

YAVAPAI SIGNAL

The Yavapai Amateur Radio Club * Prescott, Arizona * DM-34 * Vol. 14 - No. 5 * MAY 2004

Welcome To The Yavapai Amateur Radio Club

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated club. The club participates in many activities in the tri-city area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community. Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/yr. The YARC meets at 7:00 PM local time on the 3rd Thursday of every month at the Granite Mountain Middle School, 1800 Williamson Valley Rd. in Prescott. It is about 1/2 mile north of Iron Springs Rd and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting. The weekly NET is held every Wednesday at 7:00 PM local time on the 146.880- repeater. All amateurs are invited to participate and visitors are always welcome. The Yavapai County ARES/RACES NET is held on Monday nights approximately at 6:45PM local time on the 147.220+ repeater on Mingus Mtn.

Club Repeater

The local 146.880- mHz repeater is the official adopted repeater for the YARC. It is located on the hill above Willow Creek Rd and requires a PL of 100.0 Hz. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications. The 147.040+ (100.0 PL) repeater is back up and running in Prescott Heights. Many thanks to Bill Kafka, W2YAV

YARC Officers for 2004

President

Rex Mauldin-N7NGM
rxer@jolmail.com

Vice President

Dick Hughes-W6CCD
w6ccd@arrl.net

Secretary

John Broughton-WB9VJG
wb9vvgj@arrl.net

Treasurer

Al Crook-KD7MTJ
alcrook@access-4-free.com

YARC Board of Directors (includes Club Officers)

Bob Smith-WB6ODR
Frank Horneff-WA7JBV
Jack Ragen-W3IVQ
David Passell-K6UWV

Weekly Net Control—David Passell-K6UWV
Newsletter Editor—Hal Tritel-N6OVE

Meeting Reminder

A reminder of our upcoming Training Meeting to be held at the Yavapai County Public Works Ready Room on this coming Saturday, May 22nd. The facility is located at 1100 Commerce Drive in Northeast Prescott and the meeting will start at 10:00 a.m. and run until noon.

This is a good opportunity for those that missed the last meeting in Cottonwood and for our members in the Prescott, Prescott Valley and Chino Valley areas.

Please plan to attend.

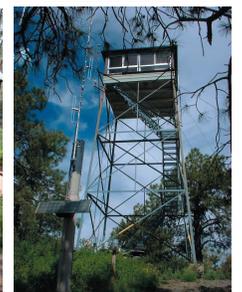
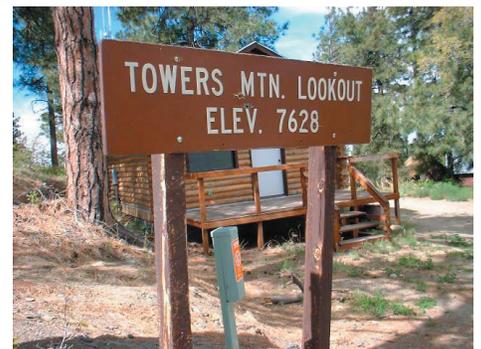
73, Lloyd

Lloyd Halgunseth WA6ZZJ
Yavapai County ARES/RACES
DEC/Radio Officer
(928) 717-2706



Tower Mountain Road Trip

It looks like it was an exciting and instructive trip, but I can't tell you any more since no words accompanied the pictures.



Minutes of April 2004 Meeting

Meeting called to order at 1900 by Dick, W6CCD.

The Pledge of Allegiance was recited.

Visitors: None

New members: None

New licenses/Upgrades: None

The minutes for the March meeting were approved

Treasurer's report: Al, KD7MTJ, gave the treasurer's report. The report is published in the April issue of the *Yavapai Signal*. Al requested an allocation of \$347.00 for the annual premium on the club's liability insurance. A motion was made and carried.

