



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 31 – No. 4 – April 2016

Upcoming Club Events: April and May 2016				
Event:	Date:	Time:	Place:	Contact/Info:
General Meeting	04/07/16	1900 MST	PMHMS	Club Website
Fox Hunt	04/10/16	1300 MST	AZ CU Parking Lot, GG Wy & WC Rd	Pete K6VVR or John WB9VGJ
Study Program – General Class License	04-05/x/16 Fridays	1800 MST	Jeep Posse Bldg.	See club website Calendar at www.w7yrc.org
Practice License Tests – Technician Class	05/10/16	1800 MST	Jeep Posse Bldg.	David W7BJ (treasurer@w7yrc.org)
License Tests	05/14/16	0900 MST	Jeep Posse Bldg.	Don WB7TPH (wb7tph@w7yrc.org)

A separate table of Upcoming Public Service Communications Events is to be found on page 10 in this newsletter.



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)	144.220 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	1830 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

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.



**From the President's Desk: The Prescott Hamfest at Embry-Riddle Aeronautical University (ERAU)
by Frank Bender, K8FB**

The Prescott Hamfest at ERAU is one of the notable events on this year's club calendar. We are seeing a lot of excitement for the event from our members, other hams in our community, as well as hams throughout the state.

Our hamfest committee, led by co-chairs Chuck Zappala KE7SA and Bill Noe W7PVA, has worked very hard to make the hamfest possible and notable, especially for its first year. The committee has worked through a number of challenging issues to make this event happen.

We are also fortunate to partner with the Eagle Amateur Radio Club at ERAU in holding the hamfest. As a result of this partnership, we were able to get the indoor and outdoor facilities at no cost. Our thanks go to dual members Clayton Jacobs KJ6QJS and Forrest Murdoch WH6EAL for helping us make this hamfest possible.

There will be varied activities available for you at the hamfest. Besides finding bargains at the tail gate sales, there will be a number of interesting seminars available at indoor venues. The ARRL, DXCC card checking, ARCA, ARES/RACES, Yavapai County Jeep Posse, ERAU, and other clubs and organizations will have a presence and displays at the hamfest. We will have a test bench set up for you to try out equipment that you bought or are considering buying. We will also have a T-Hunt activity.

Due to ERAU policies, unfortunately we are not going to be able to provide overnight RV camping on the ERAU campus. Also note that ERAU does not allow pets on campus.

To make our first hamfest in several years a success, we need your support by coming out and attending the event. Also talk up the hamfest when you have the opportunity and encourage your ham friends to attend. We would also greatly appreciate your involvement in volunteering to help out for part of the hamfest. Donating equipment or bringing your used equipment for sale at our consignment sales booth also greatly benefits the club.

Please come out on June 10 or 11 and have a great time at our hamfest without having to travel very far. With success will come the opportunity to make this an annual event.

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	David Hanson W7BJ	Pete Morrison K6VVR
Cost:	\$7.00 each	\$3.00 each	Without Name & Call \$20.00 each — With Name & Call \$24.00 each



David W7BJ

	TREASURER'S REPORT	General	Repeater
	February 2016	Fund	Fund
CASH – January 31, 2016		\$7,671.54	\$2,127.72
	Dues	\$337.50	\$37.50
	Donations	\$35.00	\$20.00
	Ham Test Online	\$30.00	
	50/50 Raffle	\$65.00	
	Misc. < \$50	-\$2.64	\$0.05
	TOTAL INCOME	\$464.86	\$57.55
	Club Station Antenna D3W	\$359.95	
	Ham Test Online	\$150.00	
	Misc. < \$50	\$22.70	
	TOTAL EXPENSES	\$532.65	\$0.00
CASH – February 29, 2016		\$7,603.75	\$2,185.27
** Detailed statements are posted on www.w7yrc.org			

Minutes of the February 25, 2016 Board of Director's Meeting

Present at Meeting: KE7SA, W7PVA, KJ6KMK, WB7TPH, W7BJ, N9JYO, K8FB.
W6TYV was excused – he was on a Jeep Posse call out.

Meeting called to Order by K8FB at: 1800 MST.

