



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 31 – No. 5 – May 2016

Upcoming Club Events: May 2016				
Event:	Date:	Time:	Place:	Contact/Info:
General Meeting	05/05/16	1900 MST	PMHMS	Club Website
Fox Hunt	05/08/16	1300 MST	AZ CU Parking Lot, GG Wy & WC Rd	Pete K6VVR or John WB9VGJ
Study Program – General Class License	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 of this newsletter.

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



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 ...
T'is the Season
by Frank Bender, K8FB

Our club is headed to the active outdoor season of the year. Our first round of public service events has already started. The Whiskey Off Road Bike Event, Whiskey Row Marathon, Chino Grinder, Mountain Mayhem, and Yarnell Fire District Memorial Runs are just around the corner. Public service events are a big part of the focus of our ARRL Special Service Club. Please participate. These events help all of us prepare our equipment for an emergency and helps sharpen our operating skills. If you are new to public service events, you can be teamed up with an experienced person, who can show you the ropes. Contact Patti Halgunseth KB7VBG (kd7vbg@cablone.net) to sign up for participation.

By the time that you receive this newsletter, our club's initial National Parks on the Air (NPOTA) operation should be close to taking place at Tuzigoot National Monument on April 25. If interested in participating, contact Don Bauer (wb7tph@w7yrc.org).

Our Prescott Hamfest at ERAU, co-sponsored with the Eagle Amateur Radio Club at ERAU and the Amateur Radio Council of Arizona (ARCA), is another exciting event for our club on June 10 and 11. Please come out and support this event. We also need volunteers to help out with the event. A lot of planning has been going on to ensure that this will be a successful event that hopefully will continue to grow in future years. Go to www.w7yrc.org/prescott-hamfest for further details.

What would ham radio clubs be without the ARRL Field Day (FD) on June 25 and 26 - with ours being at the Jeep Posse building this year? Come out and operate a station. A Get on The Air (GOTA) HF station will be set up for new and inexperienced hams to operate. Even non-licensed persons can operate the GOTA station with the supervision of a licensed amateur. Our club picnic will also be held on Saturday, June 25, where you can share in good food and good company. There will be plenty of parking available for this event. For additional details go to www.w7yrc.org and select "Events" from the menu and then select "Field Day".

And of course, our monthly Transmitter Hunt (T-Hunt) adventures take place in Prescott, on the Sunday following our club meeting. The group meets at 1300MST at the Arizona State Credit Union parking lot on Gail Gardner Way. Pete Morrison and John Broughton facilitate these monthly events. If you have never done one of our T-Hunts, Pete or John will team you up with an experienced group – no equipment required.

You will never know what experiences you will encounter until you try some of these activities. What more can our club possibly offer to our members during the beautiful months of April, May, and June?



David W7BJ

TREASURER'S REPORT		General	Repeater
March 2016		Fund	Fund
CASH – February 29, 2016		\$7,603.75	\$2,185.27
	Dues	\$216.00	\$24.00
	Donations		\$10.00
	50/50 Raffle	\$82.00	
	Misc. < \$50	-\$4.40	\$0.05
	TOTAL INCOME	\$293.60	\$34.05
	iThemes – BackupBuddy	\$297.00	
	YCJP – 2 nd Qtr Utilities	\$120.00	
	Misc. < \$60	\$226.75	
	TOTAL EXPENSES	\$643.75	\$0.00
CASH – March 31, 2016		\$7,253.60	\$2,219.32
** Detailed statements are posted on www.w7yrc.org			

Minutes for the March 31, 2016 Board of Director's Meeting

Present at Meeting: KE7SA, W7PVA, KJ6KMK, W6TYV, WB7TPH, W7BJ, N9JYO

Meeting called to Order by K8FB at: 1755 MST.

Old Business:

Treasurer's Report and Meeting Minutes: February 2016 Treasurer's report has been published in the March Signal (cash balances general fund \$7,603.75, repeater \$2,185.27).

- The Board accepted the Treasurer's report.
- March board and general meeting minutes have been published in the April 2016 Yavapai Signal.

