

PRESCOTT, ARIZONA

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THE YAVAPAI SIGNAL



SAREX CONTACTS SUCCESSFUL

Ham radio has had a very prominent role in the shuttle Columbia mission STS-94, which continues until July 17. So far, the STS-94 crew -- which includes three hams -- has racked up 13 successful SAREX contacts with school groups as well as random QSOs with earthbound hams. Aboard the shuttle are Jim Halsell, KC5RNI, the mission commander; Janice Voss, KC5BTK; and Donald Thomas, KC5FVF, and the crew has been quite enthusiastic about ham radio on this mission. Case in point: KC5FVF, set up the orbiting ham shack and completed 19 random contacts before the "official" scheduled test pass.

A total of 17 schools, including one in the People's Republic of China, are scheduled to talk with the astronauts via Amateur Radio. During the earlier STS-83 mission, Columbia's premature return to Earth postponed all scheduled SAREX QSOs. Most were rescheduled for this "refly" mission, STS-94.

On Tuesday, July 8, pupils at Mountain View Elementary in Dewey, Arizona, started their day with a very nice chat with Halsell, via the station of Dave Boone, AB7JA. For most of the pass, signals were quite strong. Approximately 100 people were in attendance, and six students got to ask 11 questions. Several news media representatives were present and a local radio station did a simulcast of the QSO.

(from the ARRL's ARRL Letter)

AVE AMATEUR ARE IS 52
OTHER COUNTRIES 36

FCC TO OPEN VANITY GATE 3

The long wait is over for Advanced class amateurs. The FCC has just announced that it will open filing Gate 3 of the Vanity Call Sign Program on Wednesday, August 6, 1997. Advanced class hams will be able to apply for a call sign appropriate to their license class on or after that date. Applicants must file either a paper FCC Form 610V or electronically via the FCC's Web site at <http://www.fcc.gov/wtb/amradsrv.html> and pay the current \$30 fee.

The August 6 deadline squeaks under the implementation of the FCC's new fiscal year 1997 fee schedule, adopted June 16. Under the FY 97 schedule, which becomes effective September 16, 1997, the vanity application fee will jump to \$50. The ARRL had asked the FCC to suspend implementation of the higher FY 1997 fee until after the remaining gates have been opened and applicants had an opportunity to file under the old schedule. The FCC's response, buried within the Report and Order adopting the higher fees, suggests the FCC could also be planning to open Gate 4 fairly soon. "We expect our remaining vanity call sign 'gates' to open before the effective date of our FY 1997 regulatory fee payment requirement," the FCC said in turning down the request for a delay. But, the FCC added that applicants "are expected to pay the fee applicable at the time they file."

The bottom line is that hams applying for a vanity call sign on or after September 15 must pay the \$50 fee.

Payment of fees may be made by check (payable to FCC), bank draft, money order or credit card. If paying by credit card, you must also complete and submit FCC Form 159 with your FCC Form 610V. Do not send cash. Send your application package to: Federal Communications Commission, Amateur Vanity Call Sign Request, Box 358924, Pittsburgh, PA 15251-5924

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IMPORTANCE OF AMATEUR RADIO

THE YAVAPAI SIGNAL - JULY, 1997

If you file a paper application, remember that legibility is critical! If your application is not able to be deciphered easily by FCC personnel, you could experience a delay in processing, lose the opportunity to obtain a requested call sign or even obtain a call sign different from what you want. Be sure to include your current Amateur Radio call sign on your vanity application.

Under Gate 3, you must hold an unexpired Advanced class operator/primary station license to request a vanity call sign for your primary station. To request a vanity call sign for a club station under Gate 3, you must also hold an unexpired club station license grant listing you as the license trustee. Applicants should refer to the licensee database to verify that a requested call sign is not already assigned. A call sign is normally assignable two years following license expiration, surrender, revocation, set aside, cancellation, void ab initio, or death of the grantee.

Using Form 610V or its on-line electronic equivalent, applicants may request up to 25 call signs in the order of preference. The first assignable call sign on the list will be the one the FCC assigns. Remember: When requesting a call sign under Gate 3 for your primary or club station, the call sign must have been unassigned for at least two years. As an Advanced class operator, you may request a call sign only from groups B, C or D.

