

DAVID FASSELL



THE YAVAPAI SIGNAL



### STRUCTURING THE RESTRUCTURING DEBATE

Love it or hate it, the ARRL's recent license restructuring plan certainly has generated considerable debate and controversy within the Amateur Radio community and gotten licenses thinking about what's good and what's not so good about the current system. ARRL Directors report they're getting lots of e-mail on both sides, and the overall trend appears to be in favor of the plan the Board released earlier this month.

Midwest Director Lew Gordon, K4VX, reports that his mail has been running better than two-to-one in favor. New England Director Tom Frenaye, K1KI, said he's having trouble keeping up with the avalanche of comments. "I've received 166 messages from New England hams, and the count is 105-61 in favor of the proposal," he said, adding that he still has about 50 messages to answer.

Some hams have suggested the current system is just fine, and to change it will diminish the status of current licensees. ARRL Executive Vice President David Sumner, K1ZZ, has an answer for the "don't-change-anything" camp, however. "If you're flatly opposed to any change at all, I don't think that you've taken into consideration the changes that have occurred over the past seven years," he said. For example, Sumner points out that the Novice license—instituted in 1951—no longer is the route of entry to Amateur Radio for more than about 5% of the amateur population. Other than 10 meters, the Novice bands "are significantly underutilized," he observed. Sumner says amateurs can't make a case for additional bands if the present allocations aren't being used to capacity.

In recent years, most of those coming into the hobby have come in as Technicians. Nevertheless, they still must pass the Novice element, which includes questions on HF that are irrelevant to Technician ops. "This pretty much forces you to accept the fact that there must be some change," he said. "The real issue is how far should that change go, and on that, reasonable people can and will differ, and we'll be discussing that over the coming months as the process goes forward."

Sumner said nothing is cast in stone at this point, and if better ideas surface as a result of the current debate, "there will be every chance for those to be reflected in the ultimate FCC action."

The ARRL has sent a copy of its restructuring proposals to the FCC in a letter, but the League has not petitioned for a rulemaking as it awaits the Commission's own ham radio restructuring proposal, still in the draft stages. There's still no definite word on when the FCC's proposal will be made public. "Things are moving along," said an FCC spokesman, who added that the Commission has begun getting comments on the ARRL's proposal. The FCC is expected to issue a Notice of Proposed Rulemaking that also will seek input from amateurs on various alternatives. The FCC spokesman suggested that hams wait until the Commission's proposal goes public before commenting on the issue. (From the ARRL's ARRL Letter of 7/31/98)

**FCC STREAMLINES AWAY NOVICE, TECH PLUS TICKETS** The FCC has proposed to phase out the Novice and Technician Plus class licenses, leaving just four amateur license classes in place—Technician, General, Advanced, and Extra. The Commission also has asked the amateur community to express its opinions on Morse code requirements for licensing and testing, but offered no specific changes. And the FCC proposed to permit Advanced class licensees to administer amateur exams up through General class. The proposals were among several suggested rules changes and invitations to comment contained in an FCC Notice of Proposed Rulemaking, WT Docket 98-143, made public August 10. (Continued on Page 2)

Given the December 1 comment and January 15 reply comment deadlines, it's likely that the issues the NPRM raises won't be resolved until well into next year.

In proposing to phase out the Novice and Tech Plus tickets, the FCC pointed to what it called "an unnecessary overlap between the Novice, Technician, and Technician Plus," and asserted that Technician and Tech Plus operators "predominantly" use FM and packet on VHF and UHF. The FCC said Novice applicants last year numbered fewer than 1000, while there were nearly 21,500 Technician applications.

Under the FCC plan, Novice and Tech Plus licensees would retain current operating privileges, but no new Novice or Tech Plus licenses would be granted. For examination purposes, current examination elements 2 and 3A would be combined into a new element 3A. For administrative purposes, the FCC would combine the current Technician and Tech Plus databases into a single Technician database.

The proposal would eliminate the 5 WPM code test, Element 1A, as a required element for any class of license, while retaining references to it elsewhere in the rules. This has left hams wondering exactly what the Commission intends. The elimination of the Novice and Tech Plus license classes and Element 1A as a requirement appear to effectively raise the bar for most future applicants wanting HF operating privileges, unless the FCC ultimately reduces Morse code requirements.

