



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 33 – No. 1 – January 2018

Upcoming Club Events				
Event	Date	Time	Place	Contact / Info:
General Meeting	TH 01/04/18	1900 MST	PMHMS	Club Website
Fox Hunt	SUN 01/07/18	1300 MST	OneAZ Credit Union Parking Lot, GG Wy. & WC Rd.	Pete K6VVR or John WB9VGJ
YARC Breakfast	TH 01/18/18	0800 MST	BackBurner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Public Event Communications — Schedule— See page 7.				
License Testing — Schedule — See page 8.				
General Meeting Programs — See page 4.				

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
Please register to get on the club's email distribution list and also gain access to the members'-only area of the website. The members'-only area contains the club roster and detailed club treasurer's reports. To register, go to www.w7yrc.org , click "Join Us" and then select "Registration." Fill out the requested information, and then click "Register." The webmaster will then verify your membership and authorize your account. His response is not immediate in real time.

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 meets at 1900 MST on the first Thursday of every month in the technology classroom at Prescott Mile High Middle School, 300 South Granite Street in Prescott. Vehicular access to the school parking lot is via the entry at the intersection of South Montezuma Street and Carleton Street. Programs of interest are included as part of the meeting.

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
1¼M	FM	224.080 MHz	-156.7 Hz	Wednesday	1930 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 MST

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

Club Mentors (“Elmers”)

Name	Call Sign	Telephone Number
Art Protas	KG6AY	928-227-2954
Jim Zimmerman	N6KZ	928-713-0542

ask.elmer@w7yrc.org

Share Your Surplus Items

Bring any ham related surplus items that you no longer have a need to the next club meeting. **There will no longer be a table outside the building.** Instead there will be a table inside the room where refreshments are served where your items can be placed. Let your fellow club member take those things with them that they feel might be useful to them. 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. Place your bagged items on Terry's desk when you come in.



From the President's Desk
by Kathy Laing, KJ6KMK

Two-thousand-seventeen (2017) was a very full year for YARC. As I reported in my end-of-the-year presentation at the December 7 general meeting, we added 73 new members and YARC members contributed 1996½ hours to public service events. The time contributed is equal to 1 person working 8 hours a day for 250 days. Thank you for all your service to the community!

We will be having a lot of opportunities to use the YARC club station this coming year. Be ready for all the opportunities for you to use the station for upcoming events and contests.

Please look at the request for volunteers that I have posted elsewhere in this newsletter. We need help with a program chairman, a public service administrator, and an assistant public information officer. Anyone who is willing to help can contact me at kj6kmk.yarc@gmail.com. We will give a lot of assistance to anyone who volunteers.

I hope you all have a very safe and healthy holiday season, and see you all in January for the start of a great new year 2018.



New Members

The following new YARC members were voted in at the December 7, 2017 general meeting. Please introduce yourself to them and make them feel welcome:

Rodney Goodman KB7TGX	Maria Goodman KB7TGY	Karen Sampson KI7RZH	Calvin Greer (no call)	Stephanie Russell (no call)
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Mike N7IEP

TREASURER'S REPORT Nov 2017	General Fund	Repeater Fund	Prescott Hamfest Fund
BEGINING CASH -October 31, 2017	6,997.46	3,375.32	1763.30
Dues	270.00	30.00	
Donations			
50/50 drawing	41.00		
PHF 2018 Registration			50.00
Misc. < \$50	(2.64)		(1.92)
TOTAL INCOME	308.36	30.00	48.08
PHF 2018 Tickets Frank K8FB			100.06
NRA Special Event Loren AE7CG	15.57		
Misc. < \$50	44.00		
TOTAL EXPENSES	59.57	0.00	100.06
CASH - November 30, 2017	7,246.25	3,405.32	1711.32

** Detailed statements are posted on www.W7YRC.org

General Meeting Programs

December Program – December's program was a member appreciation party. Robert Reister WA6FBA gave a presentation of the new YARC membership database available on the club website. Kathy Laing KJ6KMK also gave a presentation about thanking all the volunteers who helped to make the club successful in calendar year 2017.

January Program – Doug Theriault NO1D and John Laing K7PRS will be presenting "Tips to Make Your Station More Effective".