Committee Reports:

ARES/RACES: Lloyd, WA6ZZJ, reported that the mass destruction exercise was held for Cottonwood/Sedona/Camp Verde. He advised there would be a bio terrorism exercise to be held June 23 by the Yavapai County Community Health Services. He also reminded folks that the next ARES/RACES training on preparedness will be held on May 8 at 10:00 a.m. at the Cottonwood Public Safety Building at 199 S. 6th Street, Cottonwood and on May 22 at 10:00 a.m. at the Yavapai Public Works Ready Room at 1100 Commerce Dr., Prescott. He advised the Whiskey Row Marathon will be held on May 1st and that he still needs a few more operators. He reported that this year the club logo would be on the marathon T-shirts.

Old Business: Bob, WB6ODR, had sample dayglo/green knit shirts from Action Graphics. He said the owner was unable to find a supplier for yellow shirts. He advised that the club logo, name and call sign could be put on the front of the shirt and a large club logon on back, with the Web site URL, for about \$15.00. Dick, W6CCD, advised that T-Shirt Antics could get knit shirts in yellow. He is going to follow up on that. A show of hands indicated a fair number of members would be willing to buy a club shirt for a price of around \$15.00 or so.

New Business: Bob, WB7RRQ, advised the Prescott Road Rally would be held on Oct. 8th and 9th this year. John, WB9VGJ, requested an allocation of \$30.00 to pay the annual dues for the club's membership

in ARCA (Amateur Radio Council of Arizona). A motion was made and carried. David, K6UWV, asked if there were any volunteers to act as net control for the weekly club net for the month of May. There were no volunteers, so David said he would continue as net control for May. Dick, W6CCD, announced he had a 7-year old Fujitsu laptop for sale for \$80.00. Walter, KF6SPS, bought it. Dick, W6CCD, announced the program would be a talk about the Quartzite Rally by Bob, WB7RRQ and a film about the BC-610.

The business portion of the meeting was adjourned at 1926 for a break. The meeting reconvened at 2006. The drawing was held and Frank, WA6JBV, won \$13.00. Bob, WB7RRQ, showed slides and gave a talk on the Quartzite Rally. Dick, W6CCD, showed a very interesting film about the Hallicrafters BC-610 transmitter and how the Army Signal Corps adapted it in 1944 to be part of the SCR-299 mobile HF radio station. The program ended at 1939.

Respectfully,

John Broughton, WB9VGJ

Secretary



Minutes of February 2004 Meeting

Meeting called to order at 1904 by Rex, N7NGM.

The Pledge of Allegiance was recited.

Visitors: Rich, N9CEX, and wife Carol, KA9AVP; Dan, WB6ALS; Lynn, W7KGV; Mary Lou Broughton (wife of WB9VGJ)

New members: Lynn, W7KGV

New licenses/Upgrades: Tom, WA6JYO, upgraded to Extra.

Rex thanked Dick, W6CCD for presiding over the February meeting in Rex's absence.

The minutes for the February meeting were approved, with a correction changing the call sign of visitor and new member Dick from W7QAG to W7QHE.

Treasurer's report: Al, KD7MTJ, gave the treasurer's report. The current balance is \$2,012.85. The report is published in the March issue of the *Yavapai Signal*.

Committee Reports:

ARES/RACES: Lee, KC7CBK, reported there will be a weapons of mass destruction exercise Friday, 3/26 from about 9:30 a.m. 'til noon. Most of it will involve amateurs in the Cottonwood/Clarkdale area, but the ARES/RACES van will be going there. He has one volunteer who will drive it but needs two more volunteers go along as operators. The van will leave about 7:00 a.m. He mentioned the road rally in Quartzite on April 3rd, and that the Whiskey Row Marathon will be held Saturday, May 1 and he circulated a sign-up sheet for that event. He informed us there will be a bio-terrorist exercise by the Yavapai County Health Services on June 23. It is in the planning stage and more details will be forthcoming. Said there was an emergency exercise held Wed., Marcy 17 and that operations were set up at the Prescott City and Yavapai County EOC facilities. HF bands were used as this was in conjunction with Maricopa County and Palo Verde, AZ. He thanked Lee, KC2FWT, Terry KB7TRE, and Doug, KV8TD, for assisting with the exercise.

