



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 32 – No. 5 – May 2017

Upcoming Club Events				
Event:	Date:	Time:	Place:	Contact/Info:
General Meeting	TH 05/04/17	1900 MST	PMHMS	Club Website
Fox Hunt	SUN 05/07/17	1300 MST	OneAZ Credit Union Parking Lot, GG Wy. & WC Rd.	Pete K6VVR or John WB9VGJ
YARC Breakfast	TH 05/18/17	0800 MST	BackBurner Restaurant, Prescott Valley	Don WB7TPH or Jeff WB7RFY
Public Service Event Communications — Spring 2017 YARC Event Schedule — See page 9.				
License Testing Schedule — See page 9.				

YARC:	Badges	Patches	Shirts
Features:	Name & Call	Club Name & Logo	With or Without Name & Call
Contact Person(s):	Dan Simpson AE7IH or Erica Simpson KF7MAU	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

Hope everyone had a very Happy Easter Sunday. It was a beautiful day. We had 8 new members approved for membership at the April YARC meeting. This brings our membership to over 275 members. We have also completed a Technician class of another 23 potential members as well as a General class of 10 which just completed. Our club is continuing to grow and I have been told we are the largest club in the Southwest Division. We also have plans for additional classes this year as well as a full curriculum of license classes next year.

It is all well and good that our club is growing, but for us to be a truly viable club we need more active members. Now being an active member can be as easy as volunteering to serve as an officer or on the board, helping out at a public service event, helping at the hamfest or at Field Day. The value of a club is in its membership - so help maintain YARC's reputation as a club which provides service and support to both the amateur radio community as well as the quad-city communities.

We will need the following help during Field Day (June 24–25 with set-up on June 23); a Field Day coordinator (who can organize the event); a station captain; hams who can help log; as well as hams who want to operate. If you would like to help out on Field Day, contact me at KJ6KMK.YARC@gmail.com . At Field Day, there will be food provided and a rumor of cookies for volunteers!

Public service events are also a good way to begin becoming comfortable operating your radios. If you volunteer for one of the races, you will be teamed up with an experienced ham - someone who has worked the races before and who can help you get comfortable. There are a number of opportunities coming up through out the spring and summer months with our last race, the Man – Horse Race, in the autumn. So take a chance- volunteer and make new friends as well as helping show our communities the value of amateur radio.

On a lighter note, on April 25, John K7PRS and I will be talking about amateur radio to approximately 150 first grade students (6 and 7 year olds) at Territorial Elementary School in Chino Valley. It will just be an introduction to an "old" technology which has a very "now" application. Wish us luck.



Mike N7IEP

	TREASURER'S REPORT	General	Repeater	Prescott Hamfest
	March 2017	Fund	Fund	Fund
	CASH – February 28, 2017	\$7,989.41	\$2,775.42	\$758.74
	Dues	\$108.00	\$12.00	
	Donations	\$250.00		
	Class book sales	\$345.00		
	PHF Hamfest Sales			\$212.55
	50/50 Raffle - net	\$79.50		
	Misc. < \$50	\$24.54	\$0.17	
	TOTAL INCOME	\$807.04	\$12.17	\$212.55
	Club Station Tower	\$1,624.01		
	ARCA Dues	\$35.00		
	Elmer expense	\$90.81		
	Class Books	\$359.20		
	Utilities – 3 mo. JP Bldg	\$120.00		
	WEB Host Annual Bill	\$95.40		
	Misc. < \$50	\$91.98		
	TOTAL EXPENSES	\$2,416.40	\$0.00	\$0.00
	CASH – March 31, 2017	\$6,380.05	\$2,787.59	\$971.29
** Detailed statements are posted on www.w7yrc.org				
Respectfully submitted by Mike Reid, N7IEP — Treasurer, Yavapai Amateur Radio Club				

Board of Director's Meeting

Date: March 30, 2017

=====MINUTES=====

Present at Meeting: N7NGM, AB9JS, KG6AY, K8FB, N7IEP, KA5DWI, and KJ6KMK.

