



# Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 34 – No. 1 – January 2019

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	TH 01/03/19	1900 MST 7 p.m.	Prescott Rodeo Grounds	Club Website
YARC Breakfast	TH 01/17/19	0800 MST 8 a.m.	BackBurner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
General Meeting Programs — See page 4.				
Public Event Communications — See page 5.				
License Testing — See pages 5.				

YARC:	Badges	Patches	Shirts
Features:	Name & Call	Club Name & Logo	With or Without Name & Call
Contact Person(s):	Mike Reid N7IEP	Mike Reid N7IEP	Pete Morrison K6VVR
Cost:	\$7.00 each	\$3.00 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](http://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 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](http://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)	28.440 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 18<sup>th</sup> 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 20<sup>th</sup> 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](mailto: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, W7PVA

Greetings my friends! We are entering the yearly holiday season when everyone is so busy with friends and families that much else just has to wait. That is as it should be, God and family first, work second and somewhere down the line is amateur radio.

I thought I would introduce myself and my philosophy to you. I am a retired first responder. During my career radio communications were a priority. While amateur radio has always been an interest, since studying electronics in high school and the constant use of radio at work, it was always on the back burner until I retired the last time. I was licensed, upgraded and have had a great time playing radio. I view it as an avocation rather than a vocation. I joined YARC not long after being licensed and lurked until I suggested an activity and Don WB7TPH asked if I would moderate it. Since then my involvement with the club has grown along with making many ham friends.

In the past I have been involved in a number of clubs and organizations. One of the things I learned from my experiences is that each one was different and the people involved were individuals not always with the same goals. I learned that not everyone will be happy with everything we do so we should work for the best interests of the majority. I also learned that communication is most important for interaction and understanding between leadership and membership.

We will be learning a lot about each other and, hopefully, communicating needs and desires. YARC is a large club with a great variety of available activities. Some require much technological knowledge and ability while others are those that beginning operators can use to learn and build their skills.

Whether you are that technologically savvy ham or that brand new ham wanting to learn everything you can get your hands on, it is my desire to continue to have YARC be the organization to help you realize your success. I wish you a Merry Christmas and Happy New Year!

**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](http://www.w7yrc.org) → [Members](#) → [Login](#) → [Reports](#)

- |
- [Board Minutes](#)
- [Club Minutes](#)

**New Members**

The following new YARC members joined at the December 6, 2018 general meeting. Please introduce yourself to them and make them feel welcome:

**Lon Mattmann W6LON**

**Joshua Mitchell KJ7CIK**



Jim K6IYK

<b>TREASURER'S REPORT Nov 2018</b>	<b>General Fund</b>	<b>Repeater Fund</b>	<b>Prescott Hamfest Fund</b>
<b>BEGINING CASH -Oct 31, 2018</b>	<b>6,488.92</b>	<b>3,582.36</b>	<b>3122.36</b>
Dues	198.00	22.00	
Training books	30.00		
PHF Grand Prize ticket sales			110.00
50/50 Drawing	37.00		
Misc. < \$50	3.48	0.33	
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<b>TOTAL INCOME</b>	<b>268.48</b>	<b>22.33</b>	<b>110.00</b>
Elmer RTS Software – Terry KG7BAM	30.15		
AZ Grahix North – Badges	112.00		
PHF Grand Prize ticket printing			131.85
Misc. < \$50	3.68		
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<b>TOTAL EXPENSES</b>	<b>145.83</b>	<b>0.00</b>	<b>131.85</b>
<b>ENDING CASH – Nov 30, 2018</b>	<b>6,611.57</b>	<b>3,604.69</b>	<b>3100.51</b>

\* \* Detailed statements are posted on [www.W7YRC.org](http://www.W7YRC.org)

