

THE YAVAPAI SIGNAL

**THE YAVAPAI AMATEUR RADIO CLUB
PRESCOTT, ARIZONA DM-34
VOL 13 - No. 1
JANUARY, 2003**

WELCOME TO THE YAVAPAI AMATEUR RADIO CLUB

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated club. The club participates in many activities in the tri-city area including providing communications for local events, emergency communications, volunteer exams, and promotion of the hobby throughout the community. Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/yr. The YARC meets at 7:00 PM local time on the 3rd Thursday of every month at the Granite Mountain Middle School, 1800 Williamson Valley Rd. in Prescott. It is about 1/2 mile north of Iron Springs Rd and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting. The weekly NET is held every Wednesday at 7:00 PM local time on the 146.880- repeater. All amateurs are invited to participate and visitors are always welcome. The Yavapai County ARES/RACES NET is held on Monday nights approximately at 6:45PM local time on the 147.220+ repeater on Mingus Mtn.



Club Repeater

The local 146.880- MHz repeater is the official adopted repeater for the YARC. It is located on the hill above Willow Creek Rd and requires a PL of 100.0 Hz. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications. The 147.040+ (100.0 PL) repeater is back up and running in Prescott Heights. Many thanks to Bill Kafka, W2YAV for the upkeep and use of the repeaters.



YARC OFFICERS for 2003

President John Wilson-KM6BF km6bf@cableone.net	Vice President Bob Smith-WB6ODR Lrsmith@cableone.net
Secretary Tony Masvidal-W7PCU W7pcu@webtv.net	Treasurer Al Crook-KD7MTJ

YARC BOARD OF DIRECTORS includes Club Officers

Lee Cunningham-KC7CBK
Bob Kane-K7KOL
Bob Rosevear-WB7RRQ
Jack Ragan-W3IVQ

WEEKLY NET CONTROL - Dale Leslie-N7XFD
NEWSLETTER EDITOR - John Wilson-KM6BF



FROM YOUR PRESIDENT-WELCOME TO 2003!

Here we are in a new year. Several projects are in the works, with more to come.

Marianne Littell-AA9TB has researched the "Post Christmas Party" and has come up with a plan. The China Buffet on Hwy 69 (behind COSTCO) is conveniently located, has plenty of room, and good food at a reasonable price. An early Saturday or Sunday afternoon would be a good time for most of us. As she put it, "there won't be 30 green-bean salads, and we won't have to clean up!" We will finalize the date and time at the January meeting.

With 3 new club officers in place, the future of the club looks good. One of my priorities will be to get more club members involved in our activities, to increase membership and meeting attendance, and overall promotion of amateur radio in the community.

We are working on the "New Members" packet, which will include information about the club and ham radio activities in the area. We welcome everyone's input for this project. The club brochure has been updated for 2003 and will be available at the monthly meetings.

Several suggestions were given for future programs and we will do our best to accommodate them. If you would like to give a program at one of our meetings, please let us know and we will schedule you as time permits.

Remember to keep sending me your QSL cards and a short story about them for future newsletters. If you can't scan and e-mail, then send me the card and I scan it for you. It's that easy!

Remember, there's always room in the newsletter for your stories and contributions as well. Keep 'em comin' 73!

John Wilson-KM6BF
YARC President

YARC HIGHLIGHT



R.A.I.N.-The RAIN Report



www.rainreport.com

The rain report is a website that has audio files related to Amateur Radio. There are weekly updates and good information.

Q.: What is RAIN?

A.: RAIN (Radio Amateur Information Network) was founded by Hap Holly in March, 1988 by Hap Holly, KC9RP, to: (1) Produce and disseminate audio programming to the U.S. Amateur Radio Service; (2) Produce and distribute audio educational materials to promote Amateur Radio to the disabled community; and (3) Develop new and assist currently-operating over the air/telephone ham radio bulletin services. RAIN PROGRAMING ONLY is essentially a 1-man operation with a lot of help from a handful of volunteer readers, and from M. Bohnhoff, Inc. As web host for rainreport.com, this commercial entity is licensed by Hap Holly for all Internet distribution of and advertising for this web site.

Q.: What is the RAIN Report?