Old Business: Rex has been in contact with the Blind Center. He asked for volunteers to take care of the radio equipment there as well as for operating it. He gave a short report on the board meeting, telling attendees that 1) the board is working on the bylaws; 2) he is looking for volunteer examiners so the club can host license exam sessions; 3) advised of the hat/shirt/jacket discussion. There was discussion about this issue and very little enthusiasm to pay the price of quality, embroidered merchandise. The patch idea was well received and Rex advised it will be pursued.

If anyone is interested in a cap, shirt, or

jacket with just his/her call sign and/or a 'standard' logo, such as ARRL, MARS, SKYARN, RACES, etc., merchandise can be seen and ordered on the vendor's Web site: <http://www.qth.com/hamthreads/>

New Business: Dale, N7XFD, advised he would like to find someone, preferably more than one person, to take over the weekly club net. He said he has done it for a long time and would like a break. David, K6UWV, volunteered to help. Terry, KB7TRE, asked Dale to consider keeping involved as he appreciated the fine job he's been doing. Rex gave some highlights of the VVRA meeting held 3/17. Bob, K8EQC, is leading the effort to monitor the BPL (broadband over power line) test in the Cottonwood area. The equipment is not yet installed and APS said it will test the equipment before installing it. He said Cliff Hauser, KD6XH, the ARRL Arizona Section Manager gave a talk about the ARRL's proposed licensing plan. Lee pointed out that one item caught his ear: if the plan is implemented, changes in current licenses will not be made until renewal of the license. There was some discussion then, about license renewal and how it is accomplished via the FCC's Web site. David, K6UWV, suggested a future program meeting about the details of how to do this.

Rex announced that KC5FSN has a Kenwood TM742A transceiver for sale. Anyone wanting to make an offer should call 772-4767. Dick, W6CCD, announced he had a DeskJet printer and keyboard to give away. It was decided they would be given away with a drawing.

Hal, N6OVE, advised that the newsletter had not been printed. He was notified Tues. that Insty-Print was unable to access the file on the disk he gave them. He is working the issue and will get the newsletter printed as soon as possible.

Terry, KB7TRE, announced the school's no drug policy prohibited smoking on campus and asked that no members smoke while on school grounds.

Jim, N5RO, mentioned he has an antenna for sale advertised in the newsletter.

The business portion of the meeting was adjourned at 1919 for a break.

The meeting reconvened at 2006.

YARC TREASURER'S REPORT

April 2004

INCOME

Renewals

04/06/04 W3IVQ	Jack Regen	(1-4/1-5) ck.	1024	\$20.00
04/15/04 WA6ZZJ	Lloyd Halgunseth	(2-4/2-5) ck.	4005	20.00
04/19/04 W1OTH	Ray Forbes	(2-4/2-5) ck.	1967	20.00
04/26/04 WB7DXT	John Sullivan	(5-4/5-5) ck.	0000	20.00
04/19/0	50/50 Drawing			105.00
				<hr/>
				\$185.00

EXPENSES

04/15/04 John Broughton	Stamps	#759	\$56.95
04/15/04 David Passell	Refreshments	#760	5.59
04/15/04 Marsh	Liability Ins.	#762	362.00
04/15/04 ARCA	State Club	#761	30.00
04/15/04 Frank Horneff	50/50 Drawing		13.00
<hr/>			
Cash Flow			\$351.54

FISCAL STATUS

Previous Report	\$2,005.73
Checkbook Balance	\$1,657.79



Al Crook, KD7MTJ
Treasurer

The drawing was held and Bob, WB6ODR, won \$15.50 and donated \$5.50 to the club. After drawing two tickets for the printer with no one present having the numbers drawn, Bob's number was drawn. He also won the keyboard. He said he would find a good home for the printer and give the keyboard to the Masonic Lodge.

The guest speaker was Dan Brasher, WB6ALS. He is a technician for Wolfsberg Electronics and has quite a bit of experience in RFI, especially as generated by power lines. Dan gave a very interesting talk about RFI as it relates

to receivers. His talk did not cover RFI generated by amateur transmitters. He advised he has some useful information on his Web site: <http://www.qsl.net/wb6als/> He advised he has a repeater on 443.050+ (PL 136.5).

