

# The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB  
PRESCOTT, ARIZONA DM-34  
VOL 11 - No. 7 JULY, 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 Kafka, 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



## FIELD DAY 2001 REPORT

Once upon a time..... no that's the start of a fairy tale. Although this is a tale of sorts, the tale is true. Last year as in years past Field Day was a demonstration instead of participation. The idea of Field Day is to establish a radio station in less than ideal conditions and then contact as many other such stations as possible operating for twenty-four hours. Field Day requires participation, organization, and teamwork. Our club, Yavapai Amateur Radio Club, lacks participation. Most of the members, I suppose, have participated in the past and don't relish it today.

Oh well I digress. We didn't make very many long distance contacts. As best I can recall we could only reach Texas toward the East and Washington State and Oregon on the West Coast. I concluded that our antenna, a G5RV, was to low. As you will recall we setup on the East driveway of the Court House and the County would not let us throw our antenna into the trees. So I asked the "powers to be" if we could put an antenna on the Courthouse roof. To my surprise they OK'd the request.

As all good organizers know, you don't leave anything to chance. A week or so before Field Day, I arranged to get on the roof of the Court House to make sure that we had all the material that we would need to setup the antenna, the same G5RV, on the roof. Most of us have a preconceived notion of what the roof of the Courthouse looks like. Well you're wrong. Just like all the rest of you I thought the roof was flat. My guide for toady, a ham himself, Wayne Hays, N7PIE, met me at the Courthouse door. He led me through the metal detector, operated by the building's security, to the elevator. We rode up to the fourth floor; you enter, normally, on the second floor. Around to the janitor's closet and up the ladder through the scuttle hole to the attic. The attic is as big as an amphitheater, a small one. There are probably thirty to forty feet between the ceiling joists and the peak of the roof. Wasted space.

We crossed over on planks laid on the joists. Up another ladder to the door to the roof. This door opens about 10 feet above the gutter that runs around the pitched roof. Yes I said pitched roof. I'm sure that the designers of this building knew that it sometimes snows in Prescott. The pitch of the roof is the steepest I've seen in a long time. I'm glad I wore a good pair of tennis shoes with good gripping soles. A tour around the roof told me all I needed to know. I drew a rough sketch and followed Wayne back through the maze to the ground floor. ☺

Friday, June 22<sup>nd</sup> dawned early that day. I could tell it would be hot on the roof of the Courthouse as we setup the antenna. Terry Pemberton, KB7TRE, and Frank Horneff, WA6JBV, met me that morning at the Courthouse steps. Wayne led the way to the roof. It was a little rougher this time. Terry and I were carrying a ladder and some antenna rope. The rope would be used to pull up the other material to hold the G5RV above the roof. I had some six-inch drainpipe that I thought we could notch and tape to the roof to hold the G5RV above the peak of the roof. The idea was good but the execution wasn't so good. Terry and I strung the antenna between the flagpole on the North end of the roof and the bell tower on the South end of the roof. Wouldn't you know just as I was tying the antenna to the bell tower, it went off. It struck ten times before I could finish. The duct tape wouldn't hold the pipe vertical and when the wind came up, it blew them over. Terry had an idea if we had enough rope we could tie the pipes to the air conditioners located on either side of the roof. The G5RV antenna had about fifty feet of coax attached. Terry and I tie wrapped a hundred foot piece of coax to the rope that I had, lowered the end of the coax to the ground, and tied the rope off. Finished on the roof, we wound our way down to the ground carrying the ladder. Why did we need a ladder, you ask? Well when you stand in the gutter, the parapet that surrounds the roof is six feet high. No wonder you can't see the roof from the ground.