A: RAIN Founder/Producer Hap Holly, KC9RP, introduced the RAIN Dialup Service in April, 1988, to provide national access to RAIN programming via telephone. The RAIN Report was a major feature of that dial-in service. Renamed the RAIN Report in 1997 to coincide with the launch of rainreport.com, this weekly, audio, ham radio, feature magazine is still available, at area code (847) 827-RAIN as well as here. It updates Fridays, typically running some 15 minutes in length in streaming Real audio. The RAIN Report is formatted for airing over Amateaur Real audio. The RAIN Report is formatted for airing over Amateaur Real audio in accordance with FCC regulations. Over the air dissemination of this RAIN program is open to all licensed radio amateurs on or above 29.5 Mhz. It updates Fridays both at www.rainreport.com and at area code 847/827-RAIN.

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E-MAIL: hap@rainreport.com

Fax: 847-299-5987

Dialup: 847-827-RAIN



UPCOMING EVENTS OF INTEREST

- ▶ January 18-19, 2003 – North American QSO Party HF-SSB
- ▶ January 25, 2003 – CQ 160 Meters CW
- ▶ Punxsutawney, PA: Punxsutawney Area Amateur Radio Club, K3HWJ. 1400Z-2100Z Feb 1. Commemorating Groundhog Day 2003.

14.240 7.240 7.125. Certificate. Sherman Hollopeter, W3QOS, Box 20 216 E Main St, Big Run, PA 15715.

- ▶ February 2, 2003 – North American Sprint 80/40/20M SSB
- ▶ Saturday February 8, 2003 – VE Testing, Prescott
- ▶ 2003 – February 11-16 – School Club Roundup
- ▶ 2003 - February 15 - 16ARRL International DX Contest (CW)
- ▶ 2003-March 1,2 – ARRL International DX Contest (Phone)

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



DECEMBER 2002 MEETING

Minutes of the YARC meeting on Dec 19th

Meeting came to order at 7pm from the president, John-KM6BF. visitors were KB2WPN
 Bob-K7KOL talked about Lloyd-N7QZQ being in the VA hospital. He has 2 meter capability. We signed a get well card for him.
 Dick-W6CCD gave information on the vest and lettering to be put on.
 Treasury report by Dave-K6YWV for Dec 2nd was \$1763.85
 Bob-WB7RRQ was not present for the ROAD RALLY report.
 Emergency services by Lloyd-WA6ZZJ. After January 1st the EOC and comms van will be getting new equipment installed. Mt Union will also get an upgrade.
 Class-C-com level 1 is available. go on the Web if possible.
 Lee-KC7CBK, the comms van will be in the Chino Valley parade. Girl Scout jamboree on 2/1/03 from 9am to 4pm, will need 6 to 10 hams to assist.
 Ron Hunter now a SK, his equipment is for sale.
 VE testing on 2/8 at the Masonic Lodge.
 Would like to get any inputs for the newsletter.
 Tony-W7PCU will look into Worldradio for the cost of getting the YARC meeting in their paper.
 Bob-WB6ODR, may have electronic links added to our WEBSITE.
 Terry-KB7TRE. Special Event station on 2/14 at the Sharlot Hall Museum.
 Lloyd-WA6ZZJ. suggesting new signs for YARC o 8 1/2 X 11. will investigated further.
 Post-Christmas party pending.
 BREAK at 7:50pm
 Program resumed at 8:09pm. Ticket drawing won by Bob-WB6ODR for \$14.50.
 Some more discussions followed.

The meeting ended at 8:26pm

Respectfully submitted,
 Tony Masvidal-W7PCU
 YARC Secretary



SPEAKERS WANTED! Want to make a presentation to the club? Got a favorite subject or experience you would like to share? If you do, we'd like to hear from you! Programs of interest are always needed for club meetings. Share your knowledge or experience with the rest of the club at our meetings. Contact Lee Cunningham, KC7CBK for more information.

THE NEWSLETTER!

With the announcement of the ARRL's decision to drop the Section Manager's News (remember that little paragraph in real small print in the back of the magazine?) from OST, we will attempt to publish it here in the newsletter for you. It may be a month late, but it will be here, and in a little larger print! 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@cablone.net



FROM THE MAILBOX

Sorry, no mail this month!



WE WANT YOU! Membership in the Yavapai Amateur Radio Club is \$20.00 for 1 year. Newsletters will be mailed only to those members not attending a meeting and current on dues. Those in arrears 3 months will be dropped from the membership list. Dues can be mailed to the club PO Box or given to the club treasurer at any meeting.