Old Business:

The March 2017 board and general meeting minutes and the February 2017 treasurer's report has been published in the March 2017 Yavapai Signal (General fund \$7989.41; repeater fund \$2775.42; hamfest fund \$758.74).

☐ A motion was made by KG6AY to accept the minutes and the treasurer's report. Motion was seconded by KA5DWI. Motion passed.

Ratify the following expenditures;

- ☐ Steel rebar purchase for club tower was \$116.84 on debit card.
- ☐ President's app of General manuals for class \$134.60 on debit card.
- ☐ Board app of General license manuals for class \$224.60 on debit card.
- ☐ Jeep Posse quarterly utility expense of \$120 paid
- ☐ Website host expense of \$95.40 paid.
- ☐ A motion was made by AB9JS and seconded by N7NGM to ratify the expenditures. Motion passed.

Additional revenue:

- ☐ Received \$345 from sales of Technician class books.
- ☐ Received donation from KG7LMK of \$250 to tower project.

Additional topics;

- ☐ N7IEP will be collecting all badge money. AZ Graphix will bill us.
- ☐ Do we want to keep trade names?
- ☐ A motion was made by N7IEP and seconded by KA5DWI to have the treasurer reapply for trade names for the following: Yavapai Signal, YARC, Prescott Hamfest, and Yavapai Hamfest. Motioned passed.

Upcoming Programs:

April: K8FB – Special Events
May: Field Day presentation
June: AA7A – EME

Prescott Hamfest at ERAU - Update from K8FB:

- ☐ Raffle ticket sales update
- ☐ HRO has offered to sell us the Yaesu radios at cost. K8FB and N7IEP will pick up the radios at HRO after the DeVry Hamfest.
- ☐ Website development update – prescotthamfest.com
- ☐ RV dry camping reservations - This form can now be used to reserve a spot –Currently we are permitted 25 RV camping spots in summer storage lot and our overflow lots.
- ☐ Volunteer form – need more people to sign up

Status of ERAU contract – K8FB

☐ A motion was made by KG6AY and seconded by N7IEP that the board accept the contract and direct the president to sign it on behalf of YARC. Motion passed.

Status of the club tower installation – K8FB

☐ A motion was made by N7IEP and seconded by AB9JS to accept the proposal of the Jeep Posse that the \$240 due by YARC for the remaining year's utilities would be forgiven and the money seen as a donation to the tower fund. Motion was accepted. The remaining monies in the tower fund (\$266) would be used for completing the final installation of the tower and antennas.

New Business:

Member Suggestions – KV8TD

☐ KV8TD found a print shop in PV, Melcher Printing, who will do 2500 cards for about \$170. Overprinting for each member would be 5 cents for black or 7 to 10 cents per card for color. This is including set-up, so another run would be less. KV8TD is thinking of incorporating the logo on our website in the card. At that price, can the club afford to just hand out the cards to members in say, blocks of 100? The other option is to sell them at cost to the members, who would then arrange their own overprinting. No outside advertising is needed. (remove realtor's logo from sample card)

o The board is in favor of this suggestion and will look into the price for 2 sets of cards – one set for the club station and one set to have available for members. A motion was made by K8FB and seconded by KA5DWI to accept the idea but table the details for now. Motion passed.

— 501C (3) status for the club – It has been suggested that we investigate the concept of a 501C (3) status for the club. It would be beneficial for not only receiving donations, but also for the hamfest to encourage vendor donations. W7BJ has agreed to discuss this topic with the board.

□ W7BJ has agreed to discuss this topic with the board. He presented his information to the Board on the pros and cons for filing for a 501C(3) status for YARC. After a lot of discussion the board decided that it was not feasible for YARC to change it status at this time. The disadvantages outweighed the advantages for YARC. However the board decided to consider a 501C(3) status for the Prescott Hamfest Foundation when it is deemed prudent to organize it as a separate entity.

— Discussion of board members goals for 2017. Board members will review the goals for later discussion.

Adjournment: KJ6KMK adjourned the meeting at 2010 MST.

**Yavapai Amateur Radio Club
General Meeting
Date: April 6, 2017**

=====MINUTES=====

Call to order at: 1900 MST.

