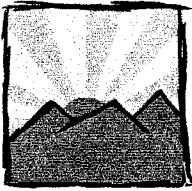


The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB
PRESCOTT, ARIZONA DM-34
VOL 9 - No. 7 JULY, 1999**



WELCOME TO THE YAVAPAI AMATEUR RADIO CLUB The Yavapai Amateur Radio Club 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.



YARC OFFICERS for 1999

Lee Cunningham, KC7CBK	President*
Hal Tritel, N6OVE	VicePresident*
Kris Bearscove-KC7UNK	Secretary*
Tony Masvidal, W7PCU	(a)Secretary*
Fred Schefflette-KC7TIN	Treasurer*

YARC BOARD OF DIRECTORS

*Includes Club Officers

Bob Kane, K7KOL	Frank Horneff WA6JBV
	Dale Leslie, N7XFD

(a) Tony Masvidal will share the secretary's duties with Kris until he graduates and leaves sometime in July.

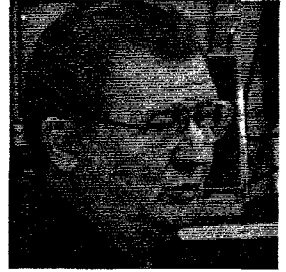
NEWSLETTER EDITOR

John Wilson-KM6BF

FROM THE DESK OF THE PRESIDENT

Well, Field Day is over for 1999. I want to thank Terry, KB7TRE, for bringing the awnings and equipment; Maher, KD7DSO, for getting us the location; Tony, W7PCU, for the publicity; and Kris, KC7UNK; Jerry, KA1BAB; Nate, WA6HJK; Bill, W6HDP; Bob, WB7RRQ; Jim, KD7AOI for coming out to support the Club and Field Day. Next year

we may set up in the band shell at the Court House. We had a great time and we made a few contacts as well.



Jean McMullin, N2MXG, died recently at his home in Prescott. Jean moved to Prescott with his wife, Karen, about a year ago. An open house was held at the Odd Fellows Lodge from 2 to 4pm on Tuesday, July 13th. I hope many of you stopped by to pay your respects to the family.

We hope to have Shelese Caldwell from Native American Air Ambulance Service next month as our guest speaker.

Have you looked at our web site? A big **Thank You** to Bob, WB6ODR, for the wonderful work.

73s for now. KC7CBK

Good Bye, ZIA!








Word is probably out by now about the demise of the ZIA Connection. It was a system of linked 2-meter and 222 MHz repeaters that covered most of Arizona and parts of New Mexico, Texas, and sometimes into California. Many amateurs enjoyed using the system to talk from one state to another and keep in touch while traveling throughout parts of the Southwest. Many amateurs here in this area could access the system through the White Tanks repeater.

Over the years, the system worked quite well for the most part. There were occasional problems with various repeaters being down and apparently maintaining the system got to be too much for those who tried to keep it going. Seasonal access to many of the mountain top sites was not possible and several repeaters were off the air for extended periods. While the system was open to all amateurs and there were no official dues, the cost of maintaining the system and a lack of technical help may have contributed to its demise.


This should serve as a reminder to all that although a repeater may be open and free, it does take time and money to keep it going. We should all be willing to lend a hand if needed and maybe even pay our fair share towards keeping things going. Something to think about! (Ed)



UPCOMING EVENTS OF INTEREST

-  July 23-25, 1999 Fort Tuthill Hamfest/AZ State Convention Flagstaff, AZ
-  July 25-26 IOTA Contest sponsored by RSGB
-  August 7-8 ARRL UHF Contest
-  August 7-8 Ten-ten International Contest-10 Meters only
-  August 14 VE Testing-Prescott
-  August 19 – YARC Meeting Granite Mtn Middle School
-  August 28-29 Hawaii QSO Party

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



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. Many thanks to Bill Kafka, W2YAV for the up-keep and use of the repeater.



JUNE MEETING

The June meeting was called to order at 1900 hrs by President Lee Cunningham, KC7CBK.

