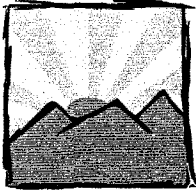


# The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB  
PRESCOTT, ARIZONA DM-34  
VOL 9 - No. 4 APRIL, 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.



## FROM THE DESK OF THE PRESIDENT

N7VOJ, N7VOJ, N7VOJ this is .....

This is the last call for Francis (Frank) Bennett, a silent key. Those of you that made it to the memorial service held at Embry Riddle's Davis Learning Center, by the way the place Frank taught his speech class, heard about a different Frank Bennett. Students, teachers, instructors and professors spoke about a quiet but rebellious man. His students told us about how he taught a subject with a style unlike any other. He wanted you to learn not only the subject matter but how to use it in real life. He enjoyed being with them and learning from them as well. Frank was an author and a poet. A couple of teachers read us one of his works. He wrote a paper to be given at a prestigious symposium in Sweden. A few weeks before he was to leave, he decided that the university should select a couple of students to present his paper, saying he'd done that already. Someone read a poem Frank had written. A professor told how Frank would listen to a different view and decide that he could incorporate into his life. Frank was a priest, a pilot, a parent, and a partner. He was a parent to the children in the neighborhood and the students at school. A friend and partner to those in need. It is obvious to me that Frank was a saint in our time. He loved people. He worked his magic on all of us by showing us how to live with ourselves and others. I never heard Frank talk ill of anyone. I never heard him raise his voice. I thank God that Frank pasted through my life. I only wish I could understand his death. Goodbye.....

N7VOJ this is KC7CBK

## FRANCIS BENNETT-N7VOJ, SK

Frank Bennett passed away March 23, 1999 at his home in Prescott, AZ. Frank taught speech and ethics at Embry Riddle Aeronautical University. The University held a memorial service on Friday, March 26th, in the Davis Learning Center (auditorium). As a member of this club, Frank established our web site.

"He was a soft spoken person but always eager to talk and to help. He lived alone except for his dogs. We all knew him but we didn't know him. I know I'll miss him." Lee Cunningham-KC7CBK

This months issue of the Yavapai Signal is dedicated to the memory of Frank and we all share in sending our thoughts and prayers to his family.

**YARC BOARD PROPOSES DUES INCREASE** The Board of Directors has suggested a dues increase for membership, to cover increasing costs of Liability Insurance, newsletter expense and distribution, and other costs. They also cited the fact that the club needs to have money available for future projects, which could include a club repeater, portable antennas, etc. The general membership voted in favor of increasing the yearly dues to \$20.00 per year, effective immediately.

**REPEATER OWNERS NEED NOT WORRY** Repeater license holders who are obeying the spirit of the Part 97 Amateur Service Rules need not worry that the FCC will do to them what it did to San Francisco's K7IJ repeater. It's not going to take their repeaters off the air.

Since the action last month that shut down the K7IJ Grizzly Peak machines, some repeater operators across the nation spurred on by (continued on page 2)

a small number of doomsayers have voiced their concern that they could be next. But that is not the case, and, in an interview with the ARRL, the FCC's Riley Hollingsworth, K4ZDH, says those who operate a cleanly run system have nothing to worry about:

"There is no cause for panic. We are looking at some repeaters. Some of the worst case scenarios. In this case we could not get in touch with the licensee. The control operator appeared to be from our monitoring and from complaints soliciting unlicensed operations and so forth. And with an apparently absentee owner and a control operator doing that it translates to a runaway repeater. But there is no cause for alarm out there. I think by in large the vast majority of repeaters are very good systems." Hollingsworth.

