



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 35 – No. 2 – February 2020

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	TH 02/06/20	1900 MST 7 p.m.	Prescott Rodeo Grounds	Club Website
YARC Breakfast	TH 02/20/20	0800 MST 8 a.m.	BackBurner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Transmitter Hunt	SUN 02/09/20	1300 MST 1 p.m.	OneAZ Credit Union parking lot, Gail Gardner Way & Willow Creek Rd., Prescott	Pete K6VVR or John WB9VGJ
General Meeting Programs — See page 4.				
Public Service Event Communication — 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:	\$8.00 each	\$3.00 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 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	Night	Time
2M	FM	147.260 MHz	+103.5 Hz	Wednesday	1900 MST
2M	SSB (USB)	144.250 MHz	N/A	Wednesday	2000 MST
10M	SSB (USB)	28.444 MHz +/- QRM	N/A	Thursday	2000 MST
¾M	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

Club Repeaters

2M	FM	146.880 MHz	-100.0 Hz	Open Use 24/7	Open Use 24/7
¾M	FM	447.650 MHz	-100.0 Hz	Open Use 24/7	Open Use 24/7

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 Bill Noe, WG7W

This month I write about several things that will effect you as an amateur radio operator here in Yavapai County. There is a proposed change to the Yavapai County Zoning Ordinance. That change can be a good thing as currently proposed. There was a meeting of the Yavapai County Planning and Zoning Commission January 16 in Cottonwood. There will be another meeting of the commission in Prescott on February 6.

The change to the ordinance is addition of definitions and exclusions. A result of the change would be that permits would not be required for antennas and towers, if circumstances are met. One of the requirements is a setback from the property lines and easements of one linear foot for each foot of height. There may be other requirements based on zoning classification but that is to be determined.

I have been in communication with the principal planner and one of the commission members providing them with information. Their intent is not to do us "harm" but to "help" us. From my contact and discussions I believe they are sincere in their efforts. I plan to attend the February meeting and, if the proposal is approved for submission, the supervisors' meeting where it will be addressed.

More changes have been proposed, this time by the FCC. There has been a "Notice of Proposed Rulemaking by the FCC. The document is entitled "Facilitating Shared Use in the 3.1-3.55 GHz Band, WT Docket No 19-348.

The proposal removes frequencies used by the AREDN MESH networks in the Amateur Service. These networks have been developed to provide communications during limiting emergencies. It's similar to your internet service but using RF. Should the changes proposed it could effect the networks many amateurs have worked so hard to establish and make the time, equipment and money involved wasted.

[AREDN](#) has a page with documentation and discussion about the issues. I would encourage you to visit that webpage, read the material and educate yourself to what is happening concerning our spectrum. Simply click on the link above.

[Ham Radio Now](#) is a podcast that provides information of concern to amateurs. I created a link for you to click on and you can listen to the podcast. It contains more information about the proposed reallocation of our spectrum.

What can you do about it? First educate yourself. Next is to communicate. Communicate with the ARRL. Write them emails that they can gather and forward in mass to the FCC to show the commissioners that we are very much concerned about ANY loss of our frequencies. Be accurate and civil in your communication. Becoming angry or just adversarial will cause the reverse of what you want it to do.

We will attempt to keep you informed when these and other issues come up and decided, hopefully in our favor.

We continue to work on the Prescott Hamfest. I assure you that your committee is doing everything it can to get things settled and on track. We will be selling prize tickets at each of our general membership meetings up to the time of the event.

We will take reservations for the March club party at the meetings as well. You can also go to the club website, make your reservations and make payment online.

I hope to see you all at the February General Membership meeting on February 6!

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](#)

YARC General Meeting Programs, 2020 by Joe Thomas, KG6IDN

Month	Presenter	Subject / Details
February	Doug Theriault NO1D	Allstar Digital Mode Used for VHF/UHF
March	Rob Redford KG7LMI	APRS/TNC Information

Mentor / Buddy

Our club is in need of help for new and no so new inexperienced Hams. There are a number of club members that have passed their license test but are asking, "Now what?".

Anyone interested in helping our club members in need or, if you are someone who needs help, please contact:

Dave Erlach W7VSX at w7vsx@w7yrc.org .

