

NEW BUSINESS 20:30

- JACNETS
- SHOULD INTRODUCE SPEAKER (will do)
- ROAD RALLY OCT 5 - 8 STAGES PRESCOTT 9A; NEED 16 --- 9:30PM K7CJW (BOB)
- INTRODUCED SELF
- I WANT WITH INFO OF POWER BREAK
- JANNING 147.220 (who) 2-4P (BOB'S 30 MIN DISCUSS. OF)

YAVAPAI
Amateur Radio Club
PRESCOTT, ARIZONA

PRESCOTT ARIZONA
86301
DM 34
Vol 6 No. 8
AUGUST-1996



It's pretty quiet around here these days-everybody must be on vacation. Rumors have it that the 146.880 repeater has been moved to a higher location.

W2YAV will have to fill us in. It is hoped that many of you wrote letters to those concerned, about the threat to 2m and 440 Mhz. Read inside for information on how you can support Amateur Radio through the ARRL.



JULY Meeting. The meeting was called to order at 7:00PM by President Matt Strandberg-KJ7DX. Several visitors were introduced: KB7PCR, KC7QZN, KC7WNZ, KC7NOT, and KC7PBY. Secretary Bob Rosevear-WB7RRQ read the minutes from the June meeting. Treasurer Judy Rosevear-KC7MTY read the treasurers report-the club had \$663.32 and the refreshment fund has \$61.34. Under new business, Terry Pemberton-KB7TRE announced that many schools are getting involved in Amateur Radio, and locally there is a drive to have a station installed at Heritage Middle school in Chino Valley. After the refreshment break, the 50/50 raffle was won by Joe-AC6AA.

The guest speaker was Cliff Hauser-KD6XH, who is the ARRL's SW Div. Director. Cliff, who is also a Lt. Col. in the US Army Reserve, spoke about the National Communications System (NCS), in which he is a Communications Specialist. The NCS is headquartered in Arlington, VA and plays a vital role in maintaining a state of readiness and providing and maintaining communications in times of need. The NCS has 3 exercises per year, and has vast resources available including major phone companies and some 10KW generators. Cliff also serves as the ARRL liaison to the NCS.

We were treated to a video from the Gulf War and how

K7KOL - BOB

NEXT MONTH - CLAY WARD : CHANGING fuel FROM LIQUID TO GASEOUS

{ WE ARE INVITED TO PRIVATE TOUR OF Lowell Observatory (all of us for \$40.00)
SEPT 15 - 22 can accommodate. ALSO after OCT 13. ALSO BELMONT WEATHER

an amateur radio operator from Kuwait was instrumental in getting vital information out of the country, and risking his life and family by doing so. Several U.S. amateurs, Frank-W9CD and Bob-WB7QWG also played vital roles, relaying messages and information. These risky transmissions provided critical information about the Iraqi siege and subsequently allowed the U.S. Govt. to help in the liberation of Kuwait.

We sincerely appreciate Cliff taking time out from the Ft. Tuthill Hamfest to visit our club again, and for the great program.

Thanks also to Terry Pemberton-KB7TRE, for providing our meeting place at the Granite Mtn. Middle School and his involvement in Amateur Radio with his students.



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

- ✓ Special Event Station Aug. 31 to Sept 2. Cochise ARA from the ghost town of Paradise, AZ Various HF freqs.
- ✓ Sept. 14-16 ARRL September VHF QSO Party.
- ✓ October, ⁽⁵⁾ 1996 Prescott Forest Road Rally
- ✓ November 9 ARRL-VE Testing Prescott

BY NET TIME NEXT WEEK

ARRL

147.040

FACILITATED COMMUNICATION

AMATEUR RADIO
EMERGENCY SERVICE

AUGUST - 1996



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.