The FCC did not propose to change any operating frequencies or license privileges for amateurs. However, the FCC does seek comment on the disposition of the current Novice HF bands, which carry a 200-W output power limit for all licensees. The FCC invited comment on whether it would be "appropriate" to delete the Novice bands and the power restrictions on higher-class licensees and permit Novices to operate CW anywhere on 80, 40, 15, and 10 meters at 200 W output.

The FCC opened the door to comments on all aspects of Morse code testing from the amateur community. In particular, the Commission said it wants to know if hams prefer the current three-level system or would like to see it reduced to a one or two-tier system--and, if so, at what required speeds. The FCC asked whether hams would be willing to trade a reduction in Morse code requirements for additional written elements on newer digital technologies "which, in part, are replacing the Morse code." And, the Commission asked whether it should consider specifying Morse code examination methods, such as fill-in-the-blank or one minute of solid copy, instead of allowing VEs to determine the testing method. (From the ARRL's ARRL Letter of 8/14/98)

## FCC PROPOSES OTHER AMATEUR RADIO RULES CHANGES

In its Notice of Proposed Rulemaking, WT Docket WT

98-143, the FCC seeks comments on how to deal with potential abuses of the current disability waiver for higher-speed Morse code tests. In its proposed rules, however, the FCC has altogether deleted current language regarding a physician's certification to waive the 13 or 20 WPM Morse requirement. In RM-9196, the ARRL had asked the FCC to require anyone applying for an exemption pursuant to a doctor's certification to first attempt the higher-speed test before examination credit could be given. The League also asked that VECs have access to relevant medical information from the certifying physician. The FCC said the ARRL's proposal would place "an unfair burden on examinees" and raised serious privacy and confidentiality issues.

The FCC went along with an ARRL petition and proposed allowing Advanced class hams to be eligible to prepare and administer license examinations up through General class under the VE program. The Commission said the change would permit greater testing opportunities for hams. The FCC also invited comments on whether it should change written examination requirements "to provide VEs and VECs additional flexibility in determining the specific contents of written examinations."

Referring to yet another ARRL petition, RM-9150, the FCC invited comments on how it can improve its Amateur Radio enforcement processes. The FCC applauded the ARRL "for its creative thinking" in that petition, but said the specific proposal was "inconsistent" with the current statutory role of administrative law judges. The FCC raised the possibility of encouraging complainants to include a draft order "to show cause to initiate a revocation or cease and desist hearing proceeding." The FCC said it also wants to hear how it can better use the services of the Amateur Auxiliary in beefing up enforcement.

The FCC proposed to phase out Radio Amateur Civil Emergency Service, or RACES, stations by not renewing their licenses. No new RACES licenses have been issued since 1980, and only 249 valid licenses remain. The FCC said RACES stations no longer are needed because any amateur station that has been properly registered with a civil defense organization has the same privileges as a RACES station. The FCC also used the occasion to clarify the definition of "power" as used in the RF exposure table in Section 97.13(c)(1). The FCC said it refers to peak envelope power (PEP) input to the antenna. It also made clear that no one holding an FCC-issued ham ticket may apply for a reciprocal permit for alien amateur licensees.

Without comment in the NPRM text, the FCC also appears to have eliminated the 365-day time limit for a Certification of Successful Completion of Examination (CSCE) to remain valid. The current 365-day limit remains in proposed wording in Section 97.9(b), Operator license, however.

The FCC is expected to issue an erratum to correct outright errors in the NPRM, but it has no plans to clarify the Commission's intent on individual issues.

The FCC set a longer-than-normal comment period. The deadline for comments is December 1, 1998. The deadline for reply comments is January 15, 1999. The FCC will accept electronic comments via the Internet at <http://www.fcc.gov/e-file/ecfs.html>.

A copy of the complete NPRM has been posted on the ARRL Web page, <http://www.arrl.org>. The FCC NPRM also can be downloaded from the FCC Web site in WordPerfect 5.1 and text versions as

<http://www.fcc.gov/Bureaus/Wireless/Notices/1998/fcc98183.wp>  
...or...

<http://www.fcc.gov/Bureaus/Wireless/Notices/1998/fcc98183.txt> ...  
respectively.

