



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 36 – No. 11 — November 2021

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	November 4, 2021 Thursday	1900 MST 7 p.m.	Prescott Rodeo Grounds	Club Website
YARC Breakfast	November 18, 2021 Thursday	0800 MST 8 a.m.	Backburner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Transmitter Hunt	November 7, 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.				
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.

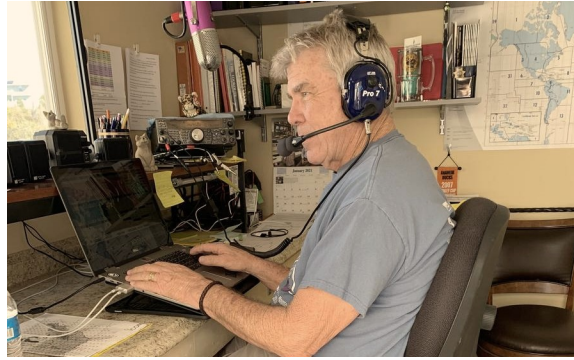
ae7cg@arrl.net

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

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

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

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

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

Hope to see you at the YARC general meeting on the November 4, 2021 — when you can say thanks to those who have and are serving and extend a welcome to the new members who will be coming in and serving. Without this cycle of life, we would cease to be a club. Thank you all!

Be safe and healthy, and it is so good to have you all being “radio active”!

General Meeting Program — November 4, 2021
by John Snedden, KT7P

The November general meeting will be held in the Freeman Building at the Prescott Rodeo Grounds — a live and in-person meeting! Two awards will be presented to worthy recipients:

- a) ARES/RACES Lloyd Halgunseth Memorial Award; and
- b) YARC Lifetime Membership Award.

Elections will be held for the following:

- a) Vice President; b) Secretary; and c) Members (2) of the Board of Directors.

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	AI1K	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

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, 18 feet when fully cranked down
- Buyer must provide own transportation

Asking \$2750.00 — negotiable

Contact: Ken WA6AQK, 928.778.7490
dancingken27@gmail.com



License Testisng
by Don Bauer, WB7TPH

The next scheduled license test will be Saturday, December 4, 2021 at 9:00 a.m. MST at the Jeep Posse Building. This will be our last session this year. The 2022 schedule will be posted soon.

At our October 2, 2021 test session, we had 14 candidates. The results: we had 10 new Technicians, and one each new General and Extra. Unfortunately, we had two failures, both of whom vowed to return soon.

A note to all our Technician licensees: Upgrading to General is not that difficult and it is very rewarding. We have mentors and classes to help. Try it, you'll like it!

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
12/04/21	Prescott	Jeep Posse Building	0900 MST 9 AM	YARC	Don Bauer 928.775.4690	No
01/04/22	Prescott	Prescott Christian Church, 501 S. Senator Hwy	1800 MST 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>

Attention —> Technician Class Licensees

If you are interested in a more comprehensive course on the material in the General Class exam, you might want to try the free weekly General Class licensing course on Zoom beginning Thursday, October 28 through Thursday, January 13 (9 sessions plus 3 weeks off for the holidays in November and December). Sessions will start at 6:30 pm Eastern time, and run 3 hours. These are the classes sponsored by the National Electronics Museum and have been running for years. If you wish to sign up email roland.anders@comcast.net.

NRA Special Event Operation

by John Broughton, WB9VGJ

wb9vgj@arrl.net

YARC will be sponsoring a special event operation on Tuesday, November 17 th to celebrate the 150th birthday of the National Rifle Association.

With the coronavirus pandemic we did consider cancelling the event. However, Terry Pemberton KB7TRE and I in consultation with Gunsite's owner Buz Mills K7GTST made the decision to go forward with it. The facility we use lends itself to good social distancing practices.

We will be operating from Gunsite Academy using one of the radio shacks of Gunsite's owner, Buz Mills K7GST, for the phone portion of the operation. This year, the CW portion of the operation will be conducted from the club station at the Jeep Posse building. However, due to a Jeep Posse activity, the CW station won't be operational until noon local time. Anyone who would like to participate in the CW operation can contact me for more information. We will be using the call sign K7GST. The operating hours will be from 8:00 a.m. to 5:00 p.m. local time. All YARC members and other hams are welcome to participate and/or just come up to Gunsite for some socializing. You will find Buz's radio shack to be interesting.

The listing for the special event is in the November 2021 issue of QST and is on the ARRL's website (Just enter K7GST in the call sign box to search for the entry.) at:

<http://www.arrl.org/special-event-stations>

There is more detailed information on the YARC website about the event:

<https://www.w7yrc.org/nrbirthday/>

We have the ability to provide certificates via email for hams who work us.

If you would like to come and participate, please bring a folding chair. The club will be supplying some food, but you can also bring whatever snack, lunch and drinks (non-alcoholic) that you would like. There is a refrigerator available in the shack and a bathroom.

Buz's address is 3300 West Ravengard Road. Here are the directions to the operating location:

Take SR 89 north to Rolling Hills Rd. (at about the 335 ¼ mile mark). Turn left on Rolling Hills Rd. and then turn right at the top of the rise (you'll see a small Gunsite sign with the raven on it) and follow the road to Gunsite. After entering through the Gunsite gate and when you get to the Gunsite buildings, stay on the road and bear left (actually, straight ahead) instead of turning right in to the facility. Stay on this road for about one mile to 3300 (It is well marked.). Turn right at the 3300 marker and follow the lane to the gate. Press the call button at this gate and it will be opened (It may already be open.). The barn is under the big tower at the top of the hill. Drive through the gate and straight up the hill to the barn.