EDITORIAL

A statistic mentioned at last months meeting was a real eye opener, for me and others. There are nearly 13,500 licensed amateurs in Arizona, but only about 3,500 are members of the ARRL! While 100% participation in the ARRL is not realistic, many should be aware of the fact that if it was not for the ARRL, they wouldn't even be amateurs. It was the ARRL who pushed for the VE program, thereby eliminating having to go to FCC offices to take a test. It was the ARRL who promoted the No-Code Technician class, which is the entry-level class of choice.

The ARRL is virtually the only voice we have to represent us in Washington to the FCC and to Congress when regulatory matters come up. Contrary to what some may believe, the ARRL does not have a huge staff of paid "bureaucrats". The majority of it's field staff are unpaid volunteers, who enjoy the hobby and promote it to others.

I've heard some say that they can't afford the \$31.00 a year to belong to the ARRL. That works out to about 60 cents a week, or about the price of 1 can from a 6-pack of beer!

Membership Benefits in the
American Radio Relay League
225 Main Street
Newington, CT 06111 U.S.A.
Telephone: (203) 666-1541
Fax: (203) 665-7531

The American Radio Relay League, Inc (ARRL) is a noncommercial association of radio amateurs, organized for the promotion of interest in Amateur Radio communication and experimentation, for the establish-

ment of networks to provide communications in the event of disasters or other emergencies, for the advancement of the radio art and of the public welfare, for the representation of the radio amateur in legislative matters, and for the maintenance of fraternalism and a high standard of conduct.

ARRL is an incorporated association without capital stock chartered under the laws of the State of Connecticut, and is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1986. Its affairs are governed by a Board of Directors, whose voting Members are elected every two years by the general membership. The officers are elected or appointed by the Directors. The League is noncommercial, and no one who could gain financially from the shaping of its affairs is eligible for membership on its Board.

"Of, by, and for the radio amateur," ARRL numbers within its ranks the vast majority of active amateurs in the nation and has a proud history of achievement as the standard-bearer in amateur affairs.

Benefits you're entitled to as an ARRL member:

QST, our monthly membership journal, is simply THE SOURCE for news and information on any topic that's part of, or relates to, Amateur Radio. Here's some of what you'll find every month:

Informative and hard-hitting Product Reviews of the newest radios and accessories from hand-held and mobile FM radios, to home-station transceivers, antennas and even shortwave radios.

Advertisements You'll find everything from full-color foldouts introducing new radios to a large classified ad section.

Coming Conventions/Hamfest Calendar These columns show you who's getting together every month at hamfests, conventions and swapmeets in your area.

The Public Service column keeps you up to date on the public service efforts hams are providing around the country and shows you how you can join in this satisfying aspect of our hobby.

FM/RPT column You'll find lively discussions of FM and repeater "current events."

The New Ham Companion section is filled with features and how-to information just for beginning hams.

Whether you're interested in contesting, DXing, or radios, accessories and antennas you can build at home, QST covers them all. And there's more: New trends and the latest technology, fiction, humor, news, club activities, rules and regulations, special events, packet radio, and much more.

Technical Information Service (TIS). The Technical Information Service has been around for a long time, but, thanks to the addition of new staff, it has an all new face! Questions on topics ranging from antennas to Zener diodes (A to Z), and just about anything in-between, are answered by expert ARRL Technical Coordinators and Technical Specialists in the field and at ARRL Headquarters. Our Headquarters technical staff will help you over the phone, refer you to a volunteer ARRL Technical Specialist in your area, or send you the needed information from a growing collection of information packages. For really difficult questions, one of our Laboratory Engineers will research our technical library and send you an answer by postal or electronic mail (Internet: tis@arrl.org).

Ham Radio Equipment Insurance. As a League Member, you can take advantage of the ARRL All-Risk Equipment Insurance program at a substantial savings over other plans.

Outgoing QSL Service. Let us be your mail carrier and handle your overseas QSLing chores. The savings you accumulate through this service alone can pay your membership dues many times over.

ARRL Field Organization. Be part of a League tradition and join a select group of ARRL Volunteers serving your fellow Radio Amateurs and the public.

