

# The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB**  
**PRESCOTT, ARIZONA** **DM-34**  
**VOL 11 - No. 5** **MAY, 2001**



## 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. 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 2001

**President**  
Dale Leslie-N7XFD  
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**VicePresident**  
Terry Pemberton-KB7TRE  
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**Secretary**  
John Wilson-KM6BF  
[km6bf@cableone.net](mailto:km6bf@cableone.net)

**Treasurer**  
David Passell-K6UWV  
[davidrex@northlink.com](mailto:davidrex@northlink.com)

### YARC BOARD OF DIRECTORS

Includes Club Officers

**Immediate Past President**  
Lee Cunningham-KC7CBK [kc7cbk@arrl.net](mailto:kc7cbk@arrl.net)  
Bob Kane-K7KOL [arkane57@yahoo.com](mailto:arkane57@yahoo.com)  
Frank Horneff-WA6JBV

**NEWSLETTER EDITOR - John Wilson-KM6BF**

## WHISKEY ROW MARATHON

What a great time we had. Friendly people, a beautiful, clear sky and a free T-shirt! What else could one ask for? Maybe a little luck with Powerball would suffice.



My wife and I arrived at Water 4 at about 5:30 A.M. To accomplish this, we had to get up at 3:00 A.M. due to our living out in the hinterlands, and attending to those necessities of life that seem to become an affliction caused by becoming one of those for which the senior discount is given automatically without asking.

We were a little apprehensive about arriving out there when it was nearly dark with no one around but the two of us. With the early starters already on the road, however, it seemed much more populated. I got the station set up and checked in with net control before the required 5:45 A.M. Then we poured ourselves a hot cup of coffee and waited for the water crew to show up. We were already seeing runners pass our location about 20 minutes before the first water person arrived. The temperature dropped down to 39 degrees before heading back up and we were in the shade for the entire race so it was pretty nippy. It must have seemed strange to the runners who were sweating to see two people sitting with their heavy coats on.

Water 4 is at the half-marathon turn-around point. It's six and one-half miles from the start, and about 2-1/2 miles past the pavement on Copper Basin road. The first thing we noted was that the water station was tucked into a little wide spot in the road with barely enough room for the water table. There was no parking for even a motorcycle anywhere near the station. Because I planned to set up a portable station on a card table, and needed the Jeep for power and a place to stick the mag-mount, I had to move back down the road maybe 100 yards. I could still see them. The water crew had to park their vehicles in the road. Several runners asked me why they moved the turn-around point this year, and I had to conclude that I must have been sitting at the old Water 4 location.

One thing I noticed was that some of our communication stations had a weak signal into the repeater. What I did to avoid that was to take my station to Water 4 a few days beforehand and see if I was full quieting into the repeater. Just a thought for next year. If necessary you can always take along a 3 or 4-element beam with a 10-foot mast to →

mount it on. Come to think of it, I believe I will make up one just in case. Could use a couple of RS 5-foot masts for the support.

My station consisted of an Icom IC-28H running 45 watts to a Larsen 5/8-wave antenna, using a mag-mount on top of the Jeep. I made up a 25-foot antenna cable and a 25-foot power cable with battery clamps so that I could power the Icom from the Jeep and use the roof for mounting the antenna. Although I already had a 50-watt Kenwood in the Jeep, I felt it was better to put everything on a card table close to the road so we could be up front and personal with the runners. That way we could also eat a lot of dirt! Some of those cars and trucks had no respect for the runners at all.

It was a good decision as it kept us very busy during the race communicating with them. At least half of them waved and said hello. We greeted each runner with a cheery hello, and provided what encouragement we could. My wife and I have both been in at least seven 12K runs and know how much it means to have people on the sidelines encourage you on. I think it was especially important when we were sitting near the top of the first climb. It takes unbelievable stamina to run 26 miles with half of the course up hill and very steep. Our hats are off to those people.

We had a couple of incidents that really made us laugh. One fellow wanted us to order a pizza for him for when he got back. When he did get back he asked for his pizza. I said I ordered it for him, but the pizza delivery truck just couldn't make it through all the runners near town, and maybe he would run into it on the way down. He said now he saw why we were called amateurs instead of professionals! Shortly after that, a young woman cut off the course right next to our table. She said, "I just know there is a porta-pottie back there someplace." We never saw her again. A couple of funny moments we will long remember about the 2001 Marathon.

