

The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB
PRESCOTT, ARIZONA DM-34
VOL 9 - No. 12
DECEMBER, 1999**



WELCOME TO THE YAVAPAI AMATEUR RADIO CLUB The Yavapai Amateur Radio Club is an ARRL affiliated club. The club participates in many activities in the tri-city area including providing communications for local events, emergency

communications, volunteer exams, and promotion of the hobby throughout the community. Membership in the YARC is open to any interested amateur or non-amateur alike. The YARC meets at 7:00 PM local time on the 3rd Thursday of every month at the Granite Mountain Middle School, 1800 Williamson Valley Rd. in Prescott. It is about 1/2 mile north of Iron Springs Rd and all amateurs and non-amateurs as well are invited. Programs of interest are included as part of the meeting. The weekly NET is held every Wednesday at 7:00 PM local time on the 146.880- repeater. All amateurs are invited to participate and visitors are always welcome. The Yavapai County ARES/RACES NET is held on Monday nights approximately at 6:45PM local time on the 147.220+ repeater on Mingus Mtn.



YARC OFFICERS for 1999

Lee Cunningham, KC7CBK	President*
Hal Tritel, N6OVE	VicePresident*
John Wilson-KM6BF	Secretary*
Fred Schefflette-KC7TIN	Treasurer*

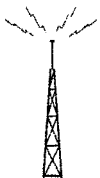
YARC BOARD OF DIRECTORS

*Includes Club Officers

Bob Kane, K7KOL	Frank Homeff WA6JBV
Dale Leslie, N7XFD	

NEWSLETTER EDITOR John Wilson-KM6BF

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. Many thanks to Bill Kafka, W2YAV for the upkeep and use of the repeater.



HAPPY HOLIDAYS TO ALL AMATEURS, EVERYWHERE! MAY YOUR STOCKING BE FILLED WITH LOTS OF HAM GOODIES!



The Board of Trustees, Faculty and Graduating Class of Embry-Riddle Aeronautical University announce that Kristian Jens Bearscove is a candidate for the degree of Bachelor of Science in Aeronautical Science at Commencement Exercises Saturday, December 18, 1999 at 10:00 AM at the Student Activity Center Complex on the University Campus Prescott, Arizona. Reception immediately following Commencement Exercises.

CONGRATULATIONS to Kris, KC7UNK and best wishes for a great future.

Y2K SAFETY

My personnel opinion on Y2K issue. For all you computer owners and for any electronics you may want to save. I don't have a computer myself, but I do have WebTV, a computer terminal (main frame in San Francisco), plus lots of electronics. On December 31st, 1999 suggest turning off and unplugging from the wall your equipment from 10pm on. Including your telephone line to the modem. Hopefully nothing will happen that night, but if we do have a small brown out or a total black out. the surge may take out many things (keep freezer plugged in). I do not trust surge protectors except for small surges. Mine didn't protect my radios during a storm. Yes 110vac is different but you never know. They are generally good for a couple of hits. If you don't mind paying a deductible and spending time with insurance companies don't do anything. I for one can't. Again, my personnel opinion. 73's Tony-W7PCU

ARRL EXECUTIVE COMMITTEE TO TACKLE REGULATORY ISSUES

NEWINGTON, CT, Dec 2, 1999—When it meets Saturday in Dallas, Texas, the ARRL Executive Committee will tackle a lengthy list of FCC regulatory issues, not the least of which is the current status of the long-awaited amateur license restructuring proceeding. →

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The EC will hear a status report on the restructuring proceeding—known formally as the Part 97 Biennial Review, WT Docket 98-143. The proceeding drew more than 2200 comments from the amateur community. The Committee also will hear a report on lobbying efforts to expedite the restructuring proceeding and may consider options to address possible outcomes once the FCC releases its Report and Order. That could happen before the year is out.

The EC also will discuss recommending that the League file a petition for partial reconsideration of the recent FCC Order dismissing the ARRL's petition to enhance PRB-1. On November 18, the FCC turned down the 1996 ARRL petition that had asked the Commission to go further in compelling state and local governments to reasonably accommodate Amateur Radio and apply the least restrictive means to regulate amateur antennas and activity. The requested rules changes would have expanded and clarified PRB-1, the Federal preemption of state and local regulation spelled out by the FCC in 1985 and since incorporated into the laws of several states.