Operating Awards. The League sponsors the most popular operating awards. You can increase your operating proficiency while you find out about the history and culture of places you've only dreamed of visiting.

Your ARRL Membership helps fund the following invaluable services. You may use one or two of these services during the course of your membership, or you might take advantage of them all. As an ARRL member you insure their existence and continuation.

Representation of your interests in Washington Regulatory Information Department, providing information on:

- FCC/regulatory questions
- Antenna/tower/zoning restriction problems
- Reciprocal licensing procedures

- Volunteer Counsel Program
- Volunteer Examiner Coordinator program
- Amateur Radio Emergency Service
- Registered Amateur Radio Instructor program
- W1AW code practice, bulletins and code proficiency sessions
- ARRL-sponsored contests

To obtain more information about any of the membership benefits and services listed, please write or call:

The American Radio Relay League, Inc.
225 Main Street
Newington, CT 06111 USA



Club officers for 1996 are:

- President - Matt Strandberg KJ7DX
- Vice President - Dave Luteyn N6WSZ
- Secretary - Bob Rosevear-WB7RRQ
- Treasurer - Judy Rosevear KC7MTY
- Board Member-Past President - Jerry Sager KG7ZF
- Board Members - Bob Rosevear WB7RRQ, Terry Pemberton KB7TRE, and Frank Horneff WA6JBV



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: Matt-KJ7DX
- Greeter: Jerry Sager-KG7ZF
- Membership Services: Bob Rosevear-WB7RRQ and Terry Pemberton-KB7TRE
- Newsletter: John Wilson-KM6BF Editor & Publisher
- NET Control: Dale-N7XFD
- Refreshments: Matt Strandberg-KJ7DX
- Programs & Entertainment: Bob Kane-K7KOL
- Publicity: Judy Rosevear-KC7MTY
- Training & Technology: Vern Gregory-AB7DY
- Volunteer Examiner Testing: John-KM6BF and Dave-W9KRQ



STAR OF FAME!

WHO'S WHO IN THE YARC



WANTED! Volunteer to fill this column!

Anyone interested? Contact John-KM6BF at 636-1228.

Thanks.



PRESIDENTS CORNER

by Matt Strandberg-KJ7DX

AMATEUR FREQUENCY ALLOCATIONS

Reprinted from The FCC Rule Book, ninth edition. Copyright 1993 by The American Radio Relay League, Inc. All rights reserved. Note: Refer to The FCC Rule Book for more detailed information on frequency allocations for the Amateur Radio service and sharing arrangements with other radio services.

160 METERS:

Novice, Technician Class licensees: No 160 meter privileges.
General, Advanced, Extra Class licensees:
1.800-2.000 MHz CW, Phone, Image, RTTY/Data

80 METERS:

Novice, Technician with 5-WPM Morse CSCE:
3.675-3.725 MHz CW Only
General Class licensees:
3.525-3.775 CW, RTTY/Data
3.850-4.000 CW, Phone, Image
Advanced Class licensees:
3.525-3.775 CW, RTTY/Data
3.775-4.000 CW, Phone, Image
Extra Class licensees:
3.500-3.750 CW, RTTY/Data
3.750-4.000 CW, Phone, Image

40 METERS:

Novice, Technician with 5-WPM Morse CSCE
7.100-7.150 CW Only
General Class licensees:
7.025-7.150 CW, RTTY/Data
7.225-7.300 CW, Phone, Image
Advanced Class licensees:
7.025-7.150 CW, RTTY/Data
7.150-7.300 CW, Phone, Image
Extra Class licensees:
7.000-7.150 CW, RTTY/Data
7.150-7.300 CW, Phone, Image

30 METERS:

Novice, Technician Class licensees: No 30 meter privileges.
General, Advanced, Extra Class licensees:
10.100-10.150 CW, RTTY/Data -
Maximum power 200 watts PEP