Upcoming Programs:

- April – Printed Circuit Board Prototyping presentation by Doug Theriault NO1D
- May – Transmitter Hunt presentation by Pete Morrison N6VVR and John Broughton WB9VGJ
- June – Journey to the Edge: VP8 DXpedition to South Sandwich and South Georgia Islands by Ned Stearns AA7A (change from last month).
- July – SIG Breakouts
- August – Fun with CW by Loren Singh AE7CG
- Sept. – SDR presented by Doug Theriault NO1D
- October – Program Open
- November – Lloyd Halgunseth Memorial Month (2016 Public Service Award) and Officer and Board Elections (President, Treasurer, and all board members) – The board agreed that there is no time for a program this month.
- December – Appreciation Awards – Program Open (possibly SIG breakouts)

NPOTA - As part of the ARRL NPOTA project, Don WB7TPH has planned a trip to Tuzigoot National Monument near Cottonwood to operate several NPOTA stations on Monday, April 25, 2016.

- Don said that the possible operating window is 0900 to 1700 MST – the time the park is open. He said he will talk to the park ranger again to confirm the location and time period. He will also contact the ARRL to put this event on their website.

Prescott Hamfest at ERAU

- Update from Chuck KE7SA and Bill W7PVA
- A contract has been prepared by ERAU and approved by the Board via email. The contract is to be signed by K8FB, the YARC president, and returned to ERAU by April 10, 2016. A current certificate of insurance has been sent to ERAU by ARCA as a show of good faith. After the ARCA insurance policy is renewed on 5/19/16, a new certificate of insurance will be sent to ERAU.
 - o K8FB still needs to check with ERAU to see if any security will be available, if vendors leave merchandise out overnight.
 - o ERAU does not have a list of food vendors. Food vendors need to be licensed and insured.
- At the March meeting, the YARC membership authorized an expenditure of up to \$2,500 to be spent by the hamfest committee to pay for expenses and major prizes for the hamfest.
- 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 Frank K8FB has agreed to lead the YARC consignment booth. A form has been prepared to manage sales for YARC and Eagle ARC members. Non-member hams can also use the YARC consignment facilities.
- There is a possibility that Skype could be used for some seminars. The equipment is available.
- KJ6KMK has an Extra Ham Class online subscription to donate to the Hamfest.

Member Meeting Format Change – What is the board's reaction?

- The reaction of the Board was very positive to the new change.

2017 YARC Party – Dixie Zappala N7OYY has a friend looking into the suggested YARC party location options for the club.

→ Dixie provided a very comprehensive report to Frank and he will provide it to the board for their review. A decision is expected by May. Everyone was very grateful to Dixie and her “secret friend” for their effort in reviewing the possible venues.

General License Class Study Sessions

- ♣ Two of nine scheduled sessions have taken place.
- ♣ 13 participants on average.
- ♣ Frank K8FB and Don WB7TPH are co-instructors.
- ♣ The classes have been well received and should conclude in May.

ADAW Newsletter Update – Don WB7TPH

→ Don reported that 2 editions have been published so far promoting the hamfest and the programs to be presented at the YARC meetings.

2016 Field Day

- Field Day committee met on 3/16/2016 (W7BJ, N7CW, KF7WOT, KG7BAM, W6TYV, N6KZ, AG6AY, and K8FB attending)
- Bud N7CW reported that his OEM superior has requested that the MARC not be used at Field Day or the hamfest. There is no change regarding use of the MARC for public service events.
- Jeep Posse (Graham Bacheler, Captain) has approved use of the Jeep Posse grounds for Field Day.
- FD committee voted to only hold Field Day on the Jeep Posse grounds and not at Lynx Lake.
- FD committee recommended cancellation of Lynx Lake reservation (club forfeits \$10 service fee of \$159 reservation - \$149 should be credited to club credit card).
- The Board agreed with the recommendation and authorized the President to proceed to cancel the Lynx Lake reservation.
- Terry Schultheiss KG7BAM volunteered to barbecue beef tri-tips obtained from Costco for the club picnic which would be held mid-afternoon on Saturday of Field Day.
- Meat, salad, and drinks would be provided (vegetarians/ vegans would bring their own entrée).
- Members would bring a dessert
- Committee recommended charging \$3 per person, when pre-paid, for the picnic meal. The meal price would be \$5 the day of the picnic or after the pre-paid cutoff. Jo Schultheiss KF7WOT will solicit picnic ticket sales.
- K8FB proposed offering free meals to invited public officials and several Jeep Posse leaders (Graham Bacheler and Jerry Kimmet).
- Committee proposed having 50/50 raffle or other drawing at the picnic.
- Club would make up any deficit resulting from the picnic meal.
- FD committee is requesting board approval of FD only being at Jeep Posse building, cancellation of Lynx Lake reservation, split the pot or other drawings, and picnic plans as proposed. The board agreed to the FD plans proposed by the committee.