<b>2019 YARC General Meeting Programs</b> by Joe Thomas, KG6IDN		
<b>Month</b>	<b>Speaker</b>	<b>Topic(s)</b>
<b>January</b>	<b>Art Jackson KA5DWI</b>	<b>International Grid Chase Update</b>
February	Robert Reister WA6FBA	YARC Website Calendar Update
March	Tony Merriman of NOAA	Summer Warnings
April	Terry Shultheiss KG7BAM	Radio Go Kits Summer Preparedness
May	Randy Dashiell W6TYV	Jeep Posse Presentation
June	Pete Morrison K6VVR	Tape Measure Yagi Build – FOX Hunt (Need count of attendees 30 days prior)

## YARC Public Service Events

### Run Sedona – February 2, 2019

We are now taking sign-ups for our next public service event, Run Sedona. This event was formerly known as the Sedona Marathon. However, beginning this year, the event will not have a full marathon. This year's event will feature a half marathon, a 10K, and a 5K run.

### Whiskey Basin Trail Run – April 13, 2019

We are also taking sign-ups for the Whiskey Basin Trail Run. This is an 88K, 60K, 33K, and Half Marathon that goes around the Prescott Circle Trail (55 miles). This is a fairly long event, so we are looking to have two shifts of operators at most locations, as we did last year. In order to staff two shifts, we need a good number of operators to volunteer.

### Sign Up

If you are interested in assisting with either of these events, please contact Frank Bender K8FB at [fnb47@hotmail.com](mailto:fnb47@hotmail.com). We are planning on expanding our use of APRS tracking units that have been provided by YARC and that hopefully will be augmented by a grant from the Arizona Radio Amateur Council (ARCA).

If you are a new or inexperienced ham, our public service events are the perfect opportunity to gain operating experience in a non-intimidating environment. If you are new or inexperienced, we will team you up with someone who is experienced and who can show you the ropes.

## January Grand Prize Raffle Ticket Drawing

We will be selling 2019 Prescott Hamfest at ERAU Grand Prize Raffle Tickets at the January 3, 2019 YARC general meeting. Anyone who purchases at least \$10 of raffle tickets will have their name entered for a drawing for 20 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 2, 2019 YARC general meeting. Tickets are \$1 each or 12 for \$10. Go to <http://hamfest.w7yrc.org/prizes/> for a list of the grand prizes. The grand prize drawings will be held on Saturday, June 1, 2019 beginning at 1500 MST (3 p.m.) at the Prescott Hamfest at ERAU. You do not have to be present to win the grand prizes.

## License Testing

by Don Bauer, WB7TPH

The next scheduled license test is **Saturday, January 19, 2019**. The time is 0900 MST (9:00 a.m.) at the Jeep Posse Building. At our November 17, 2018 test session, we had 14 candidates. When all was said and done, we now have 8 new Technicians, 3 new Generals and two new Extras. Two people started out with no license and passed both the Technician and General tests, and our two Extra class candidates both got perfect scores. Wow!

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!](#)

## Upcoming License Testing

Date	City	Location	Time	Sponsor	Contact	Walk-in
01/19/19	Prescott	Jeep Posse Building	0900 MST (9 a.m.)	YARC	Don Bauer 928.775.4690	Yes
03/06/19	Prescott	Jeep Posse Building	0900 MST (9 a.m.)	YARC	Don Bauer 928.775.4690	Yes

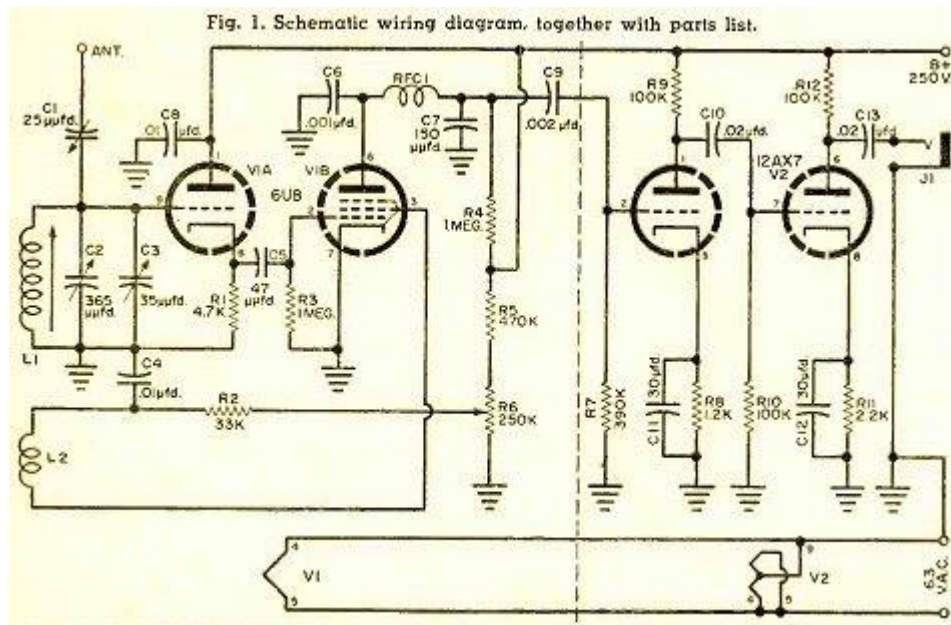
## Local Amateur Radio Operators Support SKYWARNTM Recognition Day