20 METERS:

Novice, Technician Class licensees: No 20 meter privileges.
General Class licensees:
14.025-14.150 CW; RTTY/Data
14.225-14.350 CW, Phone, Image
Advanced Class licensees:
14.025-14.150 CW, RTTY/Data
14.175-14.350 CW, Phone, Image
Extra Class licensees:
14.000-14.150 CW, RTTY/Data
14.150-14.350 CW, Phone, Image

17 METERS:

Novice, Technician Class licensees: No 17 meter privileges.
General, Advanced, Extra Class licensees:
18.068-18.110 CW, RTTY/Data
18.110-18.168 CW, Phone, Image

15 METERS:

Novice, Technician with 5-WPM Morse CSCE
21.100-21.200 CW Only
General Class licensees:
21.025-21.200 CW, RTTY/Data
21.300-21.450 CW, Phone, Image
Advanced Class licensees:
21.025-21.200 CW, RTTY/Data
21.225-21.450 CW, Phone, Image
Extra Class licensees:
21.000-21.200 CW, RTTY/Data
21.200-21.450 CW, Phone, Image

12 METERS:

Novice, Technician Class licensees: No 12 meter privileges.
General, Advanced, Extra Class licensees:
24.890-24.930 CW, RTTY/Data
24.930-24.990 CW, Phone, Image

10 METERS:

Novice, Technician with 5-WPM Morse CSCE:
28.100-28.300 CW, RTTY/Data - Maximum power 200 watts PEP
28.300-28.500 CW, Phone - Maximum power 200 watts PEP
General, Advanced, Extra Class licensees:
28.000-28.300 CW, RTTY/Data
28.300-29.700 CW, Phone, Image

6 METERS:

Technician, General, Advanced, Extra licensees:
50.0-50.1 CW Only
50.1-54.0 CW, Phone, Image, MCW, RTTY/Data

2 METERS:

Technician, General, Advanced, Extra licensees:
144.0-144.1 CW Only
144.1-148.0 CW, Phone, Image, MCW, RTTY/Data

1.25 METERS:

Novice Class licensees:
222.10-223.91 CW, Phone, Image, MCW, RTTY/Data
Technician, General, Advanced, Extra licensees:
222.00-225.00 CW, Phone, Image, MCW, RTTY/Data

70 CENTIMETERS:

Technician, General, Advanced, Extra licensees:
420.0-450.0 CW, Phone, Image, MCW, RTTY/Data

33 CENTIMETERS:

Technician, General, Advanced, Extra licensees:
902.0-928.0 CW, Phone, Image, MCW, RTTY/Data

23 CENTIMETERS:

Novice Class licensees:
1270-1295 CW, phone, Image, MCW, RTTY/Data -
Maximum power 5 watts PEP
Technician, General, Advanced, Extra licensees:
1240-1300 CW, Phone, Image, MCW, RTTY/Data

HIGHER FREQUENCIES:

Technician, General, Advanced, Extra licensees:
All modes allowed by the Amateur Service are permitted on the following frequencies:

2300-2310 MHz	10.0-10.5 GHz	165.0-170.0 GHz
2390-2450 MHz	24.0-24.25 GHz	240.0-250.0 GHz
3300-3500 MHz	48.0-50.0 GHz	All above 300 GHz
5650-5925 MHz	71.0-76.0 GHz	



From the FAQ (Frequently Asked

Questions) files

How do I join MARS?

