

# THE YAVAPAI SIGNAL

**THE YAVAPAI AMATEUR RADIO CLUB**  
**PRESCOTT, ARIZONA** **DM-34**  
**VOL 12 - No. 5** **MAY, 2002**

## 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 including providing communications for local events, emergency communications, volunteer exams, 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.



### FROM YOUR PRESIDENT

A local ham sent the following-perhaps another theory on where the term "ham" came from? You be the judge.

#### Ham Radio in the Beginning

At Harvard University in 1908, their first amateur radio station was operated by Albert Hyman, Poogie Murray, and Bob Almy. Their radio station was called Hyman\Almy\Murray. CW in this long call sign soon become irksome and they changed it to ILY\AL\MU. Unfortunately, there was a Mexican ship that bore the name ILYALMU. This was before the days of the FCC and regulations and they decided to use their initials which were formed into "HAM." Radio Signals from some of the amateurs often exceeded the commercial stations in strength and this came to the attention of Congress by the Commercial Stations who insisted on legislation to diminish the amateur radio activity. Albert Hyman based his thesis topic at Harvard on the subject of wireless communication. His instructor was so impressed that he sent a copy of Hyman's thesis to Senator David I. Walsh who was working on the bill for Commercial Stations. Senator Walsh was also so impressed with the thesis that he invited Hyman to testify in Washington. Hyman, with his testimony to the commissioners, was able to explain to them how the regulations and resulting costs could make the amateurs unable to continue. By the time the bill reached the floor for debate, Hyman, Murray & Almy's Harvard station "HAM" had become the symbol of all the small amateur stations begging to be saved from the greed of the commercial stations. Thus, in 1911 the "HAMS" were freed from the cost of using the air to operate their stations. The Congressional Record lists it all!

Here's what's in store for the next few months for the club:

**June 20-** Joint meeting with VVARA. IRLP Discussion. Last minute preparations for Field Day, June 22-23, 2002. (The 4<sup>th</sup> full weekend in June) →

### 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.

### YARC OFFICERS for 2002

President John Wilson-KM6BF <a href="mailto:km6bf@cableone.net">km6bf@cableone.net</a>	Vice President Frank Homeff-WA6JBV
Secretary Bob Tilman-K7CJW <a href="mailto:k7cjw@webtv.net">k7cjw@webtv.net</a>	Treasurer David Passell-K6UJW <a href="mailto:davidrex@northlink.com">davidrex@northlink.com</a>

### YARC BOARD OF DIRECTORS Includes Club Officers

#### Immediate Past President

Dale Leslie-N7XFD [daljerles@webtv.net](mailto:daljerles@webtv.net)  
Lloyd Halgunseth-WA6ZZJ [wa6zzj@cableone.net](mailto:wa6zzj@cableone.net)  
Dick Hughes-W6CCD [rhughes@cableone.net](mailto:rhughes@cableone.net)  
Bob Smith-WB6ODR [lrsmith@cableone.net](mailto:lrsmith@cableone.net)

**WEEKLY NET CONTROL - Dale Leslie-N7XFD**  
**NEWSLETTER EDITOR - John Wilson-KM6BF**

**July 25** - The ARRL's AZ Section Manager Cliff Huser-KD6XH and ARRL "RFI Guru" Ed Hare-W1RFI will attend and enlighten us on happenings, not only with the ARRL and AZ, but interference as well. (NOTE: This meeting has been re-scheduled to the 4<sup>th</sup> Thursday since Cliff and Ed will be at the Ft. Tuthill Hamfest that weekend)

**August 15** - Project Night. We will "attempt" to build something and hope it works. Any suggestions?

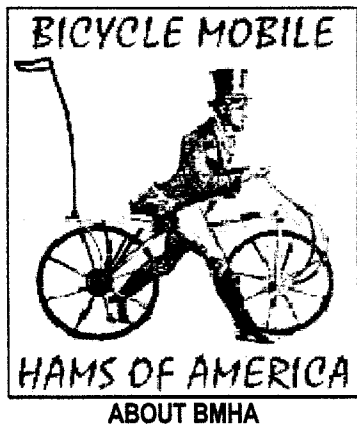
Several suggestions were given for future programs and we will do our best to accommodate them. If you would like to give a program at one of our meetings, please let us know and we will schedule you as time permits. Remember to keep sending me your QSL cards and a short story about them for future newsletters. If you can't can and e-mail, then send me the card and I will do it for you.

Remember, there's always room in the newsletter for your stories and contributions as well. Keep 'em comin! 73!

**John Wilson-KM6BF**  
YARC President

**YARC HIGHLIGHT**

**Bicycle Mobile Hams  
of America**



For the information of our first-time readers. Bicycle Mobile Hams of America got its start when a 'Stray' in the June '89 QST magazine asked to "get in touch with hams who operate their radios while bicycle-mobile", signed by Hartley Alley, NAOA. Twenty-five hams responded, filled out questionnaires, and received a summary of the collected data.