Bob Rosevear-WB7RRQ introduced 2 visitors to the meeting, John-NO7M who brought a complete Yaesu FT-890 for sale, and Fred-KB2CT, who is new to the area and joined the club. Fred has been a ham for 24 years and is looking forward to joining in club activities.

Club secretary Kris Bearscove-KC7UNK read the minutes from the

May meeting, and they were accepted after a correction was made to the previous month's treasurer's report.

Club treasurer Fred Schefflette-KC7TIN gave his report, which shows the club treasury has \$327.44, the repeater fund at \$49.50 and the refreshment fund at \$28.77.

OLD BUSINESS. Field Day was discussed and final plans are in place to have a one day event at Frontier Village, by Coco's restaurant on Saturday from 8AM to 5PM. The County Emergency Services van will be there and operators will handle Field Day traffic. Tony Masvidal-W7PCU will handle promotional matters for the event. The Frontier Days parade on July 3 still needs a few more operators and there is still time and room for any entries into the parade.

NEW BUSINESS. Bob-WB7RRQ brought the club up to date on the Road Rally and announced that the Senior Center in Prescott Valley has a request for some radio equipment for the center. The possibility of locating some used equipment was discussed. John Wilson-KM6BF reminded everyone that the next VE Test Session will be on Saturday, August 14 at the Blind Center. Lee-KC7CBK stated that the club may participate in the JOTA on June 19 and Kid's Day as well. Lee also reminded club members that he still needs their shack photos and bio's for the club history. The club voted to look for a way to get a club address for email forwarding through the ARRL's web forwarding service. News of a serious Virus Alert was announced. Kris-KC7UNK updated the club on the electronic newsletter distribution process. With no further business, the regular meeting was adjourned for a refreshment break at 1945.

Following the break, the 50/50 raffle was won by Nate-WA6HJK, who took home \$13.00.

The program for the evening was presented by Pen Brown-KJ7KL and Vern Gregory-N7VG, who both made a great presentation on grounding, lightning, and the affects and effects both have on our equipment. The club thanks Pen and Vern for their time and expertise.

The meeting ended at approximately 2030.



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.



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 treasurer at any meeting.



WE GET LETTERS!

I am WA6HAN an Advanced Class ham that is not very active anymore. I was very active in California, but when I retired from Hewlett-Packard where I was a R&D Engineer for 18 years, I moved here with the intention of putting

up a big beam and being a "Big Gun" again. I have 225 countries confirmed and was a member of the Northern California DX Club. But my station has set idle for three years. I have a second station I can go HF mobile, and I won't be selling it. But I would like to sell this station, a powerful clear signal that can get through the QRM!

- ICOM 745 160-10 meters with 100 cycle CW filter - \$950
- ALPHA 76 2 KW 160-10M Amp. Good 8877's - excellent - \$1200
- Dentron Super-Super Tuner 2KW rating - \$150
- Mosely TriBander beam - \$200
- Package Deal: Whole HF Station \$2,200

The Prez says maybe you could post this in the newsletter.

Thanks, 73's Dean Bailey WA6HAN fstrk@goodnet.com

Call 520-776-4383

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@primenet.com
Occasionally we will have articles from other clubs newsletters:



W4PLB

WELCOME TO THE ORLANDO AMATEUR RADIO CLUB

The Orlando Amateur Radio Club, with the club call of W4PLB, is the largest and oldest amateur radio club in Central Florida with over 300 members and growing. We are an American Radio Relay League, (ARRL), affiliated club and offer many outlets for your amateur radio enjoyment and growth. We actively support Orange County ARES/RACES and Skywarn as well as several community service agencies.

The general membership meetings of the OARC take place on the first Wednesday of each month (excluding December) at 7:30 p.m., at the William Beardall Senior Citizen's Center, first floor, 800 S. Delaney Avenue, Orlando. A business meeting with ham happenings and announcements of upcoming events is followed by an entertaining and informative program and refreshments. The Board of Directors' meetings are on the third Wednesday of each month at 7:00 p.m. in the same location, third floor. Everyone is invited and encour-

aged to attend these meetings.

