



Yavapai Signal

The Yavapai Amateur Radio Club – Prescott, Arizona – DM-34 – Volume 30 – No. 7 – July 2015

Reminders	
Field Day, 06/27-28/15	See the June 2015 <u>Yavapai Signal</u> for details. Go to www.w7yrc.org .
Club Picnic, 06/27/15	Contact Doug Meyer, KF7YZJ (KF7YZJ@w7yrc.org) if you are attending, and tell him what side dish you will bring.
Hotshots Memorial N7GMH, 06/30/15	See details in this issue of the <u>Yavapai Signal</u> .



Upcoming Events					
Event	Day of Week	Date	MST	Place	Contact(s)
General Meeting	Thursday	07/02/15	1900	Prescott Mile High Middle School	
Transmitter Hunt	Sunday	07/05/15	1300	ERAU, Prescott	Pete K6VVR or John WB9VGJ
License Exams	Friday	08/07/15	1800	YCJP	Don WB7TPH
Hamfest	Fri. & Sat.	08/24-25/15	All Day	Williams	Frank K8FB

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

YARC 2M FM Net – Wednesday 1900 MST – 147.260 MHz – PL +103.5 Hz – June 17, 2015 – Check-ins				
K6VVR Pete	K7CJW Bob	KV7AC Jay	KA5DWI Art	KF7ANX Frank
KF7PQV Dan	KG7EWD Patrick	W7BNW Bryan	WB7RXK Clyde	KF7WOT Joann
W7HAM Ralph	WB6ODR Bob	KG7BAM Terry	AE7CG Loren	Join Us!





From the President's Desk ...

How are we doing? It has been mentioned before to me that we are the largest amateur radio club in Arizona. I don't know if this is true or not, but we are definitely a large group with over 200 members. A large, diverse group such as ours provides a lot of opportunities, yet it also provides challenges. Over the last several months, I have had a number of members who have approached me and indicated that they are pleased with the way the club has been going. Our board and I have been trying to continue to improve the workings of the club. As always, we try to acknowledge that there are so many people who work on various committees or in the background to make our club what it is.

This is something that we should all be grateful for. Recently, however, I received a comment from a member who was unhappy with the club. I appreciated receiving the comment but received few details, other than one that we were able to address. There may be other members who share similar feelings.

First, I would urge any and all of you to voice any concerns or desires for improvement to me (president@w7yrc.org) or to any of the board members who represent you. Stop by before or after the meeting to chat, send me an email, or give me a phone call. I arrive early to the meetings, so there should be plenty of opportunity to chat.

Finally, an area of ongoing concern to me is addressing the needs and concerns of our newly licensed and inexperienced members. We should be doing better in this area. This is a hobby that is so diverse with interests that no one should ever lose their excitement with amateur radio over the long term. We owe it to our newbies (novices was the old term) as well as to our old timers to keep the excitement alive.

Please note that there is a new entry, "Volunteer", on our web site's main menu. Here we list current volunteer opportunities with our club. If you are interested in helping out in any of these areas, please let me know.

I look forward to hearing from you and also seeing you at the July 2 meeting at Prescott Mile High Middle School.

73 – Frank Bender, K8FB

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.

Club Mentors ("Elmers")		
Name	Call Sign	Telephone Number
Bud Semon	N7CW	928-899-7400
Jim Zimmerman	N6KZ	928-713-0542

July Program : Special Interest Groups (SIGs)

by Don Bauer, WB7TPH

The program for the July meeting will be all about SIGs (Special Interest Groups). We have several SIGs that got started last fall and it is time to let the membership know what they are up to. A couple of the groups have been very active and are looking to increase their ranks. If you want to start a SIG, this will be an opportunity for you to see if anyone else shares your passion.

After the regular meeting, representatives of each of our SIGs will be asked to do a brief presentation on their activities. Following the presentations the groups will break out to diverse areas of the meeting room to discuss future plans and projects. At the same time YARC members are encouraged to visit with the groups and join if they are interested.

Because amateur radio is so expansive, the SIGs are a great way for YARC members to get involved in specialty phases of our hobby. The special interest groups are not restricted to club meeting nights, but are encouraged to assemble at their choosing, either in person or via email or round table discussions on radio. If you have an interest in one of our SIGS, please look in on one or more of the groups at the July meeting. You may find a niche you have been looking for. Or, if you have a hankering for a group on your favorite topic (radio of course), let Frank know, and he can add you to the list of speakers. Maybe you will find you're not alone.