February Program – John Broughton WB9VGJ will be presenting an overview of "The New FT8 Digital Mode".

November 30, 2017 Board of Director's Meeting

Minutes

Present at meeting:

Kathy-KJ6KMK, Frank-K8FB, Art-KG6AY, Mike-N7IEP, Rex-N7NGM, John-AB9JS Art-KA5DWI.

Meeting called to Order by KJ6KMK at: 1800 MST

Old Business:

The November 2017 board and general meeting minutes and the October 2017 treasurer's report have been published in the December newsletter:

General fund-\$6944.43, repeater fund - \$3136.19, Hamfest fund – \$1763.30.

☐ A motion was made by Art-KG6AY to approve the minutes as published; seconded by John-AB9JS. Motion passed.

Need to send \$50 donation to ARRL for the Lloyd Halgunseth (WA6ZZJ) Memorial

☐ Check will be made out to ARRL Foundation and formed filled to Foundation. Mike-N7IEP will issue check for YARC.

Hamfest update – Frank K8FB

☐ Hamfest Website is complete

☐ The Davis Learning Center is being remodeled/renovated during the Hamfest. The alternative is to have seminar activities at the STEM Building. Site survey scheduled December 16 or 17.

☐ 5,000 - \$1 Raffle Tickets have been purchased. Purchase begins at December General Meeting.

☐ Frank K8FB proposed a two part grand prize ticket promotion for the 2018 Prescott Hamfest at ERAU. Beginning at the January YARC meeting, he will draw a name from all YARC members who have ordered \$10 Grand Prize tickets online for the previous calendar month or at the current monthly general meeting will be eligible in a drawing for 20 grand prize tickets. He will do this for YARC meetings from January through May. This will result in 100 tickets total to be disbursed in this manner. This would encourage the purchase of tickets online by members only. One entry per month will be allowed regardless of the number of tickets purchased (\$10) for month.

☐ One time offer of 50 Tickets free of charge to the Eagle Amateur Radio Club (ARC) for disbursement to their members or for use by the club. Would show some appreciation of the benefit of our association with Eagle ARC to their club.

Approximately two tickets per member. Distribution up to Eagle ARC.

☐ A motion was made by Frank-K8FB to donate \$50 of grand prize tickets to the Eagle ARC. Mike-N7IEP seconded. Motion passed.

Update on the new membership database and website – K8FB

☐ Many thanks to Robert Reister - WA6FBA for his work. Email attachments fixed.

Upcoming Programs:

December –Introduction of the new membership database.; YARC year-end report and thanks to members

January – Tips to make your station more effective - John-K7PRS and Doug-NO1D

New Business:

Schedule of activities for the YARC Club Station is being completed – Frank K8FB

Preparation of the draft 2018 budget to be completed in December – Mike N7IEP

Menu pricing for YARC party in April 2018 – Kathy – KJ6KMK

☐ Cost projections based on 80 meals purchased.

Motion made by Art-KA5DWI to keep prices the same as prior year. Seconded by John AB9JS. Motioned passed.

Hams for Operation Santa' Elves (kids to reach Santa) has one volunteer – Kathy-KJ6KMK

Any additional business before the Board

☐ QRZ.com page update and QSL cards – Art KG6AY

☐ Erika K17JZ is in the medical center and visitors or phone calls would be appreciated.

☐ Electric hoist/ tower crank tabled to next meeting

Adjournment:: KJ6KMK adjourned the meeting at 1946 MST.

Yavapai Amateur Radio Club - General Meeting - December 7, 2017
=====Minutes=====

Meeting called to Order by Kathy KJ6KMK at 1900 MST. Pledge of Allegiance led by Kathy-KJ6KMK.

Welcome of new members; treasurer's report and meeting minutes:

The November 2017 board and general meeting minutes and the October

2017 treasurer's report have been published in the December newsletter (General fund-\$6944.43, repeater fund - \$3136.19, Hamfest fund – \$1763.30):

▣ A motion was made by Pete Morrison-K6VVR to accept the report and minutes. The motion was seconded by Bob Sitterly-K7POF; Motion passed.

Hamfest Update – Frank K8FB

▣ Beginning at the January YARC meeting, draw a name and award 20 grand prize tickets to the winner to any YARC members who have ordered at least \$10.00 in grand prize tickets either online (only or the previous calendar month) or at the current meeting. This will be effective January through May. The monthly drawing occurs at each general meeting.