The OARC is honored to award annually, the Fred Silversmith Memorial Scholarship of \$1,100 in memory of Fred's lifelong, dedicated efforts in promoting amateur radio. This scholarship is presented in August to a deserving student in the Central Florida area who has completed his/her freshman year of college. The winner of the 1998 Fred Silversmith Memorial Scholarship was Miss Danielle Evans, a junior at the University of Central Florida. Miss Evans received her award at the August 5, 1998 General Membership Meeting and followed with a delightful acceptance speech. Danielle has hundreds of hours of community service to her credit and is currently majoring in education with hopes to become an Elementary School Principle after graduating. Danielle is most deserving of this award and is sure to have a positive impact on the Central Florida Community in the future.

The OARC operates four VHF repeaters on the following frequencies: 145.11 -600, 146.76 -600, 146.82 -600, 147.015 +600, and one UHF repeater on 443.275 +5Mhz. All repeaters use 103.5 CTCSS tone except the 146.76 repeater, which is open. Autopatch is available on most of these machines for the use of club members. The club also sponsors one APRS digipeater, W4PLB-10 on 144.390 MHz.

Wayne Nelson, KB4UT, hosts the ever so popular Monday Night Traders Net. This net meets on 146.76MHZ every Monday evening at 8:00 p.m. Listings include ham radio equipment and computer equipment plus an occasional rag-chew. Please feel free to join us each and every Tuesday evening at 8 PM. on 146.760, for the "Tuesday Night New Amateur Ragchew Net". Joe Matern, WW4WJD hosts this popular net. Joe and the group discuss proper operating procedures and a new ham topic at the beginning of the net so that new and old hams alike can learn something new.

The OARC also sponsors another net, which is directed by the Central Florida Listeners Group. This group of local amateurs monitors and records unusual frequency usage and then shares the information on 146.820MHZ Sunday evenings at 8PM. Frequencies used by Presidential escorts to fast food windows are often discussed. Plans are underway to link a number of the repeaters so that a larger portion of Central Florida can be covered for our nets.

We in the OARC are pleased that Orlando is the city which is hosting the construction of the AMSAT Phase 3D satellite, which will go into orbit sometime late this winter or early spring. A number of our members are directly involved with the construction of the satellite at the Orlando International Airport. These hams are highly skilled and their dedication and effort will soon provide hams around the world with high quality, long duration, intercontinental satellite communications. If you would like to learn more about the P3D project, or observe the construction of the satellite, give the AMSAT Phase 3D Lab a call at (407) 859-2344. The workers there always appreciate volunteers' help in the project as well.

The Shuttle Amateur Radio Experiment, SAREX, gives hams around the world an opportunity to talk to the shuttle astronauts on certain shuttle missions. In addition, many primary and secondary school

students around the country have had a chance to speak directly to the astronauts through the use of Amateur Radio. The SAREX page also lists frequencies which the public can listen to in order to hear Mission Control communications with the orbiter.

Our monthly newsletter, The Listening Post, offers updates on amateur radio happenings in our area and around the world, as well as listings of our nets, repeaters and Officers and Board Members and the President's message concerning club affairs.

In further promotion of amateur radio, the OARC offers classes for Novice/Technician Plus level students as well as classes for General class students as requested. By acknowledging the obvious benefits of upgrading, we support and promote the advancement of the amateur radio community licensees by offering Morse Code (CW) classes in conjunction with the theory classes. Our dedicated teachers make the learning of code an enjoyable, positive and entertaining experience. Contact Wayne, KB4UT, for information on our upcoming classes. Testing is also provided on a monthly basis prior to the general membership meeting at the William Beardall Senior Citizen's Center. You can also take a practice ham exam on the net.