Las Vegas, NV. December 2nd – The National Weather Service (NWS) and the American Radio Relay League (ARRL) developed SKYWARNTM Recognition Day in 1999 to celebrate the contributions that SKYWARNTM volunteers make to the NWS mission, the protection of life and property. Amateur radio operators (also known as “hams”) comprise a large percentage of the SKYWARNTM volunteers across the country. These amateur radio operators provide vital communication between the NWS and emergency management if normal communications become inoperative. During the SKYWARNTM Special Event, operators visited NWS offices’ and attempted to contact other radio operators to gather information on local weather conditions. The 19th edition of SKYWARNTM Recognition Day was held on December 1, 2018.

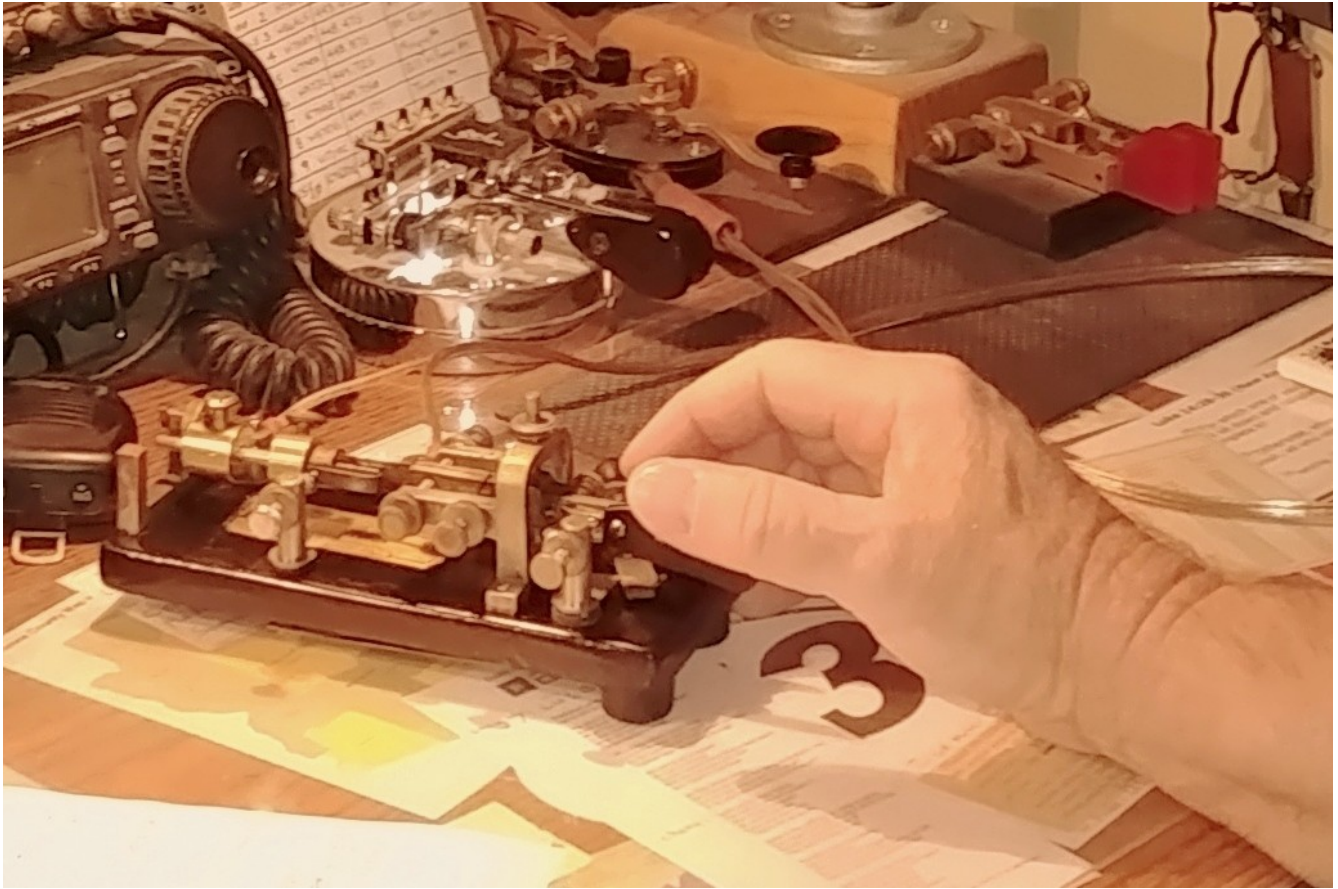
In Las Vegas, amateur radio operators gathered at the NWS office on Dean Martin Drive to operate their radios and interact with the local NWS office staff. Using RF (radio frequency) on various frequency bands, including both digital mode and VOIP methods, contacts were made with other SKYWARNTM participants at NWS locations throughout the country. Although band conditions were poor in the Las Vegas area, contacts were made by the 29 participants throughout the morning and early afternoon of December 1st. Using the call “WX7LAS”, a total of 19 official station contacts were logged, including the WX1AW bonus station.