Old Business:

Treasurer's Report and Meeting Minutes: January 2016 Treasurer's report has been published in the March Signal (balance \$7,671.54, repeater \$2,127.72).
February Board and Member meeting minutes have been published in the March Signal.

Upcoming Programs:

- March – ARES/RACES overview presentation by N7CW
- April – Printed Circuit Board Prototyping presentation by NO1D
- May – Transmitter Hunt presentation by K6VVR
- June – Hamfest Volunteer Organization and Planning (after the Board meeting the June program was changed to a presentation on the recent VP8 DXpedition to South Sandwich and South Georgia Islands by AA7A).
- July – SIG Breakouts
- August – Fun with CW by AE7CG
- Sept. – SDR presented by NO1D
- As part of the ARRL NPOTA project, WB7TPH has suggested that the club plan a trip to Tuzigoot National Monument near Cottonwood to operate an NPOTA station.
 - o WB7TPH will discuss this at the general meeting on March 3, 2016.

Local Hamfest:

- Report from KE7SA and W7PVA
- The hamfest flyer was finalized and sent to ARCA for distribution. The flyer was distributed by ARCA and the ARRL booth at the Yuma Hamfest.
- ARCA provides hamfest flyer distribution and notices to clubs, as well as provides hamfest equipment (e.g., golf cart, tables, chairs, ticket drawing drum). Their fee is 10% of the net proceeds. We must provide a post hamfest financial report to them.
- A contract is being prepared by ERAU to be signed by K8FB. A certificate of insurance needs to be returned with the contract.
 - o K8FB will check with ERAU to see if any security will be available if vendors leave merchandise out overnight.
 - o K8FB will also check to see what food vendors will be available for the hamfest.
- The contract will be reviewed and approved by the board before being signed and returned to ERAU.
- The hamfest committee has prepared a major expenditure form for \$2,000 to be spent by the hamfest Committee to pay for expenses and major prizes for the hamfest. The plan is to reimburse the club treasury for this entire amount after the hamfest is completed. If board recommends, the major expenditure will be presented to the membership for consideration at the March meeting.
 - o The committee will prepare an amended expenditure form to raise the amount requested to \$2500. This reflects a raise in the prize money from \$500 to \$1000.
- Suggestion was made to open up and advertise consignment sales to non-member hamfest attendees. Suggestion to model the sign up form after the Yuma hamfest Country Store.
 - o WB7TPH agreed to lead the consignment sales booth at the hamfest. It was not decided if we would accept consignment sales from non-members at the hamfest.

2016 Draft Budget:

- After receiving comments, the 2016 draft budget has been revised
- Member comments – 2 addressing balanced budget. 1 addressing the \$40 per month paid to the Jeep Posse. Bottom line YARC is paying approximately \$2/ hour for all utilities to reimburse the Jeep Posse.
 - o The budget now has a projected surplus for 2016.
- ♣ The Board confirmed that the \$40 a month is an acceptable expense for YARC utilization of the Jeep Posse Building.

- o A good part of the surplus is the result of recognizing for the current year receipts for the YARC party in January that are paid in November and December.
- o A successful hamfest would possibly pad the projected surplus.
- If the 2016 budget draft is approved by board, it would be resubmitted to the membership for consideration in the March 3, 2016 general meeting.
- o The Board approved the draft budget to be presented to the membership at the March 3, 2016 general meeting.

Club Station Purchase Request:

- o The Cushcraft D3W rotatable dipole was purchased and then installed on February 12. The antenna worked fine on 12 meters, but had very high SWR on 17 and 30 meters. It was determined that one or both of the 18 meter traps were not working correctly. Cushcraft was contacted and they indicated that they would make and send us two new 17 meter traps at no additional cost to the club.
- ♣ Correction to the agenda (18 to 17 meters).