Annual events sponsored by the OARC include the Orlando HamCationSM and Computer Show. The Orlando HamCation and Computer Show is sponsored and financially supported by the OARC, whose members contribute their time and effort in promoting a high quality hamfest, the "HamCation." Other Central Florida clubs generously give their assistance in the operation and planning of the HamCation. This is the second largest hamfest in the Southeastern United States with an average attendance of 9,000. If you are visiting the Orlando area during the HamCation in middle February, please drop by and enjoy the show. We love to have new visitors and guests.

We hope you will enjoy your visit here and that you'll be pleased to return. If you have any questions, comments, suggestions or concerns, please contact Tim Starr, AE4NJ.

FROM THE PAST-PRESIDENT

THE VIEW FROM 90 SOUTH



Imagine for a moment, that you're a ham from Acrux, the star-sun of a world visible only from the Southern Hemisphere of the earth. Acrux is in a constellation we call "The Southern Cross", buried in the morass of our milky way; a navigation way-point for more than a thousand years as we sailed our seas and more recently, orbited our globe.

Being a licensed ham from Acrux though (call sign AC#5/10100), your technical journals have made you aware of the Dxpeditions to be launched from your astro-port to a place called "earth", a journey expected to take about three years. Hams at home have heard muted SSB and CW signals from the earth's region of the sky for many years, and are now prepared to voyage to the signal source since the Acrux Diet has approved funding. Polaris will be the guide star from home to Earth, and when it's behind the earth, Acrux will be re-acquired for the final approach to earth's southern surface.

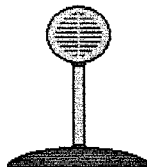
Eighteen months later, as the dxpedition approaches base camp, the sight of ice and water overwhelms them. They are aligned exactly to the earth's latitude 90 degrees south, zero degrees longitude and are baffled with the expanse of nothing but an icy skull-cap surrounded by water and four small areas of what appears to be dry land. Referencing their astromaps for earth, they find that these four land sightings are: Africa, Australia, New Zealand and South America, orbiting the earth's southern pole in clock-wise rotation. But these land masses are so small, how could they possibly house enough hams to bombard Acrux with inexhaustible RF? Is it possible that earthly hams are not of the land, but rather the sea? Could it be that they have perfected underwater communications to the point that QSO'ing between Africa and New Zealand is so advanced that the signal strength is not diminished by water? It's quite evident from our analysis of this dxpedition site that earth hams are predominantly water inhabitants, using dry land as grounding anchors for their antennas.

We now see first hand what the earth looks like. From our observations, we can safely rely on our advanced technology and convince our government to fund this new underwater communications system. Our leaders will invoke the "Emergency Clause" of our Charter to insure that Acrux will regain supremacy in advanced communications. Receiving, detecting and translating alien SSB and CW is one thing, but transmitting through water is a must-do goal for us. This "Holy Grail" will become the focal point of our technical endeavor for decades to come!

The "seed" for this whimsical, pseudo-scientific story was found on page 28 of the July 1999 issue of QST magazine, where a picture of the earth is shown from a southern polar projection. The seed was germinated by some readings of Ray Bradbury many years ago, and the "Product Review" article in the cited magazine, page 57.

Kneading and massaging this information gave rise to this story as I read through the specs of Icom's new transceiver, a box that seems so technically exquisite and complete, the ugly microphone appears as a pimple on the downy cheek of a child. The blemish reminds me that we humans must operate this technical marvel. Will we be able to remember what button to push and when to push it? How will this all-purpose transceiver fit in with our mobile operations? Imagine dialing up frequencies and selecting modes while rocketing down I-17. Maybe our new "Holy Grail" should be - simplicity!

73's, Bob, K7KOL



TECH TIP FROM TONY

For Radio Shack HTX 202 owners. If you want to set up your handheld for DTMF decode, for the Litz system it will work if you only program it to the one digit only instead of the 5 that it is capable of.

The unit will stay silent until someone sends the tone, then it will break squelch and you will still hear part of the tone. I only have the 202 so I don't know if the 404 will work the same way, probably will.