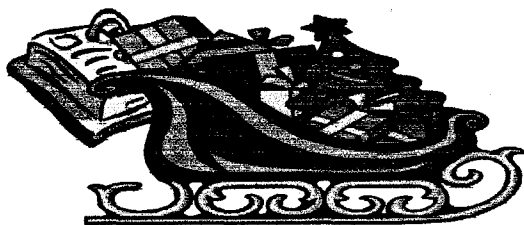
The Executive Committee also will hear a status report and discussion of late-filed comments opposing the League's October 1998 petition to secure LF amateur bands at 136 kHz and at 160-190 kHz. That petition has been designated RM-9404.

The EC also plans to discuss the status and comments being filed on petitions by Los Angeles County, California, for an experimental license to develop a public safety video system on the → 2.4 GHz band. The ARRL has called the application a "foot in the door" toward gaining a permanent berth in the band and has asked the FCC to deny the application. A second, similar application has been filed by the City of Los Angeles.

Among other FCC matters on the EC's plate this weekend are ET Docket 98-80, which involves changes to conducted emission limits for Part 15 and Part 18 devices; FCC inaction in the Report and Order on ET Docket 98-85 on the League's request for nongovernment primary access to 5.650-5.725 and 5.825-5.850 GHz; and the recently issued FCC "Guiding Principles for Spectrum Management" and any implications for amateur bands and additional sharing proposals, especially with respect to the 216-220, 2300-2305, 2400-2402 and 2417-2450 MHz bands.

The Committee also will discuss legal and organizational issues, antenna and RFI matters, the status of the Amateur Radio Spectrum Protection Act, HR-783, and other topics.

ARRL President Rod Stafford, W6ROD, chairs the Executive Committee. Members are First Vice President Steve Mendelsohn, W2ML; Hudson Director Frank Fallon, N2FF; Southwestern Director Fried Heyn, WA6WZO; Atlantic Director Kay Craigie, WT3P; Dakota Director Tod Olson, K0TO, and ARRL Executive Vice President David Sumner, K1ZZ.



UPCOMING EVENTS OF INTEREST

- ▶ January 15, 2000 NA QSO Party-CW
- ▶ January 15, 2000 (Saturday) ARCA/Hamfest, Glendale Comm College. Sunup to ?
- ▶ January 23, 2000 NA QSO Party-SSB
- ▶ January 22-24, 2000 ARRL VHF Sweepstakes
- ▶ January 29-31, 2000 CQ 160 Meter Contest-CW
- ▶ February 12, 2000-VE Testing, Prescott

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



NOVEMBER MEETING

The November meeting was called to order at 1902 by President Lee Cunningham-KC7CBK. Our visitor was Rick-N7TXH. Also a member of our club but from the other side of the mountain was Bob, K8EQC was good seeing him.

Tony-W7PCU read the minutes. Minutes were approved. The treasurer, Fred-KC7TIN gave us the financial report. General fund was \$304.25, the repeater fund was \$260.50, refreshment was \$55.83 and the total balance was \$564.75. There was no unfinished business. The jamboree special event station was held and 7 members of the club showed up to assist. Many contacts were made including Ireland and England. A job well done by all. Terry-KB7TRE has the special event call K7A for the Sharlot Hall Museum on February 14th, 2000. The club received a check from the SCCA, which was put into the repeater fund. The (a) secretary will be sending a thank you letter to the SCCA (PFR) for the donation.

Tony-W7PCU has sent into the SCCA website public relations person a link to the YARC website. Bob-K7KOL announced that we have to vote on new club officers for the year 2000. John-KM6BF as editor was not present for report. Pen-KJ7KL was not present either. The next VE testing will be held on February 12th, 2000.

Lloyd-WA6ZZJ said on May 16th, Saturday will be the Whisky Row Marathon, mark your calendars, will need operators. The new RACES/ARES repeater on 147.26 on Mt Union with a PL103.5 is→

up and working. Great job to all involved. Anyone wishing to see the website it is: www.umog.com/union.htm

Y2K plan needs operators. Lee-KC7CBK is the AEC for Prescott. Bob-WB6QDR webmaster says the website will be updated shortly. Board meeting on December 16th at 6pm. Meeting ended 7:36pm.

