



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 31 – No. 2 – February 2016

Upcoming Club Events				
Event:	Date:	Time:	Place:	Contact/Info:
General Meeting	02/04/16	1900 MST	PMHMS	Club Website
Sedona Marathon	02/06/16		Verde Valley	Patti KD7VBG
Fox Hunt	02/07/16	1300 MST	AZ CU Parking Lot, GG Wy & WC Rd	Pete K6VVR or John WB9VGJ
Club Station Operating Sessions, New Hams	02/12/16 02/26/16	1800 MST	Jeep Posse Bldg.	Frank K8FB
Club Station, Operating Open House	02/19/16	1800 MST	Jeep Posse Bldg.	Frank K8FB
Practice License Tests – Technician Class	03/08/16	1800 MST	Jeep Posse Bldg.	David W7BJ
License Tests	03/12/16	0900 MST	Jeep Posse Bldg.	Don WB7TP



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 Repeater

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

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 ...

What's Happening

There are so many things going on in our club that even I have trouble keeping up with things. We have just confirmed the dates for the Prescott Hamfest at ERAU in June. It should be a great first year hamfest with lots of activities planned. Keep checking www.w7yrc.org/prescott-hamfest for updates. Our Elmer group continues to help mostly newer hams in the area. We also have lots of activities at our club station, with a lot of them helping the new and beginning ham get off to a good start in ham radio.

In February, our spring public service events begin. These events are a great way to help the community and also gain hands on operating and emergency training. Patti KD7VBG will be sure to team you up with someone experienced if you are new at public service events. Our T-hunt activities each month provide a new and different activity for most hams. Don WB7TPH is working to create an inventory of interesting meeting programs with at least one hands on activity planned in the near future. Our weekly nets provide a way for members to get together and also share ideas and experiences.

Our VE group is now offering license exams every other month, with the next one scheduled for March 12. It would also be nice if we could start up a weekly net on our new 440 MHz repeater.

Field Day is also coming up on June 25 and 26. We are planning to have two different entries in this national operating activity — one under YARC's call sign W7YRC at Lynx Lake. We are planning on multiple stations at that location. The other will be under the Granite Mountain Hotshots Memorial Radio Club's N7GMH call sign operating at the Jeep Posse building. Come and operate one of the Get On The Air (GOTA) or regular Field Day stations. We will hold our club picnic on the Saturday of Field Day at the Jeep Posse building.

Thanks to everyone who helps out with these and all of our other club activities. Let us know if you are interested in volunteering in some area of club activity – it takes a lot of people to keep a club our size running well. If there is something that you would like to see the club do or do better, please let your club officers and board members know.

73 – Frank Bender, K8FB

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
December 2015		Fund	Fund
CASH – November 30, 2015		\$8,139.73	\$2,810.62
	Dues	\$216.00	\$24.00
	Annual Party, Jan. 2016	\$726.00	
	Donation	\$80.50	\$30.00
	50/50 Raffle	\$67.50	
	Misc. < \$50	\$28.03	\$0.07
	TOTAL INCOME	\$1,118.03	\$54.07
	Club Station Utilities, 1 st Qtr.	\$120.00	
	9 Power Supplies	\$190.00	
	NRA Day Food	\$72.06	
	Repeater #2 correct June	-\$500.00	\$500.00
	Misc. < \$50	\$118.00	
	TOTAL EXPENSES	\$0.06	\$500.00
CASH – December 31, 2015		\$9,257.70	\$2,364.69
** Detailed statements are posted on www.w7yrc.org			

Minutes for the December 29, 2015 Board of Director's Meeting

Present at Meeting: KE7SA, W7PVA, KJ6KMK, W6TYV, WB7TPH, W7BJ, N9JYO, K8FB
Meeting called to Order by the President, Frank - K8FB at 1800 hrs.

Confirmation of meeting date and meeting time by board. – The board agreed that the current date and time for the board meetings is good (1800 MST on the last Thursday of the month at the Jeep Posse building).

Each board member was asked to briefly discuss their 2016 goals for the club.

