

# The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB**  
**PRESCOTT, ARIZONA** **DM-34**  
**VOL 11 - No. 6** **JUNE, 2001**



## 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. 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 Kaifka, W2YAV for the upkeep and use of the repeaters.



## YARC OFFICERS for 2001

### President

Dale Leslie-N7XFD  
[daljerles@webtv.com](mailto:daljerles@webtv.com)

### VicePresident

Terry Pemberton-KB7TRE  
[kb7tre@aol.com](mailto:kb7tre@aol.com)

### Secretary

John Wilson-KM6BF  
[km6bf@cableone.net](mailto:km6bf@cableone.net)

### Treasurer

David Passell-K6UWV  
[davidrex@northlink.com](mailto:davidrex@northlink.com)

## YARC BOARD OF DIRECTORS

Includes Club Officers

### Immediate Past President

Lee Cunningham-KC7CBK [kc7cbk@arrl.net](mailto:kc7cbk@arrl.net)

Bob Kane-K7KOL [arkane57@yahoo.com](mailto:arkane57@yahoo.com)

Frank Homeff-WA6JBV

NEWSLETTER EDITOR - John Wilson-KM6BF

## APRS!

Without a Radio or GPS?

Article by Kris Bearscove, KC7UNK

[bearsck@hotmail.com](mailto:bearsck@hotmail.com)

Sure! With the way today's technology is advancing, it would only seem proper that our different means of communication become linked in one way or another.

YES, you can use the Automatic Position Reporting System even if you don't have a radio and GPS. It's called the *Internet*. Using the methods described later on, you can track and transmit position and message data into and through the APRS network without even turning on your radio and buying all the many accessories usually needed. You can perform all the functions a base APRS station can perform. I may be vague in some areas -- to prevent a long and boring article - so if you're new to APRS and want more information about how APRS works, you can bring up QRZ's Web Site at <http://qrz.com/features/APRS/index.htm> and start from there.



I'll start with first listing a couple web sites you can use to find stations transmitting APRS data, then I will describe the ways APRS software can be used.

<http://www.aprs.net/>

This web site requires JavaScript. Unless you have an old version of an Internet browser, most likely you have Java ability. When you enter this web site, you'll have to wait until the JavaScript loads. After it loads you will see a map of Southern Florida. Southern Florida has a lot of APRS activity and this is where the author of the software lives. Once fully loaded, though, you can chose different maps ranging from the Continental US to specific states. The instant the map loads, you will see APRS activity. Follow the instructions below the map to zoom in and move around the map. Click on a station and their LAT/LON coordinates appear and, if mobile, their course direction and speed.

<http://www.findu.com/cgi-bin/find.cgi?xxxxxx>

Use this site to find the exact location of a specific station superimposed on a street map! The "xxxxxx" at the end indicates where you must enter the call sign of the station you're searching →

for (i.e. **kc7unk**). One real neat thing with this page is the "Nearby Stations" link. Not only will this list the nearest stations to the station you searched, but also ALL the messages passed to and from those stations – including the one you searched for! I personally use this feature as an answering machine... if someone sends me a message when I'm not monitoring I can see it listed here.

If you wish to take full advantage of APRS then you need to download an APRS software program and pay the \$60 registration. *Even if you don't register and pay the fee to the authors, you can still perform most all the normal functions\*\*\**. These are the same free programs everyone else uses for wireless APRS operation. There are three basic Windows APRS programs out there. WinAPRS and APRS+. To download either one, go to this web site:

<ftp://www.tapr.org/aprssig/winstuff/>

For beginners, I suggest WinAPRS. This seems to be the simplest one to get up and running.

APRS connections through the Internet are referred to as TCP/IP. Both programs contain the most common network addresses to connect to. In most cases all you do is simply select the option of connecting to a TCP/IP network instead of connecting to a TNC. The program will automatically know whether or not you're connected to the Internet and, if so, will connect to the required APRS network. You will see APRS data activity begin immediately. From this point on, you can use the APRS software as if you were using a TNC/Radio set-up. **Not only that, but you're receiving data from all over the world, not just your local area!**

In order for everything to work right, you need to enter your callsign and position (\*\*READ Disclaimer) in Latitude/Longitude. If you don't know your LAT/LON, use a street mapping program OR web site (like [www.MapBlast.com](http://www.MapBlast.com)), and enter your home address. The result will be a map and associated LAT/LON coordinates for your address.