WANTED: Looking for HTX 404 hand held. Anyone got one for sale?
Tony-W7PCU (520) 636-5268



From the FAQ (Frequently



Asked Questions) files

WHAT'S THIS RST and 5/9 REPORTS I KEEP HEARING ALL ABOUT?

R-S-T Signal Reporting System. The system was a way of reporting back one's signal report to include Readability, Signal Strength, and Tone. Originally used with CW, it included a report of the other stations tone quality. In voice contact reports, only the Readability and Signal Strength are reported.

Readability:

- 1 - Unreadable.
- 2 - Barely readable, occasional words distinguishable.
- 3 - Readable with considerable difficulty.
- 4 - Readable with practically no difficulty.
- 5 - Perfectly readable.

Signal Strength:

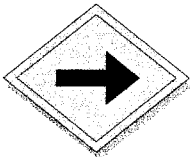
- 1 - Faint signals, barely perceptible.
- 2 - Very weak signals.
- 3 - Weak signals.
- 4 - Fair signals.
- 5 - Fairly good signals.
- 6 - Good signals.
- 7 - Moderately strong signals.
- 8 - Strong signals.
- 9 - Extremely strong signals.

Tone:

- 1 - Sixty cycle a.c. or less, very rough and broad.
- 2 - Very rough a.c., very harsh and broad.
- 3 - Rough a.c. tone, rectified but not filtered.
- 4 - Rough note, some trace of filtering.
- 5 - Filtered rectified a.c. but strongly ripple-modulated.
- 6 - Filtered tone, definite trace of ripple modulation.
- 7 - Near pure tone, trace of ripple modulation.
- 8 - Near perfect tone, slight trace of modulation.
- 9 - Perfect tone, no trace of ripple or modulation of any kind.

If the signal has the characteristic steadiness of crystal control, add the letter X to the RST report. If there is a chirp, the letter C may be added to so indicate. Similarly for a click, add K.

The above report codes recommended by A.R.R.L.



SAY WHAT?

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

"Why isn't the 6 meter band open all the time?"

Ham 1 "How come you changed your call sign?"

Ham 2 "I outgrew the old one!"

"Do you think tubes will ever make a comeback?"

"Why can't there be just one repeater that would cover the whole state?"

"There's so many nets on 2 meters, I can't check into all of them!"

"Boy, Field Day was great except when my radio fried!"

"Why isn't Field Day done when the weather is better?"

"Not as many people can get into that new repeater any more, but it sure works better!" (?)

"Waiting for 6 meters to open is like waiting for the check in the mail- it's on the way, you just don't know when it will get there!"

"By the time I wait for prices to drop, the equipment I want is obsolete!"



OTHER NEWS OF INTEREST

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

Hams Request New Bill Targeting Illegal Cbers. WASHINGTON, DC, Jun 23, 1999—Legislation to permit local authorities to crack down on illegally amplified CB transmitters is poised for reintroduction in the 106th Congress. According to an early draft of the bill being worked on by Rep Vernon Ehlers of Michigan, the new legislation would permit state or local governments to pass and enforce laws prohibiting unauthorized Citizen Band radio equipment. Direct enforcement of telecommunication matters is usually considered a federal responsibility, and state and local authorities ordinarily don't step in except in particularly serious cases such as interference with aircraft or police and fire communication.

As outlined in Part 95 of Title 47 of the Federal Regulations, illegal equipment would include CB gear that isn't type accepted, that has been internally modified, that exceeds transmitter power output limits, or that is equipped with an external power amplifier.

Ehlers says that he became interested in the issue when a group of amateurs in his district complained to him about CB enthusiasts using transmitters equipped with high-power linear amplifiers. The illegally amplified CB radio signals were interfering with legitimate ham radio gear, as well as with televisions, telephones and other consumer electronics. Ehlers' district is in the Grand Rapids area.