Welcome of visitors: Rod Goodman – KB7TGX; Maria Goodman – KB7TGY; Calvin Greer and Stephanie Russell.

Welcome of new members: Rod Goodman – KB7TGX; Maria Goodman – KB7TGY; Karen Simpson – K17RZH.

▣ A motion was made by Bill Noe - W7PVA to accept the new members and was seconded by John Stevens – AB9JS; motion passed. Later in the meeting, the following new members were accepted into the club:

Calvin Greer and Stephanie Russell.

▣ A motion was made by Terry Pemberton-KB7TRE to accept the newmembers and was seconded Pete Morrison-K6VVR; motion passed.

New Business:

Foundation For Prescott Education: Terry Pemberton - KB7TRE requested donations to be used for the TV station at Prescott Mile High Middle School. YARC asked the membership for support. Donations should be completed on a Tax Credit Form for the PUSD indicating the Technology Students Club. Terry has these forms. The YARC Secretary (Art Jackson-KA5DWI) also can provide them.

MESH Items: Jon Lee- KJ7ON Assistant Coordinator for RACES had items from the project for sale.

Committee Reports:

▣ YARC Event Communications – Frank K8FB: Next events in 2018 (Sedona Marathon and Whiskey Row Run)

▣ Club Repeaters – Pete K6VVR and Doug NO1D: All Repeaters in good operations.

▣ Fox Hunt – Pete K6VVR and John WB9VGJ: Rescheduled for Sunday December 17.

▣ Elmer Group – Jim N6KZ/ Art KG6AY: About 6 installations. New Hams see Jim or Art. Art-KG6AY will do one-on-one appointments at the club station. Tim Norton-K7PVY has equipment to lend.

▣ VE Exam, Kathy KJ6KMK: Next exam January 13, 2018. Last Exam 14 tested, 14 passed.

▣ YARC Annual Party – Kathy KJ6KMK: Will occur on April 7, 2018 at the Centennial Center and will have both sugar and sugar-free desserts. Can order dinners on the YARC website.

December Program: Introduction of the new membership database - Robert Reister-WA6FBA; YARC thanks to members – Kathy – KJ6KMK: 2017 – 73 new members; classes for Technician and General held throughout the year; VE testing - 89 tested and 83 passed exams; 70 attended dinner, approximately 600 attended Prescott Hamfest; Doug- NO1D repaired 1 repeater and rebuilt 2 morer for Jeep Posse and AZ Rangers; 5 on-the- air special events, 13 public service events; Elmer Group worked 44 days on take-downs and installations, installation of Jeep Posse club station.

Upcoming Programs: January – Tips to help make your station more effective – Doug NO1D and John K7PRS;

Break; 50/50 drawing won by Bill Barnard W6ST \$45.

ARRL and Code of Conduct – Issues regarding the sanction of the Southwest Director Dick Norton (N6AA) addressed by Jim Fortney K6IYK.

Adjournment:: KJ6KMK adjourned the meeting at 2045 MST.

2018 Public Event Communications Schedule

1. **Sedona Marathon** – February 3, 2018 (MARC) – Contact Frank Bender K8FB (fhb47@hotmail.com)
2. **Whiskey Basin Trail Run** – April 14, 2018 (MARC) – Contact Frank Bender K8FB (fhb47@hotmail.com)
3. **Whiskey Off Road Bike Event** – April 27, 28, & 29, 2018 (MARC) – Contact Frank Bender K8FB (fhb47@hotmail.com)
4. **Whiskey Row Marathon** – May 5, 2018 (MARC) – Contact John Broughton WB9VGJ (wb9vgj@arrl.net)
5. **Chino Grinder** – May 5, 2018 – Contact Bob Thompson KC8BOB (bobnstar@cableone.net)
6. **Groom Creek Mountain Mayhem** – May 2018 (MARC) – Contact: Dottie Akers WF7DS (dottie.akers@gmail.com)
7. **Yarnell Memorial Run** – June 2, 2018 – Contact Doug Jarmoth N0DAJ (n0daj1950@gmail.com)
8. **March of Dimes Walk for Babies** – August 2018 – **Need Coordinator**
9. **Skull Valley Loop Challenge** – September 2018 – (MARC) Contact Dottie Akers WF7DS (dottie.akers@gmail.com)
10. **Groom Creek Classic** – September 2018 (MARC) – Contact Dottie Akers WF7DS (dottie.akers@gmail.com)
11. **Prescott Road Rally** – October 2018 (MARC) – Contact Bob Rosevear WB7RRQ (rosevear520@cableone.net)
12. **Man/ Horse Race** – October 2018 – **Need Coordinator**
13. **Diabetes Walkathon** – October 2018 – Contact John Broughton WB9VGJ (wb9vgj@arrl.net)