Saturday, June 23<sup>rd</sup> arrived before I knew it. As I drove into the Courthouse driveway, I was shocked by what I saw. It seems that two port-a-johns were placed next to our location. I had planned to set the Comm Van in the exact location. No one had warned me we would be the most popular place that day. Anyway, Perry Morgan, W7OPM; Hans Pieper, KB6AH; Dale Leslie N7XFD; along with Terry and myself setup the awning and equipment. I think we made about a hundred contacts or so. We had contacts from Wisconsin, Canada, B.C., Texas, Florida, and even from the camp ground along White Spar Road. Dave Passell, K6UWV, brought the refreshments. Don and Patty Muller, KC7AGL and KC7LDU respectfully, helped. A number of interested persons came by and Terry and I explained what we were doing and why. As I said in the beginning, this was for demonstration not participation. We had to share the Courthouse plaza with the Blue Grass Festival. As it turned out, this was no problem. Some of the musicians "jammed" on the lawn near our station, which provided excellent background music for the day. At 5:00pm we broke down the station and headed home tired but happy. On Friday, June 29<sup>th</sup>, we took down the G5RV antenna from the roof.

Lee Cunningham  
KC7CBK

*(Editors Note: A hearty thanks goes out to Lee, Terry, Perry, Hans, Dale, Frank and the rest who DID participate. I would loved to have been there, but it was a workday for me. How about the rest of you?)*



**UPCOMING EVENTS OF INTEREST**



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
- August 16, 2001 – Next YARC Meeting
- 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.*



**JUNE MEETING**

The June 21, 2001 meeting was called to order at 1908 by club president Dale Leslie, N7XFD. There were 30 members present.

The minutes of the May meeting were read by club secretary John Wilson-KM6BF, and were approved with 1 minor correction. The treasurer's report was given by treasure David Passell-K6UWV. The club has \$364.49 and the repeater fund has \$779.00, for a total of \$1143.49. The refreshment fund has \$123.25. The report was approved as read.

Under unfinished business, John Wilson-KM6BF reported that he was unable to attend the ARCA meeting and would report next month on the status of the clubs application.

New business: Field Day. Setup would begin at 1100 to begin setting up the antenna on the roof. Jim Riley of the Rodeo Committee has requested the club provide communications for the 4<sup>th</sup> of July parade. He also has a tower he wants the club to take down. Lee Cunningham-KC7CBK reminded everyone to read the bulletin board for announcements. There was also a copy of the obituary for Nate Burlingham from the paper and some equipment for sale. Bob Tilman-K7CJW was unable to get prices for the club banners and will follow up next month. Terry Pemberton-KB7TRE had some name togs for members and also had the price of the magnetic signs at \$18.00 ea. They would not be ordered until a minimum order has been filled and the money is paid in advance. Dale-N7XFD reminded everyone of the hamfest at Ft. Tuthill in Flagstaff next month. Bob Kane-K7KOL gave a follow up on the display cases at the Prescott Public Library. After some discussion, he agreed to submit the clubs name for the display. We will need to gather material and equipment for the display including pictures, signs, QSL cards, etc. We will also be looking for some material from the ARRL.

Lyle Brown-W7LGB announced that club member Bill Jackson-W6HDP had sold his house and most of the equipment. Also, Earl Crawfish-W7KS will be moving to Texas and his house is for sale. Included area tower with log periodic antenna, a 3000 sq ft house and carport. Contact Earl if interested. ☉

Dale-N7XFD announced that there would be several Field Day stations in the area. Fred Zimmermann-N7PJN stated that he and some friends were having their FD 12 mi south of Williams and anyone wanting to come out was welcome. Terry-KB7TRE had the name of a couple wanting to dispose of some equipment. Terry also gave some additional information on the library project.

With no further business to conduct, the meeting ended at 1945.

Following the break, Frank Hornef-WA6JBV won \$14.00.

The program for the evening was given by Fred Zimmermann-N7PJN. He talked about world Time Signal Stations. These stations are located all over the world and many are similar to our own WWV stations. Included are the stations whose accuracy is controlled by an atomic clock and are used by consumer products to keep a clock on the right time. We thank Fred for the interesting information.

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.