General Member Meeting Format Change:

- o In the February meeting, the membership voted to have the program immediately after the general meeting minutes and treasurer's report approval and any voting issues are taken care of.
- o The board has an action item to come with a format to present to the membership at the March meeting. Here is the suggested format for consideration by the board:
- ♣ Pledge of Allegiance
- ♣ Visitors Welcome
- ♣ Approval of published minutes and treasurer's report
- ♣ Voting on any issue before the membership
- ♣ Voting in of new members
- ♣ Monthly Program
- ♣ Break
- ♣ 50/50 raffle
- ♣ Committee Reports
- ♣ Any other old or new business
- ♣ Meeting adjournment
- This new agenda was approved by the Board

YARC Brochure Update:

- WB7TPH has made the changes to the brochure and will check on cost for printing 100 for the hamfest. He believes he might be able to print these at his church at cost.
- W7BJ suggested using Allegra Marketing and Printing.

New Business:

Member Suggestions: The following suggestions were made by members at the February general meeting:

- Move the Friday evening new/ beginning ham meetings to daylight hours due to safety concerns.
- ♣ The Board decided to leave the meeting at its current time.
- o This issue was discussed at the February 12 new/beginning ham session.
- o Much discussion about safety issues:
- ♣ For any concerns about personal security, walk out with someone else.
- ♣ Concerns largely centered around steps from parking lot.
- Place traffic cone in parking space in front of steps to prevent vehicle from blocking ingress and egress.
- o Cones placed to prevent blocking the access.
- Discussions ongoing regarding placing a no parking sign in front of the steps.
- Step up from the parking lot is also a concern.
- Long term – install hand rail at steps.
- o This is being discussed with the Jeep Posse.
- Short term – install reflective tape on steps.
- o Reflective paint will be applied to the steps –
- Install landscape solar light at steps
- o Solar lighting will be installed at the steps

- K8FB is in the process of discussing these concerns and their proposed resolutions with the Jeep Posse.
- ♣ The group unanimously agreed to continue the sessions on Fridays, beginning at 1800 MST.
- ♣ After the meeting, it was suggested by one participant to open the parking gate to allow concerned participants to park in the gravel area.
- The following immediate solution was been recommended;
 - o The lower parking gate will be left open to help with access.
- Move the Thursday PMHMS member meeting to the cafeteria, where there is more room.
- o Acoustics are very bad in the cafeteria. The Board recommends not moving the meeting place.
- Give students free membership.
 - o Student memberships are discounted already.
- Acquire a portable PA system for use at events like the YARC Party.
 - o Suggestion tabled for the time being.
- Change the Signal newsletter to a two column format instead of a one column format. This would allow the Signal to be printed, if desired, on fewer pages than today. Previously board considered printing copies for members who do not have internet or email access. After further consideration, printing 16 or so pages in color can be expensive. Should a separate charge be levied for this service?
 - o W7BJ made a motion not to change the format of the Signal. Motion seconded by W7PVA. Management of a 2 or 3 column paper is much more difficult to maintain. Motion passed by the board.
 - o The Secretary will provide 2 desk copies of the current Signal at the meetings for members to review.

2017 YARC Party:

- ♣ Stoneridge Grill
 - o No room reservation fee if we proceed with 2017 party there
 - o Meal prices have increased – Buffet style \$28 - \$32 for one or two entrees
 - o This year \$22 – in past cost was around \$25
- ♣ Other Suggestions – other suggestions were made – can't find all of them
 - o Elks Hall
 - o Buffet locations – not feasible
 - o St. Michael's Hotel (need to check on handicapped accessibility)
 - o Centennial Hall at the Prescott Airport
 - o Board would like K8FB to ask WN7E and K7YTI to research alternative sites and also suggest a date in January for the event.

General License Class Study Sessions:

- K8FB proposed the classes beginning Friday, March 11, 2016 1800 MST at the Jeep Posse building. K8FB, will be the contact. Any help is appreciated.

2016 Field Day Planning – K8FB

- Proposed Operation
 - o Jeep Posse building reserved
- ♣ GOTA Station – N6KZ
- ♣ Operate under N7GMH call sign
- ♣ Field Day operation at club station under EOC class
- ♣ Picnic
 - o Large Lynx Lake campground reserved and paid for Friday night and Saturday night.
- ♣ Operate under W7YRC call sign
- ♣ Several stations to be set up to operate at campground.
- ♣ Informal meal setup for participants and visitors.
 - o Public officials to be invited to each location.
 - o Where MARC would be located, if available, has not been determined.
- Planning meeting to occur in near future

ADAW Newsletter Update:

- WB7TPH, YARC editor for this newsletter, reported that each club has its own editor who supplies information to be included in the newsletter.