FROM THE WAY PAST-PRESIDENT K7KOL (Bob Kane)

Abo-Comm Dispute Settled

Today, in the Council Chambers of the WhereTheHellAreWe tribe, the long standing dispute between aboriginal communicators Two Packs a Day and Flash with Mirrors Man was finally settled by arbitrator, Chief White Man Runs Him.

At the risk of seeming redundant, since many of you were out of town getting the Morongo Valley Casino up and running, I'll bring you up to speed on this reservation epic.

Native communicators Two Packs a Day, with his ring of fires, and Flash with Mirrors Man, with his bank of war surplus heliographs, have their stations up on the top of 18th Mesa, overlooking the Valley. They competed for all of the Valley resident's entertainment time by touting their particular transmitting technique as the cutting edge technology to enjoy popular shows such as Gun Smoke and John Wayne's foolhardy episodes. Neither Two Packs' nor Flash Man's technologies required any kind of tipi-top decoders, so the market numbers were based on signal clarity at each camp-site.

Two Packs was doing very well, transmitting at about 5 puffs a minute, well within the capabilities of most family units, while Flash

Man was lighting up the sky with his blistering 13 flashes a minute; much faster and demanding of the audience. Flash's faster speed gave his signal better resolution and authenticity when listening to the "thwap" sound of a released bow string and the "squish" of an arrow head entering the enemy's hide.

Two Packs, with his Ancient Metamorphose techniques, which he named "a.m." to honor the birth of the day, found it harder to compete with Flash Man and his new Simple Sign Blinker technique, which Flash tagged, "ssb" meaning, "Smoke Smells Bad", a blatant dig at Two Packs' technology. Two Packs, having a time-honored transmission system, was convinced he could beat Flash's clear signal, and experimented with ways to improve his smoke's resolution.

Two Packs found that by adding a tree-limb counter-balance to the end of his transmitting blanket, it would vibrate faster over the fire, vastly improving his old a.m. signal. Two Packs called his invention the fiber-flex flapper, and was now providing programming at 8 puffs a minute. No longer would his impatient customers have to wait, bored, between the bow string's "thwap" and the arrow head's "squish".

Two Packs' aggressive marketing alarmed Flash, forcing him to improve his signal quality by adding directive mirrors and trimming the active mirror's aperture to obtain almost a 1:1 swr, or sun to wigwam ratio. Flash was elated by his efforts: his superior technological knowledge would earn him an up-grade at the next Tribal Communications Commission Justification Session, and guarantee him sun-space for his programming, thereby forcing Two Packs to concede and leave the lucrative sit-com market.

Flash knew that Two Packs had never up-graded beyond Smoke-Tech, which limited him to smoke puffs no wider than two meters. With this limited legality, he was confined to wind-less days, and a shortened line of sight programming. Flash reveled in his heliographic ability to "punch through" any wind gusts, reaching a much wider and more distant audience.

Two Packs was desperate and moved his fires to a different place on the Mesa, directly in line with Flash's sun signal. He also found that using creosote wood gave him a more powerful signal, something he called "erp", or "extended reliable puffs", and still only two meters wide. Two Packs was determined not to lose his loyal Valley fans who were rapidly adjusting to the increased speed of 8 ppm (puffs per minute), nor spite the TCC. The Valley folks also found that the increased "ppm" shortened the interval between "thwaps" and "squishes", vastly improving their entertainment.

Two Packs' dense smoke however, was wiping out Flash's light show, and his customers were complaining about fuzzy signals. Flash was fiery with indignation that a less-qualified operator would blot out his signal and complained to the Tribal Commission of Two Packs' interference. The Commission listened to Flash and agreed to take it up at the next Council meeting.

Flash with Mirrors Man v. Two Packs a Day was added to the Council Court's calendar and the parties were advised that Chief White Man Runs Him would arbitrate the case. Flash and Two Packs cringed at the name; Chief White Man Runs Him had a reputation of caving in to the majority politicians when they suggested rewards for his "correct" decision.

The two opponents tussled with this nemesis confronting them, but arrived at a mutual decision after a closed-tipi flap session; a session well lubricated by supplies from Norma's ☺

No Goats café and a spell in the sweat lodge. They would accept Chief White Man Runs Him as their arbitrator.