In April of '90 we had our first BMHA Forum at the Dayton HamVention. We played to a packed house, overflowed the room, and added 54 names to our mailing list. Our eight subsequent forums have drawn increasingly larger audiences, and now BMHA is firmly established as a 'regular' at this world-renowned event.

This is the second year of our website at its current address, which has become the clearinghouse for the exchange of info and ideas for the hams who go on the air from their bicycles.

BMHA membership puts you in touch with a friendly and helpful group of bike-riding hams. You'll make contacts through our membership directory and E-mail address list, the annual meeting and Forum at the Dayton HamVention and other regional meetings, and of course through the BMHA Newsletter, which has articles on bike trips, antennas, other gear, operating tips, etc. A membership application is available at: <http://www.lafetra.com/bmha/>



**UPCOMING EVENTS OF INTEREST**

- ▶ May 25-26, 2002-CQ WPX CW Contest
- ▶ May 27 1200Z to 2000Z Belleville, MI: Yankee Air Force Museum, W8YAF. Observing Memorial Day at the Yankee Air Museum at Willow Run Airport. 7.270. Certificate. Frank A. Nagy, N8BIB, 24315 Waltz Rd, New Boston, MI 48164-1965.
- ▶ June 8-10, 2002-ARRL VHF QSO Party
- ▶ June 15, 2002-ARRL "Kid's Day"
- ▶ May 27 1400Z to 2200Z SPECIAL EVENT STATION-Baton Rouge, LA: USS Kidd ARC/Baton Rouge ARC, W5KID. Honoring Memorial Day. SSB: 10, 15, 17, 20 m General band. QSL. W5KID, 305 River Rd, Baton Rouge, LA 70803.
- ▶ June 20, 2002-Next YARC Meeting/Joint meeting with VVARA/IRLP Information
- ▶ → → → June 22-23 FIELD DAY ← ← ←



Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations. DX stations may be contacted for credit, but are not eligible to compete.

Object: To work as many stations as possible on any and all amateur bands (excluding the 30, 17 and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

▶ July 26, 27, 28, 2002-Ft. Tuthill Hamfest, Flagstaff  
(see flyer on back page)

More detailed information on Contests and Special Events can be found in most amateur publications such as QST, Worldradio, and others.



## APRIL MEETING

Yavapai Amateur Radio Club meeting April 18, 2002  
Meeting came to order at 1901. Visitor, Tony Brown, from northern Calif. was introduced. Minutes read a correction made and approved.

Treasurer report: \$1679.68 on hand.

### Old business:

Bob K7KOL report May 18th we have the north lawn at the library to set up a ham radio station. 10am to 2pm everyone is invited to participate.

Emergency services: A practice evacuation will be held May 3rd. about 20 hams will be needed.

Whiskey row Marathon: May 4th. WE always need more help.  
Lyle: advised the QCWA will hold the luncheon April 27th. All are welcome to attend. \$12.00 for dinner.

### New Business:

Osker Green (AB7YR) has equipment for sale. He will be moving. We all learned that Chino Valley was the first capitol of Arizona. The rainbow girls are collecting old telephones to rebuild and give to battered women.

### Committee reports:

Get newsletter news to John a week before the meeting.  
June meeting will be a joint meeting with the V.V.R.A. club. Joe Ruby will talk about the I.R.L.P. communications.  
Break at 1937. Back at 1950.  
50/50 won by Fred. \$16.00.  
Program by Dale Leslie. On the Edmonton, Alberta Canada Mall.  
Adjourned at 2037



Respectfully submitted,

Robert Tilman-K7CJW  
YARC Secretary

**SPEAKERS WANTED!** Want to make a presentation to the club? Got a favorite subject or experience you would like to share? If you do, we'd like to hear from you! Programs of interest are always needed for club meetings. Share your knowledge or experience with the rest of the club at our meetings. Contact Lee Cunningham, KC7CBK for more information.



## THE NEWSLETTER!

If you have anything to share, please feel free to submit it for inclusion in the newsletter. We welcome your suggestions, comments, stories, personal experiences, or other items related to the hobby. Send e-mail to: [km6bf@cablone.net](mailto:km6bf@cablone.net)



### FROM THE MAILBOX

No mail this month ☹



**WE WANT YOU!** Membership in the Yavapai Amateur Radio Club is \$20.00 for 1 year. Newsletters will be mailed only to those members not attending a meeting and current on dues. Those in arrears 3 months will be dropped from the membership list. Dues can be mailed to the club PO Box or given to the club treasurer at any meeting.