An article and an editorial in the October issue of QST will explore the FCC's NPRM and its implications in greater detail



## The American Radio Relay League

**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



### 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



August 29-30 Hawaii QSO Party



Special Event Station-Pikes Peak-Colorado VHF Group-Work stations on 146.55, 223.5 and 446.0



Sept 12-14 ARRL September VHF QSO Party



October 17-18 Jamboree On The Air



November 14 VE Testing @ Blind Center, Prescott

More information on Contests and other events can be found in QST, WORLDRADIO, and other publications.



**CLUB REPEATER.** The local 2-Meter repeater on 146.880- (100.0 PL), is the official adopted repeater for the YARC. If you don't have PL, transmit on 146.880 simplex after the

repeater drops out. Many thanks to Bill Kafka-W2YAV for the upkeep and use of the repeater.



### JULY MEETING MINUTES

The meeting was called to order by Bob Kane, K7KOL, President, at 7:05PM with 39 present. Three visitors from ARRL were introduced. Fried Heyn, WA6WZO

is our South West Director. Cliff Hauser, KD6XH is our Section Manager. Rick Palm, K1CE is our Field Services Manager.

Our ARRL visitors spoke about ARRL and their roles in the League. They answered questions and comments from our club members and thanked Lloyd Halgunseth, WA6ZZJ for his work with the ARES group.

Bob Kane, K7KOL, was presented a Certificate of Appreciation by the Yavapai County Office of Emergency Management for doing a great job improving the amateur radio station equipment located in city hall.

The minutes of May's meeting were read by Secretary, Kris Bearscove, KC7UNK. A motion was made by Tony Masvidal to accept the minutes as read. The motion was seconded by Lee Cunningham and carried through by unanimous vote.

The treasurer's report was given by Treasurer, Fred Shefflette, KC7TIN. The bank balance had \$497.77 and the refreshment fund had \$57.79.

**OLD BUSINESS** Lee Cunningham, KC7CBK, reported on the antenna ordinance in Prescott Valley. It's coming along pretty well with acceptable outcomes.

Terry Pemberton, KB7TRE, reported that field day went great. Terry and Greg, from the middle school, along with Greg's Dad, operated at field day and had much fun.

**NEW BUSINESS** Terry Pemberton, KB7TRE reminded everyone that American Education Week is coming up. Our club plans on operating an event station.

Kris Bearscove, KC7UNK, suggested that our club start participating in local community parades. This would help spread the word about amateur radio and bring to light that "hams" are in the community ready to help. Bob Kane added that we don't do enough to "blow our horns."

It was announced that next month, August 30, 1998, there will be a meeting of the Board of Directors at 6:00pm at the Granite Mountain Middle School.

Willard Barr, KB7YVZ, announced a garage sale that will be held for a woman who need a pancreas and kidney transplant. \$4000 is needed for the operation.

The refreshment raffle was \$11.50 won by Tony Masvidal, W7PCU. Tony gratefully donated the money back to the club.

With no further business, the meeting was adjourned at 8:29PM.

Respectfully submitted by secretary, Kris Bearscove.




## MEETING PROGRAMS. HELP!

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



### Club officers for 1998 are:

President - Bob Kane-K7KOL  
 Vice President - Lloyd Halgunseth-WA6ZZJ  
 Secretary - Kris Bearscove-KC7UNK  
 Treasurer - Fred Shefflette-KC7TIN  
 Board Members - Bob Rosevear WB7RRQ, Terry Pemberton KB7TRE, Pen Brown-KJ7KL, Tony Masvidal-W7PCU 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: Lloyd Halgunseth-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 Passell-K6UWV  
 Programs & Entertainment: Bob Kane-K7KOL  
 Publicity: Tony.Masvidal-W7PCU  
 Training & Technology: Vern Gregory-N7VG  
 Volunteer Examiner Testing: John-KM6BF and Dave-W9KRQ



## STRICTLY EDITORIAL!

### NEW LICENSE PROPOSAL-GOOD OR BAD?

There is a possibility of a major change in the amateur radio licensing structure, and it seems to be the topic of conversation daily on repeaters, HF, and club meetings. Regardless of what you may think about the ARRL's proposed license restructuring, it is important to convey your thoughts to those who are in a position to make decisions that may affect all of us. However, the biggest problem seems to be coming from non-ARRL members and these non-members are benefiting from whatever actions the ARRL takes. The ARRL is virtually the only body that represents U.S. amateurs before the FCC, Congress, and other governmental bodies. Without sufficient numbers representing the general makeup of amateurs, the ARRL can only act on what they perceive as input from members. Membership in the ARRL

appears to only represent a small percentage of licensed amateur in the U.S.