Hollingsworth indicates that the number of repeaters under FCC scrutiny is small in number. Also that they constitute only the most egregious rules violation cases, nationwide. (From FCC, ARRL and NEWSLINE #1126 3/12/99)



**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. There is a second 2-meter repeater on Mt. Francis on 147.040+ MHz and also requires a PL of 100.0 Hz. Also on Mt. Francis is the 447.650 repeater (-5 MHz and 107.2 PL) Coverage of the 3 repeaters varies, but both cover the local area quite well. Many thanks to Bill Kafka, W2YAV for the upkeep and use of the repeaters.

**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.



**UPCOMING EVENTS OF INTEREST**



April 17, 1999 March of Dimes Walk-A-Thon



May 1, 1999 CARA/SEARS Hamfest Cochise County Community College Sierra Vista, AZ



May 1, 1999 Whiskey Row Marathon



May 8, 1999 VE Testing, Prescott



June 25-26 Field Day



July 3, 1999 Frontier Days Parade



July 23-25, 1999 Fort Tuthill Hamfest/AZ State Convention Flagstaff, AZ



August 14 - VE Testing, Prescott

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



**WE GET LETTERS!**

Occasionally we receive correspondence worthy of reprinting for our member's benefit.

**SORRY. NOTHING IN THE MAILBOX THIS MONTH!**



**MARCH MEETING**

The Meeting was called to order at 7:04PM by President Lee Cunningham-KC7CBK, with 31 in attendance. The minutes of the February were read by Secretary Kris Bearscove-KC7UNK and were accepted as read. Club treasurer Fred Schefflette-KC7TIN reported that the club has \$695.95 and the refreshment fund has \$23.54.

**OLD BUSINESS.** Hal Tritel-N6OVE showed the signs he made for Terry's school club and ones for the March of Dimes Walk-A-Thon, which will be laminated.

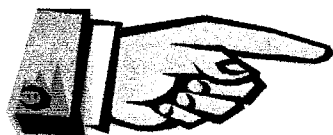
**NEW BUSINESS.** Lee Cunningham announced that the Board of Directors had met and is recommending a dues increase to cover increased operating costs and future projects. The membership voted unanimously to increase the yearly dues to \$20.00 effective immediately. Maher-KC7DSO has offered the use of his copy machine for the newsletter. The membership voted to change the July meeting date to the 22<sup>nd</sup> to allow Cliff Hauser-KD6XH of the ARRL to attend in conjunction with the Ft. Tuthill dates. Lee also mentioned that there are still a few committee positions that need to

be filled. The Road Rally coordinator will be Bob Rosevear-WB7RRQ and Maher-KD7DSO. Sign up sheets were passed around. Pen Brown-KJ7KL announced that the Training and Technical committee (he and Vern-N7VG) will give a presentation to the club on grounding at a future meeting. There was some discussion regarding e-mail distribution of the newsletter. Since most members do have e-mail capability, it may save postage costs. John Wilson-KM6BF stated that anyone using JUNO.COM for e-mail would not be able to use it for the newsletter.

**OTHER BUSINESS.** Terry Pemberton-KB7TRE introduced Paul Smith-WB6ULN and Paul Hicks-KD7EEN. Kris also introduced new club members Paul & Fran Schumacher (N7TUZ and KB7QNU) from Prescott Valley. Sig-WB9FOU stated that one of his QST magazines had been received torn up and in pretty bad shape. He called ARRL-HQ and was sent a replacement in about 2 weeks. Lee reminded everyone that they still need to put together their ham radio background, history, and any photos for the club. Someone mentioned that the Book-Nook in Prescott had 4 old ARRL handbooks for sale. Bob-WB7RRQ advised all members to use extreme caution when working on car batteries and showed the burn on his ring finger that occurred when a wrench touching his ring shorted to ground. (OUCH!) The meeting was adjourned for the refreshment break. The 50/50 raffle was won by Bill Jackson-W6HDP, who got \$20.50 and donated \$5.00 back to the club.

The program for the evening was a video about the Heard Island Expedition. It outlined all of the logistics and involvement that was necessary to carry out.