Any call sign requested must be one designated for the region of your mailing address, as follows:

- One of the contiguous 48 states: Regions 1 to 10.
- Alaska: Regions 1 to 11.
- American Samoa: Regions 1 to 10, or Region 13 having numeral 8.
- Commonwealth of Northern Mariana Islands: Regions 1 to 10, or Region 13 having numeral 0.
- Guam: Regions 1 to 10, or Region 13 having numeral 2.
- Hawaii: Regions 1 to 10, or Region 13 having numeral 6 or 7.
- Puerto Rico: Regions 1 to 10, or Region 12 having numeral 3 or 4.
- Virgin Islands: Regions 1 to 10, or Region 12 having numeral 2.

For explanations of Groups B, C and D and the geographic regions, see Fact Sheet PR5000 Number 206S, Amateur Station Sequential Call Sign System (or see The ARRL Letter Electronic Update, August 16, 1996, available on the ARRLWeb at <http://www.arrl.org/>). For more information on the vanity call sign program, see Fact Sheet PR5000 Number 206V Amateur Station Vanity Call Sign System.

If you file before the opening date or do not qualify under the Gate 3 eligibility standards, your application will be dismissed. General, Technician Plus, Technician, and Novice class operators will become eligible to request vanity call signs under Gate 4. The FCC has not indicated when it plans to open Gate 4.

For further information, contact the Consumer Assistance Branch at 800-322-1117 or call the FCC's National Call Center, 888-225-5322 (CALL FCC).
(from the ARRL's ARRL Letter)



UPCOMING EVENTS.

Many Club members participate in local events providing communications for local events. It's an excellent opportunity for members to get out and test your portable operating capability and have some fun at the same time. As these events near, announcements will be made on the Wednesday night NET and in the newsletter.

OTHER UPCOMING EVENTS OF INTEREST

- ARRL UHF All-Mode Contest 02 August 1800 to 03 August 1800. 222 Mhz & up exchange Grid Squares. See QST for details
- North American QSO Party (CW) August 2-3
- North American QSO Party (PHONE) August 16-17
- HANDI-HAM Activity Day 30 August 1200-2400 See WORLD RADIO 8/97 for details



June Meeting. The meeting was called to order by President Bob Kane-K7KOL at 7:03 PM. Visitors were Ann Kane and Janet Halgunseth. Minutes of the last meeting were read by Judy Rosevear-KC7MTY, Treasurer. A motion was made, seconded, and the minutes will stand as read. Treasurer's report was given by Judy Rosevear. In the bank account we have \$176.65 and in the refreshment fund is \$111.25.

OLD BUSINESS The liability insurance for YARC has been renewed for one year. We need to carry this insurance to cover anyone getting hurt at a meeting or function.

Field Day is June 28 and 29. It will be held at Dr. Bob Nichols-AB7KF ranch in Coyote Springs along with the

members of the Verde Valley Amateur Radio Club. Everyone is invited.

The SAREX Project is going to take place on July 8 at 9:11AM. Lee C8unningham-KC7CBK is getting Mountain View School set up, once again. There will be a work crew at the school on June 24 at 7:00AM. Also needed are radio operators and a computer operator for the 8th.

County Fair is Thursday September 18 through Sunday September 21. The fair officials are not sure if they will let YARC put up an antenna yet. The cost of having the booth is \$50.00. A motion was made to table this happening until Bob and Lee find out about the antenna. This will be brought up at the July meeting for a vote as to whether the club does this.

Paul Hurt at KNOT will advertise any events that YARC is involved in on the radio.

NEW BUSINESS. Cliff Hauser called Bob Kane and asked if the club would postpone their July meeting until the 24th. Cliff and Mr. Fried Hein, ARRL Southwest Division Director, will be in Prescott and want to attend our meeting. They will then go on to the Hamfest in Flagstaff, (July 25, 26, & 27) the next day. A motion was made to move the meeting to the 24 and passed.

The monthly drawing was made and \$22.00 was won by Matt Strandberg-KJ7DX. Two antennas were also given away by a drawing as well. The meeting was adjourned at 7:40PM.

Dr. Bob Nichols was the guest speaker for the evening. He showed slides of his medical clinic in Mexicali, Mexico and the work that the doctors are doing for the citizens there.