We were really humbled by the number of people who thanked us for being there for them. Makes you glad you got up at 3:00 A.M. Thanks Lloyd for letting us be a part of it. Looking forward to next year.

73, Dick - W6CCD



**FIELD DAY 2001 COMING IN JUNE**

Just over 1 month remains to complete preparations for Field Day 2001. While not a contest in the contest sense, it is a good exercise of operating under less than optimum conditions.

Many first timers will learn how to set up a temporary station that will operate from batteries, generators, or solar panels. Putting up a temporary antenna strung up in trees or a vertical anchored in the ground. Some will operate the entire weekend, sleeping in tents or RV's. It's a great opportunity to learn and get involved in the activities.



**WELCOME NEW MEMBERS**



We would like to welcome 3 new members into our club. They are:

- Perry Morgan-W7OPM
- Thomas Gregory-W2JKG
- Raymond Stone-K6CMU (March)



**UPCOMING EVENTS OF INTEREST**

- ▶ June 16, 2001 - ARCA Meeting-Springhill Suites
- ▶ June 21, 2001 - YARC Meeting
- ▶ June 23-24, 2001-FIELD DAY
- ▶ July 26, 2001 - YARC Meeting (rescheduled to 4<sup>th</sup> Thursday)
- ▶ July 27-29, 2001 - Ft. Tuthill Hamfest, Flagstaff.
- ▶ August 11, 2001 - VE Testing, Prescott
- ▶ September 29, 2001 - Hualapai ARC Hamfest, Bullhead City

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



**APRIL MEETING**

President Dale Leslie-N7XFD called the meeting to order at 1902. There were 34 members and visitors present. Visitors included AI-KD7MTJ, Mark-KD7KJL, and Chuck-K7QO.

The minutes of the March meeting read by John Wilson-KM6BF, YARC Secretary. David Passell-K6UWV, YARC Treasurer, reported that the club has a balance of \$1,449.93, which includes \$701.43 in the general fund and \$748.50 in the repeater fund. The refreshment fund has \$126.26. Both reports were approved as read. David also reported that there were 2 new members. The Club Insurance bill for \$352.00 was approved for payment.

**OLD BUSINESS.** Fred Boughton-KB2CT can take orders for club badges, and they are \$5.00.

**COMMITTEES.** Terry Pemberton-KB7TRE has Field Day set up for Saturday from 0800-1700 on the Yavapai County Courthouse Square. Lloyd Halgunseth-WA6ZZJ still needs help for the March of Dimes Walkathon on May 5 and the Whiskey Row Marathon.

**NEW BUSINESS.** Bob Rosevear-WB7RRQ reported that the Yavapai County Food Bank in Prescott Valley needs help of food donations. Cash donations are also accepted. Leonard Beers-KB7FRV reported that a Yavapai Signal story by Bob Kane-K7KOL was submitted and printed in a magazine for the Eastern Airlines Pilots Assn. Magazine. Nick Angiolillo, Yavapai County Emergency Services Director presented Leonard-KB7FRV with an Award of Distinction for his efforts in securing and developing the RACES repeater site on Mt. Union. Terry-KB7TRE reported that there would be a new cable television channel, Yavapai Education Channel soon. Dave Rutledge-W9KRQ →

is looking for a good used Kenwood AT-250 antenna tuner. Lloyd-WA6ZZJ reported that there would be a communications exercise on Wednesday May 6 in conjunction with the Forest Service and Fire Departments conducting a Wildland Fire exercise. The exercise will compress 2-3 days of work into a 5-hour session. Camp evacuations will be part of the exercise along with the Yavapai County Jeep Posse communications back to the Command Post. Those planning to participate should be dedicated for the entire session.

With no further business to conduct, the meeting was adjourned for the refreshment break at 1937. Following the break, the 50/50 raffle was won by Chuck-K7QO, who donated his \$18.00, winnings to the Food Bank.

Lee Cunningham-KC7CBK had some new articles on the bulletin board, including the obituary for YARC member Nate Burlingham-WA6HJK, who recently passed away, and some recent news bulleting from the ARRL.

The program for the evening was given by Bob Smith-WB6ODR, who talked to the club about PSK-31.