VE Exam Update – March 12 VE exam session results – WB7TPH:

→ There were 10 potential new hams or upgrades examined. 9 were successful. Next examination is May 14th.

Awards Committee – Dick Hughes W6CCD, life member, has agreed to serve on the committee, but declined to serve as the chair person.

→ Still looking for a new chair.

New Business:

Member Suggestions – None submitted at the March general meeting.

Club Station Update – A 160/ 80 Meter trap dipole was donated to the club by Paul Jackson, brother of Jim Jackson NS2K (SK).

- Graham Bacheler, Jeep Posse Captain, approved installation of the dipole.
- The dipole has been installed.
- Expenditure of around \$85 dollars was authorized by K8FB (president) for antenna support and lightning protection.

Technician Class License Study Sessions

- Brian Vlastelich KG7TSY volunteered to teach a couple-session Technician Class License Study Class.
- Kathy, KJ6KMK, offered to assist with these classes.
- Tom W7SUA indicated that the ERAU amateur radio astronomy group is encouraging its members to get their Technician Class licenses.
- Class beginning date is TBD, but would be after the General Class License study sessions are complete.

June 4th Jeep Posse Open House

- The Jeep Posse is having an open house from 0900 to 1600 MST at the Jeep Posse grounds (outside).
- YARC has been invited to participate and have a booth.
- The Board agreed to have a booth.
- Have hand helds to demonstrate radios, particularly for youngsters.
- Have supply of new club brochures on hand for distribution.
- Limited tours of club station.

YCJP Memorandum of Agreement (MOA) – The MOA with the Jeep Posse for the use of the Jeep Posse building as the club station is up for renewal in June. Preliminary indications are that the agreement will be renewed with little or no changes.

– Frank agreed to talk to the Jeep Posse in May regarding our agreement. The Board also agreed to pay the next quarterly installment of our annual fee.

440 Repeater Improvements – Pete K6VVR plans on raising the antenna (possibly move to another part of site), install 100 watt amplifier, possibly install a better gain antenna, and turn on the C4FM digital mode. The weather has been steadily improving on Mt. Union.

Updated Club Station Access List – Rob Redford KG7LMI and Tony Jackson KI6AHH have been recommended by the Elmer Group to be added to the club station access list as rotating members. Dave Hanson W7BJ has moved from a rotating position to a dual member position. Graham Bacheler has approved these changes. K8FB requests that the board approve these changes.

– The Board approved the changes to the access list.

Repeater Sale – Pete K6VVR recommends taking the two VHF repeaters to the hamfest to sell. These had been donated by the city of Prescott. Pete also recommends selling the tube type 6 Meter repeater, donated by Ron Ross K6CWD, at the hamfest. It was recommended that the club keep the 6 meter cavity.

ERAU Balloon Launch – ERAU will hold a balloon launch this Saturday, April 2nd. It will have a 20 meter beacon, 40 milli-watts of power and be launched to a proposed height of 100,000 feet. They would appreciate any reports from anyone hearing the signal.

YARC Website – Randy, W6TYV, expressed a concern that an issue which caused the Posse website to go down might impact our site. He suggested that the club purchase plug-in application for WordPress which would allow us to back up the entire website (both initially and on-going) as well as malware protection. The back-up would include on-site, off-site and cloud. The cost would be \$100/year or \$297/lifetime purchase. This is refundable if not fully satisfied.

– Kathy, KJ6KMK, made a motion to purchase the lifetime contract and Bill, W7PVA, seconded the motion. The motion was approved. Randy will proceed with the purchase of the software.

– Randy also suggested and the board agreed that the passwords required for the maintenance of the website need to be held by more than 1 person. The board decided that Randy would provide all the applicable passwords to the Secretary to be maintained in the files for future use.

Adjournment: K8FB adjourned the meeting at 1915 MST.

**Yavapai Amateur Radio Club, General Meeting
April 07, 2016**

=====Minutes=====

Call to Order at: 1900 MST.

Pledge of Allegiance: President Frank, K8FB, led the members in the Pledge of Allegiance.