2 Meter Net Manager:

- ♣ W1DGL has stepped down as the 2 meter net manager.
- ♣ AE7CG has agreed to step in as 2 meter net manager.

2.4 GHz Video Equipment Donation:

K6CWB has offered to donate some ATV equipment if there is interest.

Adjournment: K8FB adjourned the meeting at 2000 MST.

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Yavapai Amateur Radio Club, General Meeting
Date: March 03, 2016

Call to Order at: 1900 MST

Pledge of Allegiance: Led by K8FB

Welcome visitors: Phil N6QCA, Richard AF6PE, and Mary Jo KG7ERK

- Boller (existing members who have not been able to attend for a couple of years)
- Sick Call – KG7TTF is having an aortic valve replacement done sometime in the middle of March at the Tucson VA hospital.
- Recognition Award to Jack Crabtree W7JLC for 25 years of participation in Near Space Balloon launches by the ARRL SW Division.
- 2016 ARRL Southwestern Division Volunteer of the Year Award to Jim Zimmerman N6KZ for over 20 years of service to the division.

Meeting minutes and Treasurer report: Approval of February 2016 minutes and January 2016 Treasurer's report as published in the March 2016 Signal.

- Motion to accept made by KF7MMS and seconded by N9JYO. Motion passed unanimously.

2016 Budget – Approved by Board and recommended to membership for approval.

- Motion to accept made by WB9VGJ and seconded by KG6AY. Discussion and motion passed unanimously.

2016 Hamfest Funding Request

- \$2,500 being requested
- Money would be reimbursed in June from proceeds of the hamfest
- Approval sought from membership
- o Motion to authorize this expenditure made by KV8TD and seconded by W1DGL. Motion passed unanimously
- o KV8TD asked if a bottom threshold cash balance had been established by the Board? K8FB replied that none had been established at this time.

New Members – no applications received.

Program – Yavapai County ARES/RACES Overview – Bud Semon N7CW

Break (1950 to 2005 MST)

50/50 Raffle: \$82 won by ticket 1013354, KG7RGI

Joe Oliver AC6AA and Walter Schumann KF6SPS, both recovering from serious illnesses, were recognized as being in attendance.

Committee Reports:

YARC Event Communications, Patti KD7VBG upcoming events through May – sign up with Patti.

Hamfest – W7PVA and KE7SA – Looking for volunteers to sign up.

Club Repeater, Pete K6VVR

- Improvements to 440 MHz repeater antenna and amplifier in
 - May turn on the C4FM digital mode
 - K7PRS is donating a 100 watt amplifier and power supply
- Fox Hunt — K6VVR and WB9VGJ, scheduled for 1300 MST, March 6, 2016
- Elmer — N6KZ completed 14 site surveys
- PMHMS Radio Club — KB7TRE had nothing to report

VE — WB7TPH:

- License session on March 12,
 - Tech license practice sessions on March 8 (W7BJ).
- Webmaster – Randy W6TYV (Absent - no report)
 Club Station – K8FB
- Cushcraft D3W rotatable dipole for WARC bands now installed

Old Business:

Society of Amateur Radio Astronomers Western Regional Convention at ERAU, March11-13, 2016. – W7SUA

New Business:

National Parks on the Air - As part of the ARRL NPOTA project, WB7TPH has suggested that the club plan a trip to Tuzigoot National Monument near Cottonwood to operate a NPOTA station.

- Date set for April 20th or 21st. Don is looking for volunteers.

New ATV SIG – WB7TPH would like to determine interest.

General Class License Sessions – beginning Friday, March 11, 2016, 1800 MST, Jeep Posse building (K8FB).

Member Suggestions: Will be addressed by board and published in the next Signal newsletter.

Adjourn: 2040 MST.

**LICENSE TESTING
by Don Bauer, WB7TPH**

Our next test session is Saturday, May 14, 2016.