The court calendar finally signaled the appointed day, and Flash and Two Packs, with their solicitors Cheat-um and Howmuch, appeared before Chief White Man Runs Him.

The causes were pleaded with passion; each litigant glowingly described their communications stations built with the help of Tribal Discredit Union loans and their own efforts. Flash complained that both communicators were doing well until Two Packs got jealous and put some interfering signal in Flash's path. Flash called it QRM, or "Quality Reducing Manipulation". Two Packs countered with his lament, "Well if Flash hadn't come along with his new, tuned mirror technology, we wouldn't be here today. The older method I used was easier for the Valley folks and they adjusted for the longer "thwap" to "squish" ratio. There was no need to change from the old ways."

Chief White Man Runs Him listened with great gravity, and then called a recess, promising a decision after smoking his pipe load, and conferring with other Chief Arbitrators at the Tail-Feather Resort, a Red Rock retreat reserved for reservation residents requiring reconciliation re-training. The Tail-Feather is a favorite haunt; a hedonistic haven for burdened Chiefs, guaranteed to reduce the stress of litigation through personal growth methods taught by an enchanting coterie of young assistants dancing about in the wafts of aromatic candles. All wise Arbitrators, hardened by the stress of decision, left the Tail-Feather Resort greatly relieved.

After a week of R&R at the resort, Chief White Man Runs Him returned to his chambers and summoned the two litigants and their solicitors.

"I have reached a decision", he said.

The Council Constable ordered the disputants to stand and face the "Word" of the great Chief.

"You", he said, pointing his majestic, hand carved mace at Two Packs a Day, "are guilty of causing great emotional stress to the Valley people by your 62 per cent increase in transmission speed, and the introduction of this insidious "QRM", so called by Flash with Mirrors Man. Your complete disdain for the old ways of enjoying John Wayne's hide being "squished" on so few occasions has not gone unnoticed by this Council".

And then, turning and pointing to Flash Man with that majestic symbol of Great Spirit power, the Chief intoned, "You, Flash with Mirrors Man, because of your insolent contempt for our old ways; the disruption to accepted rules you brought with your new "tuned-mirror" technology with even higher transmission speeds than Two Packs', and your dismissive "SSB" insult — "Smoke Smells Bad?" — Why, let me tell you Flash Man. Where I just came from, smoke was sweet. It smelled — Good!"

Chief White Man Runs Him laid down his mace and addressed the solicitors:

"For creating this great disharmony among the conservative Valley folks, and forcing me to leave my aroma-therapy Tail-Feather retreat prematurely, this Council is confiscating the fiber-flex flapper of client Two Packs a Day, and the tuned-mirror of client Flash with Mirrors Man for a period of one month. This property will be returned after that period and upon the payment of a fine from each. The fine is that Two Packs will contact my son-in-law, Wanna-Be-Rich, and help him install his new television transmitter tower on the top of 18th Mesa." The Chief turned to Flash Man and continued the sentence, "Flash Man will report to my brother, Gonna-Get-Rich and assemble the new

tipi-top decoders he calls aeriels just received from retailer Radio Hogan in Holbrook."

"Let it be recorded in Tribal Transcripts", said Chief White Man Runs Him, "that this Chief and his Council respect the old customs, and will not allow the creeping hegemony of the majority destroy our culture and its time proven ways."

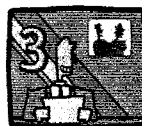
The recording agent closed the Tribal Transcript book. "Because of overpowering, majority government changes beyond my control", the Chief continued sotto voce, "and a new liquid gas reserve found under the Valley floor, my son-in-law Wanna-Be-Rich has been awarded a program contract to bring WBA, Monday Night Football, NL and AL baseball (except the Indians and Braves, which have been pre-empted) FOX, CNN, NFL and MSNBC to the very progressive, eager to leave the old ways, Valley folks. We are leaving the 19th century of entertainment delivery for a quantum leap forward, financed by majority man's wampum!"

"That's my decision – case closed" said the Chief, as he mounted his Lexus SUV and headed back to the Tail-Feather and its aroma-therapy taught by an enchanting coterie of assistants swaying to the ardor induced by sweet-smelling smoke.