Dave - W7BJ – Treasurer:

- Establish an annual budget
- Improve Field Day
- Increase practice license exams for all license classes
- Learn more about Word Press
- Inventory club equipment
- Good Hamfest advertising
- ADAW Newsletter – get our newsletter items formatted to submit to this newsletter
- Presentations to other clubs/groups

Randy - W6TYV – Board Member:

- Improve Field Day
- Improve the club web site

Don - WB7TPH – Past President/ Board Member:

- Build on Field Day
- Increase club events
- Establish a more sizeable meeting program inventory
- Create a speakers bureau
- Get instructors for license study classes

John - N9JYO – Vice President:

- More training resulting in more hams
- Every 3 months or so hold Tech/General study classes
- Participate in National Parks on the Air and more club events

Bill - W7PVA - Board Member:

- National Parks on the Air – introduce ham radio to the public
- YARC in the Park – operating and picnics
- Successful Hamfest/ advertising
- Increased participation in the 10 meter net (hand out provided)

Chuck - KE7SA - Board Member:

- Successful Hamfest

Kathy - KJ6KMK – Secretary:

- Clean up and eliminate several historical secretary files.

Frank - K8FB – President:

- Establish a yearly budget
- Successful Hamfest
- Establish a college scholarship
- Library Donation of ARRL library book package

Treasurer's Report and Meeting Minutes:

November Treasurer's report submitted has been published in the January Signal (balance \$8,139.73; repeater \$2,810.62). W7BJ reported that the current balances are general fund - \$8,729.67 and repeater fund - \$2864. December Board and Meeting minutes have been published in the January Signal.

Club Station Update:

- One December Newbie session – 10 newbies in attendance. Ray Benny N6VR led a discussion of different coaxial cable types.
- One operating open house was held in December, hosted by Dave W7BJ. Several people attended.

YARC Party:

- As of 12/26/15, the count of paid attendees for the YARC party is 58. The deadline for purchasing dinner tickets is January 7, 2016 (YARC meeting date).
- Mary AB7NK, the club historian, will present a brief history of YARC at the dinner.
- The board voted (via email) to offer a discounted dinner, including a prize drawing ticket, to ERAU students for a price of \$10. The \$12 difference for each discounted dinner will be made up by the club.
- Frank K8FB, as president, authorized Tom WN7E to purchase cakes for the party.
- Frank K8FB, as president, authorized Tom WN7E to print up three one year YARC gift memberships for the drawing at the party.
- Erika, K17JS is donating a \$15 prize for the drawing.

440 MHz ARCA Repeater Installation – Update:

- The new repeater was installed on Mt. Union on December 4, by Pete K6VVR, Art KG6AY, Neil K7SEN, and Patrick KG7EWD.
- The repeater is running 20 watts output at the moment. FM is currently the only mode.
- There have been reports of a number of holes in coverage of the new repeater. Holes in coverage or weak coverage areas include Dewey, some areas along Hwy 89A, downtown Prescott, Hwy 69 in front of Frontier Village, and to the west of Hwy 89 after the bend, headed towards Jerome.
- There has been some discussion with Pete K6VVR by the Elmer Group regarding the possibility of raising the antenna height in the spring. This would require additional coax. As there is currently no hard-line coax available to the club, an RG-8 type coax would probably be added for this short run. KJ6KMK mentioned that she & her husband – K7PRS – have ½ inch hard line that could be used instead of coax.
- Pete K6VVR is contacting JB, the repeater site owner, regarding the amount of money that we should pay to offset utilities.
- K6VVR completed the 440 MHz repeater application with implementation details and it was sent to the ARCA 440 MHz repeater coordinator in December.

Upcoming Programs:

- January - SIG break-outs are scheduled
- February – JT65 presentation by John Broughton, WB9VGJ
- Bud N7CW has submitted a considerable list of possible program topics to Don

Club Liability Insurance:

- Kathy KJ6KMK drafted a notice and distributed via email to the board regarding the club's liability insurance to be signed by all members.

– There was some discussion on the draft which KJ6KMK provided. As a result of the discussion, some modifications were made and Kathy mentioned that she will provide a new draft.

– Frank – K8FB - took an action to ask the following questions of the ARRL Club Liability Insurance Representative. The results of that discussion have been included in these minutes.

1. Does the insurance policy cover officer indemnification?

Answer – No. A separate policy would have to be acquired to address this situation.

2. Can another party be added as an insured to our insurance policy?

Answer -Yes. Examples would be the owner of a meeting place or owner of a repeater site who might also be sued by a third party as the result of an action of our club. Scott, the insurance representative, indicated that a certificate of insurance would be issued, not a new policy. Scott also indicated that all we had to do was send him the pertinent information and he would issue a certificate of insurance for the party in question. A couple of situations come to mind where we might request a certificate of insurance for our partners:

- Yavapai County Jeep Posse - regarding our club station,
- PUSD - MHMS - our meeting place,
- Our two repeater site owners, and
- ERAU - if our hamfest occurs there.