Respectfully submitted by Judy Rosevear, Treasurer, in the absence of the Secretary.



MEETING PROGRAMS. HELP!

If you would like to make a presentation to the club, please contact Bob Kane-K7KOL the program chairman.



THE NEWSLETTER.

If any of you have anything within the scope of the hobby or closely related subjects worth sharing, let us know. The deadline is the Friday before the monthly meeting. Submission by FAX/MODEM is possible and very easy!

Updated club membership rosters will be included periodically.



Club officers for 1997 are:

President - Bob Kane-K7KOL
 Vice President - Lloyd Halgunseth-WA6ZZJ
 Secretary - Bob Rosevear-WB7RRQ
 Treasurer - Judy Rosevear-KC7MTY
 Board Member-Past President - Matt Strandberg-KJ7DX
 Board Members - Bob Rosevear WB7RRQ, Terry Pemberton KB7TRE, Frank Horneff WA6JBV, and Jerry Sager KG7ZF



Several club members also function in capacities that serve to benefit the club, the membership and the community.

They are as follows:

Emergency Services Coordinator: Lloyd Helgunseth-WA6ZZJ
 Greeter: Jerry Sager-KG7ZF
 Membership Services: Bob Rosevear-WB7RRQ and Terry Pemberton-KB7TRE
 Newsletter: John-KM6BF Editor & Publisher
 NET Control: Dale-N7XFD
 Refreshments: David Passel-K6UWV
 Programs & Entertainment: Bob Kane-K7KOL
 Publicity: Judy Rosevear-KC7MTY
 Training & Technology: Vern Gregory-AB7DY
 Volunteer Examiner Testing: John-KM6BF and Dave-W9KRQ



CLUB REPEATER.

The local 2-Meter repeater on 147.040+ (100.0 PL), is the official adopted repeater for the YARC. If you don't have PL, transmit on 147.040 after the repeater drops out. Many thanks to Bill Kafka-W2YAV for the upkeep and use of the repeater.



PRESIDENTS CORNER

"How do you brush your teeth in space?" This question by 4th grader Karli Preston of Mountain View Elementary School was radioed to NASA Shuttle Commander James Russell on the morning of July 8, 1997. Through the efforts of Karli's teacher, David Boone (AB7JA) and the Yavapai Amateur Radio Club's Lee Cunningham (KC7CBK) and his technical crew, a memorable conversation was held.

STS-94. the designation for the shuttle flight commanded by Jim Hasell (KC6RNI), passed over Arizona at about 0845 MST giving the students a 5 minute window in which they could communicate via 2-

meter radio with the astronauts 100 nautical miles above. Commander Hassell radioed the answer to Karli's question; "I have to spit a little Kleenex, otherwise the toothpaste would float around the cabin!" A down-to-earth solution to a gravity-less problem!

Karli's question was followed by questions from 5th grader Josh O'Malley; "How hot is the shuttle during re-entry?" Answer: "75 degrees inside, 3000 degrees on the shuttle skin." From 5th grader Danielle Whorton: "What was your biggest problem in space?" Answer: "The false alarm fuel cell fire indication on the previous mission which called us back to earth early."

Six students from the 4th, 5th, and 6th grades were selected by the Mountain View PTA and faculty. 6th grader Bryan Sebring asked if the astronauts could see any planets in space and was told yes, just as on earth. Kate Whittum of the 5th grade wanted to know what studies women had to take to be astronauts, and Cdr. Halsell answered; engineering, English, math and lots of science courses. 6th grader Ryan Kasper wanted to know how the crew entertained themselves during the long flight and was told that books and CD music helped fill in the break times. One question asks was: "How do you sleep in weightlessness?" The crew's answer was to just go to a dark sleep cubicle, strap yourself in so you don't float away and go to sleep. Lying down is kind of tricky when you're not sure what's up and what's down!

The students presented mature and searching questions to the orbiting crew, pleasing the audience of 60 people. Satisfied smiles on the faces of parents and faculty was emblematic of the adult pleasure. The complexity and planning required for these students to communicate via amateur radio with astronauts speeding by at 5 miles per second at an altitude of 190 miles was not lost on the media either. Four TV stations, one radio station, and one newspaper representative attended the event, video-taping, broadcasting live, and reporting about what took place. The distinctive yellow signature shirts worn by club members was evident in the evening news later in the day.