The coordinates of the turnoff for 3300 are:

34 51.606N, 112 32.081W

Be aware that the speed limit on Rolling Hills Rd. is only 25 mph and it is reported the police keep an eye on speeders. It is too easy to drive faster than that, as it is a rural paved road.

If you need to contact us for directions on your way in, call me on my cell phone at

928-830-5997.

I encourage any and all YARC members to participate in this event if possible. Please contact me if you have any questions. The past events have been a lot of fun. Buz is a great host and there was a lot of socializing as well as operating.



Art Protas KG6AY climbing the antenna tower at Mount Union
(Photos courtesy of Tim Norton K7PVY)

Mt. Union Repeater Antenna Replacement — September 23, 2021

On September 23, 2021, the YARC Elmers Group (John Snedden KT7P, Art Protas KG6AY, Jim Zimmerman N6KZ, and Dave Erlach N5MB) replaced the 70cm / 447.650 MHz K7YCA/R antenna on Mount Union.





October 2021 Foxhunt
by John Broughton, WB9VGJ

The October foxhunt was held Sunday, September 10, 2021. The foxes were Jeff WB7RFY, Keith KJ7GTX, and John WB9VGJ.

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

NF	Pete K6VV\$, Jerry KF7FPD, and Gary K6JXM
NF	Robert WA6FBA, Fred WB4AEJ, and Byron KK7BFL

We hid the transmitters on a cul-de-sac off of Levie Lane west of Williamson Valley Rd. and four miles north of the intersection of Williamson Valley Rd. and Pioneer Parkway. It was a location high on a ridge with fantastic views (see pictures using link below).

We initially simply attached the primary transmitter to a metal pole at the edge of the road. However, the signal could not be heard at the starting point. We also could not access the club repeater with our HTs. Both of these surprised us. Luckily, WB7RFY had a metal fence post, a post driver, a beam antenna and his foxhunting beam on a long stick. As a result we were able to pound the fence post into the ground and attach the beam to it. However, we did not have a wrench, so we could not tighten the nuts on the beam's bracket and it hung in a downward direction. We then used the foxhunting pole and beam to support the main transmitter's beam which worked.

Even though we were at a high location with a beam, from talking to the hunters after the hunt, it seems our signal was bouncing off hills/mountains and gave the hunters difficulty. Neither team was able to find us. The closest either one got was on Pioneer Parkway and on Rt. 89. So, we three will be the foxes again next month and wish the hunters better luck.

It was a fantastic day to be sitting outside with great views, though.

You can see pictures of the hiding site here:

tinyurl.com/YARCfoxhuntoctober2021

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.

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
November	7	Sunday
December	4	Saturday

Apply for a grant from the ARRL or ARDC by Dan Romanchik, KB6NU

In our division director's September missive to the membership yesterday was this nugget: ARRL IS CURRENTLY OFFERING GRANTS to fund amateur radio projects. This program, sponsored by the ARRL Foundation, is specifically for organizations and aimed primarily for education, licensing and support of ham activities. A special focus is on youth-related plans. We are now entering the last phase of this year's grant cycle, so the opportunity exists for your club or organization to submit a grant request. You can find the full details on the grant page of the ARRL web pages, check: <http://www.arrl.org/amateur-radio-grants> .

The ARRL accepts grant requests three times a year:

- February 1 – February 28
- June 1 – June 30
- October 1 – October 31

As I've written before, our club was awarded \$1,500 to help us put up a tower for a club station at the Ann Arbor Hands-On Museum. The money is available. Go get it! Get money from ARDC, too!

You can also get a grant for amateur radio projects from Amateur Radio Digital Communications (ARDC), the outfit I'm currently working for. ARDC grants money for projects that fall into one of the following three categories:

- Support and growth of amateur radio,
- Education, and
- Technical innovation.

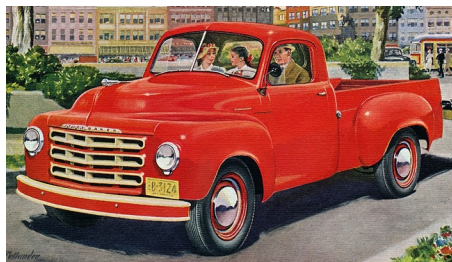
ARDC has, for example, awarded grants to:

- An amateur radio club in Wisconsin (<https://www.ampr.org/grants-old/grant-chippewa-valley-arc-emergency-trailer-and-equipment/>) for upgrading their repeater systems and building an emergency communications trailer that they will also use to promote amateur radio in their area.
- A California high school (<https://www.ampr.org/grant-incorporaing-constructivism-and-the-maker-mentality-at-california-high-school/>) whose computer science teacher will use the funds to purchase microcontrollers and transform his classroom into a maker space. With this equipment and facility, students will learn computer science by building their own projects.
- The M17 Project (<https://www.ampr.org/grant-m17-open-protocol/>), whose goal is to develop a new, open-source digital radio protocol by hams, for hams, and that is easy to understand and build on.

To be eligible for an ARDC grant, an organization must be a 501(c)(3) public charity or be sponsored by a 501(c)(3) public charity. Other eligible organizations include government entities, schools or universities, and international charities or nonprofits.

For more information on ARDC and how to apply for an ARDC grant, go to <https://www.ampr.org/apply>.

Dan Romanchik, KB6NU, is the author of the KB6NU amateur radio blog (KB6NU.Com), the "No Nonsense" amateur radio license study guides (<https://KB6NU.Com/study-guides/>), and often appears on the ICQPodcast (<https://icqpodcast.com>). He recently joined ARDC as their Content Manager. Among his responsibilities is spreading the word about all the cool things ARDC is doing for amateur radio.



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.**