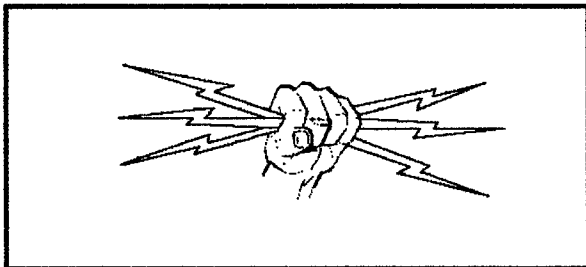
### THE NEWSLETTER!

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@cableone.net](mailto:km6bf@cableone.net)



Occasionally we will have articles from other clubs. This month we feature information from the Whitley County (Indiana) ARC:

### THE WCARC REPORTER



Whitley County Amateur Radio Club, Inc.  
P.O. Box 652  
Columbia City, Indiana 46725  
[ARRL Special Services Club]

"We, the undersigned, wishing to secure for ourselves the pleasures and benefits of the association of persons commonly interested in

Amateur Radio, Constitute ourselves THE WHITLEY COUNTY AMATEUR RADIO CLUB and enact this constitution as our governing law. We have organized to further the exchange of information and cooperation between members to promote radio knowledge, fraternalism and individual operating efficiency and to so conduct club programs as to advance the general interest of Amateur Radio in the community." [Amateur Radio Relay League]

Organized.....Aug 20, 1990

Chartered.....Jan 20, 1992

Incorporated...Jan 19, 1995

PREZ SEZ... Wednesday, July 03, 2001

The big event came quick and now seems so long ago, what made so much time disappear? A big thank you to those who participated in Field Day for OUR WCARC this year. Those I personally took note of and can remember that came out to Larwill ball park were WB8LQU, WB8ORR, W9SMQ, KB9OQP, KB9CQO, AE4IC, KA9QWC, N9QCL, N9WNJ, WC9U, KA9YPC and did I miss anyone if so sorry about that.

I thank those who came out to field day and a big thank you to Rod/N9WNJ who was our chairman again this year. Our field day was made when at the 11th hour Rod managed to pull off the big catch of PSK-31 and copied the ARRL field day message, what catch indeed! Also I want to thank those who operated at this event, they were WB8LQU, WB8ORR, W9SMQ, KB9CQO, AE4IC, N9QCL, N9WNJ and myself KA9QWC. I thank Bill/WB9DAE who permitted us to use his callsign too, only question, where was Bill? Well guess we can easily forgive a senior citizen ham radio operator.

I am dedicating this paragraph to the ladies who really went all out on the chow! What more could we want in the way of a big feast? We ate and ate all through the night and even the next day there was so much left even after taking out all of our dents. The ladies who helped with this major part of the even deserve a great big hand from all of us. They were Cathy Rafferty/WB8ORR, Faye Shull and Maria Evilsizor. That was one of the most enjoyable parts of the field day by far! THANK YOU AGAIN!

Just in case you skipped over the callsign AE4IC above he was Bob Kellogg who attended with his wife and I have to apologize for not remembering her name. You see bob hails from Greensboro, NC and he visits this area to attend his old Columbia High School alumni group. He made up his mind this year that somewhere or somehow field day was going to be on his to do list! Thanks to Henry/KB9CQO who got him steered in our direction we had a QRP/SOLAR power operator who made some key contacts for us. How is that for dedication to our hobby fellow amateur radio operators? How many of you would be willing to do something like this on a trip/vacation? Also many thanks to Bob's xyl who exercised the most in patience while he was busy with field day. Fortunately she is an avid reader so was able to enjoy some reading material during this event.

Now my fellow WCARC amateurs where you during field day? I realize we had some sickness and last minute unexpected events, but those in that category were in a minority. Everyone knows field day comes once a year and it is one of our largest events both as operating and social. I think it was insulting to the ladies who worked so hard to prepare ☺

food for this key event. I was very disappointed with attendance at our 1800 (6 PM) supper. I know my wife seemed disappointed too and my words to her were to probably forget about working so hard for next year. Her eyes were aglow observing those WHO DID ATTEND and enjoyed all the eats and treats.