Finally, along with our mentor program, wouldn't it be nice to have a "new hams" SIG? This could be a forum for all of those questions that newbies have while trying to get started, or even trying to get licensed. Anyone out there interested in starting a SIG for the beginners?

Hotshots Memorial Event — N7GMH

This year, the N7GMH memorial station will be on the air Tuesday, June 30. If you wish to participate from your home station, you must coordinate time and band with Doug KV8TD, so that you may use the call sign without anyone else doing so on the same band at the same time. If you want to join with other YARC members at the new club station at the Jeep Posse building, Doug plans to begin operations at 0800 MST.

As we did last year, we have prepared a special QSL certificate for the event. Anyone who contacts the N7GMH station during the event and requests a certificate will receive one via email ready to print. We will not be sending certificates via postal mail this year.

Please contact Doug at: w6nhx@aol.com for details and join in this remembrance of the Granite Mountain Hotshots firefighters who were lost on June 30 2013.

VE Testing

Our next opportunity to help you get licensed or to upgrade will be August 7th. This will be a Friday evening test session beginning at 1800 MST. We do at least one evening session each year for folks who work Saturdays or have other commitments. If you are looking to get that first license or know a friend who wants to get his ticket, here is one more opportunity.



YARC Volunteer Opportunities — Contact Frank Bender, K8FB (president@w7yrc.org) if interested.

Williams Hamfest – 07/24	Volunteer needed to help transport for sale equipment on Friday.
Williams Hamfest – 07/24-25	Volunteers needed to help man the club's flea market booth on Friday and Saturday, July 24 and 25. Let us know if you can help out for an hour or two on either of these days.
License Class Chair Person	Looking for someone to coordinate license classes for the club. YARC generally holds two sets of license classes each year. We are planning to hold a set of classes this coming fall.
License Class Instructors	Looking for instructors with or without previous experience.
Yavapai Hamfest Chair Person	We envision the hamfest being a half day or so event at a local venue, such as ERAU.
Club Station Access Members	At the Jeep Posse building, we are in need of several members who will have access to the building and the station.

Williams Hamfest

Clean out your shack and bring your unwanted radio items to the club meeting for sale at the Williams Hamfest, scheduled for July 24 and 25. Donated items will be sold by the club. The club will also sell your ham radio related items on consignment. Give your items to Frank, K8FB or Don, WB7TPH. We are also looking for volunteers who can either transport equipment for sale to the Williams Hamfest on Friday, July 24th or who can volunteer to help man the booth on Friday or Saturday (July 24 and 25) for at least an hour or two. If you would like to volunteer, contact Frank Bender, K8FB (president@w7yrc.org).

440 MHz Repeater Update

Pete, K6VVR submitted an application to the ARCA repeater council in mid-June, requesting a repeater frequency pair for our new 440 MHz repeater that is to be installed on Mt. Union. Two available frequency pairs were submitted with the application. Pete expects fairly quick turnaround from the repeater council. Once the repeater council approves use of a 440 MHz pair, installation of the new repeater on Mt. Union can begin. Many thanks go to Tom, WN7E for locating several available 440 MHz repeater pairs for us.



Treasurer's Report — May 2015		
	General Fund	Repeater Fund
Beginning Cash Balance, 4/30/2015	10927.63	2700.5
Total Income	599	30.07
Total Expenses	322.12	Ø
Ending Cash Balance, 5/31/2015	11204.51	2730.64
Cash Balance, 6/16/2015	11037.21	2750.64
David B. Hanson, W7BJ, Treasurer — 6/16/2015		

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Yavapai Amateur Radio Club (YARC)
 General Meeting
 June 4, 2015
 Prescott Mile High Middle School
 Prescott, Arizona

The meeting was called to order by K8FB at 1902 MST and the Pledge of Allegiance to the Flag was recited by all present. WB7TPH introduced the guest speaker of the evening, Richard H. Tejera, K7TEJ of Glendale, Arizona, whose presentation about Summits Of The Air (SOTA) was entitled, "Mountain Goats and Shack Sloths." K8FB welcomed visitors: Louis Caldwell, W7HX of Prescott Valley; Brian Vlastelich, KG7TSY of Prescott; Ronald Akers, KG7TTH of Dewey; and Kristina La Jeunesse, KG7BOM of Cave Creek.