Pledge of Allegiance: KJ6KMK

Welcome visitors: KJ6KMK welcomed visitors to the YARC meeting.

New Members			
Tim Dixon KI7LWU	Hal Miller KI7LWY	Tim Norton KI7LXC	Pat Darden W6PDD
Doug Hughes KI7LWX	Bruce McDowell KI7LXA	Carolyn Yancey KI7IPK	Richard Yancey KI7IPL

□ A motion was made by AB9JS and seconded by KE7BSY to accept the six new members as presented. Motion passed.

□ Additional applicants KI7IPK and KI7IPL: A motion was made by KG6IDN and seconded by K7PRS to accept the two additional new members as presented. Motion passed.

□ Presentation by W6CCD of an Honorary Life Membership Award to Jan Halgunseth, widow of Lloyd Halgunseth WA6ZZJ for all the support she has provided over the years to YARC coverage of special events.

□ Update by KJ6KM about Arizona SB 1132 regarding providing \$17 to ARCA from the sale of amateur radio license plates – Gov. Ducey signed the bill on March 25, 2017 allowing \$17 of every amateur license plate sold to be donated ARCA.

□ ARCA Scholarships: Just a reminder that nominations for the 2017 ARCA Ham of the Year and the 2017 Young Ham of the Year are due to the ARCA mailbox no later than May 1, 2017. Get your nominations in! Also, applications for the 2017 ARCA Scholarship Award are due no later than May 1, 2017. You can find all the information regarding the above awards on the ARCA website, www.arca-az.org . Just click on the corresponding link at the left of the opening page.

□ Status of the club tower installation – K8FB

— KG7LMK donated \$250 to Tower Project

— Jeep Posse board proposed and YARC board voted to accepted the offer from the Jeep Posse to not charge YARC for utilities for the last two quarters of 2017 in lieu of compensation for the concrete and labor for the YARC tower at the Jeep Posse building. Value = \$240.

— Anonymous gift of \$300. for tower project

□ Prescott Hamfest at ERAU - K8FB

— Yaesu Grand Prizes – KG6AY reported that Yaesu will be one of the sponsors of the hamfest and will have a representative at the hamfest for a seminar on Saturday. He also gave highlights of the various grand prizes to be given away at the hamfest. Tickets are still available. Need not be present to win.

□ Program: - K8FB – Special Events

Frank gave a great presentation on the various special service events that YARC supports. He also mentioned that volunteers are still needed for all events. See the YARC website for additional information.

□ Upcoming Programs: May: Field Day Presentation; June: AA7A – EME.

Break: 15 minutes

50/50 Raffle: \$66. Won by KG7VQN.

□ Treasurer's report and general meeting minutes: the March 2017 board and general meeting minutes and the February 2017 treasurer's report have been published in the March Yavapai Signal (general fund \$7989.41; repeater fund \$2775.42; hamfest fund \$758.74). A motion was made by K6VVR and seconded by KA7LKW to approve the minutes and the treasurer's report as presented in the Yavapai Signal. Motion passed.

□ Committee Reports:

YARC Event Communications – K8FB; Club Repeaters – K6VVR / NO1D; Fox Hunt – K6VVR / WB9VGJ; Elmer Group – N6KZ; New Ham Classes – N6KZ / KG6AY – May 5, 2017; School Events – KB7TRE; VE Exam - WB7TPH – next exam May, 2017.

Adjournment: KJ6KMK adjourned the meeting at 2050 MST.



Jan Halgunseth
(Photo courtesy of John Broughton, WB9VGJ)

New Members Approved at April 6, 2017 General Meeting by Bill Noe, W7PVA			
Carolyn Yancey, KI7IPK	Richard Yancey, KI7IPL	Timothy Dixon, KI7LWU	Douglas Hughes, KI7LWX
Hal Miller, KI7LWY	Bruce McDowell KI7LXA	Tim Norton, KI7LXC	Julius (Pat) Darden, W6PDD
New Honorary Lifetime Member:			
Jan Halgunseth, wife of Lloyd Halgunseth, WA6ZZJ (SK)			

May 5, 2017 New/ Beginning Ham Session Postponed by Frank Bender, K8FB
At the last New/Beginning Ham session at the Jeep Posse building, we had determined that the next session would be May 5, 2017 . However, due to Elmer Group availability issues, we need to reschedule the May session.
Once a new date is set, hopefully sometime in May, an entry will be placed in the www.w7yrc.org Calendar and an announcement will be placed on the home page of the website.