Public Event Communications — Volunteer Sign-ups

We are now accepting volunteer sign-ups for the following events:

- ☐ **Sedona Marathon – February 3, 2018** (<https://sedonamarathon.com/>)
- ☐ **Whiskey Basin Trail Run (Prescott Circle Trail) – April 14, 2018** (<https://www.aravaiparunning.com/whiskey-basin/>)

ARES/RACES is providing the MARC communications vehicle and a net control operator for these two events. Public service events are a major focus of our club's activities. Come out, improve your emergency preparedness, improve your operating skills, and assist your community.

Don't worry if you are inexperienced. We will team you up with someone who can show you the ropes. You don't have to be a YARC member to participate. If you wish to sign up for one of these events, contact Frank Bender K8FB (k8fb@w7yrc.org).

You can find these and other upcoming public service events on the club website at <http://www.w7yrc.org/public-service-events/>.

Club Volunteers Needed for 2018

Looking forward to 2018, we need volunteers willing to help out with some club responsibilities:

Program Chairman – Don Bauer, WB7TPH, has been the Program Chair, but due to other responsibilities would like to retire from this position. The program chair is responsible for obtaining speakers for the club meetings each month. Please send me an email to KJ6KMK.YARC@gmail.com if you are interested.

Public Service Event Administrator – Need a volunteer who will help find event coordinators if one is not identified and ensure the required paperwork is completed for each event.

Public Information Officer (PIO) – Don Bauer, WB7TPH is the current PIO; however he needs a second-in-command willing to learn how to work with the media to publicize the club's activities. If you are interested in learning how to work with the media or have experience working with the media, Don would really like to hear from you.

For Sale

Dentron MLA 2500 HF Linear Amplifier

with two extra in-the-box final tubes complete with Dentron W-2 wattmeter — **\$500 firm**

Kenwood PC-1A Phone Patch — \$10

Robert M. Shewchuk, W7GQ — 928.717.0848

2018 Prescott Hamfest at ERAU

The 2018 Prescott Hamfest at ERAU will be held on June 1 and 2, 2018 at Embry-Riddle Aeronautical University (ERAU). This year's hamfest will be a full two-day event, with tailgating, indoor and outdoor commercial vendors, YARC consignment sales booth, test bench, technical seminars, youth activities, technician license exam review, VE license exams, special event station, Arizona Near Space Research (ANSR) balloon launch, Grand Prize and hourly prize drawings, ARRL booth, ARRL QSL card checking, and food concessions. This year the hamfest will also be hosting the ARRL Arizona State Convention, as well as the Amateur Radio Council of Arizona (ARCA) annual meeting and annual repeater council meeting.

The Prescott Hamfest at ERAU is co-sponsored by the Eagle Amateur Radio Club (EARC) at ERAU, YARC, and the Amateur Radio Council of Arizona (ARCA) – and is an ARRL sanctioned hamfest. We will be hosting the 2018 Arizona State ARRL Convention.

We are making a special offer to YARC members. Each month, for those members who make at least one purchase of grand prize raffle tickets online, your name will be put in a drawing to be made at the next club meeting. The winner of the drawing will be awarded 20 grand prize raffle tickets. At the club meeting, members who purchase at least \$10 worth of raffle tickets will also have their name entered in the drawing.

A drawing will be held each month, January through May for online ticket purchases made during the previous month only. The ticket drawing will be done after the break in the meeting. A member's name can only be entered one time each month, regardless of how many tickets are purchased that month. Raffle tickets can be also be purchased online by using PayPal or a credit card by going to <http://hamfest.w7yrc.org/prizes/> . The list of current grand prizes can also be found at that site.