The March 12th session had 10 candidates. Seven candidates took the Technician test. Unfortunately one failed by only two questions. He plans to be back in May. We had two people take the General class test and pass. We are encouraged that, once again, candidates who took the Tech test only a few months ago are moving to upgrade. There is so much more out there for Generals and Extras, and folks are taking advantage. We also have a new Extra operator who tested at this session. In all, it was a very good test session.

For those who cannot make our Saturday tests, Jim Scherfling is offering periodic testing on Tuesday evenings. See the schedule below for his and our schedules in the next few months.

Upcoming License Testing

Date	City	Location	Time	Sponsor	Contact	Walk-in
05/14/16	Prescott	Jeep Posse Bldg., 1200 Commerce Dr.	0900 MST	Yavapai ARC	Don Bauer 928.775.4690	Yes
05/24/16	Prescott Valley	Trinity Lutheran Church, 3950 N. Valorie Dr.	1830 MST	Prescott Valley Ham Club	Jim Scherfling 928.632.2050	Yes
06/11/16	Prescott	ERAU Hamfest	0900 MST	Yavapai ARC	Don Bauer 928.775.4690	Yes

Amateur Radio Book

Don Castle, KG7QYL is planning on writing a book of interesting stories from ham radio operators. Although the exact title has not been decided, the subject would focus around amateur radio's positive influence on your life--social, technical, emergency, and perhaps lifesaving!! Lots of radio operators have stellar stories to tell. Don would be honored to hear your story. You may contact Don at kg7qyl@gmail.com .



Patti KD7VBG

Upcoming Public Service Communications Events

Date	Day(s)	Event	Place	Comments
04/16/16	Sat.	Whiskey Trail	Prescott Loop Trails	New event
04/29-05/01/16	F, Sat., Sun.	Whiskey Off-road Mountain Bike Event	Prescott	Expecting close to 2000 riders
05/07/16	Sat.	Chino Grinder	Chino Valley	Bob Thompson KC8BOB (bobnstar@cablone.net) to coordinate
05/14/16	Sat.	Whiskey Row Marathon	Prescott	Long standing YARC event
05/21/16	Sat.	Mountain Mayhem	Prescott	Tentative date

Signing Up for Events

Sign-up sheets will be at the YARC general meetings, and be available 2 to 3 months before the events. Contact Patti KD7VBG kd7vbg@cablone.net or at the YARC general meeting to sign up. Also you can go to the YARC website at www.w7yrc.org , 1) click the link to go to ARES/RACES, 2) click on Calendar and 3) fill out the application for the event you want to sign up for.

General Meeting Programs

March Program

In our March meeting Bud Semon N7CW gave a presentation on the Yavapai County ARES/RACES program. Being an ARRL Special Services club, ARES/RACES involvement to support our community during emergencies is an important focus of our club. Bud reported that two people indicated interest in joining ARES/RACES as a result of the presentation. Thanks to Bud for presenting this program.

April Program

Doug Theriault NO1D will be presenting a Printed Circuit Board Prototyping overview at the April meeting. His project is a Ham ID Timer circuit board. Doug has come up with a simple circuit using an ATtiny85 Arduino based chip that is very easy to program/use and quite neat for small projects needing a simple micro-controller. This is a very timely program for the growing interest in these micro- controllers and for illustrating the design and construction of simple circuit boards for small to medium size projects. Everyone should gain some useful knowledge and ideas from this presentation.

Suggestion Box

There were four suggestions submitted by members at the February YARC meeting, plus one email suggestion. These suggestions were reviewed at the Board meeting on February 25. Following are the suggestions and the Board responses:

- Move the Friday evening new/ beginning ham meetings at the Jeep Posse to daylight hours due to safety concerns.
 - o This issue was first discussed at the February 12 new/beginning ham session
 - o Much discussion about safety issues:
 - ♣ For any concerns about personal security, walk out with someone else
 - ♣ Concerns largely centered around steps from the parking lot
 - Place traffic cone in parking space in front of steps to prevent vehicle from blocking access
 - Step up from the parking lot is also a concern
 - Jeep Posse has agreed to provide materials to install hand rail at steps
 - Reflective paint will be applied to steps (to be provided by the Jeep Posse)
 - Install landscape solar light at steps
 - The parking gate will be opened so that people can park on flat gravel and avoid the steps all together.
 - ♣ The group unanimously agreed to continue the sessions on Fridays, beginning at 6 PM and the Board concurred.
- Move the Thursday PMHMS member meeting to the cafeteria, where there is more room.
 - o Acoustics are very bad in the cafeteria.
 - o There is additional seating in the front of the meeting room that people can take advantage of.
 - o The Board recommends not moving the meeting place.
- Give students free membership.
 - o The Board felt that discounted student memberships and other incentives currently in place are sufficient.
- Acquire a portable PA system for use at events like the YARC Party.
 - o The suggestion was tabled for the time being.
- Additional suggestion received via email - Change the Signal newsletter to a two column format instead of a one column format. This would allow the Signal to be printed, if desired, on fewer pages than today.
 - o The Board felt that the format should be left to the Signal editor to determine. Printing in two columns also presents its own challenges.
 - o Two hard copies of the Signal will be provided at the YARC meetings by the Secretary.

No suggestions were received at the March meeting.

Club Station Update

The Cushcraft D3W rotatable dipole for the WARC bands is now installed and working at the club station. The club station now has the HF capability to operate on 40, 30, 20, 17, 15, 12, and 10 Meters. Paul Jackson, brother of silent key Jim Jackson NS2K has donated an Alpha Delta dipole for 80 and 160M. Our Elmer Group, Jim N6KZ and Art KG6AY have installed coax into the station for use of the new dipole using coax donated by club member Ron Ross K6CWB. We are currently waiting for permission from the Jeep Posse to install the dipole. Once installed, the dipole would give us the capability to operate on all HF bands from 160 to 10 meters (except 60 meters).

Frank Bender K8FB and Don Bauer WB7TPH are currently offering an 18 to 20 hour General Class License study series on Friday nights at the Jeep Posse building. Check the Calendar on the club's website for future dates for new/beginning sessions. Because of the General Class License study sessions, there may not be many operating open houses on Friday evenings for several months.

All events are open to anyone who has an interest in ham radio. An announcement of these events is also made the week before the event on the club website home page. If you would like to operate the club station, contact someone on the club station access list that can be found under the "Members" menu on the web site.



Prescott Hamfest at Embry-Riddle Aeronautical University (ERAU)

The Prescott Hamfest at ERAU will be held on Friday afternoon, June 10 and all day Saturday, June 11, 2016 on the campus of the Embry-Riddle Aeronautical University. Planned activities include tailgating, YARC consignment sales, commercial vendors, test bench to check out potential purchases, transmitter-hunt, DXCC card checking, VE sessions, seminars, ARES/RACES MARC vehicle display and table, tour of the Eagle Amateur Radio Club at ERAU, ARRL Booth, and prize drawings.

The hamfest is being co-sponsored by the Eagle Amateur Radio Club at ERAU and YARC. The Eagle ARC effort is being led by Forrest Murdoch WH6EAL and Clayton Jacobs KJ6QJS. The hamfest is also an ARRL sanctioned and an Amateur Radio Council of Arizona (ARCA) sponsored event. ARCA is distributing our hamfest flyer to clubs and hamfests and also provides us with liability insurance and the use of hamfest related equipment such as tables and a golf cart.

Unfortunately, we recently discovered that ERAU will not permit overnight RV camping by hamfest attendees. Also, ERAU does not permit pets on their campus.

The YARC hamfest committee is co-chaired by Chuck Zappala KE7SA and Bill Noe W7PVA. The rest of the YARC hamfest committee includes Ron Nelson KCØTGG, Art Jackson KA5DWI, Don Bauer, WB7TPH, Forrest Murdoch WH6EAL, Clayton Jacobs KJ6QJS, and Frank Bender K8FB.

Anyone wishing to assist with the hamfest please contact Bill W7PVA (w7pva@arrl.net) or Chuck KE7SA (czappala@cableone.net). Hamfest flyers are now available and are being distributed. For further information, a copy of the flyer, and to continue to check for updates, go to www.w7yrc.org/prescott-hamfest. This will be a great event for our club and the local and Arizona ham community.