The Yavapai Amateur Radio Club can feel well-earned satisfaction for the financial and technical support we provided and be proud of contributing to this successful, exclusive, trophy QSO. Only 16 schools world-wide participated in this milestone contact and our local students pulled it off because we helped.

Kudos to Lee Cunningham and his team of technicians from the club and community. Many thanks to all who gave.

73, Bob-K7KOL



From the FAQ (Frequently Asked



Questions) files

FREQUENTLY ASKED QUESTIONS ABOUT SAREX

HOW MAY I TRACK THE SHUTTLE WITH A COMPUTER?

A number of software packages are available for tracking the shuttle on a personal computer. Here are just a few options (ARRL in no way warrants these products or services):

AMSAT Tracking Programs. The North American branch of the Radio Amateur Satellite Corporation (AMSAT-NA) makes available a variety of computer programs of interest to the amateur satellite user. These easy to use programs are perfect for the serious Amateur Radio space enthusiast or beginner. Programs are available for IBM, Macintosh, Apple, Commodore, and other computers. Contact AMSAT for current prices and details:

AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, MD 20910-4703
Phone (301) 589-6062
FAX (301) 608-3410
email martha@amsat.org

AMSAT also has a collection of free software for download:

World Wide Web <http://www.amsat.org>
Anonymous FTP <ftp://amsat.org>

STSPLUS (Shareware for IBM). This software was designed by David Ransom Jr. The program allows the user to track an orbiting space shuttle or satellite. Excellent graphics and maps help to create a mock Mission Control Center. Look for STSPLUS and other tracking software posted on Spacelink, NASA's electronic information system:

Spacelink Modem line (205) 895-0028 Terminal emulation VT-100, Data format 8-N-1

World Wide Web <http://spacelink.msfc.nasa.gov>
Gopher, Anonymous FTP, and Telnet
spacelink.msfc.nasa.gov

TCP/IP address 192.149.89.61

Satellite tracking software may be found in the following Spacelink directory: Instructional.Materials/Software

OrbiTrack (MacIntosh).
BEK Developers
PO Box 47114
St. Petersburg, FL 33743-7114
email (Bill Bard) 75366.2557@compuserve.com

SatTrack (MacIntosh).
Mike Pflueger, WD8KPZ
6207 W. Beverly Lane
Glendale, AZ 85306
FTP sumex.stanford.edu

SatTrack can be found in the following directory: /info-
mac/application

Tracking Via the World Wide Web. World Wide Web sites offer unique ways to predict shuttle and satellite passes via the Internet. Check out the following WWW sites:

Lou Williams, KE4ARM
<http://www.acs.ncsu.edu/HamRadio/>
Terry Jones, NZ8C <http://www.datasync.com/~nz8c>

WHAT ARE KEPLERIAN ELEMENTS?

Satellite-tracking computer software use Keplerian elements (also known as "orbital" or "tracking" elements or "Keps") to pinpoint the location of a satellite (or shuttle) at any given time. The Keplerian elements provide the software with a snapshot of a satellite's orbital track, which the computer uses to calculate the future whereabouts of the satellite. Using such a computer tracking program allows an observer to determine when a satellite is to appear above his or her horizon.

WHERE CAN I FIND KEPLERIAN ELEMENTS FOR TRACKING THE SPACE SHUTTLE?

During shuttle missions carrying SAREX, Keplerian elements for tracking the shuttles are available from numerous sources:

AMSAT. The AMSAT News Service publishes weekly bulletins containing information of interest to amateur satellite operators, including Keplerian element postings for the shuttle and popular amateur satellites. These bulletins are distributed electronically through amateur satellites, the terrestrial amateur packet radio network, and through various landline networks:

World Wide Web <http://www.amsat.org>
AMSAT also maintains numerous public mailing lists (email) to deliver Keplerian elements and other information. To subscribe to one or more mailing lists from AMSAT, send a message with your request to

listserv@amsat.org. Be sure to include your call sign (if any), your correct email address, and the proper names (shown below) of the mailing lists you wish to receive:

SAREX - Shuttle Amateur Radio Experiment mailing list
ANS - AMSAT News Service
AMSAT-BB - AMSAT Bulletin Board
KEPS - Keplerian Elements mailing list

Goddard ARC. The Goddard Amateur Radio Club, WA3NAN, maintains a BBS which carries Keplerian orbital elements updated daily, and daily SAREX bulletins and space shuttle mission information.
Modem line (301) 286-4137
Internet wa3nan.gsfc.nasa.gov
TCP/IP address 128.183.105.17
Packet radio WA3NAN on 145.090 MHz in the Maryland/DC area.