### FROM THE WAY PAST-PRESIDENT K7KOL (Bob Kane)

Noah's Arc Found In Prescott lake!

EYE-17, the eye-sore interstate, is one of the trashiest roads I've seen, especially the section from the new community of Anthem to North Phoenix. Trashy countryside is a plague all over the world, and to spotlight the disease in our country, the weekend of April 20 is set-aside in celebration of Earth Day, a nation-wide clean up effort. Groups as diverse as tree-huggers and Hell's Angels turn out all over the country to clean up and pick up some of the crud littering our landscape.

I'm a member of the Prescott Paddler Club, a group of canoeists and kayakers who paddle on the local lakes, even with low water levels. Our focus is Goldwater and Watson Lake's trash, policing the area as we cruise the waterways on Saturday mornings. Large garbage bags are carried in our boats, and we manage to fill them with the artifacts of our age – the real interesting stuff like tennis shoes, designer underwear, beer bottles, old tires, thousands of Styrofoam cups and miles of fishing line. I even found a coil-cord from a microphone a few weeks ago while splashing around Watson Lake.

On Saturday, April 20, I joined my fellow paddlers at Watson Lake for the annual clean up festival, rendezvousing with two kayakers at the dam, about ½ mile from the boat ramp. It was an easy paddle out, and with the wind at my back, I must have been doing about 5 knots with little effort. The wind kicked up a lake swell from astern, causing the boat to crab; weather cocking to keep the wind abeam. Kayaks tend to pivot about the center-seated paddler, and with any wind at all, will scoot along sideways at the wind's whim, like a piece of flotsam unless the paddler corrects the crab angle! Arriving on station, I started scouring the shore line to the south of the dam for debris, and in no time had an old tire straddling the fore-deck, some plastic bags, a length of 2X4 wood and a collection of beer cans stowed in the garbage sack that was nestled between my legs in the kayak's cockpit. Not a bad haul for the first half hour out.

I kept looking for that cove where I had picked up the coil cord, but it was hard to find as the lake's appearance had changed →

drastically with the lowered water level. Rocks I never knew before suddenly became "road hazards" to steer around, and I touched hard rock in places where I could never touch bottom before. Old tire carcasses were visible, stuck in the muck uncovered by low water. It was eerie, looking at all this junk that had been hidden for years.

I paddled around a huge monolithic spire that looked like ancient Egypt's Obelisk into a cove, and caught the glint of metal from a slender rod sticking up like a reed from the low water near shore. As I approached the reed, my boat scraped the craggy surface of a submerged rock. Complaining of the injury with an ominous, drawn out moan, the boat tipped to one side, away from the offending rock. With a few quick corrective paddles I was free, and turned my attention to "below deck", looking for any signs of in-coming water. The lake was cold and choppy; not a good time to go swimming!

All secure below decks, so I slid alongside the shiny stick and pulled on it. It was an aluminum rod, about 1/2 inch in diameter and crimped on the end. It looked just like an element from a beam antenna! What the heck would a beam antenna be doing, buried in the archaic muck Watson Lake?

I pulled on it some more, and sure enough, the single element was attached to a supporting boom that came into view, dripping with mud and bottom plant life. But – it had all the other directors and reflectors attached. What a find!

I kept yanking on this treasure; rocking the kayak so much that water shipped over the coaming, drenching my legs. The sudden, cold-water bath put some sense in my head, and I eased up on the yank and just tugged a bit.

I tugged some more, and as I did, sections of a telescoping tower came into view, with a rusty rotator at the top, and the co-ax and control cable slithering down the slippery side of the spire. When I had the base of the tower exposed, I kept pulling up more co-ax until I came to an old, rusted out box with meters on one side. The glass faces were all broken out and the needle pointers long gone, but there was some hand printing on the meter face. One meter face said, "SWR", the other said "PWR". Could it be that I was looking at some primitive ham's home brew antenna tuner from long ago? We know that this part of Arizona was home to many ancient cultures. The excitement was boiling in my mind as I continued pulling on the co-ax.

Twenty-five feet of co-ax later, I came to a long, slender aluminum box, 6 inches wide, by eight high, and about 18 inches long, with a large, round dial on the front.

It had a push-in type connector on the face, crimping the center conductor of the waterlogged co-ax. A solid, copper wire came off a wing-nut connector on the back of the ancient radio and led to a larger aluminum and steel box, where it attached to the chassis. This box was about 12 inches high, 20 inches wide and 24 inches in depth, and weighed a ton, even when I up-ended it to drain the water.

It too had some dials on the front, though they were kind of small, and were marked in what appeared to be "KC" or something like that. Couldn't quite make out all the lettering as time had erased much of it. The front of this radio had some knobs, and a rotary switch handle; one position marked "AFC". I couldn't read the other inscriptions. The other knobs were all rusted in place, and refused to move.