**\*\*\*DISCLAIMER:** Unless you register the program with the author and paid the \$60 registration fee (basically the same for either program), your position data and messages will be confined to the Internet network, ONLY. Your data will not be transmitted over the air. This is to prevent non-hams from illegally using the APRS system. **ALSO** - Without registering, ALL your settings and information will be lost each time you exit the program. Which gets to be a big hassle. So paying the \$60 may not be a bad thing – hey, it's still cheaper than purchasing a radio, TNC, and associated cables. **HAVE FUN!**



**FIELD DAY 2001 COMING NEXT WEEK!**

Just over 1 week remains to complete preparations for Field Day 2001. While not a contest in the contest sense, it is a good exercise of operating under less than optimum conditions.

Many first timers will learn how to set up a temporary station

that will operate from batteries, generators, or solar panels. Putting up a temporary antenna strung up in trees or a vertical anchored in the ground. Some will operate the entire weekend, sleeping in tents or RV's. It's a great opportunity to learn and get involved in the activities.



**UPCOMING EVENTS OF INTEREST**

- ▶ July 14-15, 2001 IARU HF Championship
- ▶ July 14-15, 2001 CQ WW VHF Contest
- ▶ July 26, 2001 Next YARC Meeting
- ▶ July 27-29, 2001 Ft. Tuthill Hamfest, Flagstaff
- ▶ July 27-29 Pro Football Hall of Fame SPECIAL EVENT HF
- ▶ August 4-5 ARRL UHF Contest
- ▶ August 11, 2001 VE Testing, Prescott
- ▶ September 29, 2001 – Hualapai ARC Hamfest, Bullhead City

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



**MAY MEETING**

May 17, 2001

President Dale Leslie-N7XFD called the meeting to order at 1902. There were 27 members and visitors present. Visitors included Lee-KC2FWT and Terry-KD7JBK.

The minutes of the April meeting were approved as read by John Wilson-KM6BF, YARC Secretary. David Passell-K6UWV, YARC Treasurer, reported that the club has a balance of \$1195.31, which includes \$431.81 in the general fund and \$763.550 in the repeater fund. The refreshment fund has \$135.32.

**OLD BUSINESS.** Fred Boughton-KB2CT had club badges for members. Bob Rosevear-WB7RRQ reported that the donation to the Food Bank was appreciated. He also reported that information on the Road Rally would be available in June.

**NEW BUSINESS.** Fred Zimmermann-N7PJN announced that the display cases at the Prescott Public Library were available to the club. After some discussion, a motion was made to investigate the availability of the larger cases sometime next year. David Passell-K6UWV requested some new member data sheets. John Wilson-KM6BF made a motion for the club to join ARCA. The motion passed. Bob Tilmn-K7CJW showed some ideas for flags for the club. A motion passed to investigate the cost. Terry Pemberton-KB7TRE added that he would look into the cost of the magnetic signs. David-K6UWV inquired about the T-shirts from the marathon. It was reported that they were probably in the possession of some members not present at →

the meeting. Bill Jackson-W6HDP reported that due to his wife's health, they would be moving into an assisted living facility and that his house was for sale, complete with antennas, towers, and some amateur equipment. He also inquired as to what happened to the MMRG's newsletter.

With no further business to conduct, the meeting was adjourned for the refreshment break at 1945. Following the break, the 50/50 raffle was won by Dick Hughes-W6CCD, who donated his \$13.00, winnings to the repeater fund.

The program for the evening was a video from Terry-KB7TRE about a vital role ham radio played during the Gulf War. "The Last Voice From Kuwait" profiled Abdul-9K2DZ, who sent messages out of the country during the siege by Iraq. Much of the information was relayed through U.S. hams to the State Department and included the U.S. Navy and several European amateurs. Abdul's ID was never revealed until long after the Desert Storm liberation of Kuwait.