Welcome visitors: The following visitors were welcomed: Gene, AO2I, Terry and Lynn

Sick Call –

- Bill Booth KG7TTF is recovering at home from an aortic valve replacement and has been in intensive care.
- Erika Schiltneck KI7JZ is recovering at home from a bad fall and a resulting hip injury.
- Ron Ross K6CWB is recovering at home from a recent hip replacement.
- Mary Vince AB7NK is recovering from a broken foot.

Meeting Minutes and Treasurer Report: Motion to approve March 2016 minutes and February 2016 Treasurer's report as published in the April 2016 Signal.

→ A motion was made to accept the reports by Pete, K6VVR and seconded by Ralph, W7HAM. The motion to accept the reports was passed.

New Members – N6QCA - Phillip Baird, KG7TSY - Brian Vlastelich, W4LXT – Pudge and Frank Davidson (no call yet)

→ Motion to accept the new members was made by Bob, WB6ODR and seconded by John, WB9VGJ. The motion passed.

Bud, N7CW announced that some towers sections and antenna had been donated were being offering for sale to raise money for ARES/RACES GO Kits. Anyone who is interested should see Bud for more information.

Program – “Printed Circuit Board Prototyping” – was presented by Doug Theriault NO1D. The presentation will be placed on the website with the programs from preceding months.

Break; 1955 to 2005 MST

50/50 Raffle: Winning number is 1013642 – Diane KG7YVP 50/50 amount \$77.50

Committee reports:

— YARC Event Communications, Patti KD7VBG

— Hamfest – Bill W7PVA, Chuck KE7SA

— Repeater, Pete K6VVR – 440 MHz repeater is running fine

— Fox Hunt, Pete K6VVR, John WB9VGJ

— Elmer Group, Jim N6KZ

— School Amateur Club, Terry KB7TRE

— VE, Don WB7TPH

- License session results from March 12, - 9 new Ham licenses

- Next VE session May 14

— Webmaster – Randy W6TYV

— Club Station – Frank K8FB

- 160/ 80 meter dipole donated by Paul Jackson, brother of silent key Jim Jackson NS2K, has been installed by the Elmer Group

- The club station now has 160 through 10 meters capabilities

- A multi-session General Class License study class is being held on most Fridays

Old Business:

National Parks on the Air - As part of the ARRL NPOTA project, Don WB7TPH is planning a trip to Tuzigoot National Monument near Cottonwood on Monday, April 25th to operate an NPOTA station. Contact: Don Bauer WB7TPH.

Equipment Donations – Bring any equipment donations to the club meetings or contact Frank Bender K8FB. Donations will be sold at the consignment booth at the Prescott Hamfest at ERAU in June. Members can also have their items sold at the consignment booth.

New Business:

2016 Field Day (FD) – 1100 MST June 25 to 1100 MST 26 at the Jeep Posse Building. Let Frank Bender K8FB know if you can help with set up on Saturday morning or tear down on Sunday morning.

2016 Club Picnic at FD – The club picnic will be held on FD, Saturday, June 25, mid-afternoon at the Jeep Posse building. Terry Schultheiss KG7BAM will be barbequing beef tri-tips. Members to bring a dessert. Meal cost: \$3 per person until June 18. \$5 per person after June 18 and on the day of the picnic. See Jo Schultheiss KF7WOT to purchase picnic meal tickets.

YCJP Open House – The Jeep Posse is holding an open house on the grounds of the Jeep Posse building on Saturday, June 4 from 0900 MST until 1600 MST. YARC will be having a booth there. A couple of volunteers are requested to help demonstrate communications via handi-talkies for kids.

Technician Class License Study Class – A multi-session Technician class is planned to begin sometime in the summer. Dates are TBD. Our lead instructor will be Brian Vlastelich KG7TSY.

Announcements:

- The 2017 YARC Party will be at Centennial Hal at the Prescott Airport on January 21st.
- Pete K6VVR announced that Ken West (call unknown) of Chino Valley is now a Silent Key.
- Forrest Murdoch, WH6EAL, (ERAU) announced that 2 of the Eagle Club members would be graduating with EE degrees.
- Clayton, KJ6QJS, (ERAU) announced that the recent balloon launch was successful. Two balloons were launched.

Adjourn: 2030 MST

Club Station Update

We are currently offering a 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.

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. You can download the consignment form from the club website at www.w7yrc.org/prescott-hamfest . Again, if interested contact Frank K8FB.