I turned this "boat anchor" over, and on the back was the inscription: "Property of United States Army Air Corps". "Radio Receiver Model BC-348". The year "1944" was clearly visible. Taking this as a clue, I turned the smaller box over, and found this inscribed:

"Property of United States Army Air Corps". "Radio Transmitter Model AN/ARC-5". Its year of birth was 1942.

Rubbing the lake scum away with my thumb, I found the archeological find of the modern era. For, just below the ARC-5 identification placard, the ancient owner's name was scratched into the rusty surface:

**This is Noah's ARC**

Noah O'Leery  
WAZZUP

I'm writing the local paper to tell them a local ham/boater has found the authentic "Noah's ARC"! The world's archeologists can stop digging up the real estate in Turkey, the ARC is right here in Prescott's Watson Lake.

73's Bob Kane, K7KOL On the road, somewhere!

Somewhat along the lines of one's experience, this may sound familiar to many:

### Murphy's laws and corollaries

*Murphy's Law Was Invented Here!*

*Jump to Murphy's Military Laws - Murphy's Technology Laws - Murphy's Love Laws - Murphy's Laws of sex - An Abridged Collection of Interdisciplinary Laws*

#### MURPHY'S LAWS

1. Nothing is as easy as it looks.
2. Everything takes longer than you think.
3. Anything that can go wrong will go wrong.
4. If there is a possibility of several things going wrong, the one that will cause the most damage will be the one to go wrong. Corollary: If there is a worse time for something to go wrong, it will happen then.
5. If anything simply cannot go wrong, it will anyway.
6. If you perceive that there are four possible ways in which a procedure can go wrong, and circumvent these, then a fifth way, unprepared for, will promptly develop.
7. Left to themselves, things tend to go from bad to worse.
8. If everything seems to be going well, you have obviously overlooked something.
9. Nature always sides with the hidden flaw.
10. Mother nature is a bitch.
11. It is impossible to make anything foolproof because fools are so ingenious.
12. Whenever you set out to do something, something else must be done first.
13. Every solution breeds new problems.



FROM THE "I can't believe I heard it on amateur radio" files:

"My radio is right on frequency. It's everyone else that's off frequency!"

"I can't see using 6 meters when I have 2 meters at my disposal!"

"I'll have my own Field Day cleaning out the garage!"

"I need an antenna that covers all the bands in one element!"

"You were much better on the other repeater, but let's stay here until I can't hear you any more!"

"If I had one of those electric cars, I would have unlimited power!"



"I decided against buying another radio. I can only talk on one at a time!"

"Just what would happen if everyone had 'broadcast quality' audio?"

Ham #1 "Must be something wrong with my radio. It keeps turning off by itself!"

Ham #2 "Did you check the APO Function?" (Doh!)

### ARRL MEMBERSHIP APPLICATIONS

The ARRL no longer allows clubs a portion on renewals. However, a new program effective October 1, 2001 allows clubs to keep a larger portion of **NEW** ARRL applications. If you are not a member of the ARRL, join now through the club. Submit your application to me or at any meeting. Remember to include the envelope too. It will save us a few cents on postage. Thanks. David Passell-K6UWV-Treasurer.



### OTHER NEWS OF INTEREST

From Pen Brown, KJ7KL - Senior Communications Correspondent and News Analyst

#### New QSO categories

As a public service, Worldradio, in keeping with the current trend to make a QSO as short as possible, rather than an informative conversation suggests the following categories to describe one's setup:

Category I-Transmitter is so new it's not on the market — yet. Antenna(s) are on 1,000 ft. rotating tower(s). Each antenna, in the stack of 15, has at least 30 elements, 50dB gain and I'm using a surplus broadcast amplifier to put out the maximum amount of power available. I'm currently negotiating with the local power company to bring more power to the shack. I'm running so much power, I have been accused, (but they can't prove a thing) of starting forest fires 50 miles away!

Category II-Station here consists of surplus military equipment I got at an auction. They were selling this base, and I got it for \$1. Lots of telephone poles and towers around me to use for antennas. I really don't have any idea how much power I'm using — I'll have to call the transmitter site that's 30 miles away and ask the technician on duty. I think it's something like 500,000 watts.

Category III-Transmitter is the latest and newest on the market. Antennas are a mere 500 feet up and consist of stacked monobanders, each with at least 40dB of gain. I am using a broadcast amplifier to put out at least the legal limit — if not more.

Category IV-My transmitter was new six months ago and I'm using a Force-12 C-3 at 200 feet. I'm also using an Alpha amplifier putting out at least 1,000 watts.

Category V-I'm using a transmitter that's at least 5 years old, and the antenna is a small beam up less than 100 feet. Power is about 100 watts.