K8FB announced that AC6AA is recovering from surgery; will be undergoing 6 months of chemotherapy; and has resigned as Yavapai Signal editor. K8FB thanked AE7CG for editing and producing the 6/2015 issue of the Signal. AE7CG has agreed to succeed AC6AA as editor, and has stepped down as secretary. KCØTGG has agreed to serve as secretary for the remainder of the term of office until 12/31/2015. K8FB asked for a motion to approve his appointment to the position. KB7TRE made the motion. WN7E seconded the motion. The motion was unanimously approved by acclamation.

K8FB asked for approval of the 5/7/2015 general meeting minutes and the 6/1/2015 treasurer's report. WB9VGJ made the motion. AF6ZR seconded the motion. The motion was unanimously approved by acclamation.

The following individuals applied for new membership: John Stevens, N9JYO of Prescott; Gregory Clark, KG7TTI of Prescott Valley; Gregory Larson, KIØHM of Chino Valley; and Louis Caldwell of Prescott Valley. K8FB asked for a motion to approve the four applicants. W7BNW made the motion. WB6ODR seconded the motion. The motion was unanimously approved by acclamation. -6- Yavapai Signal July 2015

Committee Reports:

1. Public Service Events: KD7VBG said that the next public service event would be held on 9/12/2015.
2. Patches, Badges, and Shirts: W7BJ announced the availability of patches; AE7IH offered completed badges for pickup; and K6VVR announced the availability of shirts.
3. Fox Hunt: K6VVR announced the upcoming 6/7/2015 fox hunt to be held at 1300 MST in the parking lot of the Arizona State Credit Union at the corner of Gail Gardner Way and Willow Creek Road in Prescott, with a post-event debriefing at the Junction Restaurant in Prescott.
4. Moving of K7GMG to PMHMS: KB7TRE thanked the YARC work crew for helping him to move the K7GMG radio station from Granite Mountain Middle School to Prescott Mile High Middle School.
5. Volunteers for License Examination Preparation Classes: K8FB conveyed the news that W7JLC and WN7L are stepping down from their coordination of the classes, and that new volunteers would be needed to succeed them.
6. License Examination, 8/7/2015: WB7TPH is coordinating the event, and further details will be announced at a later time.
7. Field Day, 6/27-28/2015: W7BJ, N7CW, and N6KZ will be station captains. All stations will be battery powered. Sign-up sheets were circulated for operators and for the picnic at 1600 MST, 6/27/2015.
8. Granite Mountain Hotshots Memorial Event: the N7GMH operating event is coordinated by KV8TD. The event takes place on 6/30/2015, starting at 0600 MST from home stations, and 0900 from W7YRC.
9. W7YRC Facebook Page: KI6AHH asked for volunteers to take pictures at Field Day, and to submit them to him after the event for posting to the club's Facebook page.

Old Business:

10. Club Station Update: K8FB stated that a Memorandum of Agreement (MOA) had been signed between the Yavapai County Jeep Posse and YARC. Access rules and operating guidelines will be posted at the YARC website. A members access list has been developed. A mentors ("Elmers") group will be assigned the tasks of installing, maintaining, and configuring the club station.
11. Williams Hamfest, 7/24-26/2015: K8FB announced that YARC is taking equipment donations; will do consignment sales; and needs booth and transportation volunteers.

New Business:

12. 7/2/2015 General Meeting: K8FB queried the membership about the suitability of convening the next general meeting on 7/2/2015. No objections were raised by those present.
13. Public Address System for PMHMS: K6VVR said that he would lend his personal public address system to the club until KB7TRE has installed his system at the school.
14. Club Calendar: K8FB asked that updates to the club calendar on the website be sent to him.
15. 50/50 Drawing: Winning ticket 1012250 was drawn. The lucky winner of \$29.50 was N9JYO.

