



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 36 – No. 4 – April 2021

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	April 1, 2021 Thursday	1900 MST 7 p.m.	Virtual via Zoom	Prior notification by email
YARC Breakfast	April 15, 2021 Thursday	0800 MST 8 a.m.	BackBurner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Transmitter Hunt	April 4, 2020 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 members 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 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
2M 70cm	FM	146.880 MHz 447.650 MHz	- 100.0 Hz	Wednesday	1900 MST
2M	SSB (USB)	144.250 MHz	N/A	Wednesday	2000 MST
6M	FM	52.560 MHz	- 100.0 Hz	Friday	1900 MST
10M	SSB (USB)	28.444 MHz +/- QRM	N/A	Thursday	2000 MST
70cm	FM	447.650 MHz	-100.0 Hz	Saturday	0900 MST

Yavapai County ARES/RACES Nets

2M	FM	147.260 MHz	+103.5 Hz	Monday	1830 MST
2M	FM	145.290 MHz	-127.3 Hz	Monday	1900 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.



**CORONAVIRUS
COVID-19**



From the President's Desk by John Snedden, KT7P

April is here and Spring seems to be opening not only the flora and fauna, but also a chance for ourselves! Bad numbers going down and good numbers going up. Public events beginning to get on a safe opening schedule. Restrictions relaxing, guidelines changing, schools coming back, hamfests are setting dates, sports events have spectators, oh, and Solar Cycle 25 is here! Hopefully we can safely work in a Field Day 2021 at the end of June and start sharing the hobby (way-of-life for some) we love so much.

A big "Thank You" to all the new members who have joined the Yavapai Amateur Radio Club over the last year. You are what keeps the club moving in the right way. We have not had an in-person meeting since March 2020, we have not had Technician, General, or Extra classes, and we have not had public events to work. Yet, we continue to add new members, the Elmers have been getting stations on-the-air, the nets have drawn in numerous new hams who like what they hear and keep coming back, and our license test sessions have had numerous 100% passed/upgraded performances! And we are starting to review and plan upcoming public service events.

Every weekday at 1300 hours MST you can tune in to the 1300 Net on our Allstar linked repeaters and Echolink. Bill WG7W had a vision, and several new members of the club were drawn in and with Mike WU7V applying the very subtle pressure needed to persuade one into a commitment, this net is very active and has brought new members in and former members back. Kudos to Bill WG7W, Lori KJ7QHH, Mike KJ7QHB, Joe KG6IDN, Doug NO1D, Richard K5RTL, and Richard WR7FT for their daily dedication.

For those looking for something to do on a Friday night, a new net is up and running on the 6 meter repeater on Mt Union. Patti W7PMS will be your tour guide starting at 1900 MST (7:00PM). Tune in to 52.560 MHz with a minus 500 kHz offset and a PL tone of 100 Hz. Sometimes the "Magic Band" brings in that distant station so you never know who will be there.

Looking forward to working our way back into a more social lifestyle and meeting once again face to face. Until then join us via Zoom for breakouts and meetings, on RF or Echolink for nets, and visit the website at www.w7wycr.org, and Be Safe, Stay Healthy, and Be Radio Active!

General Meeting Program — April 1, 2021 by Mike Reid, WU7V

"DTMF and Allstar?", by Doug Theriault, NO1D

Do you know what DTMF means or what the F0, F, I and P keys on a telephone keypad were used for? What do a 16-key matrix, Tactical Terminal Adapter chassis, H-350/U Handset, sound FOB and rPI3B+ have in common? Learn how NO1D merged and modified these components producing an Allstar Radioless Node, what this node can be used for along with a bit of telephone history."

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

Name	Call Sign	E-mail	Telephone
Don Bauer	WB7TPH	dbauer2250@aol.com	928.775.4690
Frank Bender	K8FB	fhb47@hotmail.com	928.379.5575
Pete Morrison	K6VVR	pm-service@cablone.net	928.899.8555
Bill Noe	WG7W	wg7w@arrl.net	928.710.6925
Dick Hughes	W6CCD	w6ccd@arrl.net	928.759.0337
Ron Purcell	KI7EVK	728rwp@gmail.com	707.849.7099
Jack Szelka	AI1K	radioaik@gmail.com	401.580.0330
Mike Reid	WU7V	wu7v@arrl.net	480.250.6093
Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com	928.660.8323
Mike Belanger	W1DGL	fix_broke_airplanes@hotmail.com	928.771.2565
Jerry Warzaha	KØFC	jerry.warzaha@hotmail.com	612.205.3810

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.