Upcoming Public Service Event Communications

Date	Day(s)	Event	Place	Comments
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@cableone.net) to coordinate
05/14/16	Sat.	Whiskey Row Marathon*	Prescott	Long standing YARC event
05/21/16	Sat.	Mountain Mayhem*	Prescott	Tentative date
06/04/16	Sat.	Yarnell Fire District Memorial Run	Yarnell	Doug Jarmuth, NØDAJ (n0daj1950@gmail.com)

Signing Up for Events

Sign-up sheets for above events with an asterisk (*) will be at the YARC general meetings. Contact Patti KD7VBG kd7vbg@cableone.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.

Yarnell Fire District Memorial Run — Saturday, June 4, 2016

The Yarnell Fire District Memorial Run, 5K, 10K, 19K will take place Saturday, June 4, 2016. This event honors the 19 Prescott fire fighters who lost their lives fighting the Yarnell Hill Fire on June 30, 2013.

Run details can be found at

<http://yarnellmemorialrun.com/>.

Operators are needed from 0630 MST until approximately 1000 MST (approximately 3.5 hours). Because of expansion of the races this year, 15 operators are needed.

Contact: Doug Jarmuth, NØDAJ
[928.685.3328](tel:928.685.3328) (H)
[928.231.2616](tel:928.231.2616) (C)
n0daj1950@gmail.com

YARC Members “Under the Weather”

- Bill Booth KG7TTF had an aortic valve replacement done and had been in the ICU after his surgery. Thankfully, Bill is now home and recovering well.
- Ron Ross K6CWB recently had hip replacement surgery and is now recovering at home.
- Erika Schiltneck KI7JZ suffered a bad fall, injuring her hip. Erika is now back home.
- Mary Vince AB7NK recently broke her foot and is in a walking cast.



**LICENSE TESTING
by Don Bauer, WB7TPH**

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

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



New Members

The following new YARC members were voted in at the April meeting. Please introduce yourself to them and make them feel welcome:

- Phillip Baird N6QCA
- Pudge Forrester W4LTX
- Frank Davidson (no call) and
- Brian Vlastelich KG7TSY.



General Meeting Programs

April Program

Doug Theriault NO1D presented a “Printed Circuit Board Prototyping” overview at the April meeting. His project was 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 program illustrates the design and construction of simple circuit boards for small to medium size projects. Doug’s presentation files and a link to his YouTube video can be found at the club web site. Select “Club” from the menu, select “Presentations, Forms, Docs, and History”, and then select “Presentations”.

Our thanks go to Doug for the great presentation.

May Program

For the May program, Pete Morrison K6VVR and John Broughton WB9VGJ will be presenting an overview of the club’s monthly T-Hunt (Transmitter Hunt) activities. This presentation will give insight into this popular club activity.

Tentative Future Programs

- June: “Journey to the Edge – the VP8 Dxpediton,” Ned Stearns AA7A
- July: SIG Breakouts SIG Moderators
- August: “Fun of CW,” Loren Singh AE7CG
- September “Software Defined Radio (SDR),” Doug Theriault NO1D
- October: Open
- November: WA6ZZJ Memorial Month – Public Service Award and Club Elections
- December Club Appreciations and SIG Breakouts SIG Moderators

Today's Classroom Etiquette — From a University Catalog

Activities that distract from the learning environment and interfere with the conduct of the educational process are prohibited. Such activities include emailing, instant messaging, cell phone usage or receiving calls when not on silent mode, headsets for music, surfing the internet aside from direction by faculty as a part of the conduct of the classroom, bringing animals to class, conducting conversations outside of class participation, and distracting peers or faculty from the conduct of the learning process. Faculty have the responsibility to maintain the classroom environment and will ask those who engage in distracting activity to leave the room.

Prescott Hamfest at Embry-Riddle Aeronautical University (ERAU)

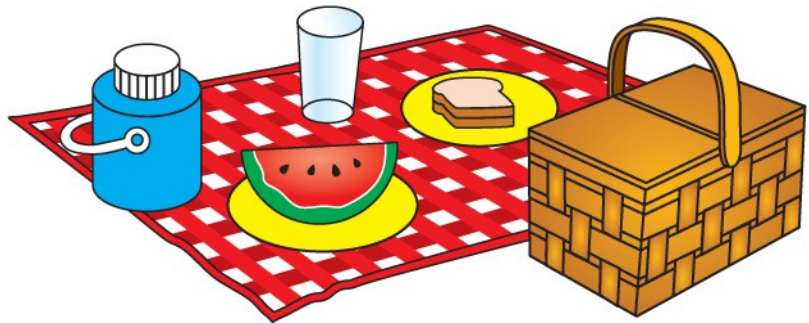
The Prescott Hamfest at ERAU will be held on Friday afternoon, June 10 and all day Saturday, June 11, 2016 on the campus of the Embry-Riddle Aeronautical University. Planned activities include tailgating, YARC consignment sales, commercial vendors, test bench to check out potential purchases, transmitter-hunt, 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.