Two Packs a Day and Flash Man looked at each other glumly and said, "The old glory of Thwap and Squish has been forever muted. Our culture is doomed!"

"Maybe," they continued, "its progress. Maybe MTV and SNL on television will prove more enriching than Gun Smoke and John Wayne were on the old AM and SSB!"

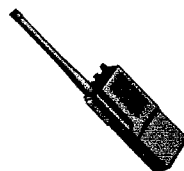
73's Bob Kane, K7KOL



OTHER NEWS OF INTEREST

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

Nine-year-old makes Extra



Elizabeth Harper of Vinemont, Alabama, became one of the nation's youngest Amateur Extra-class licensees during the Montgomery Amateur Radio Club hamfest examination session November 9. Accompanying the nine-year-old on her upgrade journey were her parents, Anthony, NO2M, and

Sondra Harper, KA4EIC. There was a lot of excitement as the volunteer examiners from the Montgomery CAVEC group graded her Element 4 answer sheet, then rechecked it twice more. A General licensee at the time of the session, Elizabeth also might hold the distinction of being the only youngster her age now working on her third ham radio call sign. When she sat for the Extra, she was KG4NAU. The FCC issued her a new sequential call sign, AG4WP, which she held for about three weeks until the FCC granted her vanity application. Elizabeth now is AK3H.—Steve Padgett, K4NM (From the ARRL's ARRL Letter)

ARRL Arizona Section (AZ) NEWS

Section Manager

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SM Article for December 2002 QST

This is it. This will be the last SM article of mine that will be published in the QST. Starting in January 2003 you will find my article on the ARRL Web site <http://www.arrl.org/sections/index.html/AZ.html> and on the state web site www@qsl.net/arrlaz, and www@hamsrus.com I also plan to send it to the various club sites around the state. The staff at ARRL headquarters made the decision to delete the SM articles and contesting results effective date of 01 January 2003. This was to give QST editors more room for other articles. The best part of this is that I can now include pictures of special events as part of my article. Have you completed the Communications Level 1 Class? This class is very good and it teaches the basic art of emergency communications. If you are not presently taking this class and want to do so, call ARRL Headquarters (Steve Weald) and get all you questions answered. Course cost is \$45.00. During an emergency condition we want to be prepared and have the necessary training skills to help. Training must take place prior to emergencies, not during the emergency. Many RACES organizations across the country are requiring its members to take this course as part of their membership requirements. Check with the ARRL for the next course starting date. Another issue that has surfaced is community support. Here in Arizona we have many people who work with local governments on community activities and emergency support. If your city/county is not included in this type of activity, give me a call and I will help you work with your local officials to set up a working RACES/ARES organization. If your club or organization has a special event or function coming up please let me know so I can make sure it gets into this article and on the web sites. We need to advertise to ourselves as well as promoting the good parts of amateur radio to others whenever possible. The Fall EST Hamfest in Glendale is back in operation for the 11th of January. Also start planning for the Fall Hamfest at Mesa Community College on 07 December 2002. See you in December. Clifford Hauser, KD6XH; E-mail is kd6xh@arrl.org.

SM Article for January 2003

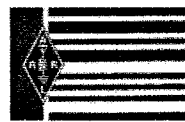
The year 2002 was a great year for amateur radio here in Arizona. We had 4 major fires that used our emergency response resources to the max. Even though the fire in Show Low received the most publicity, the fires in Prescott, Sierra Vista, and Tucson, also caused major damage to our fragile forest and required our support. Hats off to the emergency organizations that took the time to help their communities during these periods, Yavapai, Pima, Cochise, and Apache county ARES/RACES teams. We don't want this to happen again here in Arizona.

Take a moment to review the year 2002 from your eyes and then ask yourself a simple question, "Did I help amateur radio this last year in any way?". If the answer is "NO", then get involved

with the local emergency people and be prepared to work with your community. Most amateur radio operators are very active with local community support, but more is needed. Remember, in the event of an emergency, local telephones will be the first to go down with cell phones next. Most local governments would be lost without their cell phones.

Have you completed the Communications Level 1 Class? This class is very good and it teaches the basic art of emergency communications. If you are not presently taking this class and want to do so, call ARRL Headquarters (Dan Miller, K3UFG) and get all your questions answered. Course cost is \$45.00.