The bill is patterned after S. 608 introduced last session of Congress by Wisconsin Sen Russell Feingold and substantially modified at the ARRL's request to protect law-abiding Amateur Radio operators. The Feingold bill had been introduced at the request of municipal



authorities in Beloit, Wisconsin, who had been unable to stop illegal CBers driving Beloit residents crazy with RFI. Ehlers also introduced similar legislation last session.

The new Ehlers bill contains provisions specifying that possession of an FCC license in any service—including the Amateur Service—would preclude action by the state or local government. ARRL originally requested that section be added to the Feingold bill so that hams would not be inadvertently targeted by local authorities lacking the technical expertise to differentiate between amateur and CB gear. ARRL also requested that the bill require the FCC to provide technical guidance to states and municipalities and that it outlines an appeals mechanism for individuals affected by such laws. The ARRL changes were included in a draft of the Ehlers legislation League officials reviewed.—Steve Mansfield, N1MZA (From the ARRL Letter of 7/09/99)

Kids Day Follow Up. The June 19h Kids Day operating event was a bigger success than anyone might have imagined. Hams around the nation heeded the call and gave many of the nations youngsters their first look at the magic world of Amateur Radio. And the world was listening in as we learn from Australia's Graham Kemp, VK4BB:

Kids Day on June the 19th showed off Ham Radio to the next generation. If you have ever said we have to get more people into Ham Radio, Kids Day presented ample opportunity for U.S. Hams to put words into action.

Kids Day was started by Larry Tyree, N6TR under the auspices of the Boring Amateur Radio Club in Oregon.

During a January running of Kids Day more 400 youngsters took part at a fun on the air event that has grown tremendously popular in the last few years. Much like JOTA, but open to all kids. World Radio editor Rick Mc Cusker, WF6O of Sacramento, California printed brochures about Kids Day and distributed them in his neighborhood. He then threw a barbeque to feed the kids when they stopped by to make some QSO's. And Rick Painter of Tennessee had a similar notion. He invited a church youth group for pizza, soda and ice cream, plus a chance to step up to the golden microphone at the Kids Day Radio Party.

This was the last Kids Day of the 20th century. The next one is not that far away. It's slated for January, 2000. (Q-News via NEWSLINE 1141 6/25/99)

Outgoing QSLs top the 1-million mark: For the first half of 1999, the Outgoing QSL Service has mailed 1,025,390 cards. That's up 162,900—or 18%—from the same date last year.—Martin Cook, N1FOC (From the ARRL Letter of 7/14/99)

Oregon antenna bill signed into law: Oregon's Governor John Kitzhaber has signed Senate Bill 879 placing PRB-1 language into Oregon's statutes. Oregon's version contains 70-foot minimum height language similar to that of Wyoming's. The Oregon House approved the measure 53 to 3 after the Senate had passed it 26 to 0.—Bob Shelby, W7FPY (From the ARRL Letter of 7/14/99)

I want to thank all of the YARC hams that participated in the Frontier Days Parade on July 3rd. Eight took part in providing Public Safety Communications and two participated in the Parade. Thanks to KC7UNK, K6UWV, WB6ODR, WA6HJK, K7CJW, KC7TIN, KD7DSO, KB7TRE, W7PCU and WA6ZZJ.

Some ARRL Do's and Dont's for Public Service Communications...

DO:

- ◆ Enjoy yourself! Amateur Radio public service is fun. Prepare the night before. Make sure your batteries are charged and you take spares if needed. Have a clipboard with paper and pencils, gas in the car, miscellaneous spare parts you might need, maps if available. Know where you are going and when you must be there.
- ◆ Arrive on time the day of the event. If you are not familiar with the occasion allow extra time to get there. Checking the map the night before to plan your route will not guarantee that you turn correctly.
- ◆ Inform the event communications coordinator if you cannot make the event after agreeing to be there; the sooner this is relayed to the person in charge of amateur communications at the event the better.
- ◆ Introduce yourself to the person or people you will be working with at your station. Let them know who you are and why you are there.
- ◆ Stay at your post unless you are excused. Make sure both the NCS and the officials you are with know when to leave.
- ◆ Maintain a courteous, professional image. You may be working with several agencies including police, fire, first aid squads, National Guard, etc. Extend every possible courtesy to members of these groups. Make sure they know who you are, and what your communications capabilities are.
- ◆ Obey instructions of the Net Control Station. The NCS is there to respond to general queries from the net or from other amateurs on the frequency. Even with only a few operators involved, he is necessary to smooth functioning. Address requests to transmit to him and obey his instructions just as in traffic nets.
- ◆ Use tactical call signs. Checkpoint or unit numbers, or other special identifiers are legal, provided the station identification requirements are fulfilled. Use standard Amateur Radio operating procedure in all communications.
- ◆ Transmit as little as possible. Silence is golden! Speak as little as possible. Avoid excessive use of calls (once every 10 minutes is all that is required). "Net from Checkpoint 1" conveys much more information.
- ◆ Memorize the main operations frequency and alternate frequencies.
- ◆ Identify vehicles as amateur Radio Communications Vehicles. Operators should be identified, too. A call letter badge, ARES or RACES patch is sufficient. Use baseball caps with an ARES patch or the group logo.
- ◆ Keep transmissions as short as possible. Resist the tendency to ragchew or ramble.

DON'T:

- ◆ Leave the frequency unless the NCS knows. If you must leave early, the more advance this is known the better.
- ◆ OVER IDENTIFY!!! You need only identify your station at ten minute intervals

during a series of transmissions. However, don't jump into the net every ten minutes just to identify. For example, if you only engage in a short exchange of transmissions every half hour or so, you will fulfill the identification requirement if you ID at the END of each exchange.

- ◆ Apply first aid unless you are trained and certified to do so! Call for medical assistance, and an ambulance or medical personnel will be dispatched to your location.
- ◆ Transport an ill or injured person in a private vehicle. This is the job of the medics and the police. An emergency vehicle is properly equipped, and can get through traffic much faster than a private car.
- ◆ Offer more than you can deliver. You are NOT there to provide direct emergency assistance! You are there to communicate the need for such assistance to proper authorities.

The Yavapai County ARES/RACES net is held every Monday night at 6:45PM on the Mingus Mtn. 147.220+ repeater. If there are any questions I can be contacted at (520) 717-2706 or at wa6zzj@arrl.net for email.

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



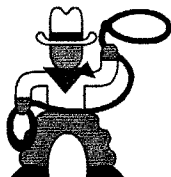
LOCAL AREA REPEATERS

52.560- 100.0 Hz	Mt. Union (-500KHz)
53.040- C/S	Airport (-1 MHz)
145.350- C/S	Wildflower Mtn.
145.370- C/S	Towers Mtn.
146.780- 91.5	Bill Williams Mtn.
146.880- 100.0	Prescott
146.980- 100.0	Flagstaff(Mt. Eldon)
147.000+ 100.0/162.2	Mingus Mtn.
147.140+ 162.2	Flagstaff(Mt. Eldon)
147.220+ C/S	Mingus Mtn.
223.960- 127.3	Chino Valley
442.150+ 100.0	Mingus Mtn.
442.350+ 100.0	Glassford Hill
449.175 C/S	Towers Mtn.

ADDITIONS, DELETIONS AND CORRECTIONS APPRECIATED

GOOD STUFF FROM CHINO BOB

Old age takes away from us what we have inherited and gives us what we have earned



When an anthropologist asks an Indian what they called America before the white man came, an Indian simply said, "OURS!"

Dogs come when they are called; Cats take a message and get back to you.

Big print giveth and the fine print taketh away.

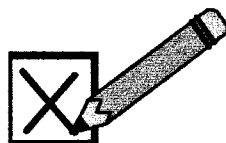
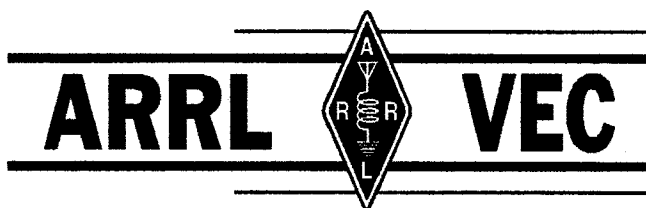
There are more lies told at a wake than in a courtroom.