Early digital modes started with RTTY, and with the growing popularity of computers, more advanced methods were designed and used by amateurs, such as AMTOR, CLOVER, PACTOR and others. Peter Martinez-G3PLX designed a method to send data using very little spectrum, with a better s/n ratio. PSK-31 is actually very simple to use. All that is needed is an interface between your computer's soundcard and your transceiver, and the necessary software, which is widely available for free. An interface can be built out of some simple parts most of us may already have in our "junk" bins. The ARRL's HF Digital Handbook has excellent information about PSK-31. Some Q&A followed the presentation. We thank Bob for his excellent and informative presentation. With no further business to conduct, the meeting ended at 2040.

Respectfully Submitted,

John Wilson-KM6BF  
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!

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@cableone.net](mailto:km6bf@cableone.net)



Occasionally we will have articles from other clubs. This month we feature ARCA, the "Club of Arizona Clubs":

## Amateur Radio Council of Arizona

**WORKING TOGETHER GETS THE JOB DONE!**

The Amateur Radio Council of Arizona, Inc. (ARCA) is a statewide organization comprised of Amateur Radio Clubs from all parts of Arizona, working for the betterment of Amateur Radio statewide. ARCA affiliated clubs present a unified front and have a means to exchange ideas and activities in the spirit of fraternity for which Amateur Radio is so famous. The objectives of the Council are to combine opinions, ideas, and strengths of the various clubs; to assist the affiliated clubs in promoting the welfare of the Amateur Radio fraternity; and to encourage activities that will benefit the art of Amateur Radio. Each affiliated club is represented by a delegate and/or alternate at each of the Council meetings (6-9 per year). These delegates nominate and elect the officers of the Council and exchange suggestions on ARCA activities. Implementation begins after a majority vote of the representatives present.



The officers of ARCA invite all Arizona Amateur Radio Clubs to consider becoming a member. One club (even two or three) might not have the resources to undertake some of the projects which are important to them, but working together gets the job done. What better reason for your club participating? We know that ARCA needs you, and hope that you will feel you need to be a part of ARCA.

Amateur Radio Council of Arizona activities include:

- The annual Fort Tuthill Hamfest/ARRL Arizona State Convention, the largest ham event in Arizona, held near Flagstaff each July. ARCA also sponsors a number of hamfests held across Arizona throughout the year.
- A master Calendar of Events of hamfests and events in Arizona is maintained to help avoid scheduling conflicts and help advertise Amateur Radio events.
- Scholarships. ARCA awards scholarships to licensed amateurs who are enrolled in an institute of higher learning. Candidates are nominated by and are members of affiliated clubs.
- Grants. Grants are given to affiliated clubs for purposes that benefit the Amateur Radio community and enhance the communications network in the state.
- Frequency Coordinating Committee. Composed of repeater owners, this group voluntarily works out problems on frequency allocation, coverage, etc., publishes a semi-annual directory of repeaters in the state and provides this information to the ARRL Repeater Directory.
- Arizona Repeater Owners Frequency Coordination Committee
- a subcommittee of the Amateur Radio Council of Arizona
- The Frequency Coordination Committee of the Amateur Radio Council of Arizona is a group of volunteer amateur radio operators who work to provide coordination services to the amateur radio community in Arizona. Coordination is performed for vhf and uhf frequencies to be used for repeater, digital and point to point operations. This service is available for amateur radio frequencies from 29 MHz and up.
- The chairperson of the committee is appointed by the ARCA membership and is ratified by the repeater owners at their annual meeting each July at the Ft. Tuthill hamfest. The chairperson of the committee then chooses the remainder of the coordinators.
- Coordination policies are also made or revised at the repeater owners meeting.
- The FCC gives preference to coordinated repeaters in interference situations, →

so it is to the advantage of anyone wishing to construct a repeater in the Amateur Radio Service to avail him or herself of the work of the volunteer coordinators.

- Ham of the Year Award. A handsome plaque is awarded to the person chosen based on outstanding service to the Ham community. Nominations are made by affiliated clubs.
- Causes for the general benefit of Amateur Radio. ARCA is ARRL affiliated and supports their work for the benefit of Amateur Radio and the protection of Amateur's rights and frequencies. ARCA is also active in state and local issues affecting Amateur Radio, such as tower ordinances, auto license plates, etc.
- Public Relations is one of ARCA's most important functions.
- Voluntary coordination of VEC exams in the state.