During an emergency condition we want to be prepared and have the necessary training skills to help. Training must take place prior to emergencies, not during the emergency. Many RACES organizations across the country are requiring its members to take this course as part of their membership requirements. Check with the ARRL for the next course starting date. Santa was good to me this Christmas and I now have a digital camera. I will read the instructions and start taking pictures of major events and including them in this article. This article will no longer appear in the QST magazine but it can be found on the ARRL Web site www.arrl.org/sections/index/html and on the state web site www@qsl.net/arrlaz, and www@hamsrus.com If you want me to e-mail you a copy then just drop me a note and I can add you to my e-mail list. There was a change in our state Section Emergency Coordinator position: Tom Fagan, WB7NXH, has replaced Ted Willis, AA7HX. All DEC's will please send their month reports to Tom starting 01 January 2003. Don't forget the Glendale Hamfest on 11 January 2003 at the Glendale Community college. Clifford Hauser, KD6XH; E-mail is kd6xh@arrl.org.



ARRL MEMBERSHIP APPLICATIONS

The ARRL no longer allows clubs a portion on renewals. However, a new program effective October 1, 2001 allows clubs to keep a larger portion of NEW ARRL applications. If you are not a member of the ARRL, join now through the club. Submit your application to me or at any meeting. Remember to include the envelope too. It will save us a few cents on postage. Thanks. David Passell-K6UWV-Treasurer



ARES/RACES NEWS

This month we will look at some of the alternate radio services that could be used in a communications emergency.....

General Mobile Radio Service (GMRS).....

GMRS (formerly known as Class A of the Citizens Radio Service). This is a personal radio service available for the conduct of an individual's personal and family communications. It is regulated by Subpart A of part 95 of the FCC Rules and Regulations. GMRS uses commercial grade UHF-FM radios with an output power of up to 50 watts. Repeater stations are allowed for use in GMRS. There are no antenna height limits except as required by the FAA and Environmental Impact. FCC Rules prohibit auto patch operation or connection to a public switched telephone network. 📡



An FCC license is required to operate in the GMRS. Only individuals 18 years or older are eligible to obtain a new GMRS license. The fee is \$75.00 for a five year license and the license covers the licensee and his/her immediate family.

Multi-Use Radio Service (MURS).....

MURS is a private, two way, short distance voice or data communications service for personal or business activities of the general public. It is not available for the transmission of images. MURS is the new Citizens Band Radio Service which was created in late 2000 by the FCC. They reassigned 5 low power VHF channels from the Private Land Mobile Radio (PLMR) Services to the part 95 Citizens Band Radio Service and eliminated licensing requirements for these frequencies. The five frequencies set aside for the MURS are 151.820, 151.880, 151.940, 154.570 and 154.600 MHZ. Maximum Transmitter Power Output (TPO) allowed is 2 Watts. No devices which amplify power output are allowed. There is no limit on antenna gain. Antenna height is limited to 20 feet above structure or 60 feet above ground, whichever is greater (These are the same limits that apply to the original Citizens Band Radio Service at 27 MHZ). MURS Rules prohibit any kind of repeater device, conventional or 'store and forward' systems. Data transmissions as allowed in Part 95.633 of the FCC Rules are allowed. MURS Rules prohibit auto patch operation or connection to the public switched telephone network. MURS radios may be operated anywhere the FCC Rules permit CB operation. [95.1303] Only radios that are FCC certified to operate in the MURS may be used with the exception of radios manufactured for use under the Business Radio Service prior to the implementation MURS rules.

Family Radio Service (FRS).....

FRS is a private, unlicensed, two-way, very short-distance communications service for facilitating family and group activities [95.401(b)]. FRS is the first and only 'UHF CB' in the United States. FRS is allowed 14 channels in the 462 through 467 MHZ frequency range. FRS Rules do not specifically bar repeaters, but the FCC has not authorized any repeater equipment for use in FRS. Transmit power is limited to .5 Watts. External antennas are not allowed. An FRS antenna must be an 'integral part of the transmitter' and have no gain as compared to a half wave dipole. Only FM voice communications are allowed in FRS and connection to the public switched telephone network is prohibited. FRS radios may only transmit tones to make contact or continue voice communications with a particular FRS unit. FRS radios may be operated in the United States and certain locations specified by the FCC [95.192].

YARC Public Service.....