**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 only \$20.00 for 1 year. Newsletters will be mailed only to those

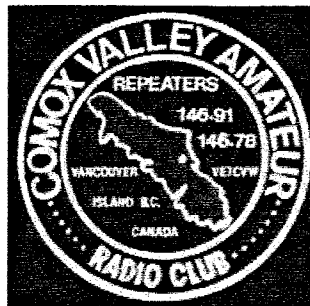
members not attending a meeting and current on dues. Those in arrears 3 months will be dropped from the membership list. Dues can be mailed to the club PO Box or given to the treasurer at any meeting.



### 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](mailto:km6bf@primenet.com)  
Occasionally we will have articles from other clubs newsletters:→



**FROM THE COMOX VALLEY (B.C., CANADA) ARC**  
**LAST PAGE EDITORS CORNER**  
First of all I must apologize for my tardiness in preparing this edition of the newsletter. Like many of us lately, I have been ill with the nasty virus making its rounds this winter. I can only wish a speedy recovery to those of you still suffering.

I regret to note another silent key in the valley. Andre Sponselee VE7NL passed away February 17.

The ham population of Cumberland has just increased by one with the move of Don Walkinshaw VE7DFN from Courtenay. We hope you enjoy your new QTH, Don. It pleases me to welcome another new young ham, Richard Crowder VE7SJR. Hope to hear you on the air soon, Richard.

Those of you who check in Tuesday evenings on the CVARC 2 meter net will note that young Adam VE7SBA is often net control. Congratulations on a job well done, Adam.

If you missed the January meeting, please read the revised proposal to upgrade the VE7RCV repeater. The committee came to the conclusion that our current club membership and anticipated funding do not allow for the purchase of a new repeater at this time. The revised proposal was passed by the members present. Funds presently in the CVARC repeater fund would be used. Members who have contributed to the repeater fund will be granted a return of their contributions if they wish. At time of printing, the parts are on order. Cyril and Gene hope to have VE7RCV back on Forbidden Plateau and operating on 146.91 in the Spring.

I am rather disturbed to notice the drop in paid-up membership so far this year. If you forgot to renew last Fall, I urge you to contact Cave and pay your dues. You still have the option of using "Snail Mail" to send your renewal cheque to the club's postal address. Remember, the strength of our club depends on the membership.

This is shaping up to be an interesting issue of the newsletter with Jack's article about his experiences in Puerto Rico and the return of Ray's VE7 DOT COM column. You's truly may even consider joining the DOT COM crowd. I recently acquired an old 386 that I'm using for my genealogy. However, I'm drooling over the goodies available in the new computers and what's available on the INTERNET. It's probably only a matter of time .... ~ VE7ATU



**Packet, its Alive**  
By Lee Cunningham-KC7CBK

Here are some of the other commands/parameters that you can use. CALibrate is used to set the transmitted audio level of the TNC, i.e. the tones sent to the radio. In this mode you use "K" to toggle the transmitter on and off. (continued on page 4)

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The letter "Q" is used to quit the routine. During your setup, you should calibrate the TNC. Connect a deviation meter between the dummy load and the radio you're using for packet. Adjust the TX LVL for an average deviation of plus or minus 3kHz.

CANline is used to define the characters used to cancel a line of a message before it has been sent. Holding the control (CTRL) key and the "x" key will cancel a line. The only time you should change CANline and the other parameters listed here is if you have a conflict. CANPac (CTRL+ Y) defines the characters used to cancel the whole message or packet before it has been sent. COMmand (CTRL+C) defines the characters used to change from the converse mode to command mode. You use the command mode to make changes to the parameters if you're not using a host type program, i.e. PCPackrat, Host Master II, or some such program. PASs (CTRL+V) defines the characters that signals that the next entry should be included in the message. For example if you want to start a new paragraph by using "enter" twice to add a line space between paragraphs, use (CTRL+V) then enter, (CTRL+V then enter. SENDpac (CTRL+M) define the character used to send the message or packet in addition to the "enter" key.