We thank Terry for providing this interesting video.

With no further business to conduct, the meeting ended at 2040.

Respectfully Submitted,

John Wilson-KM6BF  
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.

**FROM THE MAILBOX**

No mail to report this month!



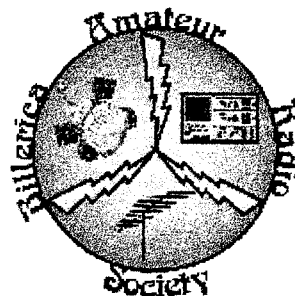
**THE NEWSLETTER!**

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)



Occasionally we will have articles from other clubs. This month we feature information from Massachusetts. The article is about their clubs involvement in a Road Rally, like ours:

**Billerica (Mass) Amateur Radio Society**



**2001 Maine Forest Pro Rally**

Jim Evans, N1HTS

Here are excerpts from Ted Goddard's 2001 Maine Forest Rally letter to former participants, and the forms to use to sign up. He doesn't list a date but it's July 27-28. I've listed radio as the specialty. If you'd like to help out doing something else, list it. What is MFR? It is a high-speed car rally on Maine's logging roads. If you've seen off road rally on TV, or have seen the short piece I showed at a meeting, it's wild at times. They use amateur radio to coordinate start and finish lines, and spread us out throughout the course so that if a car is in trouble s/he can pull in to a safe spot if they can make it there. Usually we watch cars go by and take pictures on Saturday. Friday is at night so you'll see dark, then lots of lights, then it's dark again. Cars are started a minute apart. Being alone in the woods at night for a couple of hours can be interesting.

The following information is from Ted Goddard: "MFR is expanding to include some of its activities at Sunday River. This will include early registration on Thursday and the awards/buffet on Saturday. MFR will now have room to open up the buffet to all that want to attend. With Sunday River now involved, NER (New England Region of the Sports Car Club of America) has booked the Snow Cap Dorm for Thursday, Friday and Saturday nights. There are 198 beds in rooms of 6-8 per. Cost will be \$30/night inclusive. ALL reservations will be made through Ted Goddard on a first come basis."



**FROM THE PAST, PAST-PRESIDENT**

**MEA CULPA**  
and  
my car's sorry too!

Parking lot "dings" in the car are always annoying, whether the wheels are residing in the "new car" slot of your brain, or it's been around the block a few times.

Annoyance quickly boils over to aggravation though when you're there to witness the assault, and the feeble functionary blames your car! Not you, your car!

Twice in one week, in the K-Mart parking lot, I saw some distracted driver going about his business, while leaving his calling card in the side of my car.

The first assault was from the driver's door of a Chevy van. As the driver maneuvered himself up to his seat, a slight roll was created in the van from his shifting ballast. The rolling motion of his→

door, wedged into my rear passenger door, created a marvelous etch-a-sketch, graffiti signature into the door panel, tracking the journey to his seat.

I called to him and showed him the petroglyphs in my car's door. Leaning out his open escape hatch, he observed his artwork and wryly commented, "how come your car doesn't have rub strips on it?" That's about as apologetic as me asking him, "how come your van doesn't have rubber doors?"

The second attack came while stopped in the driving lane of the same parking lot, waiting for a car to vacate a spot.

Feeling a sudden roll in my car, I looked over my shoulder and saw a very large, chrome spare tire cover in the window of that same door as the first assault. This "sneak attack" was from another van! What prompts big vans to want to stroke my little Subaru?

When I got out to investigate the damage, I met the other driver and pointed out the dent and AWOL paint from my poor door. His comment? "Your car needs a wash, I didn't see it!"

The words of my sweet, departed mother suddenly came to mind: "it's not nice to knee your elders!"

I guess his mother said something similar to him when he was a little boy, because we just grimaced at each other and exchanged insurance/license numbers.