Category V-My transceiver is a classic, and it's putting out 50 watts — on a good day. Most of the time I'm lucky if I can squeeze out 25 watts.

Category VI-I'm using a transceiver I bought at a yard sale for \$20. The antenna is a dipole lying on top of the roof. Can you still hear me?

Category VII-QRP, I say again, QRP! Did you copy? Of course, mobiles need their own categories:

Mobile I-I'm using a transceiver so big it takes up the entire back/passenger seat. Running so much power I can strip the paint off the car next to me at an intersection. Power is supplied by 15 gel-cell batteries in the trunk. Suspension has been beefed up to handle the weight of the batteries. Antenna is so big I can't go under an overpass or bridge — operation is limited to the middle of a pasture or a really big athletic field

Mobile II-My transceiver is the latest one designed for portable/mobile use. It's mounted in the trunk, and the head is duct-taped to the dash. I can't use the amplifier at night — the headlights dim so much on transmit that I can't see the road.

Mobile III-I'm using a modest mobile rig and a screwdriver antenna putting out 100 watts.

Mobile IV-My transceiver is one I found at the local landfill and rebuilt. It's putting out 20 watts, and I'm using a cheap monoband stick antenna.

Mobile V-QRP, I say again QRP... did you copy that?

We suggest using these categories in lieu of a long drawn-out description to generally suggest the type of setup you're using. It will save precious time when making those rapid-fire QSOs

### PROCEEDING TO ALLOCATE NEW FREQUENCY BANDS TO THE AMATEUR RADIO SERVICE

Washington, D.C. - The Federal Communications Commission (Commission) adopted a *Notice of Proposed Rulemaking (Notice)* proposing to allocate the 135.7-137.8 kHz and 5250-5400 kHz bands to the amateur radio service on a secondary basis. The Commission also proposed to upgrade the existing secondary amateur radio service allocation in the 2400-2402 MHz band to primary status and to add a primary allocation for the amateur-satellite service in this band. The amateur radio service, provides spectrum for amateur radio service licensees to participate in a voluntary noncommercial communication service which provides emergency communications and allows experimentation with various radio techniques and technologies to further the understanding of radio use and the development of new technologies This action proposes changes that would enhance the ability of amateur radio operators to conduct technical experiments, including propagation and antenna design experiments, in the "low →

frequency" (LF) range of the radio spectrum. In addition, the *Notice* proposes to authorize the use of the 5250 kHz band so that amateur licensees' can better match their choice of frequency to existing propagation conditions. The *Notice*, by proposing to upgrade the amateur radio service allocation and add a primary amateur-satellite service allocation in the 2400-2402 MHz band, seeks to protect current amateur use of this band. Action by the Commission May 2, 2002, by Notice of Proposed Rule Making (FCC 02-136). May 9, 2002

With our current weather conditions and lack of moisture this is a real concern for our area. So far we have been lucky, but keep your batteries charged, your 'go-kits' packed and your vehicles fueled.

WHISKEY ROW MARATHON MAY 4, 2002

The alarm goes off at 03:30. Out of bed and turn the radio on to check with Fred, N7PJM, our 03:00 starter, who is following the YMCA set up vans, to see how things are going. Voices?? Lee, KC7CBK, is already on the radio with Fred and it sounds like all is going OK so off to shave and get the coffee ready to go. 04:00 a quick check with Fred tells me all is going well albeit a little slow, but somehow things always get done in time. 04:30 the CommVan is loaded and we are headed for the Courthouse Plaza where we meet with Lee to set up Net Control.

05:00 Net Control is officially on the air and operators are already checking in to say they are on the way. Tony, W7PCU, arrives to set up at Race Headquarters and Fred, KB2CT, is there to begin his 'shadow' duties. By 05:12 the first traffic from the YMCA goes out to Fred, PJM. They are trying to locate a banner. The early starting runners are on the Race Course. More stations are checking in from their assigned locations. N7XFD, KC5DKN, KB6AH, K6UWV, W6CCD, KB2FWT, WA6JBV, KD7AOI AND K7CJW. Bob, WB7RRQ, arrives to await the arrival of the YMCA Van back at the Courthouse Plaza so he can install his radio and begin his tour with "Oh my gosh!! not that driver again" to keep us in touch with the Van as they travel the route. Lee calls in to say he had traveled between Water 4 and Water 6 and had seen no Water 5. Another last minute change we hadn't been told about, but we decide Water 5 was eliminated. A quick call to Frank, JBV, who was scheduled for Water 5 and reroute him to Water 8 with Bob, CJW.