The program ended at 2027.

Respectfully,

John Broughton, WB9VGJ

Secretary



Whiskey Row Marathon 2004

This years Whiskey Row Marathon once again went off without a hitch. Most of the operators were in position by 0530 on the first portion of the route and on the back side through the forest by 0600. This out and back course is considered one of the most challenging in the United States. Starting at 5,280 feet, the elevation increases to 7,000 feet over the first 7 miles, then down to 5,600 feet at the 13 mile turn around. The course is paved road for the first and last 3.5 miles, while the rest is on Forest Service dirt road in the cool pines.



The weather cooperated this year and even though it was a little chilly at 0530 in the morning it warmed up into the mid to low to mid 70's by the time the race ended. This year there were 961 runners and walkers in the Judges events, not including the 2 mile Fun-Run Walk.

Around 0930 the Prescott Police received a cell phone call from a runner who had taken a wrong turn and was lost. We quickly put out the word on our radio net with name/number information and the runner was located around 0940. The Police were notified and appreciated the speed in which we handled the situation.

The last runner finished the course around 1240 and said all the help and encouragement received along the way was what kept her going.

This year for the first time the Yavapai Amateur Radio Club Logo was printed on the Marathon T-shirts along with other sponsors and we are listed with the Main Sponsors group. Once again the YMCA said they couldn't do it without our help. We really do make a difference out there.



YARC Net control Position for the Marathon

Amateurs involved this year were:

- WB9VGJ, W8BNL, KD7VBG, KC6ZHG, N7XFD, KC5DKN, KF6SPS, WA6QAK, KD6FDA, K6UWV, KV8TD, K7DRV, W6CCD, KC7CBK, KB6AH, WA6JBV, WB7RRQ, K7CJW, N7PJN and WA6ZZJ.

A **BIG THANK YOU** to all who participated and to the wives and friends who were along with them in the wee hours of the morning.....



One of the areas I think we need to brush up on is the use of 'tactical' call signs so I will put in the following info from past Marathons.

Using Tactical Call Signs

- * By using Tactical Call Signs, the net can be conducted without regard to which operator is at the radio. They identify the position and not the operator.
- * Use the Tactical Call sign to identify your transmissions and address another station by it's Tactical Call Sign.
- * No call sign is necessary in a two-way conversation once communications has been established.
- * It is not necessary to add the receiving party's call sign, just your own.

Example:

Water Two: Net Control, this is Water Two. Over.

Net Control: This is Net Control. Over.

Water Two: The lead Marathon runner just passed this point. Over.

Net Control: I copy. KC&??? Out.

Water Two: K7??? Out.

- * Using **Over** and **Out** may be omitted if it will not cause confusion. Signing with your FCC callsign will signify ending your transmission.
- * An easy way to remember is to establish contact with your **Tactical Call** and end the contact with your **FCC Call**...
- *** Using a tactical call sign does not relieve the operator of his/her responsibility to identify according to FCC rules. This is at the end of a transmission or series of transmissions or every 10 minutes whichever comes first.

ARES/RACES

The next ARES/RACES training meeting will be Saturday, May 22nd in the Yavapai County Public Works Ready Room located at 1100 Commerce Dr. in Northeast Prescott. The meeting will be on 'Preparedness and Activation' and will begin at 10:00 a.m.. All Amateurs are welcome to attend.

The Yavapai County ARES/RACES net is held on Monday evenings

at 1845 hours on the 147.220+ 162.2 P1 VVARA (cont. on pg. 6) repeater located on Mingus Mountain. The Mt. Union portion of the net is held immediately following on 147.260+ 103.5 P1 repeater at 1900 hours +/-.

The Arizona Sector 8 Skywarn net is held on the Mt. Union 147.260 ARES/RACES repeater at 1930 hours on Monday.

Lloyd, WA6ZZJ

**A friendly reminder that
June 19th is our
pre-field day event to
be held at the Prescott
City library from about
10 a.m. till 5 p.m.**



[More Whiskey Row Photos](#)



Welcome to Amateur Radio!