2016 Field Day and YARC Picnic

The 2016 YARC Field Day operation will run from 1100 MST on Saturday, June 25 through 1100 MST on Sunday, June 26 at the Jeep Posse building at 1200 Commerce Drive in Prescott (behind the skating rink at Pioneer Park). Field Day set up will be on Saturday morning. The set-up time will be announced as we get closer to Field Day.

The annual club picnic will be on Saturday, June 25 beginning around 1500 MST at the Field Day location. Terry Schultheiss KG7BAM will be preparing barbequed beef tri-tips. Meal cost will be \$3 through June 18 and \$5 after that and on the day of the picnic. Members are asked to bring a dessert. See Jo Schultheiss KF7WOT (joann@ssofaz.com) to purchase meal tickets.

A Get on the Air (GOTA) station will also be available, run by Jim Zimmerman N6KZ. Come out and operate one of our Field Day stations and enjoy the fellowship of other members and guests at the picnic on Saturday.

This event is open to the public. Talk-in will be on the YARC repeater – 146.880 (-) MHz, 100 Hz tone. Frank Bender K8FB (president@w7yrc.org) is the acting Field Day chair for this year.



GPS was placed in its bracket by the windshield and left in the sun. The battery overheated and exploded! Looks like a good lesson to learn. This probably also applies to cellphones, tablet computers, digital cameras, and other devices that use lithium batteries. Might this be a reason why the U.S. Postal Service will not ship electronic devices that contain lithium batteries any longer?



Five Categories of Internet Addiction

1. Cyber-sexual addiction to online pornography and adult chat rooms
2. Compulsive shopping, gambling or stock trading
3. Compulsive searching for and consumption of information
4. Obsessive playing of computer games
5. Unhealthy preference for relationships with people online rather than real-world friends and relatives

Profile of an Internet Addict

- Male, age 30 or less
- Mentally single; not engaged in acts of mercy; not concerned about others; without friends; does not value community life.
 - Considers daily life boring; does not think of achieving higher goals; does not believe in life growth.
 - Has no strong beliefs; finds playing computer games the easiest thing to do.
 - Believes in having limitless time, and that time is not a constraint.



April 2016 Foxhunt by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, April 10, 2016. The foxes were Dave W7BJ, Pete K6VVR, Diane KE7ODP, and Patrick KG7EWD. They hid the transmitters on a dead-end street in Cliff Rose, very close to the intersection of Rosser Street and State Route 89.

There were just two teams for this hunt:

- 1) Clayton KJ6QJS; his mom observing; Brian KK6PGR; and Forrest, WH6EAL.
- 2) Jeff WB7RFY and John WB9VGJ.

The results of the hunt were:

Finish	Team	Time
1	KJ6QJS; his mom; KK6PGR; and WH6EAL	23 minutes
2	Jeff WB7RFY and John WB9VGJ.	28 minutes

Bob WB7FBA, was at the starting point. He is getting back into amateur radio after a long absence. He was invited to join Jeff and John, but declined. He said he just wanted to test some equipment and did not plan on finishing the hunt. We hope we'll see him again in the future.

This was a short hunt as both teams found the transmitters rather quickly. The first team left the starting point at 1306 MST and the second place finishers found the transmitters at 1335 MST. It took Jeff and John just five minutes longer to find the primary transmitter than it did the winning team. Once again, Team 2 was a close second. One of these days, maybe Team 2 will win! Congratulations to Clayton, Brian, and Forrest for winning the hunt.

You can see pictures of the hunt here:

<http://tinyurl.com/YARCfoxhuntApril2016>

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

Are you Really an Old Timer?