Club Station Updates

by Jim Zimmerman, N6KZ and Frank Bender, K8FB

March 29, 2017

Here are photos taken by N6KZ on March 28, 2017 of the TX-455 tower base cement pouring at the Jeep Posse building. We plan to transfer the antennas from the 330-foot mobile tower trailer to this new 55-foot tower on or about the first week in May. The concrete needs to cure for at least 30 days.

New Club Station Shack — The new Jeep Posse garage is nearly complete. Once the Posse gets everything completed, it will move out of the northeast corner room. YARC will then begin building our new club station shack in this location. Once built out, our new shack will also serve as an alternate Emergency Operations Center (EOC) for ARES/RACES. The Jeep Posse will maintain several radios in our shack that it can use during their operational exercises.



License Testing
by Don Bauer, WB7TPH

Our next test session will be Saturday, May 13, 2017 — 0900 MST, Jeep Posse Building

We are experiencing a good number of recent Tech licensees who are returning to upgrade. This is a very good sign for a healthy amateur radio community, and of course good for the club. People who upgrade to General and Extra class licenses have generally found their niche and are committed to involvement in the hobby.

Congratulations to all you who have upgraded. We are looking to upgrade those who just finished the General license class hosted by Brian K7TSY and Creighton AD7YR.

Upcoming License Testing

Date	City	Location	Time	Sponsor	Contact	Walk-in
05/13/17	Prescott	Jeep Posse Building	0900 MST	YARC	Don Bauer 928-775-4690	Yes
06/09/17	Prescott	Embry-Riddle Aero. Univ.	1630 MST	YARC	Don Bauer 928-775-4690	Yes
07/18/17	Prescott	Jeep Posse Building	0900 MST	YARC	Don Bauer 928-775-4690	Yes

Upcoming Public Service Event Communications — Spring 2017 YARC Event Schedule

1. [Whiskey Basin Trail Run](#) – April 8, 2017 (MARC) – Contact Frank Bender K8FB (fhb47@hotmail.com)
2. [Whiskey Off Road Bike Event](#) – April 28, 29, & 30, 2017 (MARC) – Contact Frank Bender K8FB (fhb47@hotmail.com)
3. [Whiskey Row Marathon](#) – May 6, 2017 (MARC) – Contact John Broughton WB9VGJ (wb9vgj@arrl.net)
4. [Chino Grinder](#) – May 6, 2017 – Contact Bob Thompson KC8BOB (bobnstar@cablone.net)
5. [Groom Creek Mountain Mayhem](#) – May 20, 2017 (MARC) – Contact: Dottie Akers WF7DSA (WF7DSA@gmail.com)
6. [Yarnell Memorial Run](#) – June 3, 2017 – Contact Doug Jarmoth N0DAJ (n0daj1950@gmail.com)

ARES/RACES is continuing to supply the MARC and a net control operator for most of our 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. Please consider signing up for one of more of these events. You can find these and other upcoming public service events on the club website at <http://www.w7yrc.org/public-service-events/>.



Frank K8FB

Rob KG7LMI

Whiskey Basin Trail Run – April 8, 2017

by Frank Bender, K8FB

The Yavapai Amateur Radio Club provided event communications for the Whiskey Basin Trail Run on Saturday, April 8, 2017. Several hundred runners participated in the 10K, 31K, 55K, and 88K races using the Prescott Circle Trail. The 88K race began and finished at Watson Lake. The first race began at 0500 MST and the last runner came in sometime between 2000 and 2030 MST – it was a long day for most of us.