We can discuss this further at our next board meeting.

Board/ Officer Indemnification:

- Dave W7BJ obtained a copy of the YARC Articles of Incorporation and distributed to the board via email. After some discussion the board decided to table this item for at least 6 months.

Prescott Hamfest at ERAU:

- Hamfest Committee co-chairs consist of W7PVA and KE7SA. Other committee members include KCØTGG, KA5DWI, and K8FB. Several club members have already offered to assist with the hamfest.
- The committee met with ERAU and YARC members Forrest WH6EAL and Clayton KJ6QJS for a tour of the ERAU campus facilities on December 2, 2015.
- Tentative dates for the hamfest of June 10 and June 11, 2016 have been established.
 - A discussion was held on possible fees for the event. \$1 donation to attend; \$5 to tailgate (is this for both days or per day?); no fee for vendors and exhibitors.
- The club could use money from the treasury for prizes.
 - A discussion followed on how to use any proceeds from the event. There were many ideas and this will be discussed at a later board meeting. It was reported that ERAU club may not receive a monetary gift so we may need to determine an alternate type of gift for them, perhaps a piece of equipment.
- The name chosen for the hamfest is Prescott Hamfest at ERAU and is co-sponsored by the Eagle ARC at ERAU and YARC.
- KE7SA has prepared a PowerPoint presentation to be given to the Eagle ARC faculty advisor after the holidays.
 - It was suggested that the ERAU club make the presentation since they will be officially the sponsors.
- Plan is for the faculty advisor to submit the application for the hamfest and approval to be received from ERAU in January.
- The hamfest has been registered with ARCA and the ARRL. Once the hamfest dates are approved by ERAU, a request will be submitted to ARCA to co-sponsor the hamfest and hamfest brochures will be printed up and distributed.
- If we have a local hamfest in the Spring, is it necessary or desirable for YARC to purchase the consignment sales booth at the Williams Hamfest in July?
 - Don – WB7TPH – said that he would need an answer on whether to reserve this site by at least by February.
 - Don – WB7TPH suggested possibly keeping a reservation for the sales booth but scaling the size down.

YARC Relations with the Jeep Posse:

- YARC License Exam Update: January 9, 2016 at 0900 MST at the Jeep Posse Building. A Technician practice exam will be given on Tuesday, January 5, 2016 1800 MST at the Jeep Posse building (conducted by W7BJ).
- Congratulations go to Randy Dashiell W6TYV for being selected as the Yavapai County Jeep Posse Member of the Year for 2015 as the result of his efforts in setting up the new Jeep Posse communications vehicle.
 - Randy – W6TYV _ mentioned that W7BJ is joining the Jeep Posse.
- Frank K8FB, as YARC president, was invited to the Jeep Posse 2016 Officer Installation Dinner and attended on December 17, 2015. Graham Bacheler was again installed as the captain of the Jeep Posse for 2016.

Hardware Concerns:

- Eight 4 to 12 amp (one 4 A, one 6 A, two 7-10 A, and four 12 A) power supplies were purchased at the Superstition Hamfest in December for \$130. These power supplies are in the possession of the Elmer Group and will be used as loaner supplies or offered for purchase by members when a need is identified by the Elmers.
- A Kenwood PS-30 22 amp supply was also purchased for \$60 at the Superstition Hamfest for use at the club station. The existing power supply, on loan, was returned to Bud N7CW.
 - The board agreed that the storage shed needs to be inventoried to determine what Pete – K6VVR – wants to do with the existing repeaters; one 6 meter & two 2 meter repeaters.

Field Day 2016:

- The Lynx Lake Osprey group camp ground (large one) has been reserved and paid for (in June, 2015) for Friday and Saturday night for Field Day under call sign W7YRC.
- A reservation has been submitted beginning Saturday morning through Sunday at noon for Field Day at the Jeep Posse building. This location would operate under call sign N7GMH and would be entered as an OEM class station.
- The club picnic is planned to be held Saturday afternoon (time TBD) at the Jeep Posse
 - Concern was expressed regarding a picnic for the Field Day Operators at Lynx Lake. Would need to make provisions for food for them.
- N6KZ is tentatively planning on setting up a GOTA station at the Jeep Posse building.
- A chairperson for the 2016 Field Day is being sought. → Dave – W7BJ – volunteered to be a back-up chair.
- A chairperson for the 2016 Picnic on Field Day is also being sought.