**ARCA IS PLANNING TO HAVE THEIR JUNE MEETING IN PRESCOTT, ON JUNE 16 AT 1100 AT THE SPRINGHILL SUITES.**



### FROM THE PAST, PAST-PRESIDENT

#### THE CHECK'S IN THE MAIL

My mind was churning like a cement mixer wondering what words I would commit to paper for this month's *Signal* when my ARRL notice of membership renewal came in the mail.

What a surprise, geezers get to grope through the ads for just \$28 this year! Any group rates available for groping geezers? Guess not! As is my custom, I placed the incoming mail on top of the "yet to read or re-read" heap, planning to cull the important (usually non-existent) from the frivolous. By chance, the ARRL notice fell atop a book I had just retrieved from the "How about that?" file, which is immediately before the recycle file! THE BOOK, from my "How about that?" file was the 1974 ARRL publication, "How to Become A Radio Amateur", and on the back page was an invitation to join the ARRL — for \$9.00 a year!

That nine dollars stuck in my mind, giving me pause, as I decided on the appropriate flight path for Newington's notice -- to the "read and re-read" or "frivolous" stack?

I went through the rest of the mail, deciding each piece's fate, but THE BOOK kept crying for my attention. Finally, I was seduced into forsaking all other reading matter for -- IT!

Opening the twenty-seven year old book to chapter one quickly piqued my interest, for in those early pages I found a provocative article about assisting the Civil Defense and Red Cross groups in "my town"! The article stirred my patriotism and curiosity. Could I find my old CD helmet and leggings? Would my regulation, nickel-plated whistle be in that same old storage box? That red, white and blue armband is probably an old rag now, though such a proud chevron in the days when we learned to DROP, DUCK, and TAKE COVER!, convinced that our desks would survive any nuclear blast!

Pages later in THE BOOK, I found a picture of a radio amateur operator in his car with mobile equipment that took up more room than

a XYL! The cockpit of his vehicle looks like that of a cab-over tractor, with speakers, switching units, transmitters and receivers hanging from the dash.

Today, we're derisive about people talking on their cell-phones while driving, but back then, operating the 1974 mobile station would require the amateur to be a multi-tasker -- a qualified driver and a licensed dial tuner to tune in and blast out! He'd have been as busy as a one-armed paper-hanger!

Flipping further into THE BOOK was a section on math, with fascinating equations that I remembered and still understand, such as  $E=IR$ , and wavelength (in Meters)= 300 divided by MHz. Wow, what esoteric stuff!!

Page 32 of THE BOOK introduced the reader to vacuum tubes. You remember those glass bottles don't you? They roamed the radio world in the land before time! THE BOOK described those awesome pentode tubes, with five grids surrounded by that shiny, glass membrane, looking like a ship in a bottle! The grid to which the radio signal is applied is called the **Control Grid**, and THE BOOK said it was the policeman, controlling the one-way electrical traffic inside the membrane, just like on a one-way street!

Any cop standing in today's street would soon look like the pentode's schematic: feet bent like the tube's cathode, insides squiggled up like the grids, and a head hammered flat like the plate!

I remember that stuff! And I remember the satisfaction of finally understanding what I read in THE BOOK!

Then the "Now" of today's QST and its renewal request came to mind. And I knew that the satisfaction of really understanding and knowing the interdependence of tubes, coils and capacitors was an epiphany that wouldn't be repeated for me. Being privy to the secrets of a microscopic circuit board's labyrinthine meanderings, or the flip-flop of gates that swing at the speed of light is hidden from my processor; left to more agile, inquisitive and sharper minds.

The "Now" was presented to us just a few weeks ago at the Yavapai Amateur Radio Club's April 19<sup>th</sup> meeting when Bob Smith, WB6ODR made his lucid, detailed presentation of PSK31, the modern communications mode which weds the computer and HF transceiver.

If that communications technique doesn't tell us of a new day dawning, we're all asleep! Nostalgia may keep CW alive for another 20 years, but I'm convinced that the debate of dahs and dits will be replaced by the babble of binary bits. I don't think SSB is sacrosanct either. Single Side Band efficiency replaced AM; PSK31 may replace SSB!

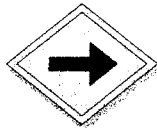
Watching the demo QSO that ODR tuned in for us, and listening to his presentation told me that, in consort with the conservation of energy, this mode will also conserve radio spectrum, just as SSB did compared to AM.