STARt (CTRL+Q) defines the characters used to restart the output of the TNC to your computer after using STOp (CTRL+S). You might use these commands to stop and start a list of bulletins so you could read the message number. The same thing could be done using the scrollback or flashback functions. Xoff (CTRL+S) defines the characters used to stop data transfer to the TNC. XON (CTRL+Q) defines the characters used to start data transfer to the TNC. You'll notice the same commands are used to stop and start data transfer to or from the TNC.

If you have any questions or comments about packet, please call me at (520)771-2055 or e-mail at leeco1@juno.com or via packet, KC7CBK



### FROM THE PAST-PRESIDENT

QC QC de LOK7K

Dateline: Owensboro, KY. (Arizona Republic 3-28-99) Knight Ridder Newspapers. Myrna Dantic said her car and her cellular phone go hand in hand – she couldn't do her job without both. Dantic, a real estate agent said, "our cars are our office", and using a cell-phone in the car is no more dangerous than driving with a cup of coffee. In Brooklyn, Ohio though, the local legislature has ruled that talking on a cell-phone while driving is risky; risking life and limb of the loquacious driver and pristine bystander. The lege now considers driving and drivel via mobile phone a No-No. No punishment or costs were cited in the article.

ps: Radio Shack catalog nr. RSU11437324 is a boom mike with headset and sells for \$49.99. (1996)

Dateline New York Times 3-21-99 by Stephen Kuusisto: If you're like most folks, you've probably fingered the raised Braille dots on elevator floor buttons. And, you've probably marveled at the

ability of sight-less persons to communicate by touch; about the same way I marvel at the ability of truly Extra class hams communicating via CW. The video we saw at our last meeting of the Heard Island expedition, with hams communicating at unbelievably rapid CW speeds graphically depicts our specie's ability to share ideas and information when we really focus on rapid communications.

The blind though, are losing Braille technology because computers are replacing the geometrically placed dots with the spoken word. Who of us in the sighted world would deny that the printed word is more conveying and authoritative than a series of raised welts? The blind are demonstrating through their advocates that Braille is buried, replaced by computerized reading machines. Approximately 10% of the blind read Braille today, a fact that has many blind advocates worried; worried that Braille will soon be as foreign to the blind as hieroglyphs are to us. Many blind people argue that machine reading is really illiteracy: by relying on microchips or audiotape, the blind become dependent. Braille, on the other hand, gives the blind instant contact with language. No batteries required!

But – most blind children go to public school today and don't learn Braille. In a digital age, why waste resources teaching some-thing so outdated? Braille is bulky. An average Braille edition of a book looks like a sofa cushion. Compare that to a 3-½ inch floppy! Listening with your ears is more efficient than "reading" with your skin.

Does the above philosophical and technical conflict sound familiar? There are warriors on both sides of valid viewpoints, but the "newbies" will decide the war!!

My thanks to Knight Ridder Newspapers and Stephen Kuusisto of the New York Times for resource information.

73"s, Bob Kane, K7KOL Past President, YARC



From the FAQ (Frequently



Asked Questions) files

### HOW DO I GET THOSE ARRL AWARD CERTIFICATES?

(Part 1 of 2)

Awards chasing is one of the most exciting facets of Amateur Radio operating. It's a major motivating force of so many QSOs that occur on the bands day after day. Indeed, it's a vital aspect that – if you want it – makes each and every radio contact a key element in your present or future Amateur Radio success. So transform those QSOs into beautiful certificates or plaques for your ham-shack wall!

Aside from the fun of operating itself, awards chasing is also a good

way to get maximum performance from your station, become familiar with propagation, and even learn about the geography, history or culture of places near and far. The League sponsors some of the more popular operating awards (if you are in the US and Possessions, Canada and Puerto Rico, you must be a full-fledged League member to participate), and the following is a brief summary of what ARRL has to offer.