All of you back road enthusiasts take note: Bradshaw Mountain mud makes your chariot invisible to the rheumy eyes of senior K-Mart warriors!

If anyone needs anecdotal evidence about the increasing indifference we see in contemporary society, I have two stories to relate about people not having the courage or courtesy to admit they made a mistake and say, "I'm sorry!" That's all it takes, no big deal, just "Sorry, I screwed up!" And these are people my age and older!

On the second incident, I contacted the police to record the event, and will have to find a body shop to pull out the dent and re-paint the spot. Not an "end of the world" event, just a pain in the

I traded my HF gear to a ham for some of his valuables. He's enjoying his new stuff, and I mine. How's that for a win-win situation? Now I'm looking for a portable, 75 meter HF transceiver that I can carry in the car and hook up to a "Hamstick" antenna. I think I'll mount the antenna back on the rear passenger's door! Anyone have a Ten-Tec Scout they're tired of looking at?

Attention K-Mart shoppers: That "blue light special" in the parking lot is really a mad ham's rf-saturated radiator looking for the next convenient ground!

ps. The first driver has since apologized to me, which redeems his reputation in my mind. The second driver's insurance company is sending me a check, though I've still got to "board" my car at the body shop for a few days while repairs are made. His remark about my "dirty car" re-enforces the need for all of us to remember our sweet, departed mother's advice!

73's

Bob Kane K7KOL

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



SAY WHAT?

Here's a little something someone sent me about operating practices on the radio. There are 44 of them, so here's 12-22 this month:

**"LID MATING CALLS" OR, "I GOT MY LICENSE THE DICK BASH WAY!"**

Step Twelve: After failing to make contact with another station, be sure to tell everyone that you are "clear". This way you will actually feel that others care. And the rest of us will have someone else to ridicule besides Claude Rains.

Step Thirteen: If you hear someone on the repeater giving directions to a visiting amateur, even if the directions are good, make sure you break in with your own "alternate route but better way to get there" version. This is most effective with several other "would-be LIDs", each giving a different route. By the time the visiting amateur unscrambles all the street names whizzing by in his mind, he should have moved out of the range of the repeater. This keeps you from having to stick around to help the guy get back out of town, later.

Step Fourteen: On HF always find two amateurs engrossed in their weekly schedule, interrupt them by requesting a quick signal report, and then warm the ether with your life's story. Be sure to embellish your interruption with the many helpful hints provided in this guide.

Step Fifteen: Always uses the National Calling Frequency for general conversations. The more uninteresting the content, the longer you should transmit. Extra points are awarded if you have recently moved from an adjacent frequency for no reason. Make sure when DX is "rolling" in on 52.525 that you hang out there and talk to your friends five miles down the road about the good old CB days!

Step Sixteen: When reporting an emergency via an autopatch, be sure to tell the dispatcher "I am a ham." And "When I am keyed-up, I can't hear you." It's a high stress job, and she will appreciate the diversion.

Step Seventeen: Make sure you say the first few words of each transmission twice, especially if it is the same thing each time. Like "roger, roger" or "fine business, fine business." I cannot stress enough about encouraging redundancy.

Step Eighteen: If you hear a conversation on a local repeater, break in and ask how each station is receiving you. Of course they will only see the signal of the repeater you are using, but it's that magic moment when you can find a fellow "LID", and get the report. Extra points are awarded if you are using a base station, and the repeater is less than twenty-five air miles from you.

Step Nineteen: Use the repeater for an hour or two at a time, preventing others from using it. Better yet, do it on a daily basis. Your quest is to make people so sick of hearing your voice every time they turn on their radio, they'll move to another frequency. This way you'll lighten the load on the repeater, leaving even more time for you to talk on it.

Step Twenty: See just how much flutter you can generate by operating at handheld power levels too far away from the repeater. Engage people in conversations when you know they won't be able to copy half of what you're saying. Even when they say you're uncopiable, continue to string them along by making further transmissions. See just how frustrated you can make the other amateur before he finally signs off in disgust. Also when you hear a hopeless pile of noise open the repeater input, be sure to tell the other op that he's "not making the machine." This way, he will, at least, have you to talk to.