If you would like to volunteer to help out during the hamfest, go to <http://hamfest.w7yrc.org/volunteer/> , fill out the volunteer form with your preferences and submit the form. If you would like to help with the hamfest planning, contact Frank Bender, K8FB at k8fb@w7yrc.org . For additional details go to the hamfest website, www.prescotthamfest.com .

Upcoming License Testing

Date	City	Location	Time	Sponsor	Contact	Walk-in
01/02/18	Prescott Valley	Trinity Lutheran Church, 3950 Valorie Dr.	1830 MST	PV Ham Study Group	Jim Scherfling 928-632-2050	Yes
01/13/18	Prescott	Jeep Posse Building	0900 MST	YARC	Don Bauer 928-775-4690	Yes
03/06/18	Prescott Valley	Trinity Lutheran Church, 3950 Valorie Dr.	1830 MST	PV Ham Study Group	Jim Scherfling 928-632-2050	Yes
03/10/18	Prescott	Jeep Posse Building	0900 MST	YARC	Don Bauer 928-775-4690	Yes

Verde Valley Amateur Radio Associaton
Christmas Party
The Grill at Stoneridge — Prescott Valley, Arizona
December 9, 2017

(Photos courtesy of Bob Rosevear WB7RRQ and Carol Hills KA7LKW)



Bob KC8BOB



Tony K6PSR



Leo KF7KXH



Ernie K7IOG



Carol KA7LKW



Upper Photo: Judy KC7MTY and Bob WB7RRQ
Lower Photo: Dave WN7L, Bob WB6ODR, and Sue KF7ANT

(Photos courtesy of Bob Rosevear WB7RRQ and Carol Hills KA7LKW)



December 2017 Foxhunt
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, December 17, 2017. Pete K6VVR and Jerry KF7FPD were the foxes. There were two teams for this hunt: 1) Robert WA6FBA, Bob WB6ODR, and Gary K6JXM; and 2) Jeff WB7RFY and John WB9VGJ.

The results of the hunt were:

Place	Team	Time
1	WA6FBA, WB6ODR, and K6JXM	37 min.
—	WB7RFY and WB9VGJ	DNF

We were joined by a new hunter for this hunt, Gary K6JXM. He and his wife recently moved here from California and he said this was his first foxhunt in 50 years. With him being on the winning team, which found the hidden transmitters quickly, I'm sure he will be spoiled for future hunts, which he says he will participate in.

This was a most interesting and challenging hunt. The signal was very weak at the starting point. Jeff and I headed south as we thought the signal would get stronger in that direction. The other team headed west on Iron Springs Road, which turned to be very wise as the transmitters were hidden on Angus Drive between Iron Springs Road and West Pine Lakes Drive.

The winning team found the transmitters very quickly. Robert's Doppler setup works very well. Congratulations to the winners.

Jeff and I lost the signal soon after leaving the starting point, so we drove up to the Pioneer Home, figuring we'd get a signal at that high point. We heard a signal for just a couple of seconds, so we had to call the foxes and ask what area we should go to. Having been told the general area, we were able to locate the foxes, but we did not hunt the individual transmitters as we had assistance in finding the hiding location. We'll hope for better luck next month.

You can see pictures of the hunt here:

<https://tinyurl.com/YARCfoxhuntDecember2017>

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

FT-8: I'm not really feeling the magic
by Dan Romanchik, KB6NU

Partly out of curiosity and partly because my friend Jeff KE9V shamed me into it, I setup my Signalink interface, downloaded WSJT-X from <https://physics.princeton.edu/pulsar/k1jt/wsjt.html> , and started operating FT-8, the latest “shiny object” (as the ARRL dubbed it) from the K1JT team. As you probably know, this mode has really caught on with the digital crowd, and the waterfall is chock full of FT-8 signals. Part of the reason for this is that it has some of the characteristics of JT-65, but is not as excruciatingly slow.

[Download this image from <http://www.kb6nu.com/wp-content/uploads/2017/11/ft-8-waterfall-20171123.jpg>]
CAPTION: A waterfall display generated by WSJT-X at 7:30 pm, 11/23/17.