**Rag Chewers Club (RCC)** Novice, Technician or Extra -- start off right, where just about every awards hunter begins, with the Rag Chewers Club certificate, which encourages friendly, meaningful contacts, rather than the impersonal hello-goodbye QSO. "Chew the rag" for at least 1/2 hour, and report that QSO to HQ, and enclose a fee of \$3.00. Your Rag Chewers Club certificate will be sent to you by return mail. Your first contact as a licensed amateur could earn your first award!

**Worked All States (WAS)** The Worked All States award is just what it says: Work and confirm all 50 states. Aside from the basic certificate for any combination of bands/modes, specialty certificates are issued for a variety of different bands and modes such as Satellite, 160 meters, SSTV, RTTY, each VHF band. Available endorsements include SSB, CW, Novice, QRP, Packet, EME, and any single band except 30 meters. Cards are checked by a volunteer ARRL HF Awards Manager affiliated with ARRL Special Service Clubs (although QSL cards can be checked at HQ, absent an awards manager). See the award rules for more details. To encourage increased activity and station improvement throughout the bands, the 5-Band WAS certificate (and plaque) is available for working all states on 5 amateur bands (except 10/18/24 MHz). Cards for 5BWAS can be checked by your local HF Awards Manager or at ARRL HQ.

Once you've gotten your WAS or 5BWAS award, you can announce it to the world with a WAS or 5BWAS pin!

**DX Century Club® (DXCC®)** The DX Century Club is the premier operating award in all of Amateur Radio. As described in our DXCC page, the basic certificate (which can be obtained in several categories -- mixed modes, phone, CW, RTTY, Satellite, 160, 80, 40, 10, 6 and 2 meters) is awarded for working and confirming at least 100 entities on the ARRL DXCC List. Endorsements are available in specific increments beyond the 100-entity level, culminating in the coveted DXCC Honor Roll, for those at or near working them all! DXCC qualifiers are also eligible for a DXCC lapel pin, available at a nominal charge. Further DX Century Club information is available at <http://www.arrl.org/awards/dxcc/>.

For those who enjoy the thrill of the hunt on more than one band, the 5-Band DXCC can be earned for working 100 entities on 80, 40, 20, 15 and 10-meter bands. 5BDXCC is a good test of the DXer's operating abilities, but is well within the reach of all of those willing to work for it. 5BDXCC qualifiers receive a handsome certificate and are eligible for a very attractive plaque. The 5BDXCC award is endorsable for the 160, 17, 12, 6 and 2-meter bands.

Please address all DXCC email correspondence to [dxcc@arrl.org](mailto:dxcc@arrl.org).

**VHF/UHF Century Club (VUCC)** The VHF/UHF Century Club is one

of the League's newer awards, for working and confirming V/UHF contacts in 2° x 1° grid square locators on all V/U/SHF bands from 50 MHz to 300 GHz. Satellite and Laser contacts count, too. Individual certificates are issued per band to those meeting initial qualifying levels, with an extensive endorsement program beyond the initial certificate. All cards must be checked by ARRL VHF Awards Managers -- contact HQ for the Awards Manager near you. A VUCC lapel pin is available at a nominal charge. Further VHF/UHF Century Club information is available at <http://www.arrl.org/awards/vucc/>.

Please address all VUCC email correspondence to [vucc@arrl.org](mailto:vucc@arrl.org).

**How to Get Forms.** Official application forms are required for WAS, DXCC, VUCC, Friendship and WAC. Forms are available electronically from several sources:

**From ARRLWeb** Forms for the Friendship Award, WAC, WAS and 5-Band WAS are available for download.

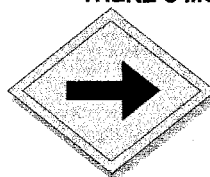
**From the ARRL Internet Infoserfer** Send an e-mail message to [nfo@arrl.org](mailto:nfo@arrl.org). Put in any subject (it is ignored). Enter the following text in the body of your message:

HELP  
INDEX  
QUIT

**From ARRL Special Requests** Send your request with a business-size self-addressed stamped envelope (SASE) to

**SPECIAL REQUEST  
ARRL Headquarters  
225 Main Street  
Newington, CT 06111**

THERE'S MORE-TO BE CONTINUED NEXT MONTH



SAY WHAT?

