



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 36 – No. 10 — October 2021

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	October 7, 2021 Thursday	1900 MST 7 p.m.	Prescott Rodeo Grounds & via Zoom	Club Website & Zoom Info via Email
YARC Breakfast	October 21, 2021 Thursday	0800 MST 8 a.m.	Backburner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Transmitter Hunt	October 10, 2021 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 3.				
Public Service Communications — 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 Signal (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	52.560 MHz	- 100.0 Hz	Friday	2000 MST 8 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.

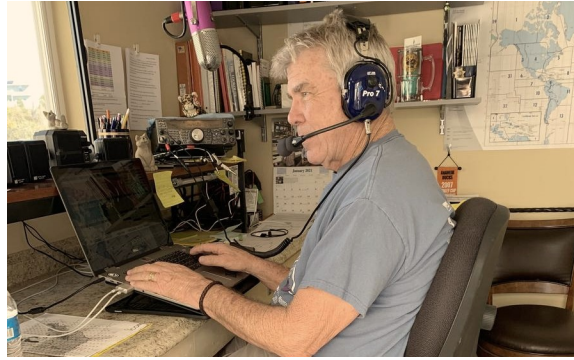
ae7cg@arrl.net

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

Greetings everyone! Fall is in the air and the monsoon season wanted to say goodbye in a big way, so I hope you were able to enjoy Mother Nature's outburst. Of course, the big tip-off that Fall is here is the appearance of the Peppermint Mocha Creamer in the grocery stores.

The variety of "things" the membership of YARC does just continues to amaze me. Breakfast meetings, lunch meetings, afternoon nets, evening nets, breakout sessions, public service events, ARES/RACES nets and training, site surveys, radio/antenna installations, repeater maintenance, student radio science projects, ARISS contact, YARC storage shed project, Field Day, Hamfest 2022, license classes and VE testing, Silent Key estates, radio programming, equipment loaning, newsletter, website, SOTA's, N7GMH memorial, NRA birthday, hybrid meetings, and..... I know I left something out but still, it is amazing.

We have elections coming up and are looking for some interested members to waive a hand (or maybe even be volunteered)! Vice-President, Secretary, and two Board of Director positions will be filled soon. We have a couple of names in the hat, but we would like to have a few more come on board so we can continue to grow and add a few more things to the list of what we offer.

Considering what the last, now almost two years, has been like I would like to thank you all for being creative, inclusive, and respectful of each other and to those that are out there lending a hand to those in need. This club has grown and continues to interact with the community in a variety of ways because of you, the membership.

Stay safe and be healthy. Always be radio active! You are the best!

General Meeting Program — October 7, 2021
by Mike Reid, WU7V

"What Is Happening in Public Safety Communication?"

YARC member Ron Levine is the former Senior Director of the Telepath Corporation, a Motorola Communication System reseller. He provided federal, and local government public safety communication systems. Ron has an extensive background in public safety. He is a retired police chief and was a software engineer with Hewlett Packard in his earlier years.

He will present an interesting and informative talk about public safety communication, and point out both its similarities to and differences with amateur radio emergency communication.

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 Warzеха	KØFC	jerry.warzеха@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	K17EVK	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

Supporting ARES/RACES by John Snedden, KT7P

With the pandemic and fires this year, ARES/RACES put in numerous hours assisting the Yavapai County EOC. Although our community events were eliminated this year, ARES/RACES continued with monthly training sessions and the upgrading of the gateways and digipeaters to a faster and exceptionally reliable system.

YARC members can assist ARES/RACES by donating to the non-profit organization, FOYCAR (Friends of Yavapai County ARES/RACES). The easiest and least painful way is via the Amazon Smile Program.

When you shop at Amazon, instead of going to amazon.com, go to <https://smile.amazon.com/>. On your first visit to smile.amazon.com, you will be asked to select a charity — search on a key words like “ARES RACES” or “Yavapai” and select the “Friends of Yavapai County ARES/RACES, Inc.” Amazon will donate 0.5% of all your eligible purchases to FOYCAR without changing the price you pay. You can find out all the details at https://smile.amazon.com/gp/chpf/about/ref=smi_se_rspo_laas_aas.

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 \$2750.00 — negotiable

Contact: Ken WA6AQK, 928.778.7490
dancingken27@gmail.com

Fall 2021 YARC Public Service Event

We have one remaining public service event for 2021 on **October 9**, the **Whiskey Row Marathon** – and we could still use some help. If interested, please contact John Broughton WB8VGJ – his email is listed below.

Public service events are a great way to get outdoors in beautiful settings, improve your operating skills and give back to our community. You do not need to be an experienced operator to participate and have an enjoyable experience. If you have a handheld VHF transceiver programmed to the YARC or ARES/RACES recommended frequencies, you are pretty well all set. We will partner you with an experienced operator who can help you become proficient in these events.

Whiskey Row Marathon – Starts in Downtown Prescott - October 9, 2021.

John Broughton WB9VGJ (2silverhondas@gmail.com) is the organizer of this event.