Elmer Activities by Art Protas, KG6AY

Jim N6KZ and Art KG6AY take the lead for most projects and have had substantial help from Frank K8FB and Bud N7CW. Bud is the fearless tower climber.

We are currently in the process of installing an 80/160 meter dipole at the W7YRC club station. We are waiting final approval from the Jeep Posse before erecting the dipole. In preparation Jim, Frank and Art ran a new section of coax (donated by Ron K6CWB) between the tower junction box and into the station antenna switch. This was supposed to be an easy job since we previously left a pull line between these two points. Unfortunately, the house rodents had other ideas and nibbled through our pull line. Since Art is the "little guy," he was chosen to go down into the Jeep Posse crawl space and pull the new coax and repair a string pull line.

The photo collage on the next page left shows: UL– Art getting ready to go into a club station crawl space to pull some new coax; UR – Jim installing one of the two PL-259 connectors on the end of the coax; LL and LR – Art and Jim installing a 2M vertical antenna at the home of Ken WA6AQK.





Jim N6KZ and Robert KE8DM

Jim N6KZ — 2016 Volunteer of the Year Award

On February 20, 2016 at the ARRL Arizona State Convention in Yuma, Jim Zimmerman N6KZ was presented the 2016 Volunteer of the Year Award for the ARRL Southwestern Division by Division Director Dick Norton N6AA and Arizona Section Manager, Robert Spencer KE8DM.

This award recognized the over 20 years of continuous appointment service that Jim performed as a Volunteer Examiner, Official Observer, W6 QSL Bureau Segment Manager, and QSL Card Field Checker in the Los Angeles and Arizona Sections.

Congratulations to Jim for his devotion to amateur radio!

Equipment Donations

The club is looking for donations of equipment to sell at the Prescott Hamfest at ERAU in June and also at the Williams Hamfest in July. Proceeds benefit the club. Please bring your equipment donations to the club meetings or contact Frank Bender K8FB at president@w7yrc.org. The club will also be selling equipment on consignment at these hamfests. Again, if interested contact Frank K8FB.





March 2016 Foxhunt by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, March 6, 2016. The foxes were Bob WB6ODR and Linda KD7EEO. They hid the transmitters on a trail leading from the scenic overlook on Pioneer Parkway, not far from Williamson Valley Road. Here is WB6ODR's account of the foxhunt:

"The day started out like many others in the Prescott area, except, today it was blowing like a hose. The wind was a real factor in today's hunt, antennas were bent every way and the signal seemed to be coming from anywhere. A good signal was being received at the start point. At some point during the hunt the primary transmitter went off the air."

When Bob discovered it he got so flustered that he did not write down any arrival times for the various members or teams. Pete K6VVR was the first person to walk to the secondary transmitter as that was the only signal left on the air. Reports say the secondary transmitter was almost as strong at the start point as the primary transmitter at the beginning of the hunt. Good food and stories were had at the Junction afterwards. The fox extends the most humble apologies to all hunters for not having a well changed battery. It will not happen again.

Teams consisted of:

WH6EAL Forest K6VVR Pete WB6VGJ John
KK6PGR Brian W7BJ David WB7RFY Jeff
KCØTGG Ron

Luckily, all teams got close enough to the hiding places to hear the secondary transmitter and find the hiding places. K6VVR was the first to find the secondary transmitter, so he and his teammate W7BJ were the winners. W7BJ, WB7RFY, KCØTGG and I found the transmitter just a minute or two after K6VVR. WH6EAL and KK7PGR found it about 20 minutes or so later. They had come up Commerce Drive and were the only team that did that. They spotted one of Bob and Linda's cars parked in the parking lot by the ball field as a decoy, so they ran up the trail to where the transmitter was hidden. It was about a mile, all uphill, to the transmitter.