Over the past year, the news has been full of reports of ham radio operators providing critical communications during unexpected emergencies in towns across America including the California wildfires, floods, tornadoes and other events worldwide. When trouble is brewing, Amateur Radio’s people are often the first to provide rescuers with critical information and communications. This event demonstrated the commitment by amateur radio operators to provide communications when needed.

Amateur Radio is growing in the US. There are now over 750,000 Amateur Radio licensees in the US, and more than 2.5 million around the world. Through the ARRL’s Amateur Radio Emergency Service program, ham volunteers provide emergency communications for thousands of state and local emergency response agencies and non-emergency community services too, all for free. To learn more about Amateur Radio, visit [www.arrl.org/what-is-ham-radio](http://www.arrl.org/what-is-ham-radio) .



Quiz — Name this circuit. What is it?



Jim Zimmerman N6KZ — Sending CW with a Vibroplex Semi-automatic Key  
(Photo courtesy of XYL Linda Zimmerman)

**Operating the Straight Key Century Club (SKCC) Weekend Sprint (WES), December 8-9, 2018**  
by Jim Zimmerman, N6KZ

[e-mail sent to AE7CG] — Loren,

It was good to work you in this past weekend's SKCC 2018 Winter WES. You were my only AZ contact and I appreciate the "rare" multiplier.

I used my 1918 Vibroplex Blue Racer bug to work 27 states in just 4 hours of operation on 20 and 40 meters. At one point, I was sending so fast that my bug's pendulum weight came loose and fell off, shorting the key's terminals. Very embarrassing, but a quick fix and I was back to pounding brass.

I enjoy repairing and restoring Vibroplex keys for my collection, but I also enjoy just operating them on SKCC frequencies and events. If anyone in the YARC is interested in learning CW, then I am willing to help mentor them with on-the-air coaching.

**Mt. Union Repeater Inter-modulation Noise**

The Mt. Union ARES/RACES repeater, **147.260 MHz [103.5 Hz (+) PL]** has been having inter-modulation noise problems. At his discretion, control operator Bud N7CW has turned the repeater "Off".