License Testing by Don Bauer, WB7TPH

The next scheduled license test is Saturday, October 2 2021. The time is 9:00 AM at the Jeep Posse Building.

At our August 28 test, we had 11 candidates. One failed to upgrade, but we ended up with 8 new Techs, and one each General and Extra.

Good news for all looking to get licensed or to upgrade. The FCC application fee that we have been warning about will not go into effect until sometime next year. So, save \$35 and get the license before then.

Upcoming License Testing

Date	City	Location	Time	Sponsor	Contact	Walk-in
10/02/21	Prescott	Jeep Posse Building	9 AM	YARC	Don Bauer 928.775.4690	No
11/02/21	Prescott	Prescott Christian Church, 501 S. Senator Hwy	6 PM	ARRL Ham Exams	Jim Scherfling 928.632.2050	No
12/04/21	Prescott	Jeep Posse Building	9 AM	YARC	Don Bauer 928.775.4690	No
01/04/22	Prescott	Prescott Christian Church, 501 S. Senator Hwy	6 PM	ARRL Ham Exams	Jim Scherfling 928.632.2050	No

FREE PDF Technician Class License Study Guide

No Nonsense Technician Class License Study Guide

by Dan Romanchik, KB6NU

(For tests given between July 2018 and June 2022)

Download at:

<https://www.kb6nu.com/wp-content/uploads/2018/11/2018-no-nonsense-tech-study-guide-v1-1.pdf>

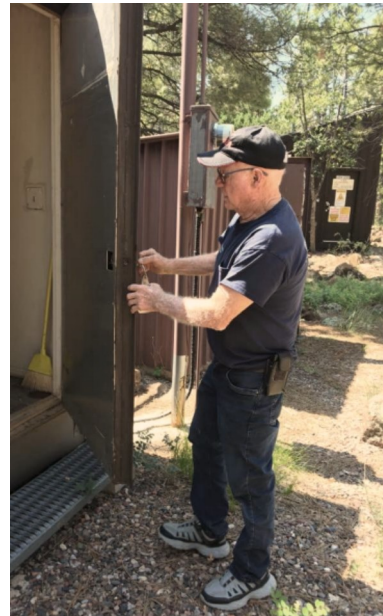
2022 Prescott Hamfest Planning Meeting

The next 2022 Prescott Hamfest Planning meeting will be held on Tuesday, October 5th, 5:30 p.m. at the Jeep Posse Building. A one day hamfest, to be held at the Granville Elementary School off Glassford Hill Road in Prescott Valley, is being planned for May 14, 2022.

We are particularly in need of someone who can lead the hamfest parking effort with the assistance of other volunteers. We could also use someone to lead the effort to sell Grand Prize tickets at club meetings and at the hamfest.

You are urged to attend if you would like to provide input, volunteer for the hamfest planning committee, volunteer to help at the hamfest, or just get a feel for what is going on. Please come out if you can. We can only make this hamfest happen with the support of a good number of YARC members.

If you would like further information, contact Frank Bender K8FB (fhb47@hotmail.com).



Bob Sitterley K7POF at the K7MRG/R (147.000 MHz) Repeater Site
(Photo courtesy of Robbin McCoy W7POF)

First Annual YARC Campout – Kaibab Lake August 8-12, 2021
by Joe Thomas, KG6IDN

This was our first YARC campout in years. We had 9 attendees Joe and Anne Thomas KG6IDN; Mike Reid WU7V; Steve and Cheryl Smith KG7SDY; Ray Kolman KI7COM; David K1AN and Heather W8GEM Anderson; and Dave Erlach N5MB. We all enjoyed the amenities at the Kaibab Lake campground.

WU7V), N5MB, K1AN, and W8GEM) brought tents. KG7SDY, KG6IDN, and KI7COM arrived with RVs. Our station setup included ICOM, Yaesu, and Kenwood radios; and also wire and vertical antennas. Using HF, 2 meters, and 70 centimeters, several of us made contacts with the West Coast, East Coast, and South America. A special thanks to K1AN and W8GEM for building and setting up their mobile node, which allowed us to connect to the YARC repeaters to participate in several of the club nets.



Left to Right: K1AN, W8GEM, KI7COM, N5MB, KG7SDY & XYL, WU7V, KG6IDN & XYL.
(Photo courtesy of Joe Thomas KG6IDN)

Elmers Remove and Replace Coaxial Cable
by Loren Singh, AE7CG

On Saturday, September 4, 2021, Jim Zimmerman N6KZ and Art Protas KG6AY visited the station of Loren Singh AE7CG. The two Elmers removed the RG-58 coaxial cable on Loren's Cushcraft AR-270 dual-band VHF/UHF antenna, and replaced it with RG-213 coaxial cable.

Loren had been having problems accessing and holding the YARC 70cm repeater on 447.650 MHz from his Prescott Valley location. Replacing the small diameter, loss-prone cable with larger diameter, lower-loss cable proved to be the solution.