Results of the elections are:

President- Lee Cunningham/KC7CBK

Vice-Pres-Terry Pemberton/KB7TRE

Sec-John Wilson/KM6BF

Tres-Fred Shefflette/KC7TIN

Board members: Bob Kane/K7KOL, Dale Leslie/N7XFD

Frank Horneff/WA6JBV, Tony Masvidal/W7PCU.

Congratulations to all.

Program for the night was by Fred/N7PJN, on multiple battery power sources for hand helds or other radios. Good demonstration.



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.



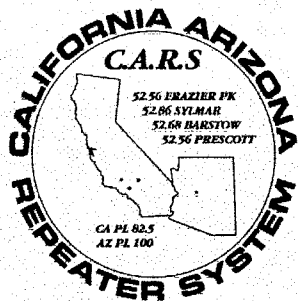
THE NEWSLETTER

If you have anything to share, please feel free to submit it for inclusion in the newsletter. We welcome your suggestions, comments, stories, personal experiences, or other items related to the hobby. Send e-mail to: km6bf@primenet.com
Occasionally we will have articles from other clubs newsletters:

This month we would like to pass on information from the 6-Meter Repeater and Website operated by Rex Mauldin-N7NGM:

C.A.R.S. HISTORY

It all began in the Spring of 1992, when equipment was brought from California to Prescott and proceeded to be set up to be on the air. The very same day of its official operation, a ham in Beaverton Oregon checked in, being only aware of the other 52.56 repeater located in California.



George has since become a regular user of either or both repeaters when the band conditions allow which, unfortunately, is not often enough! Eventually, a site was located on Mt. Union. So in the fall of 1992, it was finally placed on the mountaintop where it has been ever since.

Sometime in 1982, the Lake Hughes N6BKL/R" open repeater was in service on a pair of 52.86/52.26. It was put into service to provide coverage for the northern half of CA where the Castro Peak WB6CHI/R fell off. Radio assistance for support crews working the annual 200 mile bicycle tour known as the "Tour of Two Forests" was the primary incentive for establishing this repeater. At the time, the repeater was located at a private 3900' ridge top estate known as the "Sky Haven Ranch", formerly a home of Roy Rogers and wife Dale.

By 1983, the ARRL sanctioned Southern California Six Meter Club was formed. Also during this time, the Thursday evening net began using the Castro Peak repeater high above Los Angeles to spread club news and share all information relating to the 6-meter band. In 1987, the Lake Hughes repeater was moved to another ridge top residence above Tehachapi in Kern County and stayed there throughout 1988. In 1989, it moved briefly to a home above Palmdale and then to the home of N6NMC over-looking Santa Clarita. Things began to change by 1990, as a site lease on Frazier Mountain was obtained. Dan, the mastermind behind our current California Arizona Repeater System, decided to build a newer style GE radio into a repeater and use a more updated controller. This was also the year that the So. CA. Repeater and Remote Base Assoc. (SCRRBA) realized that growth on 6 meters FM was escalating and a firm new bandplan had to be derived and derived FAIRLY by complete consensus. The So. CA. 6-Meter Club had successfully petitioned the FCC to expand the repeater subband to include 51 Mhz. The 500 kHz bandsplit was unanimously agreed upon as the most efficient utilization of our newfound spectrum. New operating pairs were quickly allocated and so a great cost, Mt. Frazier became 52.56/52.06 using a tone of 82.5 which were available for nothing, so to keep costs down, they were put into use, that is how 82.5 became the most common tone on 6 meter repeaters.