Program: "Mountain Goats and Shack Sloths," by Richard H. Tejera, K7TEJ, Glendale Arizona

1. What is SOTA? (Summits On The Air): who, history, areas and regions, and definitions
2. Chasing Summits
3. Activating Summits
4. Shack Sloths (Chasers) and Mountain Goats (Activators)
5. www.hikeaz.com — hiking club website
6. www.w7btc.org — SOTA website
7. K7TEJ Backpack Equipment: Icom IC-7000; antenna tuner; portable antennas; battery, 12V 8A-hr; coaxial cable; 3-liters of water; bungee cords; log book.

Adjournment: K8FB adjourned the meeting at 2104 MST.

Respectfully submitted by

Loren Singh, AE7CG
YARC Acting Secretary

New Club Station Status Update
by Frank Bender, K8FB

The Memorandum of Agreement (MOA) to set up a club station at the Jeep Posse building at 1200 Commerce Drive has been signed by YARC and the Yavapai County Jeep Posse (YCJP). The MOA spells out the conditions of our partnership with YCJP. We have also drafted a set of physical access rules and station usage guidelines that the board has approved. We plan on posting these and other related information on our web site in the near future.

We are creating a list of members who will be permitted access to the Jeep Posse building and club station. To be placed on this list you need to be available to be scheduled for periodic club station operating events. You will also need to have some availability to open up the club stations for members upon request. If you are interested in having this access, contact Frank Bender, K8FB or Don Bauer, WB7TPH with a brief rationale as to why you should be chosen.

We have met with our YCJP representative, Mark Stringer, to discuss installing our station equipment and antennas. We are seeking permission from YCJP to install a tower at the building. When approved, it will take some time to get the necessary permit to install the tower, get the hole dug for the tower base, concrete poured, and the tower and antennas installed.

The Elmer (Mentor) Group (N7CW and N6KZ) will install a temporary antenna at the Jeep Posse building so that the Granite Mountain Hotshot Memorial operating event can take place at our club station on June 30, using call sign N7GMH. Contact Doug, KV8TD for details.

We will keep you informed of our progress in setting up the club station.

YARC Station W7YRC at Yavapai County (YCJP) Jeep Posse Location, Prescott, Arizona

Role	Name	Call	Permanent Access	Rotating Access	Starting Date	Time Period of Access	Membership
W7YRC Trustee	Pete Morrison	K6VVR	x		07/01/15		YARC
YARC Mentor Group	Bud Semon	N7CW	x		07/01/15		YARC
YARC Mentor Group	Jim Zimmerman	N6KZ	x		07/01/15		YARC
YARC President	Frank Bender	K8FB	x		07/01/15		YARC
N7GMH Trustee	Doug Freeman	KV8TD	x		07/01/15		YARC
VE Chair	Don Bauer	WB7TPH	x		07/01/15		YARC
Liaison	Randy Dashiell	W6TYV		x		07/01/15-06/30/16	YARC & YCJP
Liaison	Jim Grimm	KD7RMV		x		07/01/15-06/30/16	YARC & YCJP
YARC Vice President	Rex Mauldin	N7NGM		x		07/01/15-06/30/16	YARC
YARC Treasurer	David Hanson	W7BJ		x		07/01/15-06/30/16	YARC

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



June Program Presentation — “Mountain Goats and Shack Sloths” — Rick Tejera, K7TEJ

We appreciate that Rick Tejera, K7TEJ came up from Glendale, Arizona to present “Mountain Goats and Shack Sloths”, dealing with the Summits on the Air (SOTA) program. Rick provided a thorough history of SOTA and its definitions, areas and regions. Summit activators (Mountain Goats) operate from defined summits using portable equipment to make at least four contacts from the summit.

Activators earn points based on the ranking of their summits. Operators who chase summits (Shack Sloths) earn their own points for contacting summits. Rick has posted information and his presentation on www.w7btc.org . A SOTA spotting site (<http://www.sotawatch.org/>) can show you who is operating from summits and what bands and modes they are operating.

Rick’s backpack SOTA equipment consists of: Icom IC-7000; antenna tuner; portable antennas; 12 V 8AH battery; coaxial cable; 3 liters of water; bungee cords; and log book.





June 2015 Foxhunt
by John Broughton, WB9VGJ

The monthly foxhunt was held Sunday, June 7th. Forrest, WH6EAL, was the fox.