Rob Redford KG7LMI again brought the ARES/RACES MARC vehicle and was primary net control for the event. Many thanks go to the following amateurs who helped make our event communications a success:

Dottie WF7DSA	Bob KC8BOB	Phil N6EEI	Mike N7IEP	Frank K8FB	Brent KF7MMO	Randy W6TYV
Tracey KE6QZD	Joann KF7WOT	Terry KG7BAM	Steve KF7BSB	Sue KF7BSA	Marji KF7RIG	Ron AE7BK
Will AD7WW	Chris KG7GTZ	Neil KG7GLK	Patrick KE7VGW	Sandra KG7VQN	Dave KE7LVU	

Dave Overfield KE7LVU came up with his wife from Sun City, AZ. Dave's wife ran in one the races.

YARC General Meeting Programs

April Program: Public Service Event Communications

The April YARC club meeting program, titled "Public Service Event Communications", was presented by Frank Bender K8FB. A PDF format copy of the presentation can be found at <http://www.w7yrc.org/club-program-presentations/>.

May Program: Getting Ready For Field Day

Field Day will be held on June 24 and 25, 2017 at our club station at the Jeep Posse building on Commerce Drive. Our club picnic will also be held at the same location on Saturday afternoon, June 24. Come and learn all that you would like to know about Field Day and how you can participate, even if you are not licensed.

Prescott Hamfest at Embry-Riddle Aeronautical University (ERAU)

The Prescott Hamfest at ERAU will be held Friday afternoon, June 9 and all day Saturday, June 10, 2017 on the campus of Embry-Riddle Aeronautical University. Planned activities include: 1) tailgating; 2) YARC consignment sales; 3) vendors; 4) test bench; 5) GOTA station; 6) DXCC card checking; 7) VE sessions; 8) seminars; 9) tour of the Eagle Amateu Radio Club at ERAU; 10) ARRL Booth; and 10) prize drawings.

Yaesu has confirmed that they will be giving a presentation on their System Fusion (C4FM) at noon on Saturday, June 10, 2017 in the DLC auditorium. Yaesu will also have an indoor booth in the commercial sales area, where you can ask questions and get information about their products.

The hamfest is being co-sponsored by the Eagle Amateur Radio Club at ERAU, YARC, and ARCA. The Eagle ARC effort is being led by Braden Johel KJØHEL and Dec Conn W7DEC. The hamfest is also sanctioned by the ARRL.

The hamfest web site is www.prescotthamfest.com , where you can find the flyer and other information about the hamfest.

A limited number of free overnight RV dry camping spots on Friday, June 9, 2017 are available at the ERAU hamfest location. You can register online for a spot by going to <http://hamfest.w7yrc.org/friday-rv-camping/> .

If you want sign up to volunteer at the hamfest, you can go to the hamfest website and register online at <http://hamfest.w7yrc.org/volunteer/>.

You can order and pay for Grand Prize Raffle Tickets online by going to <http://hamfest.w7yrc.org/prizes/>. If you are a YARC member, Frank Bender K8FB can give you your ordered raffle tickets at the YARC meeting.

If you have any questions, contact Frank Bender K8FB (fhb47@hotmail.com), hamfest chairperson.

Volunteers Needed for the June Hamfest and Field Day

by Kathy Laing, KJ6KMK

The weather is warming up and a lot of trees and spring flowers are in bloom. At this time of year many a young (and older) ham's thoughts turn to hamfests and Field Day. While these events are fun to attend, they cannot succeed without a lot of support from our club members.

The club needs someone who can help organize the 2017 Field Day which occurs on the last weekend of June. If you volunteer you will have a lot of support to help you succeed. In addition to a coordinator, we also need operators to "work" the various stations for Field Day. Since Field Day also coincides with the YARC annual picnic we can all be assured of an excellent tri-tip meal prepared by our Field Day and picnic master chefs KG7BAM and KF7WOT as well as the possibility of homemade cookies (chocolate chip and peanut butter) for those who volunteer. Please consider volunteering and help to make your Field Day a success.