KI7JZ Concerns:

YARC Meeting Location Concern – This discussion was tabled until K8FB & WB7TPH can meet with Erika.

- Erika KI7JZ has requested that the club move its meeting location from the MHMS location and also change the time of the meeting to a daylight time so that more women of the club can attend the club meetings.
- Erika has offered to help pay for the costs of a new meeting location.
- Erika has bought tickets to the YARC party. Frank K8FB has made arrangements to meet with Erika and Don WB7TPH to further discuss her concerns.

Financial Concerns:

- A draft document of annual expenses has been documented by K8FB and will first be run by our treasurer – W7BJ - for comment.
- The updated document hopefully can be updated with estimated revenues and be distributed to the board for consideration in a couple of months.
- When approved by the board, the 2016 budget can be distributed to the membership for consideration and then discussion and vote on approval in a future membership.
- The plan will be that ongoing annual budgets will be formulated and distributed to the membership sometime in November for consideration in the December meeting.
 - The annual renewal application for YARC membership in ARCA was sent along with \$35 in \$45 was sent in December to the Catalina Radio Club for YARC's sponsorship of an award plaque for the 2015 Arizona QSO Party.

Additional New Business:

- A form was presented to be used to request assistance from the Elmers. Since no payment is requested it was suggested that possibly a donation could be accepted to help defray expenses. The Elmers would pass along the donation to the treasurer and submit a request to be reimbursed for supplies when needed.
- Board authorization was requested and received to establish a PayPal account for payment of membership dues, etc. Cost to the club will be \$.73 for cash and \$. 87 for use of a credit card. There were many suggestions on additional uses for the account. W7BJ will set up the account.
- The subject of the IRS filing for the club was presented. W7BJ will look for additional info and KJ6KMK will check the permanent files.
- A discussion was presented to raise membership dues.
 - o Some discussion occurred regarding raising the repeater dues to cover potential rental/utilities costs of the new Mt. Union repeater site is determined.
 - o The issue was tabled until the proposed 2016 budget is formulated to see where we are with expenditures and revenues.

Adjournment: K8FB adjourned the meeting at 2000 MST.

2015.12.25 2200MST

From: n4svd@yahoo.com

Subject: Re: **146.780 MHz Repeater**

Due to weather conditions, it is believed that the 4 bay vertical was unable to withstand the high winds and icy conditions on Bill Williams and has possibly broken off and put the 146.78 MHz repeater out of commission for the Winter. The output on both receive and transmit was down to 20 percent. We don't want to risk burning out the finals on the repeater with the antenna broken so the 146.780 repeater is now turned off til Spring when we will access the damage then and make repairs when weather permits.

Please be patient with us til repairs are made. It is not worth life or limb to try and correct this situation during the winter months due to ice and snow conditions which happens when you are dealing with mother nature and mountain top repeaters at 9,300 ft.

Please, pass this information on to others that may have an interest in the Bill Williams situation. There is no way it could have been prevented as this was a commercial antenna and should have withstood the high winds and icy conditions.

This is all speculation as to EXACTLY what broke and how much we aren't sure but everything INSIDE the building appears to be functioning properly. This can be seen and analyzed by the new equipment and internet switches that were installed this past Summer and with N6GYF Jud and W7SUA Tom looking at the equipment through these internet connections and recycling power to various parts of the system and from the pictures that W7BNW Bryan sent us recently this is how we came to this determination.

Thanks to all who work on this equipment in various weather conditions and rest assured we will take care of this as soon as weather permits.

BWMTN Digi-peater has also malfunctioned and WAS working on the 23rd of Dec by looking at W7SUA's tracking on aprs.fi
It has also been recycled and evidently the ice and weather conditions has taken its toll on Bill Williams this Winter.

73, N4SVD, A.C.
Merry Christmas to all.

February and March 2016 General Meeting Programs

February Program: JT65 Weak Signal Digital Mode

The February 4th meeting program will be a presentation by **John Broughton WB9VGJ** on the JT65 digital mode. You will learn about this weak signal mode that has become very popular, particularly on the HF bands.