Each of the following has a meaning in old time ham radio that may be different than the common usage. See how many you can identify or answer? Have fun! - John AE7P

1. What are the meaning of the words "octal" and "loctal?"
2. What is a condenser?
3. Explain the expression "all American five."
4. In ham jargon, what is an 807?
5. What is spaghetti?
6. What does the slang expression "mickeymics" usually refer to?
7. What was the most common use for a Greenley punch?
8. What is the purpose of a dynamotor?
9. What was the most common use for the 6H6?
10. Explain the expression "dilly bump de bump."
11. What does a ham mean when he talk about "breadboarding?"
12. If you are "rockbound," what does that signify?
13. If a UA6 answers your call, who is working you?
14. What are heaters?
15. What is a 5-way binding post?
16. What is a B battery used for?
17. What is a sidewinder?
18. How does a bug differ from sk?
19. What are green stamps?
20. What is a "cat's whisker" used for?
21. What is a cheese cutter?
22. What is the greatest potential hazard of an AC-DC radio? Why?
23. What does the first number in a vacuum tube signify?
24. What is a fahnestock clip?
25. What were plug-in-coils normally used for in ham radio?
26. What is a VTVM?
27. What is special about the CK722?
28. What was the most common use for electrolytic capacitors?
29. Who was Hiram Percy Maxim?
30. Before plastic, what was the most common material used for insulation in hookup wire?
31. What material was used for earpieces in early headphones?
32. Why did many speakers have two sets of coils, rather than one?
33. Why were the five meter and eleven meter bands important?
34. Why did every ham want to visit Benton Harbor, Michigan?
35. What is paste flux used for?

Why You Should Get Your Extra Class License by Dan Romanchik, KB6NU

The Amateur Extra Class license is the highest class of license in the United States, and perhaps the world. Many hams—even hams that live outside the U.S.—aspire to pass the test and be awarded one.

There wasn't always an Amateur Extra Class license. The Extra class license, as we know it today, was created as part of the 1951 license restructuring, that also created the Novice and Technician Class licenses. (In 1951, the Novice license was the "beginner's license." To get a Technician Class license, you had to pass the written test that General Class operators had to pass.)

Although it gave an operator no additional privileges, to get an Extra Class license, one had to:

- * Pass a 20 wpm code test (Generals had to pass only a 13 wpm code test).
- * Pass a longer and more difficult written examination than the General Class exam.
- * Have at least two years of experience as a licensed radio amateur.

Today, without the code test and the experience requirement, many hams upgrade to Extra Class as soon as they can. Some even pass the Technician Class, General Class, and the Amateur Extra Class exams in a single test session.

So, what's the attraction? Why should you upgrade to Extra?

One of the reasons that you should upgrade to Extra is that you get use of the entire 80 m, 40 m, 20 m, and 15 m bands. Portions of those bands, such as 3.6 – 3.7 MHz in the 75m band and 14.150 – 14.175 MHz in the 20m phone band, are reserved exclusively for Extra Class licensees. Extra Class operators also have exclusive privileges in the CW portions of the 80 m, 40 m, 20 m, and 15 m bands. These are the frequencies where the DX stations hang out.

Another reason to get your Extra Class license is that only Extra Class licensees can administer General Class and Extra Class license exams. General Class operators can become Volunteer Examiners (VEs), but they are only allowed to administer Technician Class exams.

Another reason you might want to get an Extra Class license is to get a fancy vanity call sign. Only Extra Class operators can apply for 1×2 or 2×1 call signs, such as W8RP or KT8K. A short, snappy call sign can help you work more DX or improve your contest scores.

Whatever your reason, studying for the Extra Class exam will open your eyes to many aspects of the hobby that you may not be familiar with. And, as you work your way through the material, you'll learn things that make you a better amateur radio operator and enable you to enjoy the hobby more. It's not easy, but in the end, an Extra Class license will help you have more fun with amateur radio.

Dan, KB6NU is the author of the "No Nonsense" line of amateur radio license study guides, a prolific blogger (www.kb6nu.com), and an active CW operator in the Extra Class portion of the HF bands. If you have any comments, questions, compliments, or complaints, email him at cwgeek@kb6nu.com.



Learning CW by Bill Frantz, AE6JV

As some of you know, I've been trying to learn morse code for several years. My interest in this ancient art form started with an Elmer (now SK) who encouraged me to use CW, saying, "Real hams use CW." As a practical matter, using CW increases the number of stations you can contact, either because of improved performance with weak signals, or just because that's what the station is using.

To pass the old 5 WPM tests, CW can simply be considered to be an encoding system for the letters, numbers, special characters, and some procedural signals. When you get to 20+ words per minute, CW is no longer just an encoding system. It is a language of its own and should be approached like any foreign language. The big win for people new to CW is that, in contesting and DXing, the vocabulary is very small. You can quickly recognize a few CW sequences the way you recognize spoken words and work the other stations.