If you try to access the repeater and do not get a response, please go to the Mt. Francis repeater, **145.370 MHz [127.3 Hz (-) PL]**, and try there.

**W7YRC 2M FM Net — 147.260 MHz, PL +103.5 Hz — Wed., 1900 MST  
 Alternate Frequency: 145.370 MHz, PL -127.3 Hz  
 Note: NCS = Net Control Station**

Call	Name	11/21/18	11/28/18	12/05/18	12/12/18	12/19/18
AE7CG	Loren	NCS	NCS	NCS	NCS	NCS
K6VVR	Pete	x	x	x	x	x
KA5DWI	Art	x	x		x	x
KF7ANX	Frank		x			x
KF7FPD	Jerry	x		x	x	x
KF7INF	Dennis	x	x	x		
KF7PQV	Dan	x		x	x	
KG6AY	Art	x	x			x
W7HAM	Ralph	x	x	x	x	x
WA6AQK	Ken	x	x		x	x
WN7E	Tom	x	x	x	x	x
KG7EWD	Patrick	x	x	x		x
WA6FBA	Robert	x	x	x		
NO1D	Doug	x				
KI7LXI	Sheila	x				
KI7COM	Ray					x
KI7LWU	Tim		x	x	x	
KI7LWZ	Mike		x			x
K7LMJ	Mike		x	x	x	x
W7PVA	Bill	x	x	x	x	x
W7WWB	Ron				x	
KJ7WED	Bob		x	x	x	x
K6PSR	Tony	x	x		x	
N7IEP	Mike	x			x	
KK6PTO	John	x	x	x	x	
W1DGL	Mike			x		
KJ7CII	Dan			x		





### SSB NA QSO Party Operating Event – January 19, 2018

We are planning on operating the club station during the January 19 Single Sideband North America QSO Party, from 1100 to 1500 MST. This event is open to any interested individual, licensed or not. Bud Semon N7CW and Frank Bender K8FB will be hosting this event. For those inexperienced or new to amateur radio, Bud or Frank will show you how to operate the radio and do a simple exchange with radio operators all over North America. This is a fun, non-intimidating, event that can give you a hands-on introduction to what HF operating is all about. Come out and join in the fun and also meet other like-minded individuals.

The club station is at 1200 Commerce Drive in Prescott. GPS will not get you there exactly. The club station is in the Jeep Posse building, which is directly behind the skating rink at Pioneer Park. Look for the tower with all of the antennas.

**Contact: Frank Bender K8FB, [fhb47@hotmail.com](mailto:fhb47@hotmail.com), (928) 379-5575 (cell).**





### The Nomadic Ham Report for January 2019 by Rex Mauldin, N7NGM

I anticipate writing many articles this coming year which I think will be of interest to you the reader as I continue my journey on the road with my ham gear. For those of you watching my YouTube channel, the "Nomadic Ham" and or my Facebook page, you will see recently posted videos using my Kenwood TS-680 HF radio. I am currently on a learning curve regarding operation with a poor power system however it is a beginning and one that I will improve.

As for news worthy events, in mid-December local hams in the Yuma area set up a fusion repeater on Telegraph Pass, a large mountainous area to the east of Yuma which I have posted videos about on my channel. At this site are several repeaters, the new fusion machine on 449.925 MHz with a PL of 88.5 Hz which is the same peak for 448.00 MHz, PL of 100 Hz; 449.075 MHz, PL 88.5 Hz; 146.7MHz, PL 103.5 Hz and 448.62MHz, PL unknown. This repeater is a Cactus machine and therefore the PL is unpublished.

Two local repeaters that I am aware of that are not on the mountain are 146.62MHz, PL 103.5 Hz and 146.84 MHz, PL 88.5 Hz. There is another one that I am not sure of the location which is 146.88 MHz, PL 162.2 Hz. For anyone planning on camping out at Fortuna Pond as I have been doing, it is free camping with a 14 day limit. There appears to be plenty of camping spaces around the pond and so far I have found the south portion to be better for WiFi and cell phone coverage. The other lake, Redondo Pond to the north no longer allows free camping despite the booklet produced by the Game and Fish Department and Mittrey Lake doesn't provide overnight camping.