If you do not belong to the ARRL, you shouldn't be out there expressing your opinions about an organization that can benefit you.

If you do belong to the ARRL, then you can at least have legitimate input to an organization that represents you.

The league is there to serve you and help you, but it cannot survive without membership to support it. I urge any and all amateurs to join the ARRL and then have a legitimate part in expressing your opinions for change, if needed, like it or not!

John Wilson-KM6BF, Editor



## PRESIDENTS CORNER

### STARDUST

The names of more than a million people will be sent into outer space next February via NASA's Stardust spacecraft. The Stardust will be carrying microchips bearing the electronically engraved names of private citizens who want have some contact with the cosmos. The Stardust spacecraft is designed to make a trip to the Comet Wild 2. It will actually come within 100 miles of it, and then return to Earth in the year 2006. When it arrives back home it should be carrying samples of comet dust, and over a hundred high resolution photos of the comet's surface. (Published news reports via the ARRL's ARRL Letter 8/14/98)

73, Bob-K7KOL



## THE NEWSLETTER

With the vast resources available to us, I thought it would be interesting to include articles from other club newsletters. One search engine on the WWW had 400+ club web sites listed and many of them put their newsletter on-line. Some good, some so-so, some not-so-good! However, I will attempt to put at least one article from another club in our newsletter each month. 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. E-mail your articles to: [km6bf@primenet.com](mailto:km6bf@primenet.com)

### From the Cincinnati FM Club Home Page

Next Meeting:  
 Wednesday, April 1, 1998. 7:30 PM.  
 Mobilcomm, 1211 W. Sharon Rd. Greenhills, OH 45240

Program: AMSAT Gerd Schrick, WB8IFM This program was originally scheduled for February meeting which was cancelled due to the snow storm.

President's Message Don King WB4QIT

(continued on page 5)

This seems a little like a rerun as our February meeting was canceled due to snow. I appreciate Steve N8RTY handling the situation. I was "snowed-in" out of town at the time.

The program for this month is the one that was scheduled for the February meeting and promises to be very interesting. Thanks to Hank for another fine job. Get the details elsewhere in the Spark.

The Executive Committee continues to meet and progress is being made.

The new codes are in place and new laminated cards were sent to all current members. I want to thank Eric for providing the cards. The codes will be changed each year at the end of February or as needed. All systems are working well as most of the problems have been corrected. The .03 controller has not been ordered but a decision on which one to buy is expected soon.

Our control operators have been doing a great job and we appreciate their efforts. This function has been made a part of the Operations Committee. The position of Chief Control Operator was created to organize and direct the activities of the control ops. Currently Eric is functioning in this position. In addition to being responsible for maintaining repeater codes, he has written guidelines for the control ops to follow.

A nominating committee, chaired by Richard, KC8TW, and made up of the Directors, was formed to present a slate of officers for the April meeting. The election will take place at the June meeting.

There doesn't seem to be a lot of activity on the machines, especially .88, during the morning and evening drive times. Make an effort to get on, particularly when you hear a new call and make them welcome. Invite them to a meeting!

Hope to see each of you on Wednesday, April 1st.

73, Don, WB4QIT



## From the FAQ (Frequently Asked

Questions) files



## WHY PL TONES?

A SIMPLE EXPLANATION Part 1 of 2  
by John Wilson, KM6BF

Why PL? This question has been one of the most asked among hams, both old and new. PL or "Private-Line", as named by its inventor, Motorola, is a term used to describe a sub-audible tone used for in radio systems. It has been described to be like the key to a lock-the right key will open the lock. PL consists of a low, almost inaudible tone that is transmitted along with the carrier and mixed with the audio. A receiver having the right PL will then pass audio through to the speaker. The 38 standard PL tones range from 67.0 Hz to 250.3 Hz. PL is also known as CTCSS or Continuous Tone Coded Squelch System. Some manufacturers used different names such as "Channel Guard" or "Quiet Channel", but it was all the same. One manufacturer eventually came out with a different version using DCS or "Digitally Coded Squelch", but the result was the same. The major drawback to DCS is that it was not compatible with CTCSS

PL has been around for many years. It was used in commercial radio systems to eliminate hearing others which may have been on the same frequency in nearby areas. Those users of a particular system with PL would only hear those with the same tone. It was somewhat of a cure in larger metropolitan areas where many users were co-channelled. It didn't however, eliminate the signal, you just didn't hear them any more.