That renewal request from ARRL has been retrieved from the "read and re-read" file, and sent to the "ok to pay" file. I don't fully understand all that today's QST is telling me, but I'll keep reading →

the text and grope through the ads. Maybe this geezer can grab what's germane, and remain a groupie! At least until next April!

73's  
Bob Kane K7KOL

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



SAY WHAT?

Here's a little something someone sent me about operating practices on the radio. There are 44 of them, so we'll give you the first eleven this month:

### "LID MATING CALLS" OR, "I GOT MY LICENSE THE DICK BASH WAY!"

**Step One:** On FM use as many "Q" signals as possible. Yes, they were invented solely for CW and are totally inappropriate for two meter FM, but they're fun and entertaining. They keep people guessing as to what you really mean. I.E. "I'm going to QSY to the phone." Can you really change frequencies to the phone? QSL used to mean, "I am acknowledging receipt", but now it appears to mean, "yes" or "OK". I guess I missed it when the ITU changed the meaning. It is also best to use "OK" and "QSL" together. Redundancy is the better part of Lid-dom. Double points for using "check, check."

**Step Two:** Never laugh when you can say "HI HI". No one will ever know you aren't a long time CW rag-chewer if you don't tell them. They'll think you've been throwing spark since the days of Marconi.

**Step Three:** Utilize an alternative vocabulary. Use words like "destinated" and "negatory". It's OK to make up your own words here. I.E. "Yeah Tom, I "pheelbart zaphonix" occasionally myself."

Editor: Clinton probably does, too. But don't worry - it's not sex.

**Step Four:** You must always say "XX4XXX" (insert your own call) "for I.D." As mentioned in Step One, anything that creates redundancy is always encouraged. That's why we have the Department of Redundancy Dept.. (Please note that you can follow your call with "for identification purposes" instead of "for I.D." While taking longer to say, it is worth more "LID points".

**Step Five:** The better the copy on two meter FM, the more you should use phonetics. Names should be especially used if they are short or common ones. I.E. "My name is AL..." Alpha Lima" or "Jack... Juliet Alpha Charlie Kilo." If at all possible use geezer HF phonetics "N6EEZ... Nan Six Easy Easy Zansibar." And for maximum "LID points", make up unintelligible phonetics. "My name is Bob... Bet On Bumperpool."

**Step Six:** You must always give the calls of yourself and everyone who is, or has been, in the group, whether they are still there or not. While this has been unnecessary for years, it is still a great memory test. You may also use "and the group" if you're an "old timer" or just have a bad memory. Extra points for saying everyone's call and then clearing in a silly way "KN6K, Ciao, Ciao."

**Step Seven:** Whenever possible, use the wrong terminology. It keeps people guessing. Use "modulation" when you mean "deviation", and vice-versa. Complain about "bleedover" a lot. Any discussion of "VISWARS" will place you in contention for the Lid Hall of Fame.

**Step Eight:** When another CW op sends "CQ Test" always be sure to give him your name, location, and the short version of your life's story. Then reassure him that his signal is just fine. Offer to further aid his testing effort by switching between your different antennas.

**Step Nine:** Always ask involved questions of the person who is trying to sign out. Never let him get by with just a "yes" or "no" answer. Make it a question that will take him a long time to answer.

**Step Ten:** The less you know on a subject, the more you should speculate about it in the roundtable. Also the amount of time you spend on the subject should be inversely proportionate to your knowledge of the subject even though you have no damn clue.

**Step Eleven:** Always make sure you try to communicate with only a handheld and a rubber duck antenna. Also, make sure you work through a repeater that you can hear very well, but it cannot hear you. This will put out a kind of "LID mating call": "Well, Joe, I can hear the repeater just fine here. I wonder why it can't hear me?" You will score maximum LID points if you are mobile, and with the radio lying in the passenger seat. You are a true LID roll-model if you tell the other operator that he is "lighting all the lights."

....continued next month



dropped from the membership list. Dues can be mailed to the club PO Box or given to the club treasurer at any meeting



**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

### OTHER NEWS OF INTEREST

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

#### Radio Regulations: Pay to complain TVI

What if your neighbor filed a TVI complaint to the government and received a bill because you were not causing his problem?