YARC Support of the Prescott Rodeo

by Frank Bender, K8FB

We are requesting volunteers to help support the 2021 Prescott Rodeo, which will take place from June 28 to July 4. The Prescott Rodeo provides us with a great venue to hold our monthly club meetings (when pandemic restrictions are eased). Volunteering for the rodeo is a great way to give back for the Rodeo's generosity and is also a way to give back to our community. Go to the following link to see details and instructions for submitting your volunteer application/waiver form: <https://www.w7yrc.org/2018-prescott-rodeo-volunteers/>. Volunteer for one day or for the entire rodeo as you wish.

We are also providing communications and parade marshal support for the Prescott Rodeo Parade on July 3. Because of the likelihood of contact with the public at this event, we urge that all volunteers complete their COVID vaccinations by then. If you are interested in participating in this event, contact Frank Bender K8FB (fhb47@hotmail.com).

Public Service Communication Events
by Frank Bender, K8FB

Whiskey Basin Trail Runs – April 17

Don Sears N7PLL (donsears@zoho.com) is the organizer of this event.

Whiskey Off Road Bike Event – CANCELED

Whiskey Row Marathon – Moved to October 9

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

Chino Grinder – Moved to October 9

Bob Thompson KC8BOB (kc8bob@cablone.net) is the organizer of this event.

Groom Creek Mountain Mayhem – Not Yet Scheduled

Frank Bender K8FB (fhb47@hotmail.com) is the organizer for this event.

Yarnell Memorial Run – June 5

This event consists of 5K, 10K, and 19K runs on Saturday, June 5 in Yarnell.
Contact Doug Jarmuth NØDAJ (n0daj1950@gmail.com) to sign up for this event.

You can find the full calendar of public service events on the YARC web site at <http://www.w7yrc.org/public-service-events/>. Our mission for these events is to provide communications across the event courses. We look forward to your participation in the club's public service events in 2021. Don't worry if you are new to public service events, as the event planner will team you up with an experienced partner.



Volunteer Examiner Amateur Radio License Testing
by Don Bauer, WB7TPH

Here is the schedule of test sessions for the next several months:

Date:	Location:	Contact:	Walk-ins:
April 3, 9 a.m.	Jeep Posse* Bldg., 1200 Commerce Dr.	Don 928.775.4690	No
May 4, 6 p.m.	Prescott Christian Church, 501 S. Senator Hwy	Jim 928.632.2050	No
June 5, 9 a.m.	Jeep Posse* Bldg., 1200 Commerce Dr.	Don 928.775.4690	No

Note: * Location and dates may change due to COVID-19 conditions.



March 2021 Foxhunt
by John Brough1on, WB9VGJ

The March foxhunt was held Saturday March 6, 2021. Jeff WB7RFY, Keith KI7GTX, and John WB9VGJ were the foxes.

There were two teams for this hunt: 1) Pete K6VVR and Jerry KF7FPD; and 2) Don KI7IOM, Sherwin WB7NFX, and Rcihard KG6TRD. Robert WA6FBA and Bob WB6ODR did not participate due to getting COVID-19 vaccinations.

The results of the hunt were:

Finish	Team	Time
1	1	35 min.*
DNF	2	—

Note: * The 35 minute time did not include 6 minutes when the transmitter was not transmitting due to dead batteries.

We hid the transmitters on and below the old railroad bridge downtown Prescott adjacent to and connected to the new Hilton Garden Inn. I had picked out this location. WB7FRY and I had hidden them there several years ago and it is an interesting area and I wanted to see what the hotel had done with the bridge. It was a beautiful day and there were quite a few people walking on the bridge, many from the hotel.

K6VVR and KF7FPD showed up rather quickly. However, they parked about half a block from the bridge. The transmitter died, so they called us on the radio to inform us and we changed the batteries. They were close enough to us to be heard if we shouted. They never looked up to where we were parked by the bridge and drove off hunting.

A while later they returned and realized the primary transmitter was likely on the bridge. I had put my mag mount antenna on the bridge railing as a decoy antenna. It worked as K6VVR saw it and, with his equipment, thought it was the primary transmitter. It only took him a few minutes to find the transmitter a little ways away on the bridge. When he and KF7FPD started hunting the secondary transmitter, they spent considerable time looking on a trail doing down the hill at the end of the bridge we were at. KI7GTX finally gave them a hint to go all the way down and into the street. When they did that, they were able to find the secondary transmitter. With the reflections from all the metal, bridge and fences, it made the hunt challenging.

The other team did not find the transmitter in the time allotted. However, they were close enough to receive the signal of the secondary transmitter, so it would not have taken them too long to find us.

You can see pictures I took at:

tinyurl.com/YARCFoxhunt-March2021

Due to coronavirus concerns, we did not go anywhere for socializing after the hunt. 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 parking lot of the OneAZ Credit Union, Gail Gardner Way and Willow Creek Road in Prescott, Arizona.