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

"I think the ham band should be expanded so we could talk to more people."

"I sent my new HF rig back because I failed my upgrade exam!"

"Will there ever be a time when anyone can get on ham radio?"

"I don't get on the radio much. My 2 meter radio is nothing but an expensive scanner!"

"I heard somebody testing on 2 meters the other day, but nobody answered him."

"I'd like to be able to squelch out certain people on the repeater."  
 "I can't get into that repeater very good. I think they should move it closer to my house!"  
 "I can't go to the weekly breakfast any more. I'm on a diet."  
 "I f my wife passes her ham test she'll never talk to me again!"  
 "Learning that code is like a foreign language and I don't speak one!"  
 "This ham radio is like a cellular phone, but free!"



**OTHER NEWS OF INTEREST**

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



**Ham radio, Great Circus Train back on track:**

Amateur Radio will be back on board when the Great Circus Train makes its annual run

between Baraboo and Milwaukee, Wisconsin, this summer. Last summer, the hams were left at the station after the circus train's sponsor, Circus World Museum, cited "severe space limitations" and opted to accept an offer of communication services from a cellular provider. This year, special event station W9R will operate on HF from aboard the train during its annual journey, July 2-5. Current plans call for operation on 40, 20, and 15-meter SSB. Members of the West Allis Radio Amateur Club will operate special event station W9C from the show grounds once the train reaches Milwaukee. Ham radio first rode the rails with the circus train in 1965. ARES members aboard help handle communication along the route and, once in Milwaukee, at the show grounds and for the circus parade.—thanks to Jim Romelfanger, K9ZZ (From the ARRL's ARRL Letter of 3/19/99)

**HAM TRADER YELLOW SHEETS QRT:**

After 38 years in business, the Ham Trader Yellow Sheets will cease publication. The twice-monthly classified publication is being absorbed into the Amateur Radio Trader, according to an announcement in the last edition of the Yellow Sheets. "It has been increasingly difficult to continue to provide the reliability and low cost that we always have in the past," said a statement from Founder and Editor Al Brand, and Publishers Dave and Barbara Brand Wixon. Yellow Sheets subscribers will automatically get an Amateur Radio Trader subscription, while the subscriptions of ART subscribers who also subscribed to the Yellow Sheets will be extended. Amateur Radio Trader of Crossville, Tennessee, is published by TAP Publishing. (From the ARRL's ARRL Letter of 3/19/99)



**BACKGROUND ON THE YEAR 2000 PROBLEM**

In the 1950s and 1960s, computer programmers, in order to reduce the need for expensive computer memory, developed the convention of storing dates using only two digits for the year. Thus, 1967 was represented as "67." While many programmers realized that this convention would not work for years after 1999, they assumed that the software they were writing would be obsolete and replaced long before the "Year 2000 Problem" became serious. Unfortunately, they were wrong, and today much of the mission-critical software that companies and individuals rely upon still uses this convention. As a result, it may no longer function properly after December 31, 1999. In some cases, the software will continue to work, but it will generate spurious data that may not be detected for months or even years. This problem has already been cropping up. Banks have had to correct loan processing software that could not calculate ten-year loans because it couldn't tell the difference between 2003 and 1903. Recently, a merchant sued a credit card company for issuing credit cards with expiration dates in 2000, which his point-of-sale credit card reader could not process.

It is also possible that problems will develop as soon as next year because some programmers wrote programs that interpreted the year "99" or the date "09-09-99" to execute special actions or to mean that the program was to terminate.