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@cableone.net	928.899.8555
Bill Noe	W7PVA	w7pva@arrl.net	928.710.6925
Dick Hughes	W6CCD	w6ccd@arrl.net	928.759.0337
Ron Purcell	K17EVK	728rwp@gmail.com	707.849.7099
Jack Szelka	A11KL	radioaik@gmail.com	401.580.0330
Mike Reid	N7IEP	n7iep@arrl.net	480.250.6093
Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com	928.660.8323
Mike Belanger	W1DGL	Fix_broke_airplanes@hotmail.com	520.831.4893
Jerry Warzeha	KØFC	jerry.warzeha@hotmail.com	612.205.3810

YARC Public Service Events, 2020

Whiskey Basin Trail Runs

The first event of 2020 is the Whiskey Basin Trail Runs on April 18.. This is a series of runs on the scenic 54 mile Prescott Circle Trail. Don Sears N7PLL (donsears@zoho.com) is the organizer for this event.

Whiskey Off Road Bike Event

This 3 day event on April 24, 25, and 26 is our biggest of the year and requires a lot of volunteers. This is a premier professional and amateur set of bike races. We will begin taking sign-ups at the February YARC meeting. Frank Bender K8FB (fhb47@hotmail.com) is the organizer for this event.

Whiskey Row Marathon

The Whiskey Row Marathon is on May 2 and goes from downtown Prescott to the Prescott National Forest and back. John Broughton WB9VGJ (2silverhondas@gmail.com) is the organizer of this event.

Chino Grinder

The Chino Grinder is a 115 mile gravel road bike race also on May 2 that runs from Chino Valley out to White Horse Lake and back. Bob Thompson KC8BOB (kc8bob@cableone.net) is the organizer of this event. Bob may also have need for operators who can bring along their quads to the event.

Groom Creek Mountain Mayhem

The Mountain Mayhem consists of several bike races in the Groom Creek area on Sunday, May 10. We will begin taking sign-ups at the February YARC meeting. Frank Bender K8FB (fhb47@hotmail.com) is the organizer for this event.

You can find the full calendar of public service events on the YARC website 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 2020. Don't worry if you are new to public service events, as the event planner will team you up with an experienced partner.

February Meeting Hamfest Grand Prize Raffle Ticket Drawing

We will be selling 2020 Prescott Hamfest at Arizona Downs Grand Prize Raffle Tickets at the February 6, 2020 YARC meeting. Anyone who purchases at least \$10 of raffle tickets during this meeting will have their name entered for a drawing of 20 grand prize raffle tickets.

The ticket drawing will take place after the meeting break. We will be doing raffle ticket drawings each month through the May YARC meeting. Tickets are \$1 each or 12 for \$10.

The grand prize drawings will be held on Saturday, May 9 beginning at 1530 MST (3:30 p.m.) at the Prescott Hamfest at Arizona Downs. You do not have to be present to win the grand prizes.

Current 2020 Prescott Hamfest Grand Prizes:

- ICOM IC-7300 HF/6 Meter Transceiver
- ICOM IC-718 HF Transceiver
- (2) Connect Sytems CS800D Mobile Transceiver (UHF/VHF/Analog/DMR)
- (2) Anytone D878-UV HT (UHF/VHF/Analog/DMR)





January 2020 Foxhunt
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, January 5, 2020. Robert WA6FBA was the fox. There were two teams for this hunt: 1) Jeff WB7RFY, Keith KJ7GTX, and John WB9VGJ; and 2) Pete K6VVR and Diane KE7ODP.

The results of the hunt were:

Finish	Team	Time
1	K6VVR and KE7ODP	23 min.
2	WB7RFY, KJ7GTX, and WB9VGJ	38 min.

Robert hid the transmitters on a parking spot off of Granite Basin Rd. north of Iron Springs Rd. west of Prescott.

At the beginning of the hunt, we were unable to hear the transmitter. Robert made a few adjustments and after a few tries, we got a good signal. It turns out that we didn't hear the signal until he connected the antenna to the transmitter. He also had difficulty hearing us on the club repeater. It turns out that, as he was using a beam on his pickup, it was a few inches from the vertical antenna mounted on the truck for his mobile rig. When the foxhunt transmitter was transmitting, it overwhelmed his mobile rig so he could not copy us.

