

# YAVAPAI SIGNAL

The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 14 – No. 7 • August, 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 pro-viding 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 for the upkeep and use of the repeaters.



## REX PAYS VISIT TO W1AW AT ARRL HEADQUARTERS

It is well known among amateur radio operators that ARRL headquarters, W1AW, is located in Newington, Connecticut. To most ham operators, this is just the name of a city in a far away state somewhere on the east coast of the U.S. For those fortunate to visit ARRL headquarters, it is a delightful exhibit of radio equipment and memorabilia. During my visit there on August 3<sup>rd</sup>, there were not very many people around, except for someone in Studio Two, the station manager and a few people heading towards the main building for a tour. Since my trip to Newington was part of a larger tour of the New England area, and with the bulletin schedule that W1AW has, I was only able to operate for a little over an hour as a guest. The station I operated from was located in Studio One which had 6 meters and 10 meters. While operating from this station, I worked Carl De Le May, K4YI and Herb Atwood, AG4TO on 28.475 MHz. It was a thrill to hear their signals increase in strength as I moved the beam to a heading of about 200 degrees. I heard their signals increase, too as they moved their beams to my direction. For the most part, our signals were good to strong. I was even able to talk with Carl while he was still mobile, just as he was arriving home. As for 6 meters, there were no stations heard at all.

### YARC Officers for 2004

<i>President</i>	<i>Vice President</i>
Rex Mauldin-N7NGM <i>rxer@jolmail.com</i>	Dick Hughes-W6CCD <i>w6ccd@arrl.net</i>
<i>Secretary</i>	<i>Treasurer</i>
John Broughton-WB9VGJ <i>wb9vgj@arrl.net</i>	Al Crook-KD7MTJ <i>alcrook@access-4-free.com</i>

### YARC Board of Directors (includes Club Officers)

Bob Smith-WB6ODR  
Frank Horneff-WA7JBV  
Jack Ragen-W3IVQ  
David Passell-K6UWV  
Weekly Net Control—Rex Mauldin-N7NGM  
Newsletter Editor—Hal Tritel-N6OVE

(Continued on page 7, see W1AW)

### *Minutes of July 2004 Meeting*

Meeting called to order at 1903 by Rex, N7NGM. The Pledge of Allegiance was recited. There were no visitors, new members or licenses.

John, WB9VGJ, moved that the approval of the June meeting minutes be postponed until the August meeting, as the June newsletter hadn't yet been published. Doug, KV8TD, seconded the motion and the motion was carried.

Treasurer's report: Al, KD7MTJ, gave the treasurer's report. John, WB9VGJ, gave the secretary's report. Committee Reports: None. Old Business: Dick, W6CCD, advised he had the first order of club shirts.

**New Business:** Hal, N6OVE, advised he had not been able to finish the July newsletter due to having a heart attack. He advised he was recovering well and would get the newsletter published as soon as possible.

**For sale:** Doug, KV8TD, advised he had a vertical antenna for sale.

Bob, WB7RRQ, circulated a signup sheet for the Oct. Prescott Rally. He advised he will be out of town for about a month, but will be back in time for the rally. Rex, N7NGM, gave a report on the pre-Field Day operation at the Prescott library. He said the club should work on public relations and asked for members to volunteer to assist in the effort. Hal, W6OVE, offered that the club needs to write press releases for in order to get articles in the newspaper in response to Rex informing the club that the Daily Courier had promised a reporter and photographer to cover the event, but only the photographer showed up.

Rex announced that Steve Kafka, son of Bill Kafka, W2YAV, who owns the repeater the club uses, sent e-mail requesting that a club member provide transportation to club meetings for Bill as he'd like to attend.

Rex gave his impression of the hamfest held at Williams. He said it was a good hamfest, but dusty. He spent most of his time manning the Blind Center booth. Fred, N7PJM, attended the hamfest and said he thought it as a good one.

Tony, W7PCU, said he needed to find someone who could provide him with some VE information.

The business portion of the meeting was adjourned at 1926 for a break. The meeting reconvened at 1940. The drawing

was held and Tony, W7PCU, won \$10.

John, WB9VGJ, was unable to show pictures of the Wheaton Community Radio Amateurs Field Day due to equipment problems. Bob, WB7RRQ, talked about the Prescott Rally and showed some pictures taken at Indianapolis Speedway.