March Program: ARES/RACES Presentation

Club member **Bud Semon N7CW**, the Yavapai County ARES/RACES District Emergency Coordinator and Radio Officer will provide members with an overview of ARES/RACES. Learn about this public service program and have the opportunity to ask Bud questions about ARES/RACES.



Patti KD7VBG

Upcoming Public Service Event Communications

Date	Day(s)	Event	Place	Comments
02/06/16	Sat.	Sedona Marathon	Verde Valley	With VVARA
04/16/16	Sat.	Whiskey Basin	Prescott Trail	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 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 at the meetings 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.

Club Station Update — W7YRC

Bud Semon N7CW gave an informal overview of Yavapai County ARES/RACES to the January 15 session of new and beginning hams. There were about 25 people in attendance. Thanks to Bud for leading this session. Another new and beginning ham session is scheduled for January 29.

On Saturday, January 16, Bud N7CW also led a group of about a dozen or so new and beginning hams in operating the club station during the SSB North American QSO Party. Each participant improved their operating skills in tuning SSB signals, recognizing and recording call signs, and sending and receiving QSO party exchanges. Bud's emphasis was improving the operating skills of ARES/RACES members. Every ham participating significantly improved their operating skills.

There was an operating open house scheduled for January 22 at the club station. These operating open houses are scheduled every month. Come, get a tour of the station and operate the station. We can also demonstrate digital modes RTTY, PSK31, and JT65, and RMS Express. Or contact someone on the club station access list to open the station up for you at a mutually convenient time.

The Jeep Posse building was used in operating and for other club activities for a total of 116.5 hours from August through the end of December in 2015. The average usage for this period was over 23 hours per month.

Check the Calendar on the club's website for future dates for these sessions. Usually the week before the event, an announcement of these events is made on the club website home page.

Special Interest Groups (SIGs)

Unfortunately the SIG breakouts did not occur, as the January meeting was cancelled due to snow. Also two of the SIGs no longer have a moderator. Please let Frank K8FB (president@w7yrc.org) know if you would like to be moderator for one or both of these groups. If desired, the Arduino/ Raspberry Pi and the Software Designed Radios SIGs can be combined.

Please note that if there is interest, SIGs can reserve the Jeep Posse building free of charge for a separate SIG meeting if desired. There is a PC projector there with a CGA connector to use if you bring your own laptop. If you take advantage of this capability, please let us know so that we can reserve the building and publicize your meeting. Again, contact Frank K8FB to see about the availability of the Jeep Posse building, if interested.

As always, you can create a new SIG if you feel there is interest.

Following is a list of active SIGs and their moderators:

- Basic Amateur Radio – for new and beginning hams – Frank K8FB
 - Digital Modes – Tom W7SUA
 - IRLP/ Echolink – Rex N7NGM
 - Raspberry Pi/ Arduino – Open
- Software Defined Radio (SDR) – Open
 - 10 Meter Net – Bill W7PVA
 - Field Day – Dave W7BJ

Prescott 2016 Hamfest at Embry-Riddle Aeronautical University (ERAU)

The dates for the Prescott Hamfest at ERAU have been confirmed for 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; vendors; test bench to check out potential purchases; transmitter-hunt; antenna shoot-out; DXCC card checking; VE sessions; seminars; ARES/RACES MARC vehicle display and booth; 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 KI6QJS. The hamfest is also an ARRL and an ARCA sponsored event.

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, Art Protas KG6AY, and Frank Bender K8FB. Anyone wishing to assist with the hamfest please contact Bill W7PVA (w7pva@arrl.net) or Chuck KE7SA (czappala@cablone.net).

Hamfest brochures will be available and distributed soon. For further information, continue to check for updates on the hamfest web page, www.w7yrc.org/prescott-hamfest .



YARC Volunteer Opportunities

Contact Frank Bender, K8FB (president@w7yc.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.

The Society of Amateur Radio Astronomy (SARA) Western Regional Conference Embry-Riddle Aeronautical University, Prescott, Arizona 11 March – 13 March, 2016

The Society of Amateur Radio Astronomers (SARA) has announced that a regional conference will be held at Embry-Riddle Aeronautical University in Prescott, Arizona March 11 to 13, 2016.

SARA member Ray Fobes is a Staff Radio Astronomer at the University and is coordinating the event. He can be reached by e-mail at westernconference@radio-astronomy.org.