Step Twenty-One: Use lots of radio jargon. After all, it makes you feel important using words ordinary people don't say. Who cares if it makes you sound like you just fell off Channel 19 on the Citizen's Band? Use phrases such as "Roger on that", "10-4", "I'm on the side", "Your making the trip" and "Negatory on that". And never forget a healthy sprinkling of "here's" and "there's" for the most professional effect.

Step Twenty-Two: Use "Umm" and "Ahhh" whenever possible to keep your VOX relay from opening between words. If mobile, make sure the wind noise is loud enough that others have to strain to pick your words out from the racket. On HF, whistle frequently to keep your d' Arsonval movement in top form.

...continued next month



**OTHER NEWS OF INTEREST**

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

**ARRL ASKS FCC TO INVESTIGATE LONG-RANGE CORDLESS TELEPHONE SALES**

NEWINGTON, CT, May 30, 2001--The ARRL has asked the FCC to investigate and "take appropriate action" against several companies it alleges have been marketing so-called "long-range cordless telephones" via the Internet. The ARRL took the action in the wake of numerous complaints from the amateur community about sales of the devices, some of which operate on VHF and UHF frequencies allocated to the Amateur Service.

"Because these devices operate on Amateur bands and are capable of causing severe interference to ongoing Amateur communications, and because these devices likely will not meet MPE [Maximum Permissible Exposure] levels for RF exposure, the matter is considered urgent," said the May 29 letter from ARRL General Counsel Chris Imlay, W3KD.

The letter was addressed to FCC Enforcement Bureau Chief David Solomon as well as to Raymond LaForge of the FCC's Office of Engineering and Technology's Equipment Authorization Division and to FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth.

"ARRL has not been able to locate any FCC certification for these devices and, based on the advertised frequency bands and ranges, it is believed that none of these devices could be certificated, or legally marketed or sold, under FCC rules," Imlay wrote.

Imlay said the ARRL also is looking into the marketing of products such as 434-MHz video surveillance equipment and other "apparently non-certificated devices" that use amateur frequencies but are being marketed in the US to non-amateurs.

ARRL Lab Supervisor Ed Hare, W1RFI, said he's received several reports concerning long-range cordless telephone devices advertised for sale on the Internet and via auction sites such as eBay. "One of the reports, from Bill Erhardt, K7MT, involved actual harmful interference to amateur communications," Hare said. Erhardt tracked the telephone to a neighbor's home. The neighbor told him he'd bought it on eBay.

Hare said he was glad to see the issue put into the FCC's hands. "All intentional transmitting devices that are marketed in the US must be FCC certificated, as described in the FCC rules," he said. "At the advertised power levels and frequencies, I do not believe that these phones could have been certificated."

The ARRL was able to obtain one of the long-distance cordless telephones for testing. The device, manufactured in China, bears no FCC identification number or label. The ARRL technical staff

determined that the device--an Optima 8810--operates at an output power of greater than 3 W near 147 MHz. Other such phones are advertised as having ranges of up to 100 km operating at power levels of up to 35 W on VHF and UHF. Some models use frequencies in the amateur 2-meter and 1.25-meter bands.

The ARRL offered to send the telephone device "and as much information as it can obtain about the eBay seller" to the FCC. In his letter Imlay noted that the vendor has since disappeared from the auction site.

One of the companies selling the long-range cordless telephones had originally indicated that one such device operated on 147 and 230 MHz. Apparently after it heard complaints from amateurs, the company altered its Web site listing to indicate that the phone operated at 249 and 375 MHz. The ARRL attached to its letter a copy of the Web site of another seller that showed the same telephone as operating on 150 and 230 MHz. The League said some of the companies also may be selling similar wireless products that may operate on amateur or restricted bands.

Hare said some long-range devices are legally certificated to operate on the 900 MHz or 2450 MHz Part 15 bands. "These legal devices are only an issue if they cause actual harmful interference to the Amateur Service," he said.