Dale, N7XFD, gave a talk about his experiences as the net control operator for the weekly club net from January 1994, until this summer. He was given a round of applause for his excellent work as net control. Rex led a discussion about the weekly club net where various ideas were tossed around regarding any changes in net protocol and ways to get more participation.

Tony, W7PCU, gave a short presentation on his working with Vince, WB7UWW, on communication in the Page, AZ, area for the Coast Guard Auxiliary. He talked about some of the challenges of establishing communications. He advised the primary frequency is 5696 kHz, USB, and the secondary frequency is 8489 kHz, USB.



The program ended at 2030.

*Respectfully,*

*John Broughton,*  
*WB9VGJ*

*Secretary*

### **Meeting Minutes YARC Board Meeting 07/15/2004**

A meeting of the YARC board was held at Granite Mountain Middle School 07/15/04. Present were: Rex, N7NGM; Dick, W6CCD; John, WB9VGJ; Frank, WA6JBV; Jack, W3IVQ; Al, KD7MTJ; David, K6UWV.

The meeting was called to order at 1815 by Rex, N7NGM. Rex told the board the pre-Field Day event at the Prescott Library went well. He said several members of the public stopped by to ask questions. He is considering having another event in October. He said Doreen Swayze of the Daily Courier promised to have a reporter and photographer at the event, but only the photographer showed up and took a few pictures. He said he would like to see the club get more publicity. The board discussed this issue. Rex felt one negative was that folks gravitated to the van. It was the consensus of the board that this was a good thing and

that the club ought to have an information table set up by the van whenever there is an event using the van. It is natural for folks to be curious about the van and that is a good place to answer questions and provide information about the club.

It was suggested it might be useful to have a public relations chair to handle PR for the club, as this is a job that requires some dedication and effort.

There was some discussion about YARC participating in Field Day with VVARA in the future. It was felt this would be more productive than YARC trying to hold a separate Field Day operation. John, WB9VGJ, brought up the issue of the bylaws updating. The planned approval of changes for Articles I – VII for the June and July board meetings had not been done. He made copies of the bylaws and proposed changes to all board members and requested that they be reviewed and suggestions made so changes to these articles could be solidified at the August board meeting, with changes for Articles VIII – X to be approved at the September board meeting.

The board felt the club should not charge dues for spouses and children of members. Currently, the bylaws call for reduced dues for family members. However, the club is not currently doing that. It was felt there was no financial need to make family members pay dues.

There was discussion about the importance of having some guidelines in the bylaws regarding guidelines for removing a member from the club as well as voting in new members. The board thinks this is important in case a person might want to join who was undesirable and that the club ought to have guidelines on removing a member should that need would ever arise.

There was some discussion on a club e-mail service. John, WB9VGJ, again asked the board to consider whether it might be desirable to use the QTH.net e-mail service. There was discussion on the differences between the Yahoo newsgroup and an e-mail list service.

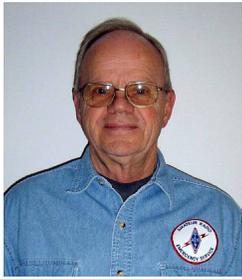
The meeting was adjourned at 1900.

*Respectfully,*

*John, WB9VGJ*

*Secretary*

## ARES/RACES



I was unable to attend the July YARC meeting, but I understand there was some concern expressed about the ARES/RACES CommVan taking

away from YARC activities. It seems this topic came up after the YARC event at the Prescott Library on June 19<sup>th</sup>. The CommVan is at these events to support the Club. Most of the literature we handed out at the location had the Yavapai Amateur Radio Club name on it. The only ARES/RACES handouts were to amateur operators who showed an interest in what we do.

It was through ARES that the Club once again started to become active in Public Service Communications in late 1996. The Club at one time had been active in Public Service Communications, but it had narrowed to doing the Prescott Road Rally once a year. As ARES Emergency Coordinator I began contacting some of the groups we now provide communications for to offer our services and once again get the Club involved in public service activities. All of the Public Service events are done in the Yavapai Amateur Radio Club name. It is the YARC logo that is on the Marathon t-shirts and the YARC name on the thank you plaque from the YMCA. The March of Dimes Walk America, the Walk for Diabetes and other events are all done in the Yavapai Amateur Radio Club name.