With the closing down of the Castro Peak repeater in 1989, the Thursday evening repeater net was forced to move to the Frazier repeater which is where it is found to this day. With Rex, N7NGM moving to Arizona in April of 1989, it was a natural step to set up another 6 meter repeater somewhere in Arizona using surplus equipment which is exactly what occurred, so Mt. Union became the N7NGM/R. Since 6 meter synthesized radios were uncommon at the time and users predominantly ran commercial crystallized or prom-burned radios, Mt. Union was set up to be an open repeater with no tone required to operate it. This allowed the California operators to visit Arizona and not have to add cost of equipment. With a separation of nearly 400 miles between Mt. Union and Mt. Frazier, no co-channel problems would occur except for those exciting periods of band openings indigenous to 6 meters, which is what makes 6 meters fun. Such an arraignment could only occur with repeater owners who cooperate. Eventually a p/l tone of 100hz was selected to allow users the ability to work a foreign repeater without bringing up the "local" machine. This scheme has worked very well for several years. Now with synthesized radios available, Mt. Union is set up so that the use of a tone will open the squelch. This means that an operator can either run high power without a tone or run low power with the tone. Since there are still commercial radios on the market that can be fairly easily tuned to Mt. Union, we decided to make it friendly to those people by reducing their costs by not having to install a tone board although it is encouraged to do so. →

C.A.R.S. consists of several repeaters linked together via 'hop-sites', which are repeaters having the sole purpose of re-transmitting the output of one repeater and sending it on to the input of another.

Starting with California, the Frazier repeater operates on 52.56, with a 500 Khz offset down and a tone of 82.5 hz. With a hop-site between Frazier and Barstow, the two are joined together. Occasionally, Contractors is linked in with the system. another hop-site located near Kingman, Arizona, connects the eastern most repeater. Mt. Union is the eastern most repeater of the linked system.

You can check out the entire website at <http://www.futureone.com/~pifer/rex.html>
For further information, contact Rex at: trex@northlink.com



FROM THE PAST-PRESIDENT
HAMS, RAMS
and
"The Waterhole Radio Club"

Local radio amateurs have teamed up with the Arizona Desert Bighorn Sheep Society in an effort to save these majestic and rare animals from thirst. 100,000 years ago, Bighorn sheep migrated to North America from Siberia via the Bering Strait land bridge, arriving and making their home in Arizona a mere 10,000 years ago. From an estimated North American sheep population of two million in 1900, twenty thousand survive in our southwestern deserts today, and Arizona claims about 4500 of them as "residents".

The rams (male) can live to the ripe old age of 17 years, weigh about 200 lbs and have a horn curl up to 15 inches in circumference, which if stretched out, would be more than three feet long. The ewe (female) grows to about 130 lbs at maturity, with a horn curl of about 6 inches and will usually give birth to one lamb per pregnancy. The lambs will stay with their mothers for two years, and then join up with juvenile, bachelor herds until they're ready to rut in three to four years.

The Arizona Desert Bighorn Sheep Society was formed in 1967 with the single purpose of protecting and increasing the herd size. The Society's 1100 members also recognize the migration of Rocky Mountain Bighorn sheep into the Arizona deserts, and all members are dedicated to improving the natural habitat by constructing and maintaining drinking wells for these animals. Working with the Arizona Fish and Game Department, the Society tracks the movement of groups, documenting their number, condition and direction of travel. Knowing the whereabouts of the herd and its route will help determine protective measures. Currently, the Society has constructed and maintains 150 drinking tanks, scattered over some of the most awesome, demanding terrain of our arid state.

These watering holes, which cost an average of \$35,000 per well, are designed to collect any rain or natural spring run-off, store it in huge horizontal water tanks, and meter the water into a drinking well so the sheep always have a water supply. The wells are designed to withstand a two-year drought and are placed in good forage areas frequented by the sheep.

Needless to say, these sheep "rest areas" are far off the beaten track, away from human incursions and reasonably safe from natural predators such as mountain lions. Getting to these sites requires stamina and perseverance; four wheelers can't cut it, only two footers can navigate the terrain. Those determined people who hike in to build these tanks have to be on constant watch for snakes, scorpions and the "jump'n-cholla" cactus that buries its barbed needles in your skin if you're unfortunate to brush by it. Removing the needles results in torn skin and ugly sores.

Special water-pipe fences are constructed around the well to keep opportunistic animals such as burros and javelinas out, while allowing the sheep to "crouch" down, slipping between the pipe rails to get their drink. All of this tank material: cement, cement blocks, pipe, welding equipment, tanks and tools have to be hauled in by mule, men's backs, and helicopter. When the tank is completed, it is then camouflaged so as to blend into the terrain, hiding it from "twits" (vandals) who take pleasure in shooting anything within range, while re-assuring the timid sheep. Building these water tanks requires a lot of planning and hard work; it's not a chore for couch potatoes!