Hare requested reports of unlicensed devices causing actual harmful interference to Amateur Radio operation. Reports may be sent to [rfi@arrl.org](mailto:rfi@arrl.org).

**ENFORCEMENT: BROOKLYN NY PIRATE BROADCASTER ARRESTED**

The Federal Communications Commission has announced the arrest of a pirate radio broadcaster in the New York City area. We have this report:

According to the FCC, Ibar Robert Mohamed had been operating an unlicensed FM radio station on 89.3 MHz in the borough's of Queens and Brooklyn, NY. He was arrested on May 22nd by the United States Marshals Service working in conjunction with FCC Agents and the Office of the United States Attorney for the Eastern District of New York.

The FCC says that enforcement actions had failed to deter Mohamed's unlicensed operation of the FM station. Several times the FCC had issued notices directing him to cease operation of the unlicensed station. And the U.S. Marshal's Service, in conjunction with the United States Attorney's Office and the FCC, had seized his radio equipment on two previous occasions.

But each time Mohamed came back on the air in defiance of the government's edict. After exhausting all other avenues the decision was made to not only take his station off the air, but also to bring charges that could put Ibar Robert Mohamed behind prison bars. The FCC says that in the last 18 months, investigations of unlicensed broadcast operations by its Enforcement Bureau have resulted in the shutdown of over 300 unlicensed stations. (FCC)(From NEWSLINE)



**ARES/RACES NEWS**



**Upcoming events for YARC are:**

**Field Day** on June 23rd. The station will be set up on the Courthouse Square in downtown Prescott.

**Frontier Days Parade** on June 30th. Seven to eight operators will be needed for Public Safety Communications. Contact Lee, KC7CBK, if you would like to assist. The Club will also have vehicles in the parade along with the ARES/RACES Communications Van.

**ARES/RACES TRAINING TOPICS.....**

**Operating on a Tactical Radio Net Part 1:**

Tactical Radio Net. A radio net consists of several stations on one radio channel, following organized procedures, and directed by a Net Control Station (NCS).

**Types of Nets...**

\* Directed net: Stations must get permission before using the net. Address all calls to the NCS.

\* Open net: NCS permits net stations to call one another. NCS intervenes only to straighten out confusions.

\* Or the NCS may allow casual calls and conversations on the channel, speaking up only when there is net traffic to pass.

**Get to your assignment ahead of time...**

\* Arrive at your assigned operating point 10 to 30 minutes before your shift starts to get set up and get a briefing before the start of your shift.

**Don't help the NCS...**

\* Resist the urge to help the NCS.

\* Act as a relay station only if the NCS, or another radio station, asks for a relay and you can fulfill the requirement.

\* If you call the NCS or dispatcher and do not get a reply, be patient and call again in a minute or two.

\* If you have an emergency, say "Emergency Traffic" after you identify yourself when you call the NCS.

**Use tactical and FCC call signs efficiently...**

\* By using Tactical Call Signs, the net can be conducted without regard to which operator is at the radio.

\* Use the tactical call sign to identify your transmissions and address another station by its tactical call sign.

\* No call sign is necessary in a two-way conversation once communication has been established.

\* To comply with FCC rules, add your FCC call sign to your last transmission in a series.

\* It is not necessary to add the receiving party's call sign, just your own.

**Never leave a net without checking out...**

\* If you know you will be unable to participate for an interval, tell that to the NCS before you leave.

\* Check in with the NCS when you return.

\* Never depart at the end of your shift without making certain that the NCS knows that you are leaving. Brief the operator who relieves you.

\* Tell the operator who takes your place everything they need to know to do the job.

\* Try to write down most of the information during activity lulls.

\* Radio, power, or antenna details.

\* All the tactical call signs and where the stations are located; possibly also names and FCC calls.

\* The location of the nearest telephone, if any.

\* The name and titles of the officials you are serving; how to find and recognize them.

\* The specific purpose and responsibilities of your station.

\* The overall situation and expected changes.

\* Pending activity: messages you have sent and replies you expect (Who gets the reply?).