We bring the CommVan to these events because it is convenient to run Net Control out of and it also gives us an opportunity to 'exercise' the van and its associated radio equipment at regular intervals. Most of the members who volunteer at these events are also ARES/RACES members as well as YARC members. These events are also a good means of training for emergency communications and setting up operations in different environments. Yavapai County ARES/RACES works closely with both the Yavapai Amateur Radio Club and the Verde Valley Amateur Radio Association, but membership and training are separate from club membership.

### *Training*

The August 7<sup>th</sup> ARES/RACES training meeting was attended by 22 amateur operators. I want to take this time to thank all of the attendees for their participation.

Lee, KC7CBK, gave an excellent presentation on Packet Radio. The training topics covered both the hardware and software that ARES/RACES would be using as well as a brief history of Packet Radio itself.

Although Packet Radio use has been declining in recent years due to the introduction of other digital modes and possibly the Internet it is still a very viable means for emergency communications especially for lengthy written message traffic. It is faster and more efficient than voice and automatically gives a printout at the receiving station location. ARES/RACES is in the process of obtaining some used laptop computers so we will be able to put together a number of 'Portable Packet' kits that can be deployed in an emergency. As soon as this is done we will have another training meeting with 'hands on' Packet operating. If enough local interest can be generated to get operators involved we would like to establish a Packet Radio net. So get out those old TNCs and blow the dust off of them and become active once again. There are currently three local ARES/RACES packet nodes running on Mt. Union. They are: Union on 145.010 MHz, Davis on 145.030 MHz and Union2 on 145.710 MHz. The three nodes are 'hardwired' together so one can connect from one node to another. They also give access to two BBS stations with one in Prescott Valley (PVBBS) courtesy of WD6ETH and one in Humboldt (HUMBPO) courtesy of KC7PJO.

The next quarterly training meeting will be held Saturday, November 6<sup>th</sup> at the Public Safety Building in Cottonwood. At this time the topic is scheduled to be Hazardous Materials as pertains to ARES/RACES operations.

### *Training Exercise*

There will be an Arizona State Terrorism Exercise on Friday and Saturday, November 12<sup>th</sup> and 13<sup>th</sup>.

Counties in Arizona and California as well as Mexico will be involved in this two day event. On Friday the 12<sup>th</sup> Yavapai County Community Health Services (YCCHS) will be having a Bio-terrorism exercise in conjunction with the State event. There could be extensive use of ARES/RACES personnel during this exercise with communications within the County as well as to the State EOC and other County EOCs. I will have more information on this as the time draws closer.

### *Public Service Communications*

As of this writing, I have been unable to contact the March of Dimes organizers on a date for the March of Dimes Walk America. It has been held in September the last couple of years and I assume it will be again, but it is unknown for sure at this time. As soon as we get a date we will start calling for operators.

The Prescott Road Rally will be Friday and Saturday, October 1<sup>st</sup> and 2<sup>nd</sup> this year. The word I have from Bob Rosevear is that the course will be much the same as last year so for those who want the same positions they can get their name on them. Contact Lee, KC7CBK, or Frank, WA6JBV, to get your name on the list. This is probably the largest single event that we provide communications for and thus takes the most operators.

The Americas Walk for Diabetes will be held on Saturday, October 16<sup>th</sup> this year and will once again be on the Yavapai Indian Reservation. We will begin taking commitments for this around the middle of September.

*Lloyd, WA6ZZJ*

## Dynamic Teen YL Inspires Other Young People in Ham Radio

August 5, 2004 -- When Rick Saeger had some ham radio guest from Japan stay at his home, little did he know the profound effect that it would have on his five year old daughter. As a young child watching her dad operate in contests and chat with people from all over the world, Sara eventually felt that she would get her license and start meeting kids her own age from around the world.

So, at age 8 Sara earned the call KB3CLQ. Now, at the age of 15, she is an Extra class operator and holds the call K3000, a salute to her father and mentor, K300. Sara credits many members of the Delaware-Lehigh ARC (DLARC), of which she is a member, with having helped her and influence her. "I'd have to say that the biggest influence, other than my dad, was Norm Zoltack, K3NZ." Affectionately referring to him as "Uncle Normie", Sara says "He always gives me a hard time about my Morse code skills, but boy does he encourage me." Before she got her ticket, dad acted as control operator and she would talk to Norm on 2 meters.