ARRL, your quick guide --
Fastrak -- to getting started!
License study materials ·
ARRL's license video course ·
ARRL's online license course
· Locate a testing site · Find
a local radio club · For Kids ·
Info for Visually Impaired · Join
ARRL! Support and benefits!

Let the Excitement Begin

Here's your invitation to a friendly, high-tech hobby that's got something fun for everyone! You can become an Amateur Radio operator--no matter what age, gender or physical ability. People from all walks of life pass their entry-level exam and earn their Amateur (ham) Radio license. They all share the diverse world of activities you can explore with ham radio.

You never know who you'll run into when communicating with Amateur Radio: Young people, retirees, teachers and students, engineers and scientists, doctors, mechanics and technicians, homemakers... boaters

Listen to an astronaut talk to students using ham radio.



and astronauts...

and even entertainers!

Getting started in ham radio has never been easier! We invite you to explore the following information and learn about Amateur Radio, and a little about us, the ARRL... the National Association for Amateur Radio, a non-profit



membership organization. We've been helping hams get started since 1914! We know you'll enjoy this fascinating world of Amateur Radio, and we hope to have the chance of meeting you on the air--when you become an Amateur Radio operator!

A FUN Hobby...

Listen to a Morse Code transmission in RealAudio.

What Can Amateur Radio Operators Do?

Ham radio operators use two-way radio stations from their homes, cars, boats and outdoors to make hundreds of friends around town and around the world. They communicate with each other using voice, computers, and Morse code. Some hams bounce their signals off the upper regions of the atmosphere, so they can talk with hams on the other side of the world. Other hams use satellites. Many use hand-held radios that fit in their pockets.

Fun for All Ages

Hams exchange pictures of each other using television. Some also like to work on electronic circuits, building their own radios and antennas. A few pioneers in Amateur Radio have even contributed to advances in technology that we all enjoy today. There are even ham-astronauts who take radios with them on the International Space Station and thrill thousands of hams on earth with a call from space!

With a SERIOUS Side...

Listen to amateurs talking through an FM voice repeater



(RealAudio).

Using even the simplest of radio setups and antennas, amateurs communicate with each other for fun, during emergencies, and even in contests. They handle messages for police and other public service organizations during all kinds of emergencies including:

- Hurricanes
- Earthquakes
- Tornadoes and floods
- Motorist accidents
- Fires and chemical spills
- Search and rescues

Deductive Reasoning

Little Johnny watched the science teacher start the experiment with the worms.

Four worms were placed into four separate jars.

The first worm was put into a jar of alcohol.

The second worm was put into a jar of cigarette smoke.

The third worm was put into a jar of sperm.

The fourth worm was put into a jar of soil.

After one day, these were the results:

The first worm in alcohol - dead.

Teacher then asked the class -

“What can you learn from this experiment.”

Little Johnny quickly raised his hand and said:

“As long as you drink, smoke and have sex, you won’t have worms.

A cattle rancher needs a bull to service his cows but needs to borrow the breeding fee from the bank. The banker lends him the money and comes by a week later to see how his investment is doing.

The farmer complains that the bull just eats grass and won’t even look at the cows. The banker tells the farmer that he knows a great veterinarian, and that he’ll send him out the next day to check out the bull.

The next week the banker returns to see if the vet helped. The farmer looks very pleased and tells the banker, “The bull has serviced all my cows, broke through the fence and has even serviced all my neighbor’s cows.”

“Wow,” says the banker. “What kind of pills?” he asks.

“I don’t know,” says the smiling farmer, “but they sort of taste like peppermint.”

A blonde decides to try horseback riding, even though she has had no lessons or prior experience. She mounts the horse unassisted and the horse immediately springs into motion.

It gallops along at a steady and rhythmic pace, but the blonde begins to slip from the saddle. In terror, she grabs for the horse’s mane, but cannot seem to get a firm grip. She tries to throw her arms around the horse’s neck, but she slides down the side of the horse anyway.