You know at the time of our WCARC nominations for officers last year I asked you all if we could count on your support and help when needed. Remember that it was part of my acceptance of the nomination as your club president. It appears like those promises are long forgotten and down the drain so to speak. We also have enjoyed so many great programs this year at the monthly meetings brought about by our VP Dave Keiser, several of these events did not have the best attendance.

My enthusiasm is starting to wane but I do not plan to quit or run away and hide either. How about you, do you want to see the club prosper or dwindle down to nearly nothing? The choice is yours basically, we can just lead the hams to areas of interest but we cannot make them drink. 73 de don ka9qwc...

**FROM THE MAILBOX**

No mail to report this month!



**FROM THE PAST, PAST-PRESIDENT**

It's about Time



"A man with one watch knows what time it is. A man with two watches is never quite sure!" says an old saw.

I don't know who said it, but I've always figured it was Will Rogers because of its clarity and "down home" truth.

Our Will Rogers—Yogi Berra, always shouts, "NOW!" when asked the time.

How can anyone be more succinct? How can such a witty, comfortable, plain "salt of the earth" man have the answer while we scurry about with hundred dollar watches on our wrists, thousand dollar WWV receivers ticking at us and multi-million dollar atomic clocks parsing the seconds down to a millionth; yet we can't report the correct TIME. By the time we look at our watch and translate what we see to what we say, we're already late. It's no longer that time!

St. Augustine, in the fifth century said, "I know what time is, but when I'm asked to define it, I can't!" Sounds like our definition of pornography: we know it when we see it, but we can't define it to a universal agreement.

Even before "Augie", the ancient scribes must have pondered time's passage. The first three words of the opening book (Genesis), of the mother of all anthologies are: In the beginning..." The beginning of what? TIME, I guess.

Albert Einstein's theory of relativity (which is all about time) says that if an astronaut travels for 50 years in space and returns to earth, she'd be 10 years younger than us earthlings when she got back! How you figuh, AI? Beats me, I don't understand it.

What about us? Do we really know what time it is? Sitting at this computer, I see three times and hear one. The time is on my computer monitor's task bar, it's on my wristwatch, it's on my 1973 Allied Radio Ham clock, and I can hear the tock-tock-tock of WWV. If I leave the room, the tall case clock is there to chime the time, that blinking VCR hammers out 12:00, 12:00, 12:00 like a persistent "Vacancy" sign on a 1950's route 66 motel. In the kitchen, the microwave tells me the time, as does the range clock, the wall clock and the table radio. No matter where I go, time is in my face! Problem is—they're all telling me something different. Not by much, (except the vacancy sign) but no one's in agreement!

"Time is a subtle deity", said the Greek dramatist Sophocles. Perhaps it was – for him. For us, Time cracks a whip. It's become our master. We're preoccupied with its use, and worship it with meters of the finest accuracy.

We name it: We have overtime and halftime, we make time and kill time; we save time and spend time; we're on time and waste time; we find the time, and cons do the time. Time is the modern's whip. No other boss has such control of our lives.

Can we define time? It's hard to, but the Oxford English Dictionary does it, using five columns of print. In all that verbiage, they only have one definition that defines time without using the word, "time". That entry is: "A finite extent of continued existence." Kinda like saying, "I'm sorry" without using the sorry word!

A long time ago, (like in the "land before time" as my grandkids would say), being "on time" was pretty easy. People weren't commuting anywhere except to the field or the privy, which was often the same place! When the sun came up, they did their duty, hunting or farming. Twelve hours later, it was getting dark, and they bedded down, waiting for the next sunrise so they could go back to their "rat-race". Millenniums later, the Chinese made some pretty good bells and bongs of bronze for the warlords and clergy to arouse their subjects. The idea carried west, and in Europe we have a continental landscape of church and Burghermeister bells keeping the people on time for services and tax payments. Now, these magnificent carillons are used to capture the imagination of tourists and to wake the people for services and tax payments!