Sara also says that Tony Kazmakites, N2TK has been a big influence on her. Although Rick and Tony's friendship began through ham radio, both families have developed a strong relationship over the years and often socialize together.

Rick should not be surprised at his daughter's achievement because he got his first license at the age of 12 and has been contesting and DXing and setting records ever since.

With plans to major in Elementary Education in college Sara says that Amateur Radio has helped her in school. "It helps having met so many people through clubs and on the air because a lot of them can help me out with homework and tutor me on the air or through e-mail." Eventually she hopes to complete her master's degree in education.

In addition to DLARC, Sara is also a member of the Frankford Radio Club and has her DXCC and WAS awards. Sara says "Field Day has to be one of my absolute favorite ham radio events." When

not operating Field Day with DLARC she loves to contest and often operates multi operator style either with her dad or her friend Trevor Conroy, W7TDC. Sara has made friends all over the world through ham radio.

Sara, K3000, operating CQWW contest.

Sara thinks that many more young people can be attracted to Amateur Radio if it is "perceived as "cool"" rather than a musty old hobby. She likes to point out that ham radio is a mixture of social activity and technology. Young people like the challenge that is offered by Amateur Radio and are proud of their achievements. Sara can be seen with her friend Trevor pitching ham radio to youngsters in a video from ICOM that was shot on location at the Dayton Hamvention.

Sara made her first trip to Dayton in 2003 and in 2004 the people at ICOM capitalized on her effervescent personality by making the video and having her talk to people that visited the ICOM booth. She describes herself as "a very social person" and says that Amateur Radio was a natural outlet for her. ICOM also turned Sara into a cartoon character in the second volume of their comic book series "The Adventures of Zack & Max". The comic books are aimed at introducing Amateur Radio to kids.

Sara's sunny personality and her zest for life will surely take her many places. Her fresh outlook on ham radio has allowed this spirited youngster to make many new friends and relationships that will last a lifetime and has also made her a great ambassador for the hobby.

# YARC TREASURER'S REPORT July 2004

## INCOME

7-7	W6HDP	Bill Jackson	(3-05)	Ck.	0616624861	\$20.
7-12	KB7SAU	Joe Gasaway	(7-05)	Ck.	1145	20.
7-15		T-shirt				19.
7-15		T-shirts				80.
7-15		50/50 Drawing				21.
					Total Income	\$160.

## EXPENSES

7-15	Dick Hughes	T-shirts	Ck. 768		\$68.85
7-15	John Broughton	Stamps	Ck. 769		37.
7-15	David Passell	Meeting Refreshments	Ck. 770		6.09
7-15	50/50 Drawing	Tony Masvidal			10.
				Total Expenses	\$121.94
				Cash Flow	+ \$38.06

## FISCAL STATUS

Previous Report      \$1676.38  
Checkbook Balance    1714.44



*Al Crook, kd7mtj  
Treasurer*

### FOR SALE

Dual band yagi for 15m/10m (I think),  
including a Wilson 500 rotor base  
and controller. The dual band yagi boom is  
18' approx. one set of traps on each element.  
The box with rotor also has the control  
cable in it.  
also discovered that an A99 is in the stack  
of antenna parts. All to who ever wants it  
at \$180 or best offer..

928-445-1189  
areeves@cableone.net

**Senior Citizens**

Two elderly gentlemen from a retirement centre were sitting on a bench under a tree when one turns to the other and says,  
“Sam, I’m 83 years old now and I’m just full of aches and pains. I know you’re about my age. How do you feel?”  
Sam says, “Well, I feel just like a new-born baby.”  
“Really!? Like a baby!?”  
“Yep. No hair, no teeth, and I think I just wet myself.”

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**Little old man**

A little old man shuffled.....slowly into an ice cream parlour.... pulled himself slowly, painfully ... up onto a stool. After catching his breath he ordered a banana split.  
The waitress asked kindly, “Crushed nuts?”  
“No,” he replied, “arthritis.”

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**I lost my wife**

The man approached the very beautiful woman in the large supermarket and said, “I’ve lost my ! wife here in the supermarket. Can you talk to me for a couple of minutes?”  
The woman looked puzzled. “Why talk to me?” she asked.  
Because every time I talk to a woman with breasts like yours, my wife appears out of nowhere”

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**Social Security Sex**

Two men were talking. “So, how’s your sex life?”  
“Oh, nothing special. I’m having Social Security sex.”  
“Social Security sex?”  
“Yeah, you know: I get a little each month, but not enough to live on!”