The horse gallops along, seemingly ignorant of its slipping rider. Finally, giving up her frail grip, the blonde attempts to leap away from the horse and throw herself to safety. Unfortunately, her foot becomes entangled in the stirrup, and she is now at the mercy of the horse’s pounding hooves as her head is struck against the ground over and over. As her head is battered against the ground, she is mere moments away from unconsciousness when to her great fortune, Bobby, the Wal-Mart greeter, sees her and unplugs the horse.



Volunteer Patch Available

To order this patch on baseball or golf style cap for \$10.73, contact Gary at: sales@skywarnsupply.com voice or fax 972-496-6036

or write to:

Caps Unlimited

PO Box 460118

Garland, TX 75046-0118

Tony, W7PCU, says that he has just bought two of the caps, one for winter and one for summer, and that club discounts are available on the ball caps .

The reason a dog has so many friends is that he wags his tail instead of his tongue.

-Anonymous

Don’t accept your dog’s admiration as conclusive evidence that you are wonderful.

-Ann Landers

If there are no dogs in Heaven, then when I die I want to go where they went.

NET CONTROL

David, K6UWV, has volunteered to assume the duties of net control to give Dale, N7XFD, a well deserved rest. Anyone else who wants to

Dear Readers,
When I volunteered for this job, I agreed to publish and edit the club newsletter.
I have neither the time nor the strength to write it. If club members do not submit stories or articles there will be none, and the newsletter will contain little more than the Secretary’s and Treasurer’s reports, and Lloyd’s ARES/Races that will fit in a four page newsletter.

Weekly Information Net

Wednesday Nights @ 7:00 pm 146.880 (100 PL)
 If you don't have PL, transmit on 144.880 simplex
 when the repeater drops out.
 All amateurs welcome

Monthly Meeting

3rd Thursday at Granite Middle School @ 7:00pm
 (N 34°34'22.6" W 112°29'45.1")

Next Meeting Thurs. May 20, 2004 @ 7 pm

Wednesday morning breakfast–Iron Horse Cafe
 S. Hwy 89 in Chino Valley
 (N 34°43'56.5" W 112°27'15.4")

Informal –All are invited

Thursday morning breakfast–Michael's Restaurant
 in the Safeway Shopping Center,
 Hwy 69 Prescott Valley
 (N 34°35'13.33" W 112°19'44.6")

Informal–All are invited

Location data provided by Fred Zimmermann N7PJN, per WSG84



AREA REPEATERS

Frequency	PL	Location	Notes
52.560-	100.0	Mt. Union (-500 Khz)	CARS N7NGM
53.040-	C/S	Prescott Airport (-1Mhz)	KC7WBE
145.350-	C/S	Wildflower Mtn.	DAWN
145.370-	C/S	Towers Mountain	MMRG
146.780-	91.5tt	Bill Williams Mtn.	BWARC
146.880-	100.0	Prescott	YARC
146.980-	162.2	Flagstaff-Elden	CARC
147.000-	162.2	Mingus Mountain	MMRG
147.040+	100.0	Prescott Heights	W2YAV
147.140+	162.2	Flagstaff-Elden	ARA Link to Ord
147.220+	162.2	Mingus Mountain	VVARA
147.260+	103.5	Mt. Union	YC Emerg.Svcs.
223.960-	127.3	Chino Valley	NW7AZ*
442.150+	100.0	Mingus Mountain	Northlink
442.350+	100.0	Glassford Hill	N7KPU
448.475-	100.0	Flagstaff-Eldon	ARA
448.500-	100.0	Prescott	KB7TWC
448.875-	100.0	Flagstaff-Eldon	Northlink
449.175-	100.0	Towers Mountain	Northlink
448.5250-	127.3	Payson	K2YAW
927.3875	?	'P' Mountain	WB7BYV
			*off the air until further notice.

YAVAPAI AMATEUR RADIO CLUB

**P.O. BOX 11994
 PRESCOTT, AZ 86304**

Visit us on the web at: <http://www.w7yrc.org>

Many thanks to Bob Smith, WB6ODR, our Webmaster