\* Location of the toilet, water, food, etc.

\* Sign out on the Activity Log. Complete all paperwork before you leave.

**Keep transmissions short in order to...**

\* Allow other stations to interrupt if they get more urgent traffic. →

- \* Let the NCS exercise control promptly.
- \* Lose less time if the transmission was partly or completely unreadable, due to radio problems, simultaneous transmissions (doubles), noise nearby, etc.

Stop transmitting if you stop talking. Always release the push-to-talk (PTT) button if you need to pause for some reason: to think of a street name, to remember everything you wanted to report, to listen to something urgent that is happening nearby, etc.

Don't use VOX, or a locking PTT switch. PTT (push-to-talk transmission) is better than VOX (voice-activated transmission) on a tactical net. PTT allows you to control exactly when to transmit. Avoid locking PTT switches.

Continued next month....

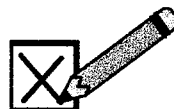
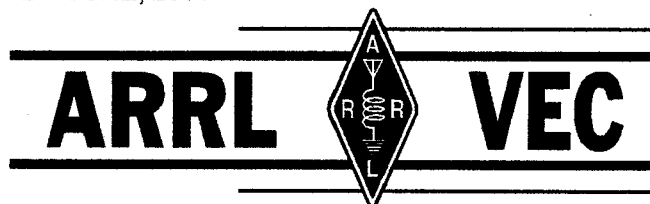
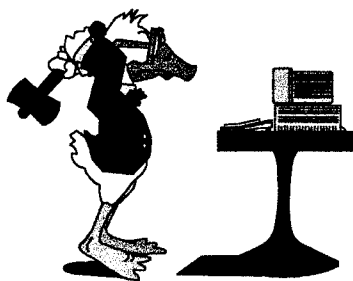
The Yavapai County ARES/RACES Nets are held Monday evenings at 1845 hours on the 147.220 VVARA Mingus Mountain repeater. The 147.260 Mt. Union Net is held immediately following the 147.220 Net at approximately 1900 hours. Future plans call for linking these two repeaters for emergency and Monday net 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](mailto:wa6zzj@cableone.net)



**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.



### Volunteer Examiner Testing



The tentative remaining testing schedule for 2001 will be 8/11, and 11/10. 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 2001 has been set 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	Ginger 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	



**ARRL RENEWALS.** If you join or renew your ARRL membership, the club gets to keep a small portion of the fee. Remember to include both the application and envelope when you submit it through the club. Thanks. David Passell-K6UWV-Treasurer.

#### For Sale:

Yaesu FT840 HF transceiver...like new, in box.  
Astron RS35A power supply...Like new, in box  
MFJ 901B mobile antenna tuner  
Lykes power and SWR meter...compact.  
Bench Paddle Keyer...chrome model  
Heathkit HA14 mobile, SSB, HF amplifier.  
w/HP-24DC power supply...2 572B tubes  
Heathkit Electronic Keyer, Mode HD 1410  
MFJ model CWF2 CW filter  
MFJ model 418 morse code tutor  
A&E engineering QRP, CW transceiver  
Pyramid power supply, 115v ac 13.8 dc 2.5a  
Radio shack, 5/8 wave, 2mtr antenna  
Radio shack, multimeter  
2 B&W coax antenna switches  
Drake, low pass filter  
Small amount of usual hamshack junk  
All items will be at next YARK meeting  
Dale Leslie-N7XFD



**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, JULY 26, 2001 @ 7:00pm**



*WEB morning 7:30 - 8:00*

Wednesday Morning Breakfast-Iron Horse Café, S. Hwy  
89 in Chino Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:30AM.  
Informal-All are invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway  
Shopping Center, Hwy 69 Prescott Valley. 8:00am. (N 34° 35' 13.3" W  
112° 19' 44.6")All are invited.

Location data provided by Fred Zimmermann-N7PJJ, per WSG84 Datum



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!

**COMING NEXT MONTH!**  
**Arizona's Largest Hamfest**  
**July 27, 28, and 29**



**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.