Fixing old software systems requires programmers to go line-by-line through millions of lines of code to correct the way their software calculates dates. In some cases, computer chips have the Year 2000 problem hard-wired in and will have to be replaced. Many companies are simply replacing their systems with new "Year 2000 compliant" software and hardware.

The Year 2000 problem has been described as the greatest challenge ever to face information system managers. The Gartner Group estimates the total worldwide costs of fixing the problem, including the cost of new upgraded software, will be between \$300 and \$600 billion. As much as 20 percent of the cost could be related to communications systems. Others have estimated that the costs of lawsuits stemming from disruptions caused by the Year 2000 problem could be at least as much. It is possible that companies in a wide range of businesses could go out of business either because of the added expense of dealing with the problem or because they fail to take the necessary steps and lose business as a result.

Unfortunately, there are a limited number of programmers with the skills needed to debug old software and there is no way to get an extension on the December 31, 1999 deadline.

While the seriousness of the Year 2000 problem has been recognized by computer experts and information system managers for more than 15 years, in most companies only in the last year or two has it been taken seriously at the CEO level. The recent spate of press reports has brought the issue to the attention of the general public. (From the FCC)

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### FCC SAYS RECIPROCAL PERMITS NOW "PAPERLESS"

The FCC is advising applicants for reciprocal operating permits that an application is no longer required. Under new ULS rules that took effect February 12, the FCC Form 610A has passed into history. The new rules also will pave the way for US hams to more easily operate in most of Europe. The FCC is expected to issue a Public Notice in the near future that will spell out the details.

Alien visitors to the US holding an amateur license issued by their home country may operate in the US without submitting any FCC paperwork—provided that a reciprocal operating agreement is in effect between the two countries. The only documentation required is proof of citizenship and an Amateur Radio license issued by the country of citizenship. These arrangements are similar to longstanding arrangements between the US and Canada.

The new rules move the US a step closer to participation in the licensing arrangements of CEPT, the European Conference of Postal and Telecommunications Administrations. The US State Department applied for US participation in 1997, and the request was approved in early 1998. Completion of the final steps to make this a reality is understood to be imminent. These include formal US notification to the European Radiocommunications Office that it is prepared to carry out its responsibilities under CEPT Recommendation T/R 61-01, and the issuance of a Public Notice in English, French and German.

Under the CEPT arrangements, a US Technician licensee will be recognized as holding the equivalent of a CEPT Class 2 (VHF-only) license. Holders of Tech Plus through Extra tickets will have the full HF and VHF privileges of a CEPT Class 1 license. Novice licensees will not be eligible.

Additionally, the ARRL has informed the US State Department that it plans to go forward in April with arrangements to issue International Amateur Radio Permits to US hams in accordance with the CITELE Amateur Convention, signed by several countries in the Americas. The League has offered its services to issue IARPs to US hams. An IARP is not a license, but it certifies the existence of a license.

The new rules will not change the procedures for US hams wishing to operate overseas in countries that are not CEPT members or CITELE Amateur Convention signatories. (From the ARRL's ARRL Letter of 4/02/99)



The Yavapai County ARES/RACES net is held every Monday night at 6:45PM on the Mingus Mtn. 147.220+ repeater.

A good turnout was had at the Training Meeting held March 27th in the Prescott City Hall conference room. 30 amateurs attended from all parts of Yavapai County. Training was given on Message Handling, Use of Tactical Call Signs, Packet, Uses of APRS (Automatic Packet Reporting System) and an update on Y2K plans

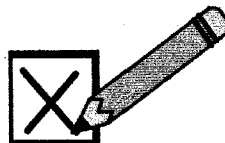
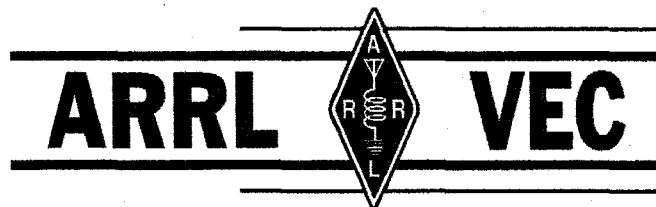
with the City of Prescott. Thanks to everyone who attended. The March of Dimes Walk America is all set to go. I will be handing out the information at the April meeting. 12 amateurs have signed up to help on this event.