NASA Spacelink. NASA's electronic information system, Spacelink, carries current shuttle mission status reports and Keplerian elements.

Modem line (205) 895-0028 Terminal emulation VT-100, Data format 8-N-1

World Wide Web <http://spacelink.msfc.nasa.gov>
Gopher, Anonymous FTP, and Telnet
spacelink.msfc.nasa.gov

TCP/IP address 192.149.89.61

Keplerian elements may be found in the following Spacelink directory:

Spacelink.Hot.Topics/Current.Shuttle.Mission/Keplerian.Elements

Johnson Space Center ARC. The Johnson Space Center Amateur Radio Club maintains a service with the latest element sets available during a shuttle flight.

Modem line (713) 244-5625

World Wide Web

<http://www.phoenix.net/~mbordel/index.html>

ARRL Orbital Calendar. Each month, ARRL publishes an orbital calendar, which includes equator crossings for many of the popular amateur satellites and Mir Space Station Complex. This data is helpful for people who manually (without a computer) track satellites. To receive a copy, send a 4x9-inch self-addressed envelope with 2 units of first-class postage each month to: Technical Department (ORBITS)

ARRL 225 Main Street Newington CT 06111-1494

This information is provided by:
THE AMERICAN RADIO RELAY LEAGUE (ARRL)
Educational Activities Department (EAD)
225 Main Street Newington CT 06111-1494 USA
Telephone: (860) 594-0301 FAX: (860) 594-0259

ARRL VEC



VE TESTING.

The remaining testing schedule for 1997 will be (all Saturday's) August 9, and November 8 at 10:00AM.

Special test sessions may be accommodated according to demands, as needed. The test fee for 1997 is \$6.25. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 772-8539.

YOUR LOCAL PRESCOTT AREA VE's

AB7DY Vern Gregory	AB7KE Joan Tremper
AB7KF Bob Nichols	AB7KN Mary Miraldi
K7KOL Bob Kane	KA7NGK Don Broadston
KB7FRV Leonard Beers	KC7AGL Don Muller
KC7HAV Ginger LeGendre	KC7KRM Billy Peters
KG7OL David Miller	KI7EB Bill Thrift
KI7MA John Dawson	KJ7KL Pen Brown
KM6BF John Wilson	W2YAV Bill Kafka
W6HDP Bill Jackson	W9KRQ Dave Rutledge
WA6QQO Jim Perrone	WF7J Walt Loesche

4. Knowledge of equipment set up and operation. If a change in frequency or mode of transmission or a different antenna is required to maintain contact, knowing the equipment is the only way.
5. Experience. This can only be had from training on exercises and from actual participation in a communications emergency.
6. Confidence. This will be gained from the combination of the above. It takes time, practice and effort. It doesn't just happen.

Courtesy of the ACS ARES Communications Operations Guide.

QUOTE FOR THE MONTH: "Be glad of life because it gives you the chance to love and to work and to play and to look at the stars": Henry Van Dyke



NEWS of INTEREST

by Pen Brown-KJ7KL

NEW JERSEY TVI LAWSUIT APPEALED

Neighbors who failed in an effort to sue a Lafayette Township, New Jersey, ham as a nuisance for interfering with their TV, telephone, and garage door opener have appealed the case to a higher court. In April, New Jersey Superior Court Judge Reginald Stanton said that federal law prevented him from declaring ham radio interference a nuisance in the case against Walter Kornienko, K2WK.