To join MARS, you have to be 14 years or older (parental consent required under age 17), be a US citizen or resident alien, possess a valid Amateur Radio license, possess a station capable of operating on MARS HF frequencies, and be able to operate the minimum amount of time for each quarter (12 hours for Army and Air Force; 18 hours for Navy-Marines). Novices must upgrade to Technician within 6 months, else be dropped from MARS. No-Code Techs can apply, provided they have transmit and receive HF capability for MARS frequencies (they don't need transmit capability for Amateur HF frequencies). For application forms contact:

Chief, Air Force MARS
 HQ AFC4A/SYXR
 203 W. Losey St. Room 1020
 Scott AFB, IL 62225-5219
 (618)256-5552 Fax: (618) 256-5126

Chief, US Army MARS
 HQ USA Information Systems Command
 ATTN: ASOP-HF
 Ft. Huachuca, AZ 85613-5000
 800-633-1128

Chief, Navy-Marine Corps MARS
 Naval Communication Unit
 Washington, DC 20397-5161

PAST PRESIDENTS FORUM.....


What can I do with a ham radio license?

There are so many things, it's a difficult question to answer, but here's some ideas:


- Talk to people in foreign countries.
- Talk to people (both local and far away) on your drive to work.
- Help in emergencies by providing communications.
- Provide communications in parades or walkathons.
- Help other people become hams.
- Hook your computer to your radio and communicate by keyboard

- Collect QSL cards (cards from other hams) from all over the United States and foreign countries and receive awards.
- Participate in contests or Field Day events.
- Provide radio services to your local Civil Defense organization thru ARES (Amateur Radio Emergency Service) or RACES (Radio Amateur Civil Emergency Service).
- Aid members of the US military by joining MARS (Military Affiliate Radio System).
- Participate in transmitter hunt games and maybe build your own direction-finding equipment.
- Have someone to talk to on those sleepless nights at home.
- Receive weather pictures via satellites.
- Build radios, antennas, learn some electronics and radio theory.
- Talk to astronauts in space, or use the moon to bounce signals back to people on the Earth.
- Experiment with Amateur TV (ATV), Slow-Scan TV (SSTV), or send still-frame pictures by facsimile.
- Experiment with amateur satellite communications.
- and most important of all, **Make new Friends.**

73, Charlie Brown



ARRL VEC



VE TESTING.

The August 10 test session had 16 applicants, 24 elements with a 58% passing rate. There were 2 new Extra Class, 1 Gen, 2-Tech, and several element credit only. The last scheduled testing date for 1996 is November 9. Special test sessions may be accommodated according to demands, as needed. The test fees for 1996 are \$6.05. 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

AA7OV	Al Barber	AA7HZ	Tom Nickelsen
AA7MH	"Shep" Shepard	AB7DY	Vern Gregory
AB7KE	Joan Tremper	AB7KF	Bob Nichols
AB7NK	Mary Miraldi	KA7NGK	Don Broadston
KB7FRV	Leonard Beers	KC7AGL	Don Muller
KC7HAV	Ginger LeGendre	KC7KRM	Billy Peters
K7KOL	Bob Kane	KG7OL	David Miller
K17EB	Bill Thrift	K17MA	John Dawson
KJ7KL	Pen Brown	KM6BF	John Wilson
N7GTK	Chet Hjelm	W2YAV	Bill Kafka
W6HDP	Bill Jackson	W9KRQ	Dave Rutledge
WA6QQO	Jim Perrone	WF7J	Walt Loesche

NOTE: It is with sadness to report the passing of one of our VE's, Ward Scott-K7BVZ. Ward passed away on Wednesday, July 16 in Phoenix. Ward enjoyed working with the VE team and was always attentive to detail in handling VE matters. He will be missed by all of us.



PACKET RACKET.

Leonard Beers (KB7FRV) has a unique telephone access system for packet serving the local area. If you are interested in gaining access to his system, give Leonard a call at 445-1841.



SATELLITE

COMMUNICATIONS

by Hugh Wilcox-WA3ELA

SAFEX REPEATER OPEN-FIRST CONTACT LOGGED

The 70-cm FM Space Amateur Funk (Radio) EXperiment--or SAFEX--voice repeater operating on the Russian space station Mir is now open for general use! The repeater operates with an input frequency of 435.750 MHz and requires a CTCSS tone of 141.3 Hz for access. The repeater output is on 437.950 MHz, and the call sign is RR0DL. The first ground-to-ground QSO involved DF0VR, IV3WLQ and LY3BH. Dave Larsen, N6JLH, worked the first North American two-way ground-to-ground QSO with Scott Avery, WA6LIE. Both stations are in California. N6JLH has been working the repeater with 25 W into a 35-element Yagi. He has not been able to operate through the repeater with a mobile transceiver and a 5/8-wave whip antenna, even on a 75(elevation pass.