The Arizona Desert Bighorn Sheep Society's motto is *sin agua mortis* (without water, death). It's a very appropriate motto, for their dedication to the mission of providing a ready supply of water for the wildlife helps prevent the Arizona Desert and Rocky Mountain Bighorn Sheep from suffering thirst and dehydration in our hot, dry mountains.

Assisting the Society are local hams: Jim Blackmore W6KCF, Gene Floerchinger N7LYX, Bob Tilman K7CJW and Fred Zimmermann N7PJN. Bob and Fred recently joined Kris Bearscove KC7UNK on a low-level fly-by inspection of some tanks in the Havasu area. Before any ground inspection crews are dispatched to the tank areas, Zimmermann plots the route to the remote area using USGS Topographic maps, compass and Ground Position System measurements. He'll then share that information with other crewmembers and precede them to the site, maintaining 2-meter radio communications with Tilman via the Towers/Wildflower Mountain repeater.

Enroute, and at the tank site, Fred will alert Bob as to road and trail conditions, and the structural integrity of the tank system so that minor repairs can be made with material brought by the work crew. Arizona Fish and Game will be made aware of Fred's findings if major repairs are required.

While in the field, the hams communicate via simplex as they spread out and inspect the different sheep tanks, all the while keeping a 2 meter repeater programmed in their hand-held transceiver so they can communicate back to Prescott where Jim Blackmore is standing by. The terrain is so remote and rugged, radio communications provides that measure of confidence and assurance so nice to have when far from help.

To monitor herd activity, Fish and Game people periodically net individual sheep and equip it with a radio transmitter collar. This collar sends out a radio signal so rangers and volunteers using portable antennas and receivers can track the animal. This could be the **ultimate foxhunt** for volunteer hams! Imagine being out in →

the wilds, tracking these magnificent animals. What a great family outing for parents and children to participate in a herd count for the Fish and Game people. Membership in the Society might help strengthen family relations while benefiting our wildlife, with an extra pay back to the volunteers in the form of the venerable "pocket rocket" delights set out for the working crews. These rustic "hors d'oeuvres" of jalapeno peppers stuffed with tuna paste have been reported as being "thrust-worthy" to provide "go-power" for quite some time, while encouraging workers to sample the contents of the nearby water well!

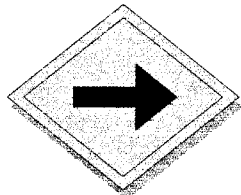
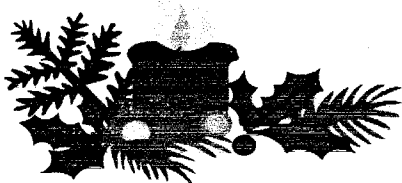
My thanks to the following resources for this article:

- Arizona Highways Magazine (June 1992, pages 14 thru 19)
- Arizona Fish and Game Department (www.gf.state.az.us)
- The Arizona Desert Bighorn Sheep Society, Inc. (www.adbss.org)
- "coffee-klatch conversation" with N7PJN, K7CJW, W6KCF and N7LYX

You are encouraged to examine the Arizona Game and Fish and the Bighorn Sheep Society's web sites for timely and colorful information.

ps. The Waterhole Radio Club is fictitious, a *nom de guerre* used by hams working on this project.

73's, Bob Kane, K7KOL



SAY WHAT? FROM THE "I can't believe I heard it on

amateur radio" files:

"I can't believe the price of ham gear. I was told I could pick up a good rig for \$100.00, but all I got was a piece of junk!"

"I want to talk to my brother in Florida but the repeater wont go that far!"

"I couldn't get out on my mobile. Then I discovered I left the antenna in the trunk."

"My radios work great now that the leaves have fallen off the trees!"

"I like to listen to other repeaters and learn their secrets."

"Packet is like e-mail, but it's free."

"If your equipment isn't Y2K ready, who will you talk to next year?"