Burst tones were also used by many radio systems. A short audible tone was sent each time the radio was keyed. The result there was also the same, but the popularity declined as it was not compatible with other systems either. Today, very few systems use burst tones. They were also somewhat of an annoyance to others because the tone was audible and you would have to wait for the tone to be sent before you could talk.

As repeaters became popular among commercial users, PL became more important, especially to users of mountain top sites where the repeaters receiver could pick up signals sometimes several hundred miles away. PL was used to allow access to the repeater only to those using that particular system, ignoring all other signals. This required extensive repeater coordination efforts to assure that 2 repeaters were not using the same tone(s). Multiple PL tones were sometimes used within a particular system for various purposes. For example, a repeater covering a large area could have different tones to communicate with mobile units in different geographical areas. Multiple PL's could also allow several different users to share the same repeater. However, this created another problem, as many users were not aware that the repeater was already in use by another user and would proceed to transmit. Modern technology allowed some radios to have "Busy Channel Lockout", and the radio would not transmit until the frequency was clear.

PL is not new to amateur radio. As mountain top repeaters became more popular, so did the exposure to unwanted noise. One method to prevent unwanted signals from activating the repeater was to use PL. This did not cure the problem, but it certainly helped. As amateur spectrum became more crowded, there were more and more repeaters co-channelled on the same frequency. Users located within access of 2 or more repeaters on the same frequency would experience the problem of keying up one or more at the same time. If these repeaters were using different PL tones, only the desired repeater would be activated by the user.

To clear up a common misconception, a PL'd amateur repeater does not necessarily mean that it is a CLOSED repeater. While most CLOSED repeaters are PL'd, more and more open repeaters are going to PL access. Amateur radio repeater coordinators around the country have determined that eventual installation of PL on all repeaters will help eliminate a lot of co-channel interference and complaints. PL does not prevent unwanted users either. How many of you have "kerchunked" a repeater while stepping through all of the 38 PL tones until you found the right one? Some PL's are published, some are not. It's strictly up to the repeater owner or licensee to determine the status of the repeater.

With more repeaters going to PL, this has created a new topic of discussion among many of the users, as there are still many radios in use that did not have PL capability. However, all is not lost. Several manufacturers have available small PL tone boards that can be installed in virtually any radio. Some are the size of a postage stamp and will encode all 38 tones. The cost is anywhere from \$25.00-\$50.00 and can be installed in less than an hour. Those desiring multiple PL capability with these boards can install a small outboard rotary switch or dip switches to select the desired tone as needed. Some outboard units are also available that allow easy selection of the desired tone.

PART 2 WILL CONCLUDE NEXT MONTH

**PAST PRESIDENTS FORUM.....**

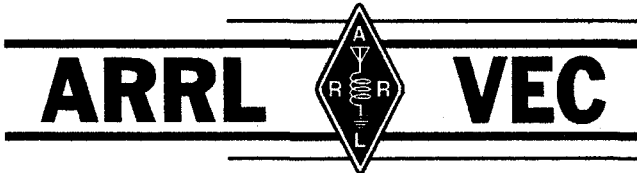
**THE ARRL's PROPOSED UPGRADE METHOD?**

**Well... I Can Dream, Can't I?** by Bandel Linn K4PP

"We've discovered a new high-speed way to learn the code! This shot will make you a 25-word-per-minute man immediately!"



73 to all, Matt-KJ7DX



**VE TESTING.**

A test session was held on August 8 at the Blind Center. Though a small turnout, there were 5 candidates who were administered 8 elements. There was 1 new NOVICE, and 3 General Class Upgrades. Congratulations to those who passed and thanks to those VE's who participated.

The final testing schedule for 1998 will be Saturday November 14 at 10:00AM.



All those attending for tests must have **ORIGINAL** license and a copy, Original CSCE's and 1 photo ID.

Special test sessions may be accommodated according to demands, as needed. The test fee for 1998 will be \$6.35. Further information can be obtained by contacting John Wilson-KM6BF at 636-1228 or Dave Rutledge-W9KRQ at 541-1225.