Joerg Hahn, DL3LUM, and Thomas Kieselbach, DL2MDE, of the SAFEX team (club station DF0VR) report the spacecraft's attitude is very bad and that working via SAFEX is "more or less difficult," at least for the time being. SAFEX II is a project of the Deutscher Amateur Radio Club (DARC), and managed by the Ham Radio Group, DF0VR, at the German Aerospace Research Establishment (DLR) in Oberpfaffenhofen. The project is supported by DARC, DLR, NPO Energia (Russia's equivalent of NASA) and Russian radio amateurs.

Mode 2, 9600-baud (G3RUH-compatible) packet operation, is not yet ready for use. It will use a downlink of 437.975 MHz and an uplink of 435.775 MHz (no CTCSS tone).

Mode 3, the SAFEX voice recorder beacon, was expected to be in operation this week using a downlink frequency of 437.925 MHz and an uplink of 435.725 MHz (no CTCSS tone needed).

Mir is a rapidly moving spacecraft, so all SAFEX contacts should be as short as possible. Also be sure to consider the (10 kHz of Doppler shift that is typical of LEO satellite operation on the 70-cm band.

The SAFEX II team is very interested in reception reports, and any technical measurements or oscilloscope plots of the repeater's signals. Send reports to Joerg, DL3LUM, e-mail joerg.hahn@dlr.de or via packet, DL3LUM@DB0AAB.#BAY.DEU.EU.

The new equipment was powered-on by the Mir-21 crew, which currently includes US astronaut Shannon Lucid and Russian cosmonauts Yuri Onufrienko and Yuri Usachev. Lucid can occasionally be heard making two-way voice contacts on 145.55 MHz from Mir. Other 2-meter frequencies used for Mir (preferably in split-mode operation) are 145.800 MHz (uplink) and 145.200 MHz (downlink). Lucid recently made a contact with a mobile station in Florida. Russian rules have historically permitted unlicensed Mir crew members to operate using the Russian club call sign ROMIR. This imposes some limitations for US hams, however, since the US does not have a third-party traffic agreement with Russia. This means that Amateur Radio stations in the US may talk to Russian licensees aboard Mir, but they may not involve unlicensed third parties in these communications. This agreement does not affect Mir crew members, but it does affect US hams.

N6JLH is the Mir QSL manager in the US for contacts made with ROMIR and ROMIR-1. QSL cards must include date, time, and mode of contact. N6JLH does not handle SWL reports, however. If a contact is made with the Mir packet radio personal message system (PMS), include the message number issued by the PMS on your QSL.

QSLs must be sent along with a business-sized self-addressed stamped envelope (the card will not fit in a regular-sized envelope). Send QSLs to: David G. Larsen, N6JLH, PO Box 1501, Pine Grove, CA 95665.-- AMSAT News Service



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.



CLUB REPEATER. The local 2-Meter repeater on 146.880- (100.0 PL) is the official adopted repeater for the YARC. Many thanks to Bill Kafka-W2YAV for the upkeep and use of the repeater.