OTHER NEWS OF INTEREST

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

APRS TRACKS DOWN STOLEN CAR

For most of us, having a car stolen is a traumatic experience. But for one Canadian ham it became more of the thrill of the chase. Newsline's Fred Vobbe, W8HDU, has more:

When Bill Guthrie, VE6OLD of Bentley, Alberta, Canada woke up to find his van missing from his driveway, he did one thing before he called the police.

Bill ran down to the computer, and had a quick peek. Almost instantly, the APRS beacon in his car told Bill's computer that his vehicle was enjoying a leisurely drive around the town of Red Deer.

Then, calmly, Bill picked up the phone and called the Royal Canadian Mounted Police. He reported the stolen van, adding that they could recover it and catch the thieves if they sent someone the red to the Red Deer location.

They did, and the arresting officers got even more than they were looking for. It seems some young teens needed a vehicle to haul their loot from a recent spate of break and enter robberies. Not only did the alleged thieves get caught red handed for grand theft auto, but the stolen goodies in the van tied them to those other crime scenes as well.

But that's not all. Obviously, the Royal Canadian Mounted Police wanted to know how the owner of a stolen vehicle could possibly know where it was. That was an opening for VE6OLD to begin explaining the magic of Amateur Radio's Automatic Position Reporting System. He also invited some of the officers to his house to demonstrate how APRS works. The mounties were impressed.

This is the second time we've heard of APRS helping retrieve a stolen vehicle. The first occurred in San Diego a couple years ago. (N4NEQ) (From NEWSLINE #1163 11/26/99)

FCC WARNS AGAINST NON-AMATEUR USE OF MODIFIED GEAR

The FCC has told the ARRL that police, public safety agencies, and others may not legally use equipment--such as modified Amateur Radio gear--that has not been FCC certified to transmit in services requiring FCC-certified equipment. The use of a modified Amateur Radio transceiver on police frequencies would be contrary to Part 90 of the rules because the equipment would not be FCC certified, an FCC official explained. In 1996, the FCC reminded manufacturers and users that transmitters intended for operation on frequencies allocated to any FCC-authorized radio service except the →

Amateur Service must be type-accepted (now called FCC certified) for the particular radio service prior to marketing and use. The use of such equipment could subject the licensee and user to penalties and forfeitures, as appropriate. The FCC said anyone selling such equipment also risks FCC sanctions. (From the ARRL's ARRL Letter of 12/08/99)

FCC INTERVENES IN AMATEUR RADIO POWER LINE NOISE COMPLAINTS

NEWINGTON, CT, Dec 2, 1999—Taking a new direction in a power-line interference case, the FCC has contacted a West Coast power company to remind the utility of its obligation to rectify equipment problems that cause harmful radio interference. The case involved longstanding complaints by several California amateurs to Pacific Gas & Electric Company regarding severe power line noise on the ham bands.

On November 22, the FCC's Consumer Center wrote PG&E Senior VP James K. Randolph, who's also General Manager of Distribution and Customer Service requesting the company to correct the problem "within a reasonable time."

"It is a little bit unusual, but it had been ongoing for quite a while, and I had talked with the power company," said Special Counsel for Amateur Radio Enforcement Riley Hollingsworth. He said the situation involved "a long history of non-response" by PG&E.

"They've shown a lot of patience," he said of the amateurs who had complained, adding that he'd spoken to some of them during a West Coast visit earlier this year. The FCC letter identifies the complainants in the case as Mitchell Lee, KB6FPW; Malcolm Raff, WA2UNP; Jeffrey Pawlan, WA6KBL; Robert Wilson, N6TV; and Garry Shapiro, NI6T.

"The FCC has the responsibility to require that utility companies rectify such problems within a reasonable time if the interference is caused by faulty power utility equipment," the Commission's letter said. The letter explained that, under FCC rules, most power line and related equipment is classified as an "incidental radiator" under Part 15. "This term is used to describe equipment that does not intentionally generate any radio-frequency energy, but that may create such energy as an incidental part of its intended operation," the FCC letter explained.