Congratulations to Pete and Dave for winning the hunt.
You can see pictures of the hunt that Linda and I took here:

<http://tinyurl.com/YARCfoxhuntMarch2016>

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

W7YRC 2M FM Net — 147.260 MHz, PL +103.5 Hz — Wed., 1900 MST — N.C., AE7CG, Loren

Call	Name	02/17/16	02/24/16	03/02/16	03/09/16
K6VVR	Pete	x		x	x
K7CJW	Bob				x
K7DCT	Andrew			x	x
KA5DWI	Art	x	x		x
KF7ANX	Frank	x		x	x
KF7FPD	Jerry		x	x	
KF7OTB	Vince	x		x	x
KF7PQV	Dan	x	x	x	
KG6AY	Art	x	x		x
KG7EWD	Patrick	x	x	x	
KJ7WED	Bob	x		x	x
NØSCA	Frank	x	x	x	x
N7HVC	Chris			x	
N9JYO	John			x	
W7HAM	Ralph	x	x	x	x
WA6AQK	Ken			x	x
WN7E	Tom	x	x	x	x
AF7NW	Russ		x		

For Sale

From the Estate of Al Hintz, WQ8R:

Mosely TA-33M beam (10, 15 and 20 meters) \$250.00
 Hy-Gain Ham III Rotor w/cable, no control box \$100.00
 Cushcraft 13B2 2meter beam (13 element) \$80.00
 30 ft. Aluminum tower w/rotor plate \$100.00
 Hy-Power 40/80 meter trap dipole \$25.00
 Radio Shack 10A Power supply \$25.00
 Alinco DJ-191 2meter H/T w/charger \$25.00

NØDAJ stuff:

Kenwood TK-7150 VHF Public Service w/software \$300.00
 Powerwerx DB-750X Dual Band Mobile w/ separation kit, extra mike, software and cable Part 90 and Part 97 compliant \$250.00
 Icom IC-910H Dual Band – All mode Base Radio, specially designed for satellite use w/hand mike \$400.00
 Alinco DX-70-TH 100Watt HF Mobile 160 through 6m \$250.00
 Cushcraft 13B2 2meter beam (13 element) \$80.00

All equipment listed is from a non-smoking environment.

Contact Doug, NØDAJ
 928.685.3328 (H)
 928.231.2616 (C)
n0daj1950@gmail.com

YARC Volunteer Opportunities

Contact Frank Bender, K8FB (president@w7yrc.org) if interested in helping out in any of these or other areas. Contact other leaders where indicated.

Opportunity	Description
License Class Instructors and Chairperson	We are still looking for volunteers interested in helping out with instructing club members who are studying for their license tests.
Assistant Webmaster	We are looking for a volunteer who has strong Word Press and associated skills who can assist the webmaster with the website work load, especially with more complicated Word Press coding concepts.
Hamfest Volunteers	The Prescott Hamfest at ERAU is scheduled for June 10 and June 11, 2016. We are looking for volunteers to help out with the hamfest. Some of the roles needed to be filled are 1) gate tenders; 2) call in operators; 3) parking directors; 4) manning the YARC club booth; 5) manning the YARC consignment tailgate booth; 6) hamfest set up and tear down; and 7) hamfest guides. Contact hamfest co-chairs Bill W7PVA (w7pva@arrl.net) or Chuck KE7SA (czappala@cableone.net).
Special Interest Group (SIG) Moderators	The Raspberry Pi/ Arduino and Software Designed Radio (SDR) SIGs are in need of moderators.
Buddy Mentors	We are looking for several more experienced club members to be a resource that new hams can contact with questions. You would also be a friendly face in the crowd. Here's an easy way to give back to our club and help keep the interest of newly licensed hams.

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Treasurer	David Hanson	W7BJ	treasurer@w7yrc.org
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Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective August 20, 2015

Name:	Call:	Lic. Class	Notes:	Telephone:
F. Bender	K8FB	E	YARC President	379-5575
P. Morrison	K6VVR	E	W7YRC Trustee	899-8555
B. Semon	N7CW	E	Elmer Group	771-8267
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A. Protas	KG6AY	E	Elmer Group	227-2954
D. Freeman	KV8TD	E	N7GMH Trustee	759-0958
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R. Dashiell	W6TYV	G	Dual Member	602-501-2571
J. Grimm	KD7RMV	T	Dual Member	759-0747
R. Mauldin	N7NGM	E	Rotating Member	216-2637
D. Hanson	W7BJ	E	Rotating Member	602-615-3444
M. Belanger	W1DGL	G	Rotating Member	420-0498