Teams of Hunters			
Team #	Member 1	Member 2	Member 3
1	Bob WB6ODR		
2	Jeff WB7RFY	John WB9VGJ	
3	Ron KCØTGG	AI AF6ZR	
4	Pete K6VVR	Dave W7BJ	Diane KE7ODP
5	Byon N6BG	Lara KD6AYO	

Forrest found good hiding places for the transmitters along Skyline Drive in Highland Pines. The transmitters were just inside the 5-mile-as-the-raven-flies limit in the foxhunt rules. We can depend on Forrest to always check out the 5-mile limit when he's the fox.

Jeff remarked that, if one doesn't want the transmitters found, Highland Pines seems a good place to hide them. When he and I were the foxes and hid them there, none of the hunters found them. It was almost like that for this hunt. Byon, who drove up from the Valley for the hunt, was the only hunter to find the primary transmitter. Jeff and I were virtually on top of it a couple of times, but, for various reasons, failed to find it. We did, however, find the secondary transmitter while hunting for the primary transmitter. I lucked out and happened to notice the antenna sticking up from the roadside reflector (See the pictures at the link.).

Congratulations to N6BG for winning the hunt. Next month, the hunt will be a different variety. Byon is going to hide five transmitters on different 2M frequencies and hide them all on the Embry-Riddle Aeronautical University campus. They will be on about a 50% duty cycle. It ought to be a very interesting and challenging hunt. The start time and location will be the same, the parking lot of the Arizona Credit Union on Gale Gardner Way.

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/YARCFoxhuntJune2015>. We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.



Procedures for the Foxhunt — July 5, 2015
by Byon Garrabrant, N6BG

1. The hunt will take place on the Embry-Riddle campus. See this map for boundaries and the <https://www.google.com/maps/d/edit?mid=z6OoTHprEUDI.koJxgmzVSegM&usp=sharin>
2. There will be 5 transmitters hidden around the campus, each on a different 2-meter frequency, and each on for a duty cycle of about 50%.
3. The transmitters will be about 15 mW each. They may not all be heard from the start point, but at least some will be, and all transmitters will be heard from at least 1 other transmitter.
4. Please be at the start point by 1300 MST, ready to hunt. At 1300 MST we will go over the rules, hand out the scorecards with the transmitter frequencies, and prepare for an official start time.
5. Hunters will have 2 hours from the official start time to find as many transmitters as possible, and return to the start point.
6. Scoring will be based on: 1) if the hunter returned to the start point within 2 hours; 2) on the number of transmitters found; and 3) on the time to return to the start point.
7. Hunters may hunt as individuals, or as a 2- or 3- person team.
8. Transmitters will likely be hidden before the start time, so any hunters within a mile of the
9. campus must stay off all 2M frequencies after 1000 MST the day of the hunt.
10. All transmitters will be hidden within 200 feet of a road passable by car, so hunters may drive between transmitters if desired.
11. All transmitters may be found in any order the hunter chooses. Obviously there will be an optimal path to take, so hunters may want to take some time at the beginning to learn about the general location of each transmitter heading out.
12. Each transmitter will have a 3-digit code label affixed to it. Upon seeing a transmitter, a hunter should write down the code on the scorecard, and move on to the next transmitter.
13. Byon, N6BG will be listening on the club repeater at 146.880 MHz, PL –100 Hz during the hunt.
14. Forrest, WH6EAL will notify campus security about the hunt.



Club Officers			
Officer	Name	Call Sign	Email Address
President	Frank Bender	K8FB	president@w7yrc.org
Vice President	Rex Mauldin	N7NGM	vice.president@w7yrc.org
Treasurer	David Hanson	W7BJ	treasurer@w7yrc.org
Secretary	Ronald Nelson	KCØTGG	secretary@w7yrc.org
Director	Donald Bauer	WB7TPH	wb7tph@w7yrc.org
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Andrew Ashcraft, 29 • Kevin Woyjeck, 21 • Anthony Rose, 23 • Eric Marsh, 43
 Christopher MacKenzie, 30 • Robert Caldwell, 23 • Clayton Whitted, 28
 Scott Norris, 28 • Dustin Deford, 24 • Sean Misner, 26

NEVER FORGET
06-30-13 Granite Mountain
 Hot Shots

Garret Zuppiger, 27 • Travis Carter, 31 • Grant McKee, 21
 Travis Turbyfill, 27 • Jesse Steed, 36 • Wade Parker, 22
 Joe Thurston, 32 • William Warneke, 25 • John Percin, 24