Over the past couple of days, I've made 32 QSOs, including a couple of DX contacts. It's been fun to try something new, but to be honest, I'm not really feeling the magic. Part of it is that I don't feel like I'm really doing anything. I downloaded the software, plugged in my digital interface, fooled around with the settings a bit, and then, the computer started making contacts. I have to click a few on-screen controls to make contacts, but even that's a step that could be easily programmed in by the WSJT-X developers. (In fact, I wonder why they haven't done that already!)

[Download this image from <http://www.kb6nu.com/wp-content/uploads/2017/11/ft-8-waterfall-20171123.jpg>]
CAPTION: WSJT-X screenshot. The sequence of transmissions in the Rx Frequency window comprises a contact.

Take a look at the screenshot above to see how a typical contact happens. When a CQ appears in the “Band Activity” window, you double click on it. When you do this, the software begins listening for signals on that frequency. In this case, I double-clicked on the CQ by WA9THI. When I double-clicked on the CQ, the program began decoding signals on that frequency and display the transmissions in the “Rx Frequency” window.

Then, I clicked on “Enable TX” and the program began the contact sequence, sending “WA9THI KB6NU EN82.” EN82 is my grid designator. This is shown as the first yellow line in the Rx Frequency window. The transmissions that I sent are highlighted in yellow. The transmissions sent by WA9THI are highlighted in red.

The sequence of transmissions shown there comprise a complete contact, and that whole process takes less than two minutes. And, once WA9THI received my first transmission, the sequence is all automatic. You just sit there and watch the two computers talk to one another.

While I can certainly appreciate the thought and the work that went into the design of the protocol and programming to implement it, sitting and watching the computers talk to one another just doesn't excite me. On the other hand, if you're one of those guys who wants to make contacts, but doesn't really want to talk to anyone, than this is the mode for you!

Here are a few more notes about FT-8 operation:

- Not surprisingly, synchronizing your computer with the other stations computer is very important. To do that, you need to get your computer to use the network time protocol (NTP). I failed to do this when I first installed WSJT-X, and while my waterfall was full of FT-8 signals, WSJT-X just wouldn't decode them.
 - I got my PC laptop to talk NTP by installing Meinberg NTP software (<http://www.ntp.org/ntpfaq/NTP-s-def.htm>). Once I did that, WSJT-X magically started decoding transmissions.
 - Most of the cool guys seem to be using Meinberg NTP, but there are other options. One of the guys in our club is using a program called Dimension 4, for example.
 - Apparently, you don't have to limit your power output as you would with PSK-31. At first, I set my output power to 10 W. I had a bit of success at 10 W, but I expected more. When I asked on Twitter how much power other guys were using, most of them said that they were using more than that.
 - For the last couple of sessions, I've been setting my output power to 25 W, and I've been having more success. I've now worked several Europeans on 30m.
 - WSJT-X works “split.” While most contacts take place on the same frequency, a station can call you anywhere in the passband of your receiver and WSJT-X will decode the signal and begin a contact. This threw me the first time or two that this happened, and I tried to change my transmit frequency to match the other
 - Even at 25 W, my signal reports are more often than not not as good as the signal reports I'm handing out. I haven't figured this one out yet. This doesn't happen to me when I'm operating CW, so I don't think it's my antenna.
 - When I'm operating, I write down the calls of stations I've contacted. The reason for this is that while WSJT-X does have a logging function, it doesn't have a log window, so unless you have a great memory, you could end up working guys twostation's. In doing so, I messed up the sequence. I now just let the contact proceed normally, and it works out great.
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- When I work the other digital modes, I set my IC-746PRO to the USB-D mode. In this mode, the receive passband is narrower than for working phone. When operating FT-8, however, you don't want to limit that passband. Signals will appear across the entire 2.6 kHz of the USB signal, and if you narrow the passband, you won't be able to work those stations.

- WSJT-X checks the validity of call signs. This afternoon, there was a guy who had typed in his call as "WAMAD" and was calling CQ. WSJT-X wouldn't let me answer that CQ.

- Operating this mode opens up the possibility of working more stations whose callsigns spell words and adding those QSL cards to my collection. I have, for example, already worked K1GUY, N4HER, and N5SLY. I'm guessing that these guys don't operate CW.