06:00 and the Full Marathon leaves the finish line. By 06:08 the first runners are through Water 1 and by 06:18 Water 2. By this time things have settled down and running pretty smoothly with normal communications taking place. YMCA Volunteers wanting to know how to mix the 'Powerade' (read the instructions), we don't have any fruit (again, read the instructions), where are the 'porta potties'?? (behind the bigger trees when no one is looking)... At 06:23 we get a call to locate a runner on the route. A male in his 50's wearing pink top over pink shorts and a white cap. Hey! this should be easy with those colors, but they didn't tell us he was wearing a blue jacket that covered his number and all but about 6 inches of his shorts. He finally turns up at the finish line in good shape. A worried companion is relieved and the Police are notified he is OK.

07:00 and the ½ Marathon leaves the starting line. 07:27 and the first Full Marathon runner is through the turn around at Water 8. At 07:30 the 10K Run starts followed by the 10K Judged Race Walk and the 2 Mile Fun Run/Walk (actually 2.1 miles after the last the route change). Communications are normal with traffic for the YMCA Van and keeping track of runners.

Around 08:45 we are starting to keep track of the 'stragglers' and checking to see how far they plan to continue. A call to the 'Van' to pick up 'Powerade' from the Courthouse and take out to a Water stop that is running low. We are keeping track of the 1<sup>st</sup> Full Marathon runner as he returns on his way to the finish. 08:55 and the last →

**USING THE QSL BUREAU**

Here are a couple of addresses and contacts:

Sixth Call Area-All sixth-area call signs:

ARRL Sixth (6th) District DX QSL Bureau  
P.O. Box 530  
Weed, CA, 96094-0530

Comments or questions on this bureau's operation may be directed to [k6bis@inreach.com](mailto:k6bis@inreach.com)

See the W6 Bureau home page (<http://www.kqiz.com/qslbureau6.html>)

Seventh Call Area-All seventh-area call signs:

Willamette Valley DX Club Inc  
PO Box 555  
Portland, OR 97207

Comments or questions on this bureau's operation may be directed to [7thqsl@compuserve.com](mailto:7thqsl@compuserve.com).

See the W7 Bureau home page: <http://www.qsl.net/wvdx>



**ARES/RACES NEWS**



ARES/RACES

A fire evacuation exercise was held Friday, May 3, 2002 in conjunction with the Yavapai County Jeep Posse, American Red Cross, Prescott Unified School District and the VA Medical Center. The scenario was a series of simultaneous fire starts South and West of Prescott. A decision to evacuate three of the Camps located in the Forest was made and the Jeep Posse was dispatched to guide PUSD busses in and out of the area to pick up kids from the Camps. In all about 75 kids and counselors were picked up along with more being simulated and brought to the staging area at Pioneer Park in Northeast Prescott. There they were registered and fed by the Red Cross before being returned to the Camps. Eight ARES/RACES members were dispatched to four different locations (Yavapai County EOC, Pioneer Park, PUSD Bus barn and the VA Medical Center). Amateurs taking part were KC7CBK, AB7NK, W7PCU, WA6JBV, KB2CT, N7XFD, KJ7SJ and WA6ZZJ. A debriefing meeting was held May 7<sup>th</sup> and the consensus was all went well with a few areas needing changes, but that's what exercises are all about.

Full Marathon runner (#143) is on the way back through Water 7. One runner was still outbound, but decided to turn around and head back in with #143 coming from Water 7. At 09:48 Water 7 & 8 are secured with no more runners coming their way. 10:01 and the last runners are inbound from Water 6. 10:35 and Water 6 secures to travel the route to the finish line keeping track of the 'stragglers'. Water stops 4, 3, 2 and 1 are secured as the last runners go through.

12:00 noon and operations are shut down. Laura from the YMCA stopped by to thank us for our help. She has worked the Marathon before, but this year as Director she said "I found out just how valuable your help is" .. SO....Thanks to all of the operators who participated for a job well done...

The Yavapai County ARES/RACES Nets are held Monday evenings at 1845 hours on the 147.220 VVARA Mingus Mountain repeater. The 147.260 Mt. Union Net is held immediately following the 147.220 Net at approximately 1900 hours. Future plans call for linking these two repeaters for emergency and Monday net use. Once we have the repeater link system in place both nets will be combined to begin at 1845 hrs.