There are a number ham activities where CW is frequently used. The simplest CW is probably found while DXing. Although the speed is high, the vocabulary is very small. You can scrape by recognizing AGN, ?, 5NN, TU, and your call sign. The DX may be limiting calls to certain parts of the world. For example: EU - Europe, JA - Japan, NA - North America etc., so it helps to recognize them, but a dozen words will let you get by.

Only slightly more complex is using CW for contesting. The vocabulary is a bit bigger, and it is also necessary to be able to copy the exchange. When operating search and pounce, there is plenty of time to listen to the other station, copy the call and exchange, and then work it yourself. Making CW contacts may put you into a more competitive entry category, but there is lot of fun in contesting without even expecting to win your category.

Perhaps the most complex CW commonly found on the bands is rag chewing. Here you need to be able to copy anything the other station sends: name, location, rig, and even perhaps the dog's name. The good news is that the CW speed in rag chewing contacts is usually much slower than either contesting or DXing.

Some of the things I have learned along the way may help others trying to learn CW.

ARRL code practice is sent regularly during the week on many bands. It is a good way to learn and improve your speed. Additionally, the CW Operators Club CW Academy has a variety of courses, one of which may be tailor made for you. Check out <http://www.cwops.org/cwacademy.html> for details.

There are some survival strategies for getting by with poor CW skills at high speeds:

- In contests I only search and pounce. I can hear the other op's call many times and get it right. One of my goals in learning CW is to get good enough to run in a contest.
- With my 100W and wire antennas, I get a lot of chances to listen to DX stations handle other callers. It is good practice to try to decode the call signs they're working. (It also helps locate the caller in the pileup.)
- I use my radio's CW decoder to act as a check on my head decoding.
- If the DX is only rarely identifying, or sending faster than I can copy, I see if I can find the frequency on the QRZ.COM DX spotting network. It is a lot easier to verify a call sent faster than you can read than it is to copy it.

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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Call	Name	03/23/16	03/30/16	04/06/16	04/13/16
K6VVR	Pete	x	x	x	x
K7CJW	Bob			x	
K7DCT	Andrew		x		x
KA5DWI	Art	x			
KF7ANX	Frank	x	x	x	
KF7FPD	Jerry	x			x
KF7OTB	Vince	x		x	x
KF7PQV	Dan	x		x	x
KG6AY	Art			x	
KG7EWD	Patrick	x	x	x	
KJ7WED	Bob	x			
NØSCA	Frank	x	x	x	x
W7HAM	Ralph	x	x	x	
WA6AQK	Ken	x	x	x	x
WN7E	Tom		x	x	x
KI6AHH	Tony		x		
N6QCA	Phil		x		
KG6IDN	Joe			x	
AD7NQ	Dale				x

Club Officers, 2016

Officer	Name	Call Sign	Email Address
President	Frank Bender	K8FB	president@w7yrc.org
Vice President	John Stevens	N9JYO	vice.president@w7yrc.org
Treasurer	David Hanson	W7BJ	treasurer@w7yrc.org
Secretary	Kathy Laing	KJ6KMK	secretary@w7yrc.org
Director	Donald Bauer	WB7TPH	wb7tph@w7yrc.org
Director	Randy Dashiell	W6TYV	webmaster@w7yrc.org
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Webmaster	Randy Dashiell	W6TYV	webmaster@w7yrc.org

Yavapai Amateur Radio Club — W7YRC Club Station Access List — Effective March 31, 2016

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
J. Zimmerman	N6KZ	E	Elmer Group	713-0542
A. Protas	KG6AY	E	Elmer Group	227-2954
D. Freeman	KV8TD	E	N7GMH Trustee	759-0958
D. Bauer	WB7TPH	E	VE Chair	775-4690
R. Dashiell	W6TYV	G	Dual Member	602-501-2571
J. Grimm	KD7RMV	T	Dual Member	759-0747
D. Hanson	W7BJ	E	Dual Member	602-615-3444
R. Mauldin	N7NGM	E	Rotating Member	216-2637
M. Belanger	W1DGL	G	Rotating Member	420-0498
R. Redford	KG7LMI	G	Rotating Member	227-1586
A. Jackson	KI6AHH	G	Rotating Member	562-644-0528