The plaintiffs--Kornienko's next-door neighbors, Leopold and Karen Korins--appealed the unfavorable decision to the Superior Court's Appellate Division. Bob Shelton, a retired New Jersey judge who's acting as an advisor to the case--said that in court remarks before rendering his decision, Stanton said that Kornienko was operating legally and properly and that were it not for the federal preemption issue, he would first require the Korinses to take measures to prevent the RF interference in their home before restricting Kornienko's hamming activities.

Shelton said members of the Sussex County Amateur Radio Association purchased filters to alleviate the RFI, but the Korinses would not let the club members install them. "We bent over backwards to help these people," said Shelton, a club member. Shelton also said that Karen Korins' negative remarks in



ARES NET. The Prescott Area ARES NET is conducted every Wednesday night after the YARC NET on the 147.040+ repeater. A PL tone of 100.0 Hz is needed. If you don't have PL, transmit on 147.040 simplex, after the repeater drops out. For further information about ARES, contact Lloyd, WA6ZZJ

EMERGENCY RADIO OPERATION NECESSITIES

When handling emergency traffic with another station all operators need to have the necessary tools to do a good job. These tools are not always something material. See information as follows:

1. Willingness to give of yourself. Participating in volunteer communications during times of emergency and especially disasters can be very time consuming and stressful.
2. Knowledge of proper operating procedures. This includes the use of call signs, prowords/prosigns and the phonetic alphabet.
3. The proper equipment. Radios, antennas, computer and power sources. The proper kind for the job at hand.

DR

court about Kormienko's antenna towers has led him to believe that the issue goes beyond RFI.

Kormienko, an avid contester, already has spent more than \$10,000 on legal fees in the suit. He has permission from the township for his 48 and 90-foot towers. He also has some verticals on his property. The Kormienkos live on 3.5 acres on a hilltop in a rural section of Sussex County in New Jersey's northwestern corner.

The ARRL has agreed to seek to file a friend-of-the-court brief in the appeal. A defense fund has been established to help Kormienko pay his legal expenses. -- thanks to The Hudson Loop *(from the ARRL's ARRL Letter)*

VOLUNTEER PROTECTION ACT OF 1997 SIGNED BY PRESIDENT

Ham radio volunteers stand to benefit from "The Volunteer Protection Act of 1997," signed into law June 18 by President Clinton. The measure aims to provide Federal protection from "frivolous, arbitrary, or capricious" lawsuits filed against individuals affiliated with nonprofit organizations and government entities and acting in their volunteer capacities. This would include members of the Amateur Auxiliary and volunteer examiners, as well as other volunteers.

In general, the new law will exempt a volunteer of a nonprofit organization or governmental entity from liability for harm caused by an act or omission of the volunteer on behalf of such organization or entity if:

- the volunteer was acting within the scope of his or her responsibilities at the time.
- the volunteer was properly licensed or otherwise authorized for the activities or practice in the State in which the harm occurred.
- the harm was not caused by willful or criminal misconduct, gross negligence, reckless misconduct, or a conscious, flagrant indifference to the rights or safety of the individual harmed.
- the harm was not caused by the volunteer operating a motor vehicle, vessel, aircraft, or other vehicle for which the State requires the operator or owner to possess an operator's license or maintain insurance.

The law, known as Public Law 105-19, becomes effective September 16, 1997. *(from the ARRL's ARRL Letter)*



SAT WHAT? **FROM THE "I CAN'T BELIEVE I HEARD IT ON AMATEUR RADIO" files:**

(If you have any more, send 'em in and we'll print 'em')

Every once in a while, we hear something so precious, we have to share it with others

"If you have a 2:1 SWR, doesn't that mean you're getting twice as much power out?"

"How do you meet good looking women on ham radio?"

"Put a counterpoise on your antenna. That'll give you more voltage."

"If I modify my 2-meter radio to transmit out-of-band, what call sign do I use?"

"My mother-in-law wants to get a ham license. How can I stop her?"

"We'll have a test session at my house. That way I know I'll pass the test!"

"That code test is too hard for me. I'll just operate on 75 meters anyway. Who'll know?"

"Why can't I hear myself through the speaker when I transmit?"

"If I don't use my callsign, nobody will know who I am!"

"I heard you talking to that repeater!" (little voices in the head?)

"I didn't hear that courtesy squelch tail!"