On Saturday, February 1st YARC has been asked to provide a station at the Willow Springs Girl Scout Camp located off Thumb Butte Road. The operation will run from 0900 to approximately 1600. Our goal is to set up an HF station(s) and try to establish contacts with Foreign countries and/or other parts of the United States. More information will be available at this month's YARC meeting. On Friday, February 14th is the Annual Statehood Day Special Events Station at the Sharlot Hall Museum. Terry and the kids put a lot into this operation so lets come out and give them some needed support. The Whiskey Row Marathon will be coming up Saturday, May 3rd. 18 to 20 operators are needed so put the date on your calendar now and plan to assist. It is an early morning event, but a lot of fun is had by all and the YMCA really

appreciates the communications support. YARC is listed as a Race Sponsor on their banner because of the support we give. Until next month.....

Lloyd Halgunseth WA6ZZJ
Yavapai County ARES/RACES
DEC/Radio Officer
(928) 717-2706
wa6zzj@cableone.net

The Yavapai County ARES/RACES Nets are held Monday evenings at 1845 hours on the 147.220 VVARA Mingus Mountain repeater. The 147.260 Mt. Union Net is held immediately following the 147.220 Net at approximately 1900 hours. Future plans call for linking these two repeaters for emergency and Monday net use. Once we have the repeater link system in place both nets will be combined to begin at 1845 hrs.



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

"You can't work local repeaters because you have a low angle of radiation!"

"You have a great signal. You must have a lot of gain in your antenna"

"Did you hear that? It sounded like someone was trying to capture your signal!"

THEY ARE CLEVER !! ... from Hal-N6OVE

- Arbitrator: A cook that leaves Arby's to work at McDonald's.
- Avoidable : What a bullfighter tries to do.
- Bernadette : The act of torching a mortgage
- Burglarize : What a crook sees with
- Control : A short, ugly inmate
- Counterfeiters : Workers who put together kitchen cabinets
- Eclipse : what an English barber does for a living
- Eyedropper : a clumsy ophthalmologist
- Heroes : what a guy in a boat does
- Left Bank : what the robber did when his bag was full of loot
- Misty : How golfers create divots
- Paradox : two physicians
- Parasites : what you see from the top of the Eiffel Tower.
- Pharmacist : a helper on the farm
- Polarize : what penguins see with
- Primate : removing your spouse from in front of the TV
- Relief : what trees do in the spring
- Rubberneck : what you do to relax your wife
- Seamstress : describes 250 pounds in a size 6
- Selfish : what the owner of a seafood store does
- Sudafed : brought litigation against a government official
- And my favorite.

Subdued: like a guy, like works on one of those, like, submarines,man

ARRL VEC



Volunteer Examiner Testing



The scheduled test dates for 2003 are 2/08, 5/10, 8/09, and 11/08. Time is 1000AM and the location is the Masonic Lodge at 1028 Willow Creek Rd., Prescott.

Additional sessions may be held as needed. All those attending for tests must have **ORIGINAL** license and a copy, **ORIGINAL** CSCE's and 1 photo ID. (VE's-remember to bring and wear your VE - ID Badge!)

Special test sessions may be accommodated according to demands, as needed. The ARRL has announced that the test fee will increase to \$12.00 beginning January 1, 2003. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228.

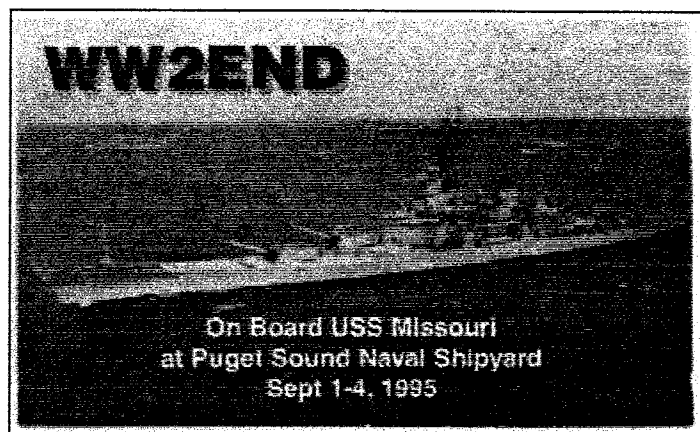
YOUR LOCAL PRESCOTT AREA VE's

AB7KE	Joan Tremper	AB7KF	Bob Nichols
K7KOL	Bob Kane	K7NGK	Don Broadston
KC7AGL	Don Muller	AB7SK	Sasha LeGendre
KJ7KL	Pen Brown	N6LIK	Bob Hoffa
KM6BF	John Wilson	W2YAV	Bill Kafka
W7DC	Bob Harkey	W6CCD	Dick Hughes
W6HDP	Bill Jackson	WB6ODR	Bob Smith

IT PAYS TO BE A MEMBER!