I still need amateurs to sign up for the Whiskey row Marathon Saturday May 1st. 12 have already signed up, but we need 15 to 20 for a smooth operation. All help will be greatly appreciated. We are having a meeting with the YMCA to finalize plans this next week. This is a major event for Prescott so lets all chip in and give a hand..

Upcoming events will be a tentative Training Meeting for June 5th to be held in Cottonwood and the Frontier Days Parade on Saturday July 3rd.

If there are any questions I can be contacted at (520) 717-2706 or at [wa6zzj@northlink.com](mailto:wa6zzj@northlink.com) for email.

Lloyd Halgunseth, WA6ZZJ  
Yavapai County DEC/RO



### Volunteer Examiner Testing

The tentative remaining testing dates for 1999 are May 8, August 14 and November 13, all Saturdays 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!)

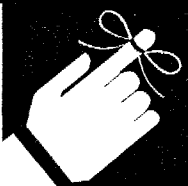
Special test sessions may be accommodated according to demands, as needed. The test fee for 1999 will be \$ 6.45. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 541-1225.

#### 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     |
| KI7MA  | John Dawson     | 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       |



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CLUB MEMBERS CAN LIST THEIR  
EQUIPMENT HERE FREE.**



**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, MAY 20 @ 7:00pm**



Wednesday Morning Breakfast-Iron Horse Café, S. Hwy 89 in Chino Valley (N 34° 43' 56.5" E 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. All are invited.

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

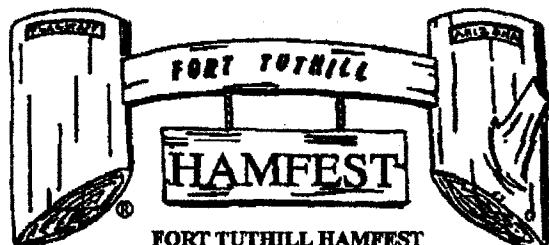
## SOME CARTOONS COURTESY OF WORLD RADIO™ MAGAZINE

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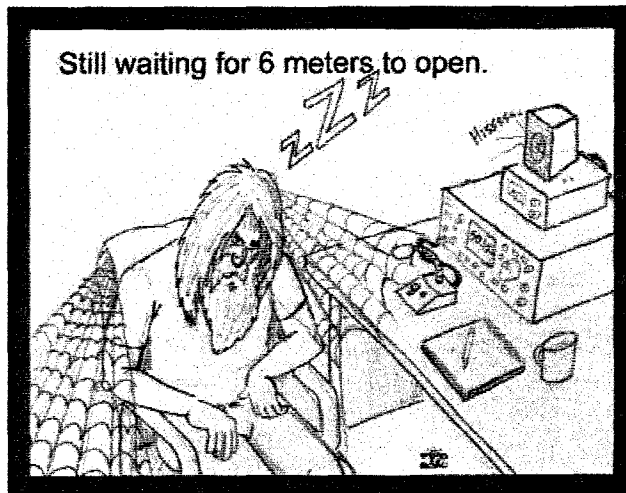
**YAVAPAI AMATEUR RADIO CLUB  
PO BOX 11994  
PRESCOTT, AZ 86304**

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<http://yarc.pr.erau.edu/~yarc>



**FORT TUTHILL HAMFEST  
and  
ARRL ARIZONA STATE CONVENTION  
JULY 23, 24, 25, 1999**



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