ATTENTION ARRL MEMBERS. The YARC is an ARRL affiliated club. If you are a YARC member and your ARRL dues are coming up, you can submit your renewal through the club and we get to keep a couple of bucks. Send your ARRL renewals to the club treasurer with your check made payable to the Yavapai Amateur Radio Club



DON'T FORGET! **WEEKLY NET** - WEDNESDAY NIGHTS
@ 7:00 PM 147.040+ (100.0 PL) IF YOU DON'T HAVE
PL, TRANSMIT ON 147.040 WHEN THE REPEATER
DROPS OUT.

MONTHLY MEETING - 3rd THURSDAY
@ GRANITE MTN MIDDLE SCHOOL 7:00PM
NEXT MEETING THURS. AUGUST 21, 1997 @ 7:00pm



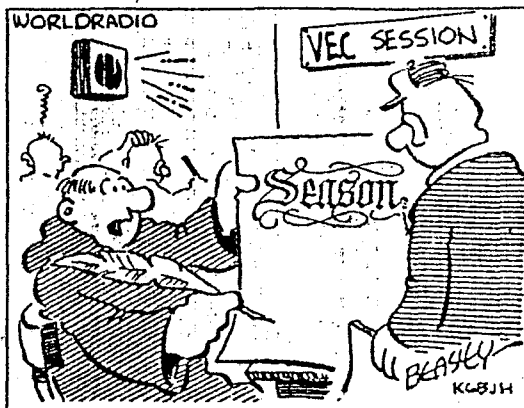
Wednesday Morning Breakfast-Iron
Horse Cafe in Chino Valley. 7:00am. Informal-All are
invited. Come and see Lloyd-N7QZQ pour coffee for
everyone. Lloyd says, "Don't let my wife get wind of this,
or I'll be pouring her coffee too!"

Thursday Morning Breakfast-Micheal's Restaurant in the
Safeway Shopping Center, Prescott Valley. 8:00am. All
are invited.

CARTOONS COURTESY OF
WORLD RADIO™ MAGAZINE

AT GRANITE MOUNTAIN MIDDLE SCHOOL

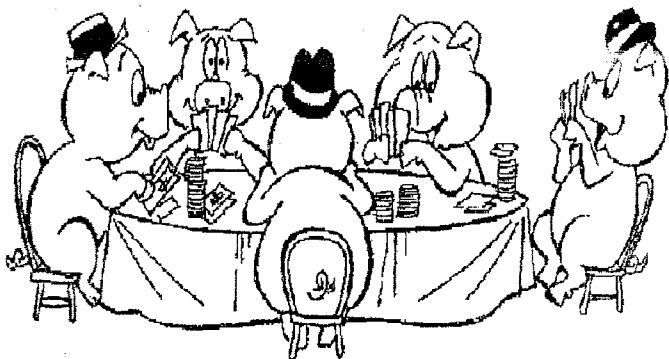
YAVAPAI AMATEUR RADIO CLUB
PO BOX 11994
PRESCOTT AZ 86301



I CAN COPY THE CODE ALL RIGHT, BUT I CAN'T
SEEM TO WRITE IT DOWN FAST ENOUGH



IF YOU WERE TO FEED THOSE WITH A T-MATCH,
THEY MIGHT LOAD UP ON 430 MEGS!...



NEXT BEST THING TO QSL CARDS!

= AWARD TO N7XFD, DALE

- USE 2 METERS FOR
EMERGENCY

→ TONY WOO KITTY

7/23/97

{ DR BOB: CONTRIBUTIONS P.O. BOX 1431
PRESCOTT 86301 }

OLD BUSINESS { FAIR HOURS 43 1/2 HOURS
12M - 10P THU
9A - 11 FRI SAT
9A - 4:30 SUN }

FORGET IT!

THEY WANT LET US HAVE AN ANTENNA

NEW → K7AW VDL POPOFF, 17A PCC PASSED AWAY
10A DEDICATION - ALL HAMS INVITED
AT VA NURSING HOME.
→ K67 HAS PASSED AWAY 73a

→ DIRECTED NET ROLL CALL TO PREVENT
STOPPING ON.

NEXT TIME - WAIT FOR CALL

→ ROAD ROLLEY IN OCTOBER (NEXT MEETING)

146-880