ARRL now provides FCC license renewal, address changes, mods to nonmembers (Jan 1, 2003) - The ARRL has announced that it's now providing FCC Amateur Radio license renewals, address changes and other license modification services to nonmembers. For a \$12 fee, the League will renew a nonmember's Amateur Radio ticket (the license must be *within 90 days* of expiration), file an application to change address or name or request issuance of a new sequential call sign. The ARRL Volunteer Examiner Coordinator is processing these applications. "The \$12 is in line with our calendar year 2003 exam application fee," said ARRL VEC Manager Bart Jahnke, W9JJ. For several years, the ARRL has been handling renewals, address and name changes and modifications free of charge for members and has directed nonmembers to the FCC's free internet or hard-copy application options or to other providers of such services. Jahnke suggests that nonmembers who now choose to employ the League's application handling service also consider adding \$27 (based on the current under-65 full term member rate of \$39) for a full ARRL membership that includes free application handling and other services - not to mention QST. Members or nonmembers taking advantage of this service should submit NCVEC Form 605 to ARRL VEC, 225 Main St, Newington CT 06111 USA for processing. Nonmembers should make the \$12 fee payable to "ARRL." For more information, contact ARRL VEC, vec@arrl.org.

QSL CARD'S WANTED!



From Jerry-KA1BAB, this card was from a Special Event Station commemorating the 50th anniversary of the end of WWII. Note the call sign-spiffy!

Remember, if you have a favorite QSL card that you would like to share, send it to me with a short story about it. If I don't get any, I'll continue boring you with mine! Ed.

FOR SALE

HF rig: Kenwood TS-450
 Speaker SP-23
 Mic
 DC power cord
 Astron RS-20M Power Supply
 \$600.00



Radio Shack HTX-202 Transceiver \$100.00
 (2) Radio Shack HTX-212 Mobile Transceivers \$100.00 each
 W2IHY Audio Equalizer Noise Gate \$50.00
 Astron RS-35M Power Supply \$100.00
 D104 Mic/Astatic Head \$100.00
 Silver Eagle \$100.00
 Diamond Eagle \$100.00
 Alinco VHF FM DJ-S11 Transceiver \$50
 President Speaker 711-SX \$10.00
 IGE 2M Filter Model 413 \$20.00
 Daiwa CN-101L SWR & Power Meter Cross Needle \$50.00

All equipment is sold AS IS, CASH ONLY, no checks.

Contact: Jan Anderson, KC7MLT
 3035 Pleasant Valley Circle
 Prescott, AZ 86305-4148
 928-778-7200
 From 1700-2100 Monday thru Friday, and
 all day Saturday and Sunday



WEEKLY INFORMATION NET - WEDNESDAY NIGHTS @ 7:00 PM
146.880- (100.0 PL) IF YOU DON'T HAVE PL, TRANSMIT ON
146.880 SIMPLEX WHEN THE REPEATER DROPS OUT. ALL
AMATEURS WELCOME.

MONTHLY MEETING - 3rd THURSDAY @ GRANITE MTN MIDDLE
SCHOOL 7:00PM (N 34° 34' 22.6" W 112° 29' 45.1")

NEXT MEETING THURS, FEBRUARY 20, 2003 @ 7:00pm

Wednesday Morning Breakfast-Iron Horse Café, S. Hwy 89 in Chino
Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:00AM. Informal-All are
invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway
Shopping Center, Hwy 69 Prescott Valley. 7:00am. (N 34° 35' 13.3" W
112° 19' 44.6") All are invited.

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

SOME CARTOONS COURTESY OF WORLD RADIO MAGAZINE



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

Visit us on the web at: <http://www.w7yrc.org>

Many thanks to Bob Smith-WB6ODR, our Webmaster!