Loren is grateful to Jim and Art for their concern and help.



Elmers Group , August 14, 2021. (Photo courtesy of Danney Cox W7NWO)
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TX-455 Cable Replacement by Joe Oliver, AC6AA

In accordance with our HOA CCR requirement to lower our antenna when not in use, we have raised and lowered our TX-455 motorized tower almost daily for the past 25 years. Earlier this year the wire cables finally were showing evidence of fraying and needed to be replaced. Bud, N7CW suggested I contact Hector, XE2K/AD6D, a professional tower man operating out of Yuma, Arizona.

I contacted Hector in May at Hector@2Ktowers.com, and he agreed to fit me into his schedule. Unfortunately, his services are in high demand, since there are not that many folks doing professional tower and antenna installation.

Finally on August 26, after driving over 200 miles from Yuma, he arrived at 9:30 a.m. with his truck and trailer. I thought we would have to tilt the tower over to replace the cables, but Hector planned on doing it by climbing the tower.

Hector hooked up a couple of wire rope ratchets so he could manually adjust sections of the tower to the proper height. With the aid of a ladder, he climbed up and down the tower, removed the old cables, and routed the new cables through the tower sections. One of the top pulleys had frozen and had to be replaced. I also had him replace the bolt which pins the mast to the rotator. The rotator clamp broke while tightening it and had to be replaced.

Hector worked without a break for four hours. He was organized, thorough, and well equipped.

He travels around the United States in his diesel-powered truck while pulling a trailer; trying to group jobs to make a trip worthwhile. His truck gets around 11-12 miles per gallon, which means traveling any distance costs a fortune. However, in many parts of our country, local antenna/tower service providers are not available, so folks must pay a great deal for travel expenses and antenna work. In our area, we are fortunate to have YARC's Elmer Group, who also provide great antenna installation and maintenance for our members.



September 2021 Foxhunt
by John Broughton, WB9VGJ

The September foxhunt was held Saturday, September 4, 2021. The fox was Robert WA6FBA..

There were four teams for this hunt. The teams, in order of finish, were:

1	Pete K6VV\$, Jerry KF7FPD, and Gary K6JXM
2	Jeff WB7RFY, Keith KJ7GTX, and John WB9VGJ
3	Don K7IOM, Sherwin WB7NFX, and Richard KG6TRD
4	Mike WU7V, Jane K7ZHS, and Steve KG7SDY

The results of the hunt were:

Finish	Team	Time
1	2	1 hr. 5 min.
2	1	1 hr. 25 min.
DNF	3	—
DNF	3	—

WA6FBA hid the transmitters on Old Rt. 89A in the Granite Dells subdivision south of current Rt. 89A. The street is paved, but there are no structures and the sidewalks have not yet been poured.

It was a good hiding spot. We were getting signals showing the transmitter was northeast in all our readings after we left the starting point parking lot. Our first reading was taken on a hill on Rosser St. We did investigate East Granite Dells Rd. as we thought that might be where the transmitters were hidden. We got a strong signal pointing east when we checked at the Phippen Museum and figured the location was in the new Granite Dells subdivision.

When we got to the subdivision, we drove all around and did not get a real strong signal which puzzled us. On our way back toward the model homes, we did get a good reading that indicated the transmitter was on the south side of the southernmost houses. After trying a couple of side streets, they all loop back to the main road except the last street we tried, we discovered the fox on old Rt. 89A, a street currently being developed and the first east-west street south of the current houses. Coming into the subdivision, if one goes straight past the roundabout, that street is the one the fox was on. It is not yet opened to traffic, but with just widely spaced cones, we were able to get there. The street is below a high embankment and the primary transmitter's beam antenna was pointing west southwest, which accounted for the weak signals in the subdivision.

You can see pictures I took of the hunt here (Copy link and paste into your browser.). You can click on a picture to enlarge it and click on it again to zoom in:

tinyurl.com/YARCfoxhuntsept2021

Transmitter Hunt Schedule, 2021

The T-Hunt meets at 1300 MST (1 p.m.) at the parking lot of the OneAZ Credit Union, Gail GardnerWay and Willow Creek Road in Prescott, Arizona.

Month	Date	Day of the Week
October	10	Sunday
November	7	Sunday
December	4	Saturday

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. **For the time being, canceled because of low attendance.** 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, 2021

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	John Laing	K7PRS	k7prsextra@gmail.com
Director	Dave Erlach	N5MB	n5mb@w7yrc.org
Director	Ray Kolman	KI7COM	spudzman@gmail.com
Director	Mike Schnell	NC7X	nc7x@w7yrc.org
Editor Emeritus	Joseph Oliver	AC6AA	joliver@cablone.net
Editor	Loren Singh	AE7CG	ae7cg@arri.net
Webmaster	Robert Reister	WA6FBA	webmaster@w7yrc.org

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective January 1, 2021

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	Station Manager	928.379.5575 – 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 —

Mike Belanger	W1DGL	E	Rotating Member	928.710.2565 – OK to contact for access
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.**