Part 15 obligates utilities and others that fall under its provisions to not cause harmful interference to licensed services and to cease operating a device that's causing harmful interference upon FCC notification. The FCC said that while it remains confident that utilities can resolve such interference issues voluntarily, its letter was intended as a reminder that the unresolved interference problem "may be a violation of FCC rules and could result in a monetary forfeiture for each occurrence."

The FCC letter points out that the FCC encourages parties to resolve such problems "without FCC intervention" but says the FCC will step in when necessary. In this particular case, Hollingsworth said, the amateurs "had worked diligently with the power company and with the League, and we thought it appropriate for us to send a letter

reminding them of what the Commission's rules and policies are."

Hollingsworth advised that the FCC Consumer Center can help amateurs with power-line noise problems, but hams should not immediately contact the FCC for assistance. He and ARRL Lab Supervisor, Ed Hare, W1RFI—the League's point man for interference-related issues—say that, before contacting the FCC to intervene as it did with the PG&E situation, affected amateurs first should attempt to work patiently with the utility and should contact the League for assistance.

The FCC requested that PG&E advise the complainants within 30 days of steps being taken to correct the reported interference, adding that it expects most cases "can be resolved within 90 days of the time they are first reported to the utility company." The FCC further suggested that PG&E contact the ARRL for "help and guidance about radio interference that involves Amateur Radio operators."

The ARRL Technical Information Service has prepared a Web page, "RFI—Electrical and Power Line," at <http://www.arrrl.org/tis/info/rfi-elec.html>. Amateurs suffering from interference believed to be emanating from power generation or transmission facilities also may contact Ed Hare, W1RFI, 860-594-0318; rfl@arrrl.org. (From the ARRL's ARRL Letter of 12/02/99)

STRICTLY EDITORIAL!

I recently read with keen interest, the recent attempt by the ARRL to convince the FCC to expand PRB-1. PRB-1, while well known to many hams, is somewhat parallel to satellite dish owners problems. Being a dish owner myself, I have to take exception to attempts by homeowners associations and the likes to limit my ability to receive my choice of television programming. When I first moved into my home, there was no cable television available. I could only get 3-4 stations on an outside antenna, so I opted for a C-Band (large) dish and receiver. Fortunately, I live in an area where dishes are common and there are no restrictions. But, for those who live in areas where there are restrictions, it seems that some groups want to control how you receive what you watch on TV. Many live in areas where television signals are marginal or non-existent. If there are restrictions on dishes, whether large or small, then they are forcing you to either get Cable TV or nothing! Today, as far as I am concerned, Cable TV is not a good value. You are forced into paying a fixed monthly fee and subsidizing programming that you may never watch. On the other hand, most satellite service providers allow you to choose and pay for what you want to watch. I know it's all a matter of preference, but do the math! Cable at \$40.00 per month is \$480.00 a year. Selected premium satellite services only cost me about \$280.00 per year. The savings, over a 5 or 6 year period more than pays for the satellite receiver and dish! Just like PRB-1 and Amateur Radio, we need to fight the CC&R's and Homeowner Associations and get what we want—freedom to choose for ourselves and not cater to the restrictive rules of a few. Hey, that big 10' dish on my property looks good to me. It's a lot better than looking at a bunch of dead cars! Ed. ☺



ARES/RACES NEWS



Y2K MEETING... On Wednesday December 8th there was a Y2K planning meeting held at Central Yavapai Fire Station #53 in Prescott Valley. In attendance were representatives from Tri-city Fire

Departments, Police Departments, Yavapai Regional Medical Center, US forest Service and the Media. The meeting was held to determine how Amateur Radio could best be utilized on December 31st as the calendar rolls over. Almost all agencies present requested to have Amateurs actively standing by that night. As of December 9th we have Prescott Valley covered, but need amateurs for Prescott and Chino Valley. Lets step up and show how the Amateurs can help the City and County when the need is there. If you haven't already volunteered and would like to, please contact myself or Lee Cunningham as soon as possible. We are both listed in the Club roster.

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

73, Lloyd Halgunseth WA6ZZJ
Yavapai County ARES / RACES
District Emergency Coordinator/Radio Officer
(520) 717-2706
wa6zzj@arrl.net



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 treasurer at any meeting.