Navy ships still use bells, though now synthesized sounds, to announce the advancement of time through a watch of four hours. All sailors dutifully wait for the sound of eight bells to announce the end of their watch and their imminent relief.

Water clocks were popular 2500 years ago, but the folks up north had a tough time telling time in December. Seems the water froze, making their clocks as useful as my blinking VCR! Sandglass clocks were pretty good, but the cascading sand enlarged the orifice and clocks "ran" faster and faster. Besides, they never figured a way to wake the serf to rotate the glass!

Time measurement in the 16<sup>th</sup> and 17<sup>th</sup> centuries was the play toy and property of the aristocracy and the heretical, mad scientists who insisted that the earth went around the sun. Tall case and mantle clocks made their debut and decorated many affluent homes, while the gentry sported pocket watches. It wasn't until the mid 18<sup>th</sup> century that sea trade demanded an accurate way to determine a reference time. This reference would be used to find the longitude of ships, a technological advancement that would make capable navigators and captains more valuable to their shipper employers

The Englishman John Harrison answered the demand for ship position accuracy in 1764 with an accurate chronometer that ☺

safely withstood the rigors of a rolling, pitching deck. Now, the chronometer could be set for noon in London before leaving port. By comparing the local noon as observed by a mast's shadow on the deck of a ship at sea with the chronometer's record of noon in London, the number of hours difference could be translated mathematically to a location on the ocean equivalent to a definite number of miles east or west of London.

For the first time, sailors now knew their latitude north or south of the equator, and their longitude east or west of the reference point, or Prime Meridian as it came to be called. This ability to know where they were gave rise to faster, more accurate shipping routes and a new breed of "god": the navigator. He could gaze at the sky, interpret math tables, and tell time. With the heavenly skills of this new mystic, the ordinary seaman's chances of returning to homeport were greatly enhanced.

As with any "new" technology, we later found that using the heavens to find our place on earth was inaccurate, and became more unreliable as time went by because of the slowing of the earth's rotation from the braking action of oceanic tides. This slight amount of friction slows our rotation by a fraction of a second a year, no small matter in our time-gripped age. If we are to successfully navigate space as we have the earth, that fraction of a second translates to miles off course, and possible disaster when applied to the expanse surrounding us.

We have now reached the epoch of the nano-second, the billionth of a second. Do we need this accuracy? Yes – a nano-second time error creates a major position error in a Global Position System receiver. No biggy when I'm paddling my kayak around a circular lake on a lazy day, but it's a BIG biggy if I'm piloting a spacecraft cargo ship to the International Space Station, and after three days aloft, I miss the rendezvous because I missed my exit!

We'll never stop parsing the second into ever smaller increments using new technologies, because accuracy breeds efficiency, and efficiency saves TIME!

As Ben Franklin said in "Advice to a Young Tradesman" in 1748, "TIME IS MONEY"

73's  
Bob Kane K7KOL



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

files:

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 uncopyable, 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

**RADIO LAW: FEDERAL CELLPHONE BAN PROPOSED**

A pair of bills working their way through congress could mean the end of operating a cellular telephone while driving unless the unit is equipped for hands free operation.

Citing increased safety concerns, U.S. Representative Gary Ackerman and Senator John Corzine have announced the introduction of the first ever legislation in the House and the Senate to ban the use of cell ☺

phones while driving. Quietly introduced late last May, the twin bills have just caught the eye of the national media after New York became the first state to enact an anti-cell phone measure of its own.

Ackerman's bill is called the Call Responsibility and Stay Healthy Act. If approved, drivers would only be permitted to use their cellular phones while in motion provided that their vehicles are equipped for 100 percent hands free operation. This means more than just talking using a microphone and speaker system. Ackerman wants calls to be dialed or answered by voice activation. Manually placed calls would only be permitted while the driver was stopped or pulled over at the side of a road. It does allow an exemption for emergency calls made while the vehicle is in motion.