73, Lloyd Halgunseth WA6ZZJ  
Yavapai County ARES/RACES DEC/Radio Officer  
(520) 717-2706 wa6zzj@cableone.net

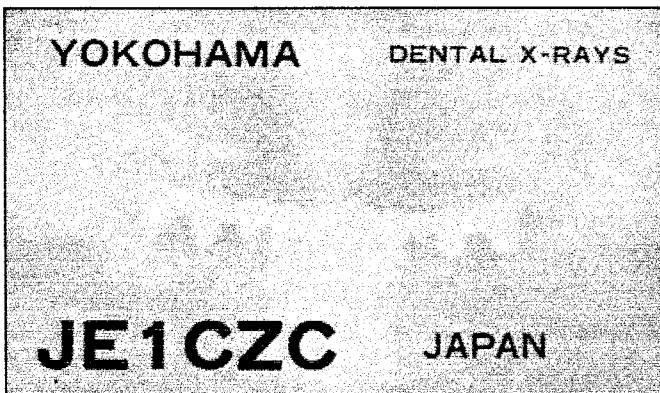
**FOR SALE**-My wife bought me a new rig for my birthday in December, so I now have the following for sale: 1 Kenwood TS-120S HF rig (80-10) with noise canceling mike and mobile mount, AT-120 antenna tuner with mobile mount, PC-1 phone patch controller. All in good condition. Power supply not included. \$400 or make me an offer.  
1 Kenwood TM-2550A 2 meter rig with mike and mobile mount. 45 w. Good condition. \$100 or make me an offer.  
Bob Ower, WA7YUL 776-8359 or wa7yul@arrl.net



**FOR SALE**-MOSLEY Tri-Band beam, Ham-4 Rotator, both mint condition, seldom used. Asking \$425. They are packed and ready to go 445-2999 AB7SK

**QSL CARD'S WANTED!**

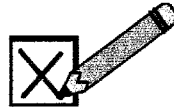
This was sent in by Bob-WA7YUL. Though not rare, it is a bit on the strange side. The OP might have been a dentist?



(Check the club's website for a better view of this card!)

Remember, if you have a favorite QSL card that you would like to share, send it to me with a short story about it. If I don't get any, I'll continue boring you with mine! Ed.

**ARRL VEC**



**Volunteer Examiner Testing**



A test session was held on Saturday May 11. There were 4 candidates who were administered 4 elements which resulted in 3 new Tech licensees. Thanks to all who attended and helped out.

The tentative remaining schedule for testing in 2002 will be (all Saturdays) 8/10, and 11/09 at 10:00AM. The new location will be at the Masonic Lodge on Willow Creek Rd (by K-Mart). Additional sessions may be held as needed. All those attending for tests must have **ORIGINAL** license and a copy, **ORIGINAL** CSCE's and 1 photo ID. (VE's-remember to bring and wear your VE - ID Badge!)

Special test sessions may be accommodated according to demands, as needed. The test fee for 2002 remains at \$10.00. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 541-1225.

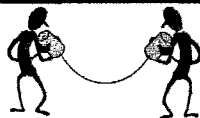
**YOUR LOCAL PRESCOTT AREA VE's**

- |       |                |        |               |
|-------|----------------|--------|---------------|
| AB7KE | Joan Tremper   | AB7KF  | Bob Nichols   |
| AB7VH | Ruth Enabnit   | K7KOL  | Bob Kane      |
| K7NGK | Don Broadston  | KC7AGL | Don Muller    |
| AB7SK | Sasha LeGendre | KK7JH  | Billy Peters  |
| KG7OL | David Miller   | K17EB  | Bill Thrift   |
| KJ7KL | Pen Brown      | N6LIK  | Bob Hoffa     |
| KM6BF | John Wilson    | W2YAV  | Bill Kafka    |
| W7DC  | Bob Harkey     | W6CCD  | Dick Hughes   |
| W6HDP | Bill Jackson   | W9KRQ  | Dave Rutledge |
- WB6ODR Bob Smith

**AREA REPEATERS**

FREQ	PL	Location	Notes
52.560-	100.0	Mt. Union (-500khz)	CARS N7NGM
53.040-	C/S	Prescott Airport-1 Mhz	KC7WBE
145.350-	C/S	Wildflower Mtn.	DAWN
145.370	C/S	Towers Mtn.	MMRG
146.780-	91.5	Bill Williams Mtn.	BWARC
146.880-	100.0	Prescott	YARC
146.980-	100.0	Flagstaff-Elden	CARC
147.000+	100.0/162.2	Mingus Mtn.	MMRG
147.040+	100.0	Prescott Heights	W2YAV
147.140+	162.2	Flagstaff-Elden	ARA Link to Ord
147.220+	162.2	Mingus Mtn.	VVARA
147.260+	103.5	Mt. Union	YC EmergSvcs
223.960-	127.3	Chino Valley	NW7AZ
442.150+	100.0	Mingus Mtn.	Northlink
442.350+	100.0	Glassford Hill	N7KPU
448.475-	100.0	Flagstaff-Elden	ARA
448.500-	100.0	Prescott	KB6TWC
448.875-	100.0	Flagstaff-Elden	Northlink
449.175-	100.0	Towers Mtn	Northlink

**ADDITIONS, DELETIONS AND CORRECTIONS APPRECIATED**



**WEEKLY INFORMATION NET** - WEDNESDAY NIGHTS @ 7:00 PM  
146.880- (100.0 PL) IF YOU DON'T HAVE PL, TRANSMIT ON  
146.880 SIMPLEX WHEN THE REPEATER DROPS OUT. ALL  
AMATEURS WELCOME.