Why is it you never hear of a man marrying a woman to reform her?

Most people learn the same thing about their gardens that Adam and Eve learned about their garden: Its best to follow instructions.

And finally... As the class listened sleepily, the teacher finished her morning announcements with "...and today is Groundhog Day." "Boy," whispered Johnny to a classmate, "Am I glad I brought my lunch!"

73 to all, Bob-K7CJW



Volunteer Examiner Testing

The remaining scheduled testing dates for 1999 are August 14 and November 13, at 10:00AM at the Blind Center, 440 N. Washington St, Prescott.

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 1999 will be \$ 6.45. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 541-1225.

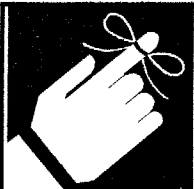
YOUR LOCAL PRESCOTT AREA VE's

AB7KE	Joan Tremper	AB7KF	Bob Nichols
AB7NK	Mary Miraldi	AB7VH	Ruth Enabnit
K7KOL	Bob Kane	KA7NGK	Don Broadston
KB7FRV	Leonard Beers	KC7AGL	Don Muller
AB7SK	Ginger LeGendre	KK7JH	Billy Peters
KG7OL	David Miller	KI7EB	Bill Thrift
KJ7DX	Matt Strandberg	KJ7KL	Pen Brown
KM6BF	John Wilson	N7VG	Vern Gregory
W2YAV	Bill Kafka	W7DC	Bob Harkey
W6HDP	Bill Jackson	W9KRQ	Dave Rutledge
W7HP	Jim Perrone	WB6ODR	Bob Smith

610 FORMS.

Believe it or not, I get 20-30 requests a year for 610 forms. I do have a supply of them in conjunction with the ARRL-VEC Test materials. However, I could spend a small fortune on postage and envelopes if I answered every request I get. In all fairness, if you or anyone has a need for a 610 form, send me a SASE and I will make every attempt to get one back to you as soon as possible. Thanks!

John Wilson-KM6BF



WEEKLY 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.

MONTHLY MEETING - 3rd THURSDAY @ GRANITE MTN MIDDLE SCHOOL 7:00PM (N 34° 34' 23.2" W 112° 29' 45.2")

NEXT MEETING THURS, AUGUST 19 @ 7:00pm



Wednesday Morning Breakfast-Iron Horse Café, S.

Hwy 89 in Chino Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:00am.

Informal-All are invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway

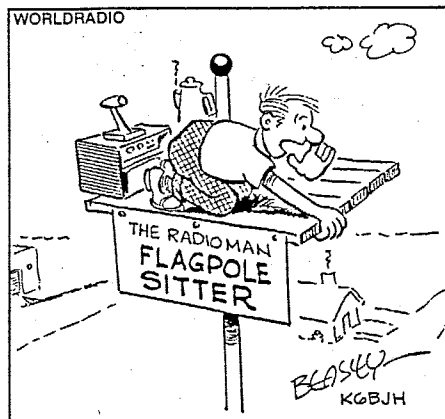
Shopping Center, Hwy 69 Prescott Valley. 8:00am. (N 34° 35' 13.3"

W 112° 19' 44.6") All are invited.

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

SOME CARTOONS COURTESY OF WORLD RADIO™ MAGAZINE

(A GREAT PUBLICATION-CHECK IT OUT!)



HEY MYRTLE, WILL YOU RUN HOME AND GET MY ANTENNA HANDBOOK--- I WANT TO SEE WHAT HAPPENS WHEN I LOAD A FLAGPOLE FROM THE TOPSIDE

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FORT TUTHILL HAMFEST

and

ARRL ARIZONA STATE CONVENTION

JULY 23, 24, 25, 1999