The Prescott Hamfest is scheduled for June 9 and 10. We need people to sign up for various activities such as registration, selling raffle tickets, etc. We also need people who can help us set up on Friday June 9 and to clean up at the end of the day on Saturday June 10. Even if you can only spare a few hours, your effort and dedication will be appreciated. This year we have asked everyone who volunteers also to pay the \$5 registration fee. However in return for volunteering you will receive \$5 worth of hourly prize tickets. So go to the website for the hamfest at www.prescotthamfest.com and complete a volunteer form in which you let us know when and where you would like to help. Volunteer and help make your hamfest a success!



Win a Comet Antenna Analyzer!

Jim Shryne of the DX Store – in conjunction with Comet/NGC – is donating a very nice antenna analyzer for the Prescott Hamfest. We are going to include this as one of our hamfest grand prizes, which will make the grand prize raffle drawing that much more attractive to our attendees. We greatly appreciate the support that the DX Store has given to the hamfest and YARC, and hope that it will have a successful outing at the hamfest.

The DX Store

No BS. Just good old fashioned customer service.

Heil PRO7 Simply The Best

Black

Red



Pink

Blue

Available in Four Colors

sales@dxstore.com
www.dxstore.com



April 2017 Foxhunt
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, April 9, 2017. Jeff WB7RFY and John WB9VGJ were the foxes.

I had chosen Vista Park on Sarafina Dr. to hide the transmitters. I was somewhat worried because it was north of the starting point and on the other side of a couple of hills. When we got the transmitters activated, we were unable to bring up the club repeater with our HTs to communicate with the hunters at the starting point, even with attaching a mag mount antenna under the metal roof of the ramada we were in. That made us concerned the hunters would be unable to hear the primary transmitter as it only puts out 500 mW.

However, after putting my mag mount antenna on a metal bar on a slide in the park about 30' or 40' from the ramada, I was able to bring up the repeater. Apparently, the location of the ramada was in a null of the repeater. Luckily, the hunters could barely hear the signal at the starting point. You can see pictures of my HT setup using the link below.

- There were two teams for this hunt:
 1) Bob WB6ODR; Bob WA6FBA; and Pete K6VVR;
 and
 2) Jim KD7NFX.

The results of the hunt were:

Finish	Team	Time
1	WB6ODR, WA6FBA, and K6VVR	41 minutes
2	KD7NFX	N/A

We saw two members of the winning team across a gully from the park who recognized us. However, they had to drive a ways to get to the park as there were many streets that were not through streets. Unfortunately, KD7NFX didn't have an attenuator, so when he got fairly close to the hiding site, he had a full scale reading and was unable to zero in on the primary transmitter.

You can see pictures of the hunt here:

<http://tinyurl.com/YARCFoxhuntApril2017>

We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.

WA6ZZJ's Equipment
by Kathy Laing, KJ6KMK

At the April 6 general meeting, Jan Halgunseth (widow of Lloyd Halgunseth WA6ZZJ) brought some of Lloyd's equipment for members to look at and take for free. If you did take any of the equipment, could you please send Jan a note or an email to let her know what you have and maybe how you will use it. She would like to know that
Lloyd's equipment is being used again.

If you want to you can send the note to me and I will forward them to Jan: KJ6KMK.YARC@gmail.com .



An Amateur Television Opportunity
by Don Bauer, WB7TPH

The Yavapai ARC has a small special interest group (SIG) of amateur television (ATV) enthusiasts. We would like to expand the size of this SIG as well as find a group leader. Don Bauer WB7TPH has been the organizer / moderator since the group began, but finds himself unable to lead due to other commitments. Additionally, he does not feel that he has the knowledge to move forward with the ATV equipment that was donated to the club.

We have been given several ATV transmitters and receivers as well as other related gear in the 2400 MHz band. Two desirable projects that could be readily accomplished with this equipment are: a demonstration pair of transceivers to illustrate ATV at club functions, etc; and a portable ATV transmitter and receiver for use at community service events to augment our radio service at these venues.

Any member interested in leading the ATV team, please contact club president Kathy Laing KJ6KMK.

