.227.2954 – OK to contact for access
Doug Freeman	KV8TD	E	N7GMH Trustee	928.759.0958 – Do not contact for access

Building Access for Other Reasons (includes station access) —

Donald Bauer	WB7TPH	E	VE Chair	928.775.4690 – Do not contact for access
Kathy Laing	KJ6KMK	E	License Classes	928.778.2526 – Do not contact for access

Rotating Access (changes every July 1st) —

This category is limited and consists of volunteer members —

Jim Custer	WØHJ	E	Rotating Member	507.720.4053 – OK to contact for access
Tony Jackson	K6PSR	G	Rotating Member	562.644.0528 – OK to contact for access

Note to YARC Members —

**For station access, first try to contact the Rotating Access members.
If you are not able to contact the Rotating Access members, then try to contact the other “OK to contact for access” members.**