**YOUR LOCAL PRESCOTT AREA VE's**

- |        |                 |        |                 |
|--------|-----------------|--------|-----------------|
| AB7KE  | Joan Tremper    | AB7KF  | Bob Nichols     |
| AB7NK  | Mary Miraldi    | AB7VH  | Ruth Enabnit    |
| K7KOL  | Bob Kane        | KA7NGK | Don Broadston   |
| KB7FRV | Leonard Beers   | KC7AGL | Don Muller      |
| AB7SK  | Ginger LeGendre | KK7JH  | Billy Peters    |
| KG7OL  | David Miller    | KI7EB  | Bill Thrift     |
| KI7MA  | John Dawson     | KJ7DX  | Matt Strandberg |
| KJ7KL  | Pen Brown       | KM6BF  | John Wilson     |
| N7VG   | Vern Gregory    | W2YAV  | Bill Kafka      |
| W6HDP  | Bill Jackson    | W9KRQ  | Dave Rutledge   |
| W7DC   | Bob Harkey      | W7HP   | Jim Perrone     |
| WF7J   | Walt Loesche    |        |                 |



**ARES NET.** The Prescott Area ARES NET is conducted every Wednesday night after the YARC NET on the 146.880- repeater. A PL tone of 100.0 Hz is needed. If you don't have PL, transmit on 146.880 simplex, after the repeater drops out. For further information about ARES, contact Lloyd, WA6ZZJ



**NEWS of INTEREST**

by Pen Brown-KJ7KL

**RULES REVIEW**

In 1996, new guidelines and procedures were adopted by the FCC regarding human exposure to environmental radio frequency (RF) electromagnetic fields.

Although there is some debate going on that these rules were improperly implemented, they are at this time in effect so that anytime someone fills out form 610, will be signing that they have READ and WILL COMPLY with section 97.13 (c) regarding radiation safety.

Since this is the case, it would be a wise idea to read any and all material regarding this subject. So with this in mind, the ARRL has come up with a publication titled RF Exposure and You by Ed Hare, W1RFI. This book cost \$15.00 and seems to cover all the questions a ham could possibly ask about this issue.

As you read through this book, keep in mind that there is no proof that exposure to RF energy is in fact harmful as this debate has been going

on for many years and will continue to do so. Perhaps this is an effort to limit harmful exposure, just in case, for your safety of course.

Rex Mauldin, N7NGM

### 6 METER REPEATER DX'ing

By the time you read this the current skip season will be about over for 6 meters FM. The next time openings will start to occur should happen around December and continue until March. During this quiet time, late July to late November, preparations should be made for improving your station for the next opening.

Most all of the 6 meter users are well aware of the popular calling frequency of 52.525. I have noticed that many hams who get on 6 meters will stay on this frequency and maybe move to the local repeater or off to SSB.

There is the interesting aspect of working a repeater in some other state. Working someone else via a repeater is a challenge as the conditions are as changing rapidly, which is what adds to the fun.

I can recall one station in Missouri talking through the local Mt. Union repeater to another station near Portland Oregon almost full quieting for nearly 15-20 minutes.

Rex Mauldin-N7NGM

### GUATEMALA HAMS WANT BANDS BACK

Guatemala's national ham radio society is telling that nations government and its people to give hams back their UHF and SHF bands. Unfortunately, Guatemalan telecommunications regulators are turning a deaf ear to that nations Amateur Radio community.

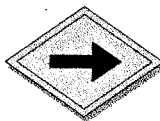
As previously reported, the Guatemala Congress reallocated almost half of all the UHF and SHF frequencies used by that countries hams. The 1996 action included a formerly shared allocation from 430 to 440 MHz band and all Super High Frequency bands. All of that spectrum has now been sold into commercial use with land mobile stations already operating in the former 70 centimeter ham radio band.

Now Newslines has received reports from Guatemalan hams who say the Club de Radioaficionados de Guatamal has issued what it terms as a call to the Guatemalan public conscience. This, as part of its effort to get the government to restore ham radio access to these bands. The society has also presented a formal request to the Guatemalan Ministry of Communications to restore 430 to 440 MHz to Amateur Radio use.

But the Guatemalan hams also admit that so far all attempts have failed. They say that the Guatemalan government is simply ignoring their pleas and acting as if hams do not even exist.

And thats why Guatemalan hams are taking their case to the court public opinion. They are telling the people that the government ignored the objections of Guatemala's ham radio community to the unilateral reallocation of these bands. They want public support for returning the frequencies to Amateur Radio use.