Papers on radio astronomy hardware, software, education, research strategies, philosophy, observing efforts and methods will be presented.

Registration for the 2016 Western Conference is \$60.00. This includes breakfast and lunch Saturday and Sunday. Payment can be made by going to www.paypal.com and direct payment to treasurer@radio-astronomy.org. Please include in the comments payment is for the Western Regional Conference.

You can also mail a check payable to SARA Treasurer at 904 Towering Oak Court, Purcellville, VA 20132. Please include an e-mail address so a confirmation can be sent upon receipt of your check.

Submitted by: Tom Azlin, W7SUA



January 2016 Foxhunt
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, January 12, 2016. Diane KE7ODP, Dave W7BJ, and Pete K6VVR were the foxes. They chose an excellent location on Vantor Circle, high on a hill in Cliff Rose overlooking the Prescott Senior Center.

We had two teams of hunters: 1) Braden KG7GLX and Forrest WH6EAL; and 2) Jeff WB7RFY and John WB9VGJ.

The results of the hunt were:

Place	Team	Time
1	KG7GLX & WH6EAL	1 hr. 50 min.
DNF	WB7RFY & WB9VGJ	2 hr. 30 min.

Congratulations to Braden and Forrest on winning the hunt. Jeff and I did not finish. We had so many signals indicating different locations that it became somewhat frustrating. We were getting close to the hidden transmitters when we gave up after 2½ hours and asked where they were. Upon arriving at the location, we discovered an element on Jeff's antenna had broken, which was the cause of the erroneous signals. That had happened on one hunt in the past. Jeff will be rebuilding the antenna before the next hunt.

We had our usual social get-together after the hunt at Prescott Junction Restaurant. Often, the camaraderie after the hunt is just as much fun as the hunt itself. It is always enjoyable.

You can see pictures of the hunt at:

<http://tinyurl.com/YARCFoxhuntJanuary2016>

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

What would Wayne (Green) do
by Dan Romanchik, KB6NU

Wayne Green was a crackpot...but he was a great one.

For those of you who aren't as old as I am, Wayne Green, W2NSD was not only the publisher of 73 Magazine, but also the founder of Byte and other PC magazines in the early days of personal computing. In 73, he would write these long, rambling editorials. Often, he would take the ARRL to task, criticizing what he thought to be some lunk-headed policy or another.

Just as often, he'd be encouraging hams to take up some new technology. He was, for example, one of the guys driving hams to set up repeater systems.

He would often exhort hams to get started in their own technology-related business. I remember one column where he urged hams to get involved in the home-security business. And, of course, when personal computers became popular, he wrote that hams should think about getting into that business. His reasoning was that our knowledge of electronics would stand us in good stead in those businesses.

Today, I think that he would be telling us to get more involved in with technologies like the Internet of Things, WiFi, or whatever other wireless technology is coming down the pike. "Wireless" is the key word here. These networking technologies are based on good old radio, and who better to push these technologies forward than guys like us who understand radio.

This point was brought home to me last week as I was interviewing an executive of a wireless company for an article that I'm writing. He said to me that many of the companies he works with are taking a software-centric view to their wireless products. They simply use the reference designs provided by the wireless chip makers and expect those designs to work flawlessly in their products.

While they often do, he gave me an example where simply using the reference design was a colossal failure. In one case, he said, the company mounted the board inside a metal enclosure. Since the antenna was part of the printed-circuit board, the enclosure acted like a shield, and of course, the device had little or no range.

He went on to say that he thought that there was a real shortage of experienced RF guys in the wireless industry. Does that sound like an opportunity to you? It does to me. So, I'm going to make like Wayne Green here and exhort all you guys to get out there and take advantage of it.

This is not only a business opportunity, but a way for amateur radio operators to fulfill a couple of the "purposes" of amateur radio, as set forth in Part 97.1 of the amateur radio regulations. Part 97.1(b) says that one of the purposes of the Amateur Radio Service is "Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art." According to Part 97.1(d), another purpose of the Amateur Radio Service is "Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts."

Let's do it!

When he's not ruminating on the latest wireless technologies, KB6NU likes to make use of some vintage wireless technologies by working CW on the HF bands. He's also a prolific blogger (www.kb6nu.com) and the author of the "No Nonsense" amateur radio license study guides (www.kb6nu.com/study-guides). If you have a comment or a question, email him at cwgeek@kb6nu.com.

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Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective August 20, 2015

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