**GOLFING**

On a golf tour in Ireland, Tiger Woods drives his BMW into a gasoline station in a remote part of the Irish countryside.

The pump attendant, who obviously knows nothing about golf and is completely unaware of Tiger’s identity, greets him in a typical Irish manner.

“Top of the mornin’ to ya, sir,” says the attendant. Tiger, who is familiar with Irish custom, responds with, “And the rest of the day to you, sir!”

Tiger gives a quick nod and bends forward to pick up the nozzle of the gasoline hose. As he does so, two golf tees fall out of his shirt pocket onto the ground.

“What are those?” asks the attendant. “They’re called tees,” replies Tiger.

“And what on the good earth are they fer?” inquires the Irishman.

“They’re for resting my balls on when I’m driving,” says Tiger.

“Feckin Jaysus,” says the Irishman,

“BMW tink of every’ing

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*(W1AW)*

Some other visitor was using Studio Two, which has the satellite station while Studio Three was available for HF operation. I was given a tour of the facility and was shown the switching area where radios and antennas are connected via a large grouping of panels along with amps which are connected as needed like a huge telephone switch board. Upon entering the station, a visitor can see old equipment that was in use at some time in the history of W1AW.



I had asked about the surrounding geology of the area and found that the station location of W1AW is actually an interesting story in itself and relates to the operating conditions people have discovered from the Newington area. Connecticut has an interesting geologic story all its own. Too lengthy to go into in this article, I will share a few interesting highlights. Earthquake activity in Connecticut has been around for a very long time. From 1568 to 1989, 1,214 earthquakes have been recorded in Connecticut. On a historical note, Indians in 1558 have felt strong earthquake activity in Connecticut in general, while 1638 an earthquake activity frightened the Pilgrims and in 1727, a large earthquake was felt from Maine to Delaware with the epicenter located in Connecticut. To this day, the community of Moodus, several miles southeast of Hartford, is the only active region in Connecticut, where small earthquakes can be felt and heard. The Indians of the area have a few names which they use to describe the land

of noises as they put it. Machimoodus, Matchitmoddus or Matchemadoset are names the Indians have given this central-southern portion of Connecticut for the noises heard in the area during earthquake activity. This is most likely due to a slight shifting of limestone and granite deep within in the ground.

As it turns out, the central portion of Connecticut is in a slight depression, the result of ground settlement from decomposing limestone and granite that is slowly falling, just the opposite of northern Arizona where the land is slowly rising as can be seen at the Grand Canyon where the river level stays the same, but with the ground rising slowly cutting away at material as it moves and leaves us with the Grand Canyon we see today. As the material in Connecticut moves downward, it scrapes along and makes noises as well as slight shaking. It is also because of this depression that stations operating from the Newington area have a harder time being heard than say Hartford which is located on a slight hilly area. As I drove from Newington on my way to my next stop, I found myself going further downhill in a gently sloping manner, such as a stair step until I was nearly at the New York border when I gradually drove up several hills. Anyone considering traveling to visit



W1AW, will now have another interesting place to visit, to both feel and hear small earthquakes. Another place to visit, a little over an hours drive to the west is Poughkeepsie New York. This is the location of a home which Samuel F. B. Morse once owned. I will leave this story for another time, but will say that it was well worth the brief stop, is a beautiful area and easy to find.

In the meanwhile, I have provided a few photographs from my trip showing the outside of W1AW, one of its three tall towers, the switchboard and me at the station I was operating from.

*Rex Mauldin, N7NGM*



**Weekly Information Net**

Wednesday Nights @ 7:00 pm 146.880 (100 PL)  
*If you don't have PL, transmit on 146.880 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. Sept.16, 2004 @ 7pm**

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-Elden	ARA
448.500-	100.0	Prescott	KB7TWC
448.875-	100.0	Flagstaff-Elden	Northlink
449.175-	100.0	Towers Mountain	Northlink
448.5250-	127.3	Payson	K2YAW
927.3875	?	'P' Mountain	WB7BYV
			<i>*off the air until further notice.</i>

**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*