ARRL VEC



Volunteer Examiner Testing

A special test session was held on 12/01/99 at ERAU. There were 4 candidates. 3 passed the No-Code Tech and 1 passed the Novice Written. Thanks to Bob Kane-K7Koi, Mary Miraldi-AB7NK, Bob Harkey-W7DC for helping and to Brian Letendre-KE7IRJ for setting up the test session for his fellow students at ERAU.

The tentative testing dates for 2000 are February 12, May 13, August 12, and November 11 all Saturdays at 10:00AM at the Blind Center, 440 N. Washington St, Prescott.

If you are interested in becoming a VE, contact John-KM6BF.

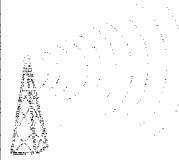
All those attending for tests must have **ORIGINAL** license and a copy, Original CSCE's

and 1 photo ID. (VE's-remember to bring and wear your VE - ID Badge!)

Special test sessions may be accommodated according to demands, as needed. The test fee for 2000 will be \$ 6.55. 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
AB7VH	Ruth Enabnit	K7KOL	Bob Kane
KA7NGK	Don Broadston	KB7FRV	Leonard Beers
KC7AGL	Don Muller	AB7SK	Ginger LeGendre
KK7JH	Billy Peters	KG7OL	David Miller
K17EB	Bill Thrift	KJ7DX	Matt Strandberg
KJ7KL	Pen Brown	KM6BF	John Wilson
N7VG	Vern Gregory	W2YAV	Bill Kafka
W7DC	Bob Harkey	W6HDP	Bill Jackson
W9KRQ	Dave Rutledge	WB6ODR	Bob Smith



LOCAL AREA REPEATERS

52.560- 100.0 Hz	Mt. Union (-500KHz)
53.040- C/S	Airport (-1 MHz)
145.350- C/S	Wildflower Mtn.
145.370- C/S	Towers Mtn.
146.780- 91.5	Bill Williams Mtn.
146.880- 100.0	Prescott
146.980- 100.0	Flagstaff(Mt. Elden)
147.000+ 100.0/162.2	Mingus Mtn.
147.260+ 103.5	Mt. Union
147.140+ 162.2	Flagstaff(Mt. Elden)
147.220+ C/S	Mingus Mtn.
223.960- 127.3	Chino Valley
442.150+ 100.0	Mingus Mtn.
442.350+ 100.0	Glassford Hill
448.400- 123.0	Mingus Mtn.
448.475- 100.0	Flagstaff(Mt. Elden) ARA
449.175 C/S	Towers Mtn.

PACKET

145.690	Davis:K7HS-7	DX Packet Node
145.010	Elden:W7MOT-8	Packet Node
145.010	Union:KB7FRV-1	Packet Node
145.710	Union:KB7FRV-2	Packet Node
145.010/145.710	PRCBBS::KB7FRV	Packet BBS

ADDITIONS, DELETIONS AND CORRECTIONS APPRECIATED



GOT ANYTHING FOR SALE? CLUB MEMBERS CAN LIST THEIR EQUIPMENT HERE FREE.

BUY, SELL, TRADE?



WEEKLY NET - WEDNESDAY NIGHTS @ 7:00

PM 146.880- (100.0 PL) IF YOU DON'T HAVE PL, TRANSMIT ON 146.880 SIMPLEX WHEN THE REPEATER DROPS OUT.

MONTHLY MEETING - 3rd THURSDAY @ GRANITE MTN MIDDLE SCHOOL 7:00PM (N 34° 34' 23.2" W 112° 29' 45.2")

NEXT MEETING THURS, JANUARY 17 @ 7:00pm



Wednesday Morning Breakfast-Iron Horse Café, S. Hwy 89 in Chino Valley (N 34° 43' 56.5" W 112° 27' 15.4"). 7:30AM. Informal-All are invited.

Thursday Morning Breakfast-Michael's Restaurant in the Safeway Shopping Center, Hwy 69 Prescott Valley. 8:00am. (N34° 35' 13.3" W 112° 19' 44.6") All are invited.

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

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Many thanks to Bob Smith-WB6ODR, Webmaster!

**HAPPY HOLIDAYS TO ALL OUR AMATEUR
FRIENDS, EVERYWHERE!**