**MONTHLY MEETING** - 3rd THURSDAY @ GRANITE MTN MIDDLE  
SCHOOL 7:00PM (N 34° 34' 22.6" W 112° 29' 45.1")

**NEXT MEETING THURS, JUNE 20, 2002 @ 7:00pm**

Meeting Change-The July meeting will be on the 25<sup>th</sup> (4<sup>th</sup> Thursday)



Wednesday Morning Breakfast-Iron Horse Café, S. Hwy  
89 in Chino Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:00AM.  
Informal-All are invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway  
Shopping Center, Hwy 69 Prescott Valley. 7:00am. (N 34° 35' 13.3" W  
112° 19' 44.6") All are invited.

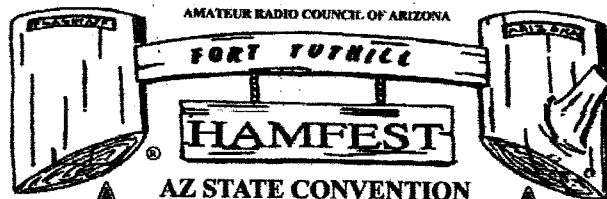
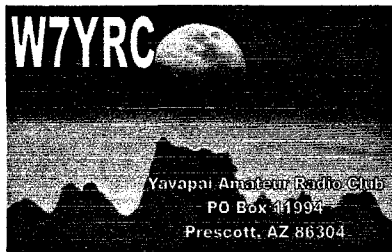
Location data provided by Fred Zimmermann-N7PJN, per WSG84 Datum

SOME CARTOONS COURTESY OF WORLD RADIO MAGAZINE

**YAVAPAI AMATEUR RADIO CLUB**  
**PO BOX 11994**  
**PRESCOTT, AZ 86304**

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

Many thanks to Bob Smith-WB6ODR, our Webmaster!



**AMATEUR RADIO COUNCIL OF ARIZONA**  
**FORT TUTHILL**  
**HAMFEST**  
**AZ STATE CONVENTION**  
**JULY 26, 27, 28, 2002**

GATES OPEN AT 6 PM THURSDAY 7/25 FOR CAMPING/SET-UP ONLY

**HAMFEST HOURS:**  
Friday & Saturday - Dawn to Dusk  
Sunday - Dawn to 2:00 p.m.

**EXHIBIT HALL HOURS:**  
Friday - 12:00 p.m. - 5:00 p.m.  
Saturday - 9:00 a.m. - 5:00 p.m.  
Sunday - 9:00 a.m. - 2:00 p.m.

**ADMISSION: \$1.00 per person**

**MAIN PRIZES**

Grand Prize - ICOM IC-746 HF/VHF Transceiver  
Second Prize - YAesu FT-817 QRP Transceiver  
Third Prize - MFJ-269 Antenna Analyzer  
Early Bird - KENWOOD TH-7GA Tri-Band HT

**EARLY BIRD DRAWING WILL BE HELD FRIDAY AT 1 P.M.**

**DOOR PRIZES EVERY HOUR**  
**RAFFLE TICKETS**  
\$2.00 Each, 3 for \$5.00 or 60 for \$100.00


Seminars - ARRL Forum - YL Refuge  
Tech Sessions - Star Party - Classes  
Major Manufacturers - Awards  
Near Space Repeater Launch - AMSAT  
ATV - Saturday Night Dinner  
Sunday Juague Sale - and More

**VE EXAMS:** Saturday, July 27, 2002  
Registration: 8:30 a.m. - 12:00 p.m.  
You **MUST** have original and one copy of your  
license and/or any applicable C.S.C.E. Photo I.D.  
required. **WALK-INS ONLY.**  
For exam information call: 602-881-ARCA (2722)

**FOR RESERVATION INFORMATION**

NEW Web Site! Call 602-881-ARCA (2722)  
ARCA Web Site: [www.arca-az.org/ARCA](http://www.arca-az.org/ARCA)

OR SEND LEGAL-SIZE S.A.S.E. TO:

 **ARCA - Fort Tuthill Hamfest**  
16845 N. 29th Ave., #312  
Phoenix, AZ 85053-3041

**BEFORE JUNE 1, 2002**

**FORT TUTHILL IS LOCATED AT THE  
FLAGSTAFF AIRPORT EXIT #337  
3 MILES SOUTH OF I-48 ON I-17**

**TALK - IN 146.980 - azarcasaz@azarc.org**

**NO FIREARMS, ALCOHOL OR DRUGS  
PERMITTED ON GROUNDS BY  
COUNTY REGULATION**