(Radio Club of Guatemala, others via NEWSLINE 8/14/98)



SAY WHAT? 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:

"You need that 162 MHz tone to get into the repeater."

"Wow, I just had an out-of-band experience!"

"That's a good low floor noise radio!"

"My mag-mount antenna kept getting knocked off, so I glued it on the roof!"

"I'm not going to try to upgrade any more. I'll just wait to get grandfathered."

"If there were a repeater on the moon, who would be the coordinator?"

"Ham radio is a lot like 'Home Improvement', MORE POWER!"

Joe: "I'm using a new 6 element beam."  
Bob: "Is that a 1/4 wave or a 5/8 wave?"

"Just think what it would be like if all the repeaters in Arizona were linked together!"



There are none so blind as those who don't see!

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



**WE WANT YOU!**

**YARC Membership.** Dues for membership in the Yavapai Amateur Radio Club are \$12.00 per calendar year from January 1 or \$6.00 for the remainder of the year after July 1. Dues may be paid at any club meeting or mailed to the club address. Newsletters will be mailed ONLY to those members who do not attend a meeting and who are current. Contact any club officer for further information.





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

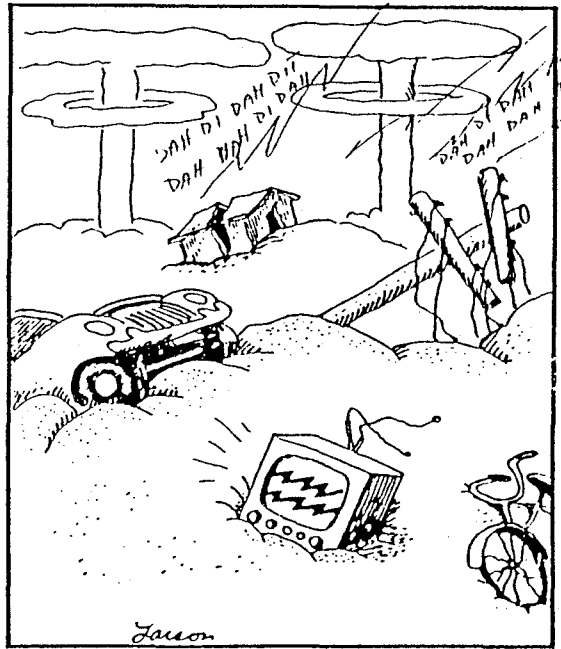
**MONTHLY MEETING** - 3rd THURSDAY

@ GRANITE MTN MIDDLE SCHOOL 7:00PM  
 NEXT MEETING THURS. SEPTEMBER 17 @ 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 "Is there a Coffee Pourers  
 College?"

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



"This is a test. For the next thirty seconds, this  
 station will conduct a test of the emergency  
 broadcast system ..."

CARTOONS COURTESY OF  
 WORLD RADIO™ MAGAZINE  
 (A great publication-check it out!)

YAVAPAI AMATEUR RADIO CLUB  
 PO BOX 11994  
 PRESCOTT AZ 86304



WHEN ALL ELSE FAILS,  
 AMATEUR RADIO FOREVER!!  
 THANKS JERRY!

082098 - Sign up sheet for Road Rallye  
 UNFINISHED UPL279Y FINAL MEETING ON ANTENNAS  
 071498 - Police Report  
 HAMS NOT INCLUDED IN PRESENT GROWANCES  
 ANTENNAS LIMITED TO 35 FEET.

RACESTORES 147.220 MINCUS MOUNTAIN RPTA  
 MT UNION - PACNET TO PHOENIX  
 FUTURE 2MTR - WITH LINK TO MINCUS

We will get involved with FCC/ARRL TO SUPPORT  
 NEW LICENSING STRUCTURE  
 - BIC THREE - CODE CHANGES 12, 5, 0  
 12- ADVANCED/EXTRA

- WE USE ALL GOODIES

- 12 DCNUTS
- 20 CLEAR SIGNAL BITS
- 3 CHOC CLIP
- 30 BANANA HOLES
- 12 - ROOSTERS
- 7 - " "

Vocal Tee [www.vocaltex.com](http://www.vocaltex.com)

NET SAREX - SIS 93

VIDEO ON NAVJO CODE TALKERS