As for Fortuna Pond which is BLM land, the repeaters on Telegraph Pass are accessible with an HT and the 146.84 MHz repeater is accessible. I am told that this machine is low level, in a residential area to the east of Yuma. The 146.62 MHz machine is heard quite loud and leads someone to think that they can work it however it is not HT friendly. Most likely the cause is too high a power output setting and /or a weak receiver. I am told that this repeater is on Black Mountain which I am not sure of the location of at this time. I have also been told that the 927.4625 MHz repeater is on the air and uses a PL of 88.5 Hz which I do not have programmed in my Kenwood TK-981. I have talked with a local ham who has indicated to me that there is interest in promoting the 900 MHz band in the Yuma area. About this I will look into.

I am writing this article to help those of you who are planning on attending the hamfest in Yuma coming up in mid-February. Next month I plan to write about what I learn from the Thunderbird hamfest and the Quartzfest in the end of January. The month after that I will be writing about what I learn of frequencies used in the Tucson area and the Scottsdale hamfest. The April newsletter will cover that information and following that, the May issue will have information about the DeVry hamfest, one that I have not attended in many years. I have other travels I mind of which I will write about and post on YouTube. I hope that the information I provide will be of interest to you in case you plan to attend any of these events the following year.

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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](mailto: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**, 1100 MST to 1230 MST at **roving locations**. Contact Bob Rosevear WB7RRQ, 928-458-7830, [rosevear520@cablone.net](mailto:rosevear520@cablone.net); or Bob Smith WB6ODR, 928-443-9321, [lsmith@cablone.net](mailto: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”

Club Officers, 2019			
Officer	Name	Call Sign	Email Address
President	Bill Noe	W7PVA	<a href="mailto:w7pva@arri.net">w7pva@arri.net</a>
Vice President	Joseph Thomas	KG6IDN	<a href="mailto:vice.president@w7yrc.org">vice.president@w7yrc.org</a>
Treasurer	Jim Fortney	K6IYK	<a href="mailto:k6iyk@k6iyk.net">k6iyk@k6iyk.net</a>
Secretary	Art Jackson	KA5DWI	<a href="mailto:secretary@w7yrc.org">secretary@w7yrc.org</a>
Director	Dave Erlach	W7V SX	<a href="mailto:rocketdog@dslextrême">rocketdog@dslextrême</a>
Director	Ray Kolman	KI7COM	<a href="mailto:spudzman@gmail.com">spudzman@gmail.com</a>
Director	Sandy Meadowcroft	KF4JHC	<a href="mailto:sandymeado2@yahoo.com">sandymeado2@yahoo.com</a>
Director	Kathy Laing	KJ6KMK	<a href="mailto:kj6kmk.yarc@gmail.com">kj6kmk.yarc@gmail.com</a>
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Editor	Loren Singh	AE7CG	<a href="mailto:ae7cg@arri.net">ae7cg@arri.net</a>
Webmaster	Randy Dashiell	W6TYV	<a href="mailto:webmaster@w7yrc.org">webmaster@w7yrc.org</a>

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective January 26, 2017				
Name:	Call:	Lic. Class	Notes:	Telephone:
M. Bélanger	W1DGL	E	Rotating Member	420-0498
R. Redford	KG7LMI	G	Rotating Member	623-252-3980
T. Jackson	K6PSR	G	Rotating Member	562-644-0528
F. Bender	K8FB	E	Station Manager	379-5575
J. Zimmerman	N6KZ	E	Elmer Group	713-0542
A. Protas	KG6AY	E	Elmer Group	227-2954
D. Freeman	KV8TD	E	N7GMH Trustee	759-0958
B. Vlastelich	K7TSY	E	License Classes	583-7572
R. Dashiell	W6TYV	G	Dual Member	602-501-2571

**Note:** K. Laing KJ6KMK; P. Morrison K6VVR; B. Semon N7CW; and D. Bauer WB7TPH have station access, but are not to be contacted for station access.