YARC General Meeting Programs

April Program: Public Service Event Communications

The April YARC club meeting program, titled "Public Service Event Communications", was presented by Frank Bender K8FB. A PDF format copy of the presentation can be found at <http://www.w7yrc.org/club-program-presentations/>.

May Program: Getting Ready For Field Day

Field Day will be held on June 24 and 25, 2017 at our club station at the Jeep Posse building on Commerce Drive. Our club picnic will also be held at the same location on Saturday afternoon, June 24. Come and learn all that you would like to know about Field Day and how you can participate, even if you are not licensed.



John WB9VGJ and BC-348 receiver aboard a B-17

**Flying in a B-17
by John Broughton, WB9VGJ**

The picture of K4GTM sitting at the BC-348 receiver in the April 2017 issue of the Yavapai Signal prompted me to write this. I sat in front of a BC-348 receiver at the radio operator's position on the Aluminu Overcast B-17 when I took a ride on it on February 3, 2017. It was my third time inside a B-17, but the first time I actually flew on one. It was a great ride. The view from the bombardier's position is fantastic.

You can see all the pictures and videos I took on the ride here:

<http://wb9vgj.us/docs/b17.htm>





Arizona Hams Take Legislative Action

On Tuesday, March 28, 2017, Arizona Governor Doug Ducey signed SB1132. It becomes law 90 days after the Arizona Legislature adjourns in mid to late April. This concludes many years of hard work by Arizona hams and begins a new chapter for the future of amateur radio in Arizona. In the mid 1950s Mabel Ellis, a Prescott State Representative (and the great aunt of John Laing K7PRS), introduced and helped pass a bill which would allow FCC licensed amateur radio operators to have their call sign personalized on Arizona motor vehicle license plates for free. At the time such plates were not considered vanity plates.

In 1995, Arizona created the specialty plate program where non-profit 501c3 organizations can request a special plate and benefit from a portion of the \$25 annual fee. The amateur radio plate was created as a separate category in 2004, but initially established to return all monies to Arizona general funds. SB1132 amends Section 28-2407 of the Arizona Revised Statutes to create a fund that contributes \$17 of each plate fee to an organization benefiting amateur radio.

The funds will be directed to the Amateur Radio Council of Arizona (ARCA), a statewide organization comprised of amateur radio clubs working for the betterment of amateur radio. ARCA will be able to improve existing scholarship programs; provide better support of club activities and hamfests; and support amateur radio education and training in Arizona. The 2016 Arizona Department of Transportation report showed 1078 amateur radio operator plates issued, which would contribute approximately \$18,000 annually to ARCA. At present, ARCA has 26 member clubs that such funds will support.

Thank you to everyone who was involved with moving this legislation forward. Your tireless efforts will benefit amateur radio in Arizona for generations to come. Thank you to Senator Nancy Barto and Representative John Allen who sponsored this bill. They have proven to be great allies to the amateur radio community. As well, thank you to all of the Senators and Representatives in the legislature who voted in favor of SB1132's passage.





Danny Richardson, K6MHE in 1955

ARRL Entry-Level License Committee Digs in to Study Survey Results
The ARRL Letter, April 6, 2017

As its April 7 online survey deadline approaches, the ARRL Board of Directors' Entry Level License Committee is preparing for a deep dive into what turned out to be an overwhelming response. Committee Chair and New England Division Director Tom Frenaye K1KI, said the survey's 8,000 responses, when perhaps 1,500 were anticipated, reflects the high degree of interest in the overall topic. Established by the Board in 2016, the Committee has been gathering input from the Amateur Radio community with an eye toward recommending either a makeover of the Technician license or an altogether new entry-level Amateur Radio license class.

"I think it's our job to come up with the two best proposals," said Frenaye, conceding that the committee's work is fraught with details that include reaching a consensus both within the Amateur Radio community and at the FCC, which pays little attention to Amateur Radio generally. For his part, Frenaye started out thinking that a new entry-level license would be the answer, but now he's leaning more toward changing up the Technician license, in part because he thinks the FCC may be reluctant to create a fourth license class after whittling the number to three in 1999.