All told, I've found this to be an interesting foray into a new digital mode. While I'm not feeling the magic that some others seem to be feeling when operating FT-8, it certainly will be a change of pace to operate this mode from time to time. Give it a shot and tell me what you think.

Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides and blogs about amateur radio at KB6NU.Com. When he's not working FT-8, he teaches ham radio classes and operates CW on the HF bands. You can email him at cwgeek@kb6nu.com.

— For Sale —

Contact: Brian J. Miller, WA7NS — bm041952@gmail.com — 928.202.6599

Brand	Quantity	Description	Price
Yaesu		All equipment works but needs mega-cleaning and alignment. The FL-2100 amplifier has new tubes plus a new spare set comes with the amp. Also new power supply capacitors and bleeder resistors are included but not installed. All the Yaesu equipment should sell together as they make a complete station. All Yaesu line works. But needs cleaning, alignment and a new set of tubes would not hurt.	\$700
	1	FT-101EE	
	1	FV-101B Remote VFO for FT-101EE	
	1	SP-101 Speaker	
	1	FL-2100 Amplifier	
	1	Desk Microphone	
Kenwood	2	TS-120 units, no power cords or microphones. Neither works properly; one unit for parts to fix the other unit.	\$100
	1	TS-430 with microphone, power cord, and mobile mounting bracket. Works fine, needs cleaning up.	\$300
	1	TS-520 with SP-500 speaker – Works, but needs mega-cleaning.	\$200
	1	TS-140 with power cord that needs to be made up. Unit works.	\$250
Icom	1	IC-551 6M transceiver, not working. Needs repair or for parts.	\$100

For Sale — High Voltage Transformers

Anyone building an amplifier and need a plate transformer? Either of these piles of iron could produce some very lethal voltages. T1 (photo below) looks like 2450 V CT and T2 looks like 2870 V.

Email me: Bob Smith WB6ODR Lrsmith@cableone.net . Either one is \$50.00 or best offer.



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

Call	Name	11/22/17	11/29/17	12/06/17	12/13/17
AE7CG	Loren	NCS	NCS	NCS	NCS
K6VVR	Pete	x	x	x	x
K7DCT	Andrew	x		x	x
KA5DWI	Art	x	x	x	x
KF7ANX	Frank				x
KF7FPD	Jerry	x	x	x	x
KF7PQV	Dan	x			x
KG6AY	Art		x	x	x
W7HAM	Ralph	x	x	x	x
WA6AQK	Ken	x	x	x	x
WN7E	Tom	x	x	x	x
KF7INF	Dennis	x	x		
KG7EWD	Patrick		x	x	
KG6IDN	Joe		x		
WA6FBA	Robert	x	x	x	x
NO1D	Doug	x	x		x
KI7LXI	Sheila	x	x		x
KI7GES	Robert		x		
KI7LWZ	Mike			x	x
KB7TRE	Terry			x	
KG7GLK	Neil	x			
KG7LMJ	Mike	x	x		x
KD7OIW	Peter		x		
W7OTB	Vince		x		x
W7PVA	Bill	x	x	x	x
N6RW	Robert			x	
K1PMS	Patti	x			



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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**, 1100 MST to 1230 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”

Club Officers, 2018

Officer	Name	Call Sign	Email Address
President	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
Vice President	Joseph Thomas	KG6IDN	vice.president@w7yrc.org
Treasurer	Mike Reid	N7IEP	treasurer@w7yrc.org
Secretary	Art Jackson	KA5DWI	secretary@w7yrc.org
Director	Don Bauer	WB7TPH	wb7tph@w7yrc.org
Director	David Hanson	W7BJ	w7bj@wq7yrc.org
Director	John Laing	K7PRS	k7prs@w7yrc.org
Director	Frank Bender	K8FB	fhb47@hotmail.com
Editor Emeritus	Joseph Oliver	AC6AA	joliver@cableone.net
Editor	Loren Singh	AE7CG	ae7cg@arri.net
Webmaster	Randy Dashiell	W6TYV	webmaster@w7yrc.org

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective January 26, 2017

Name:	Call:	Lic. Class	Notes:	Telephone:
D. Hanson	W7BJ	E	Rotating Member	602-615-3444
R. Mauldin	N7NGM	E	Rotating Member	277-7164
M. Belanger	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