Quote for the month: "The Trouble with life in the fast lane is that you get to the other end in a hurry." John Jensen



AREA REPEATERS

Several area repeaters are accessible from the Tri-City area:

- Mt. Union(-500khz) 52.560-
- Wildflower Mtn 145.350-
- Towers Mtn 145.370-
- Squaw Pk.(Camp Verde)145.470- 94.8pl
(linked to Phoenix)
- Bill Williams Mtn 146.780- 91.5pl
- Prescott 146.880- 100.0pl
- Mt. Eldon(Flagstaff) 146.980- 100.0pl
- Mingus Mtn. 147.000+ 100.0pl
- Mt. Francis(Prescott) 147.040+ 100.0pl
- Mt. Eldon(Flagstaff) 147.140+ 162.2pl
- Mingus Mtn. 147.220+

- Mt. Francis(Prescott) 223.960- 127.3pl

- Mingus Mtn.(NorthLink) 442.150+ 100.0pl
- Towers Mtn. 448.575-
- Towers Mtn.(NorthLink) 449.175- 100.0pl

With a higher power base station and a good antenna, many of you may be able to access these other repeaters, out of the area:

- Greens Pk.(-1 Mhz) 53.410- 100.0pl
- Mt. Ord 146.660-
- Smith Pk(ARA) 146.680- 162.2pl
- White Tanks(ZIA) 146.700- 162.2pl
- Kingman 146.760- 131.8pl
- Mt. Ord(ARA) 146.920- 162.2pl
(linked to 147.240+ Phoenix)
- White Tanks(ARA) 146.940- 162.2pl
- Grand Canyon 147.320+
- Mt. Ord 147.360+

- Kingman(CONDOR) 224.880- 156.7pl

(linked to many sites in Calif.)

- White Tanks(ARA) 441.725+ 162.2pl
- Flagstaff(Mt. Eldon) 448.475- 100.0 pl NL
- Flagstaff(Mt. Eldon) 448.875- 100.0 pl NL



FROM THE "i CAN'T BELIEVE I HEARD IT ON AMATEUR RADIO" files:

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

"I don't have to worry about my SWR because my 1:1 balun takes care of it!"

"They PL'd the repeater to stop all that commotion."

"My power supply didn't have enough uumph to spit out my call sign"

"Give me a call on the ground line!"

"I put in one of those no-fault circuit breakers."

"The reason you put radials on your antenna is that it pulls your signal down to the ground!"

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



NEWS of INTEREST

by Pen Brown-KJ7KL

LIABILITY PROTECTION FOR VOLUNTEER EXAMINERS


Hams who volunteer their services to various Amateur Radio projects may soon be protected from frivolous lawsuits, if the ARRL is successful in promoting congressional legislation sponsored by Rep. Bill Baker. Baker has introduced a bill to protect hams in the VE program and the Amateur Auxiliary from frivolous lawsuits while they are doing their volunteer jobs. The bill, HR-3207, would afford amateurs engaged in statutorily defined activities with the VE program and with the Amateur Auxiliary the same liability as Federal workers enjoy under the Federal Tort Claims Act.

When individuals who fall under such protection are sued for something they have done while performing their duties, the Federal government steps in to protect them. While the bill would not give blanket immunity, it does offer a fairly rigorous body of legal protection from the kind of malicious litigation that tends to frighten volunteers away from these activities.

The proposed legislation is known as the Amateur Radio Volunteer Services Act of 1996, and was introduced on March 29. Other individuals and private organizations currently protected by the Federal Tort Claims Act include Volunteers in Service to America, the Peace Corps, and the Job Corps.

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1. WATER
 2. FOOD
 3. FIRE STARTERS
 4. SIGNAL MIRROR
 5. WHISTLE KNIFE
 6. FIRST AID
 7. HAT
 8. EXTRA SHELTER/CLO
 9. MAP & COMPASS
- AUGUST - 1996 - STAY PUT IF LOST, DON'T TRAVEL
- DON'T LEAVE THE TRAIL
- DATE STARTED 18:55 - 21:30




DON'T FORGET!

WEEKLY NET - WEDNESDAY NIGHTS @ 7:00 PM 146.880- (No PL)

MONTHLY MEETING - 3rd THURSDAY @ GRANITE MTN MIDDLE SCHOOL 7:00PM

NEXT MEETING THURS. SEPT. 19, 1996 @ 7:00pm



Wednesday Morning Breakfast-Iron Horse Cafe in Chino Valley. 7:00am. Informal-All are invited. Come and see the award winning Lloyd-N7QZQ keep everyone's coffee cup full! Lloyd says "Regular or Decaf?"