Senator Corzine's bill leaves the hands free decision up the states so that each can determine that non hands free cellular phone operation does not pose a threat to public safety. If approved by both houses of Congress, the differences between the two bills would be hammered out in conference committee.

The bills are specifically targeted at mobile cellular telephone use. Neither version mentions other two way radio services, but none -- including law enforcement, public safety or even Amateur and C-B radio -- are specifically exempted either. At least, not yet.

Both bills allow each state to impose their own system of penalties whether they be fines and or points on the driver's license. States that fail to implement the ban would lose their portion federal highway funds. A press statement on both measures can be found on the web at [ht://www.house.gov/ackerman/press/cellphone.htm](http://www.house.gov/ackerman/press/cellphone.htm) (WB5ITT, ARNewsline(tm) (From NEWSLINE 7/13/01)

## INTERNATIONAL: HAMS DONATE REPLACEMENT TRISTAN DE CUNHA STATION

And a follow-up on our story a few weeks ago about the problems facing ham radio on storm ravaged Tristan de Cunha. As we reported, a hurricane that hit the tiny British South Atlantic caused the total loss of transceivers, tower and antennas at the station of ZD9BV and ZD9CO.

Colin Topping GM6HGW had started an appeal for the donation of surplus amateur radio equipment to allow the two hams - who were in the UK at the time of the hurricane - to get back on the air when they return home later this year. Colin reports that the appeal which initially aired on the Radio Society of Great Britain's GB2RS newscast resulted in the donation of a Yaesu FT-102 transceiver, an antenna tuner unit and a Cushcraft R-6000 vertical. This equipment was provided by F5OGL, G3LCS, and G4PSA. (GB2RS)



**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.



## ARES/RACES NEWS

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.

The Yavapai Amateur Radio Club participated along with Yavapai County ARES/RACES in the Prescott Frontier Days Parade on Saturday, June 30th.

Along with the ARES/RACES Communications Van we had Tom, W2JJK, bicycle mobile and Lee and Terry, KC7CBK and KB7TRE, with their respective vehicles. Public Safety Communications were also provided for the Parade by KC7AGL, KC7LDU, KB6AH, KD7JBK and W7OPM. Net control was conducted by Lee from his van while in the Parade. A BIG Thank You to all who participated in once again bringing Amateur Radio into public view and Special Thanks to Lee, KC7CBK, for setting up the Parade communications.

## ARES/RACES TRAINING TOPICS: Continued from June Newsletter

### Listen before transmitting...

\* If you haven't been monitoring all along, listen a while (15 seconds minimum) before transmitting.

\* Be sure the transmitting station is finished, not just pausing. Avoid unnecessary transmissions. Stay off the air unless you are sure you can be of assistance.

How to Interrupt the Net. It is proper to interrupt the net, that is, to transmit when Net Control has not invited you to. That is the purpose of leaving gaps between transmissions: it gives other stations a chance to break in.

If you interrupt, key very briefly, only enough to ID or state something about the nature of the interruption. For example: "N6ABC", "emergency traffic", or "info".

Use short simple phrases and common courtesy. Don't chew gum or eat while transmitting. Sound alert. If you are tired, get a relief operator. Avoid angry comments on the air at all costs. Obscene statements are not necessary and are out of place at all times.

Acknowledge transmissions to you. Acknowledge transmissions promptly, even when it is obvious from the context that you were asked to do something that you cannot do instantly. ☺

Answer questions as directly as possible; do not explain. If asked a question, just answer it; do not volunteer additional detail or an explanation of why something is so, but use good Judgment. You may believe that the simple answer is misleading. The question may indicate that the person asking it does not understand the actual situation. If you think it necessary, volunteer some more information. Be brief; let the questioner ask for more detail if they choose to.

Ask who the message is for, if you don't know. As you copy a message, consider what you are going to do with it. If you cannot tell, then ask the station that is sending it; notice that the message shouldn't be sent to your station after all, notify the sending station and cancel the message.