It's not just about numbers, but Amateur Radio's future. Amateur Radio growth, at approximately 1% a year, is "pretty good," Frenaye conceded, and in tune with US population growth, but he thinks it could be better, and a big step in that direction is to take a hard look at ham radio's entry gate. He suggested a new pool of prospective radio amateurs might be more drawn to the hobby from the Maker movement, for example, or from among those who tinker with computer technology or experiment with electronics -- areas with high appeal to some young people

Frenaye said a lot of young newcomers don't seem to find the current license manual very enticing, possibly due to the Amateur Radio terminology and the manual's 12th-grade reading level, which he believes should be lower. One interesting statistic plucked from the survey: Just 23% of recently licensed Technicians went through a club, while 65% studied on their own.

The current Technician license is mainly a VHF/UHF license, Frenaye pointed out, with limited privileges on HF, where he believes a lot of newcomers would prefer to operate. "Either the test covers material that's not needed for a newcomer, or the privileges don't match well enough with what a newcomer needs to see in ham radio in order to decide whether to continue," he said. Technician licensees have only CW privileges on HF below 10 meters, "and CW isn't even a requirement anymore," Frenaye pointed out. He suggested some HF digital privileges may provide one incentive.

Whether it's retooling the Technician license to offer newcomers a larger, more attractive slice of Amateur Radio privileges or developing the framework for an entirely new entry-level license, the panel wants to see a more relevant examination with privileges more appropriate to newcomers and better outreach "on both sides of the license" -- from exam preparation to operator training and mentoring.

Frenaye is not afraid to respond to critics who say the entry-level license effort and such initiatives as reaching out the Maker Movement are just ARRL ploys to boost the Amateur Radio population and, in turn, League membership

"I guess the answer to that is, 'Yes, what's wrong with that?'" he said. "The more trained ham radio operators we have, the more likely we are to actually be able to keep our bands and maybe get new ones."

The committee has only looked at the first "several thousand" survey responses, Frenaye said. The hard work lies ahead. "It's going to take a little time to sort through it all," Frenaye allowed, adding that the committee hopes to have a report to the Board of Directors in July.

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

Call	Name	03/22/17	03/29/17	04/05/17	04/12/17	04/19/17
AE7CG	Loren	NCS		NCS	NCS	
K6VVR	Pete	x	x	x	x	x
K7DCT	Andrew	x		x	x	
KA5DWI	Art	x	NCS	x	x	x
KF7ANX	Frank			x	x	
KF7FPD	Jerry	x	x	x	x	NCS
KF7PQV	Dan	x		x	x	x
KG6AY	Art				x	
NØSCA	Frank	x		x	x	
W7HAM	Ralph	x	x	x		x
WA6AQK	Ken	x	x	x	x	
WN7E	Tom	x	x			
W7PVA	Bill		x		x	
KF7INF	Dennis	x				
KG6IDN	Joe					x
KG7EWD	Patrick	x	x		x	
KG7GLK	Neil		x			x
KG7LMJ	Mike	x	x		x	
KI7LXC	Tim			x		
K6PSR	Tony	x				
N7IEP	Mike					x
K9WIZ	Sandy		x	x		
WK7ED	Ed	x				
WA6FBA	Robert	x				





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 Memorial Lunch**, 1100 MST to 1230 MST at **roving locations**. Contact Bob Rosevear WB7RRQ, 928-458-7830, rosevear520@cableone.net; or Bob Smith WB6ODR, 928-443-9321, lsmith@cableone.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, 2017

Officer	Name	Call Sign	Email Address
President	Kathy Laing	KJ6KMK	kj6kmk.yarc@gmail.com
Vice President	John Stevens	AB9JS	vice.president@w7yrc.org
Treasurer	Mike Reid	N7IEP	treasurer@w7yrc.org
Secretary	Sandy Mattsen	K9WIZ	secretary@w7yrc.org
Director	Art Jackson	KA5DWI	ka5dwi@w7yrc.org
Director	Rex Mauldin	N7NGM	n7ngm@w7yrc.org
Director	Art Protas	KG6AY	kg6ay@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	Dual 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.