I again used the SigTrax app on my cellphone as usual and it seemed to be a real help. You can see a screen shot of the bearings I entered into it in the pictures I took, link below. The bearing were helpful to locate the transmitter.

However, using the SigTrax didn't keep K6VVR and KE7ODP from winning the hunt. It was most interesting that, at the start of the hunt, Diane said, "May the best woman win." It turns out that was the result. We passed Granite Basin Rd. and went further west to get another bearing. We determined we had passed the transmitter site and headed back east and drove south toward Highland Pines. I took the third bearing there and that is when we determined the transmitter was most likely somewhere on Granite Basin Rd. As we were getting ready to turn north on Granite Basin Rd., K6VVR and KE7ODP were coming from the east and turned onto the road and we ended up following right behind them.

It was a quick hunt with the winning team taking only 23 minutes to find the transmitter. Once again, it was a fun hunt and the weather was great. Everyone had a good time.

You can see pictures of the hunt here:

<https://tinyurl.com/YARCFoxhuntJan2020>

The participants had the usual after hunt socializing session at the Prescott Junction restaurant. We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.



W7YRC 2M FM Net — 147.260 MHz, PL +103.5 Hz — Wed., 1900 MST
Note: NCS = Net Control Station

Call	Name	12/25/19	01/01/20	01/08/20	01/15/20
AE7CG	Loren	NCS	NCS	NCS	
K6VVR	Pete	x	x	x	NCS
KF7ANX	Frank	x	x	x	
KF7FPD	Jerry	x	x	x	x
KF7INF	Dennis		x	x	
KF7PQV	Dan			x	x
KG6AY	Art			x	
W7HAM	Ralph		x	x	x
WA6AQK	Ken		x	x	
WN7E	Tom	x	x	x	x
KG7EWD	Patrick	x	x	x	x
WA6FBA	Robert		x	x	x
K7LMJ	Mike	x		x	
WG7W	Bill		x		
W7WWB	Ron	x	x		x
KJ7WED	Bob		x		x
K6PSR	Tony		x		
K6UWV	David		x		
N7IEP	Mike	x	x	x	x
KT7P	John		x	x	
K1AN	David			x	x
W8GEM	Heather			x	x
WA6SCW	Pat			x	x
AD7WW	Will			x	x
KG7IKT	Linda			x	
WJ7AWX	Josh				x



Elmer Crew in Action

The YARC Elmer Crew recently installed a Comet GP-6 dual-band 2 m / 70 cm base station antenna for Darcie Newman W9YCI.

In the above photo from left to right: John Snedden KT7P, Dave Erlach W7VSX, Art Protas KG6AY, and Jim Zimmerman N6KZ.
(Photo courtesy of Art Protas, KG6AY)

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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 Monday – **Dan Nichols (W6SAK SK) Memorial Lunch**, 1145 MST to 1315 MST at **roving locations**. Contact Bob Rosevear WB7RRQ, 928-458-7830, rosevear520@cablone.net; or Bob Smith WB6ODR, 928-443-9321, lsmith@cablone.net for the next location.

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

Every Wednesday – **Lunch** – 1100 MST at **Costco** — “The Umbrella Club”

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective July 26, 2019

Permanent Station Access (defined by YARC role) —

Name:	Call:	Lic. Class	Notes:	Telephone:
Bill Noe	WG7W	E	YARC President	928.710.6925 – 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	520.831.4893 - 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.**

Club Officers, 2020

Officer	Name	Call Sign	Email Address
President	Bill Noe	WG7W	w7pva@arrl.net
Vice President	John Snedden	KT7P	vice.president@w7yrc.org
Treasurer	Sam Prather	K7SCP	treasurer@w7yrc.org
Secretary	Tim Norton	K7PVY	secretary@w7yrc.org
Director	Dave Erlach	W7VSX	w7vsx@w7yrc.org
Director	John Laing	K7PRS	k7prsextra@gmail.com
Director	Sandy Meadowcroft	KF4JHC	sandymeado2@yahoo.com
Director	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
Director	Mike Reid	N7IEP	n7iep@arrl.net
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