Let third parties speak over your radios. Allowing an agency official to use your radio is often better and faster than passing messages back and forth. It is just as legal as passing third-party messages. Make sure the third party understands how to talk through a repeater, i.e., wait for the courtesy tone, etc.

**Minimize misunderstandings...**

- \* Only transmit facts.
- \* If your message is a question, deduction, educated guess, or hearsay, identify it as such.
- \* Be sure you are clear what the other party means if you hear one of these terms.
- \* Never pass victim or patient names over the radio.

**Wait after keying before speaking...**

- \* Wait a fraction of a second after pressing the mike button before speaking, to make sure you don't clip the first syllable.
- \* Your radio may take a moment to change over to transmit; and the repeater may introduce its own delay.
- \* If the station you are calling has a hand-held transceiver (HT) in battery-saver mode, and the channel has been quiet, the first second or two of your transmission might go unheard.

Don't talk louder in a noisy environment. It's natural to talk louder if it gets noisy around you, but don't do that on the radio. Talking too loudly into a microphone makes your signal less understandable, not more.

Shield your microphone from the wind. Wind blowing across the microphone can make it impossible to understand you. Close the car windows, pull up your collar, or stand by a shield.

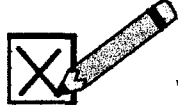
Your HT may not work on your belt. You may have to hold your HT in your hand to transmit reliably, or even to hear well.

Keep your body still while transmitting. When on the fringes of coverage, look for a receiving "hot spot" site and use it. Don't walk around talking while in a communications fringe area. Even if you have a good signal from a repeater, you may not have a good signal in to the repeater.

Operating while mobile. Always know your location, whether mobile or portable and moving around. Keep a sharp lookout for landmarks. You must be able, if called upon, to accurately

describe your location at any time. This is particularly important if you are with a search team or other mobile units.

73, Lloyd Hलगunseth WA6ZZJ  
 Yavapai County ARES/RACES DEC/Radio Officer  
 (520) 717-2706 wa6zzi@cableone.net



**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.

**FROM CHINO BOB**

Number of physicians in the US: 700,000.  
 Accidental deaths caused by physicians per year:120,000.  
 Accidental deaths per physician... 0.171  
 (U.S. Dept. of Health & Human Services)  
 Number of gun owners in the US: 80,000,000.  
 Number of accidental gun deaths per year (all age groups) 1,500.  
 Accidental deaths per gun...0.0000188  
 Statistically, doctors are approximately 9,000 times more dangerous than gun owners.  
 "FACT: Not everyone has a gun, but everyone has at least one Doctor."  
 Please alert your friends to this alarming threat. We must ban doctors before this gets out of hand.





**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")**

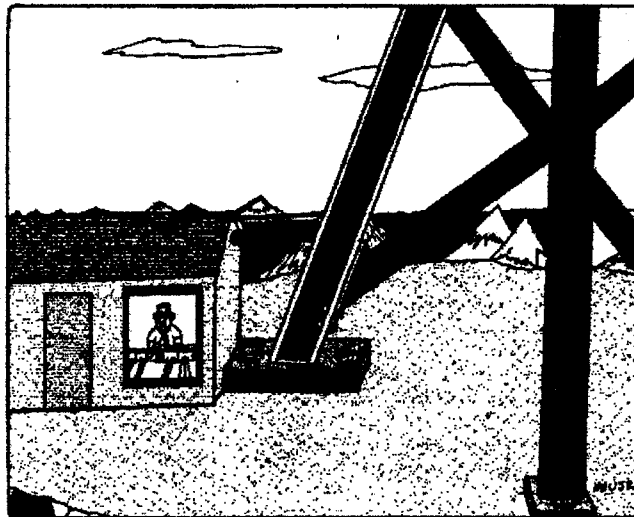
**NEXT MEETING THURS. AUGUST 16, 2001 @ 7:00pm**



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-N7PJN, per WSG84 Datum*



"Yes I really am running just 5 watts QRP...although I  
suppose I do have an above average antenna system."

WORLDRADIO, April 2000

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**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!