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

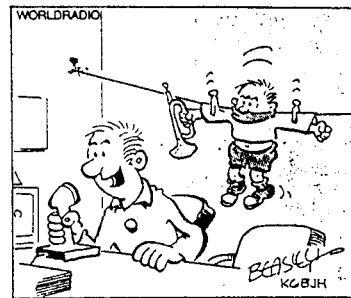


FOR SALE BAY-PAC, BP2M Multi-Mode TNC. Small unit with software and all printed documentation. \$50.00 (\$ 69.95 new) contact Ron Shumway-K17IE (520)445-0776

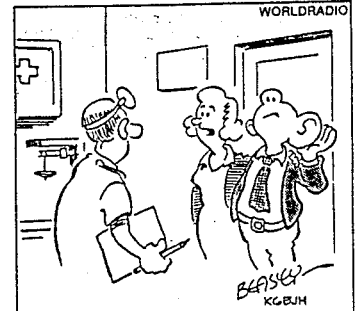


HELP WANTED P/T Studio Engineer for local Prescott Radio Station. Audio & Computer Experience Required. Contact Mark at (520) 445-6880

CARTOONS COURTESY OF
WORLD RADIO™ MAGAZINE



OK, WILL YOU REPEAT YOUR LAST TRANSMISSION, BILL --- I JUST PUT THE NOISE BLANKER ON



HE KEEPS TELLING ME HE CAN HEAR SOMETHING CALLED OSCAR!

(SERV LLOYD - FA CONTACT ASSN)
WA 622J

YAVAPAI AMATEUR RADIO CLUB
PO BOX 11994
PRESCOTT AZ 86301

- ERROR PROCTOR UP TO 300 FT
- PLOTTING SCREENS
- CARMA - GPS-45
- DATA PORTS - YES

- POSITIONS of PERSONNEL
- NAVIGATE TO POSITION

J & F SALES

- LOOKING for SATELLITE SIGNALS
- BATTERY SAVING A PROBLEM CAN HAVE CAR ANTENNA CANYONS CAN BE A PROBLEM
- INEXPERIENCE OR NOT ENOUGH WATERMARKS

(S&R IS FREE)

- FAILURE TO SET COORDINATES for AREA
- "GPS MORE EASY" - MOUNTAIN GUIDES

PROG 1900 - 20:15

- MIKE TOWNSEND - SEARCH & RESCUE YAVAPAI 8000 SQ MILES COVERED (640 ACRES/SQ MILE)
- Sheriff's office w/ CHANCE (EXCEPT NATIONAL PARKS - NONE HERE)
- YAVAPAI COUNTY JEEP POSSE
- " SHERIFF'S RESPONSE TEAM

How many involved 450 - 520
200 REPLY ACTIVE
75 - 130 S&R A YEAR

- HOW COMMUNICATE?
SHERIFF'S REPEATERS ON SPECIAL FREQUENCIES
CEL PHONE
HI BAND VHF IN THE FIELD
155.160 PRIMARY ELEM FREQUENCY
WORK WITH MORICOPA

- RED CROSS NOT INVOLVED HERE IN S&R.

- DO YOU DO ANYTHING THRU INTERNET?
NO, BUT USE COMPUTER PROGRAM "CASJ"
COORDINATE & ALLOCATE RESOURCES. INVA
LOS 1740 "STRIKE" ON S&R

- GPS? 6 YRS ago \$800.00^{UP} NOW \$1700 to 7000^{UP}
LOT & LONG → NOW UTM (UNIVERSAL TRANSVERSE MERCATOR) EASTING/NORTHING METRIC
BE SURE GPS CAN CONVERT LAT-LON → UTM