Month	Date	Day of the Week
April	4	Sunday
May	9	Sunday
June	5	Saturday
July	11	Sunday
August	8	Sunday
September	4	Saturday
October	10	Sunday
November	7	Sunday
December	4	Saturday



For Sale: Entire Amateur Radio Station for HF, VHF, and UHF Operation
Contact: Steve Engler, W7EMZ
steve.engler888@gmail.com
928.499.8309 call or text
Price: \$750 firm.
Local pick-up only.

Brand	Model Number	Description
Yaesu	FTDX1200	HF/6M all mode 4.3 TPT transceiver with optional FFT-1 installed
Yaesu	MD-100A8X	Dynamic microphone
Yaesu	FP-1030A	Power supply
Yaesu	FTM100DR	VHF/UHF transceiver, with microphone
Powerwerx	SPS-30DM	Switching power supply
SignalLink		USB interface sound card
Comet	CMX-2300	Dual twin cross-needle SWR/power meters
SGC series	SG-230	Smart Tuner, includes Smartlock control

Note: Also included are many components needed for a wire antenna and equipment grounding: A DX Engineering radial plate, lightning components, \$100 of 1/2 inch wide tinned copper grounding straps, many connectors and miscellaneous parts. A library of ham radio book titles is also included.

Two Club Awards
by John Broughton, WB9VGJ

On Tuesday, March 2, 2021, Terry Pemberton KB7TRE and I went to Gunsite Academy to present the owner, Buz Mills K7GST, with a plaque from YARC in appreciation of his hosting our annual NRA birthday special event operation. He has done that since about 2002. He has been a most gracious host.

Although I had the plaque in hand by January, it took until March 2 to be able to schedule a meeting with Buz.

I also mailed a framed certificate of appreciation to Chaz Cone W4GKF for his help with the special event. For the last several years he has prepared downloadable certificates for those hams who make contact with the station. This is something he volunteered to do and it has been a tremendous help for us to confirm the contacts. In the past, Terry and I spent considerable time handling requests with self-addressed stamped envelopes and inserting certificates into the envelopes.

Pictures of the award and of Terry and I with Buz are included below.





YARC Wednesday Night FM Net Participation, 2M and 70 cm
X = Net Check-in — NCS = Net Control Station — EX = Excused

Call	Name	02/10/21	02/17/21	02/24/21	03/03/21	03/10/21
K6VVR	Pete	X	X	X	X	X
KF7FPD	Jerry	NCS	X	X	X	X
W7HAM	Ralph	X	X	X	X	X
WA6AQK	Ken	X	X	X	X	X
WN7E	Tom	X	X	X	X	X
WA6FBA	Robert	X	X		X	X
K7LMJ	Mike	X	X	X	X	X
W7WWB	Ron	X	EX			
W7WED	Bob	X	X	X	X	X
WU7V	Mike	X	X	X	X	NCS
KT7P	John	X	NCS	X	X	X
KJ7QHH	Lori		X	EX	X	X
KJ7QHB	Mike	X		X	NCS	X
NO1D	Doug	X	X	NCS	X	
WG7W	Bill	EX				EX
KF2TM	Arnott		X	X	X	
KF7INF	Dennis	X	X	X	X	X
KN6OW	Bryan	X	X	X	X	X
NC7X	Mike	X		X	X	
KG6AY	Art		X	X	X	X
KG7ZZM	Robert	X			X	X
KF4JHC	Sandy	X		X	X	X
KJ7SQS	Arlene					
AD7WW	Will	X	X		X	X
KJ7SQU	Dave		X	X		
K5RTL	Richard				X	X
WR7FT	Richard			X	X	
WA6SCW	Pat	X	X	X	X	X
KG6IDN	Joe		X		X	
KI7KPK	Freddy	X				
KI7GES	Robert			EX		EX
KG7EWD	Patrick	X	X	X	X	X



Jim Zimmerman N6KZ and his Vibroplex Semi-automatic Key Collection





Breakfast and Lunch Gatherings

There are a number of lunch and breakfast 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. 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 at the **Golden Corral** Restaurant in Frontier Village in Prescott, off Highway 69. You do not have to be a QCWA member to attend.

Every Wednesday – **Breakfast** at 0700 MST at the **Manzanita Grill** at the Antelope Hills Golf Course, near the Prescott airport.

The DX Store

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Club Officers, 2021

Officer	Name	Call Sign	Email Address
President	John Snedden	KT7P	president@w7yrc.org
Vice President	Mike Reid	WU7V	wu7v@arrl.net
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
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Editor	Loren Singh	AE7CG	ae7cg@arrl.net
Webmaster	Randy Dashiell	W6TYV	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 EC	623.252.3980 - Do not contact for access
Jo Schultheiss	KF7WOT	G	ARES/RACES EC	928.925.0956 - 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	928.771.2565 - 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.