Well that's exactly what's about to happen over in the United Kingdom where that nations Radiocommunications Agency - or RA - will soon be charging citizens who file baseless complaints. Jeremy Boot, G4NJH, has the details:

The Radiocommunications Agency has announced a new policy on domestic interference and has issued a new RA179 leaflet, which is now entitled Television and Radio Interference. Under the new system, the complainant will be charged £50 if, following an investigation, the RA finds that the interference is not due to any illegal use of radio or faulty electrical equipment, but is due to a problem with the complainant's own TV or radio installation. No charge will be made to the complainant if the interference is found to be due to illegal radio use or faulty electrical equipment outside the complainant's premises.

But it's not all one sided. If UK citizens wish to report a possible source of interference but do not wish to commit themselves to a possible charge, they can give details of a source of interference by contacting the local office of the Radiocommunications Agency.

The staff will use this information as part of their intelligence gathering on possible illegal use of radio. (G4NJH, RSGB) From NEWSLINE #1237 4/27/01

#### HAMBAND REALIGNMENT: FIRST PROPOSALS FOR 40

The first ideas on how to re-align the 40 meter ham band are in, and so far most like what they hear. Brennan Price, N4QX, of the ARRL Audio News has an overview: →



**ARES/RACES NEWS**

The FCC's World Radiocommunication Conference 2003 Advisory Committee has approved several "preliminary views"—or PVs—on expected WRC-03 agenda items. Among these is a US preliminary view supporting a realigned 40-meter amateur allocation at 6900-7200 kHz on a worldwide primary basis. The FCC is soliciting public comment on all preliminary views by May 9.

The preliminary view was developed by Informal Working Group 6, which is dealing with most issues of concern to amateurs. ARRL Technical Relations Specialist Walt Ireland, WB7CSL, serves as vice chairman of IWG-6. The PV says that, alternatively, the US could support a 7000-7300 kHz worldwide primary amateur allocation.

Only amateurs in Region 2, which includes North and South America, have access to 7000-7300 kHz; the rest of the world has only 7000-7100 kHz, with the upper 200 kHz allocated for broadcasting. ARRL Technical Relations Manager Paul Rinaldo, W4RI, says the ARRL would prefer going back to the pre-World War II worldwide 7000-7300 kHz scheme. Some broadcasters, on the other hand, would like amateurs worldwide at 6800-7100 kHz, he said, so they would not have to move. A Radio Conference Subcommittee backgrounder from the Interdepartment Radio Advisory Committee—which reflects views of the federal government—said the issue "is liable to be very controversial."

Further complicating matters, Rinaldo said, is the fact that international HF broadcasters want to fold the 7 MHz realignment question into another WRC-03 agenda item examining the adequacy of HF broadcasting allocations from approximately 4 MHz to 10 MHz. Broadcasters are expected to seek additional HF elbow room to accommodate digital transmissions to complement their existing AM channels.

Any realignment scheme will involve having to move existing occupants—broadcasters on one side or fixed and mobile services, mostly government and Part 90 users, on the other.

"We want 300 kHz," Rinaldo said—reflecting the position of the International Amateur Radio Union, "but, we have some flexibility as to where it is."

Another PV with implications for amateurs would oppose the use of 420-470 MHz for use by the Earth Exploration-Satellite Service for so-called synthetic aperture radars, or SARs unless it can be shown that the satellites "do not cause harmful interference to amateur systems and stations." SARs are used to map regions on Earth's surface and are expected to be deployed primarily over tropical rain forest areas.

Rinaldo emphasized that the preliminary views do not represent formal US positions and are subject to change as preparations for WRC-03 move forward. (From the ARRL)

Two of the YARC public service events have taken place since the last newsletter..

On Saturday, April 21st the club provided communications for the March of Dimes Walk America with 13 members taking part. They were: KB7TRE, N7PJN, KC7CBK, W7OPM, KC7MQN, WA6JBV, KB6AH, N7XFD, KB2CT, WB7RRQ, K7CJW, W2JKG and WA6ZZJ with W2JKG being 'bicycle mobile'. The persons in charge of the walk greatly appreciated our services. It makes their job easier to have a radio link with the outlying check points. This year the weather was a little on the cool side with some of the last walkers in getting to walk with snow falling.

On Saturday, May 5th communications were provided for the Whiskey Row Marathon with 13 members taking part. They were: N7PJN, KC7CBK, K7CJW, K6UWV, W6TXS, N7XFD, KB2CT, W6CCD, KC7AGL, WB7RRQ, K7KOL, KC7TIN and WA6ZZJ. Communications were provided from 9 water stations that are dispersed at intervals along the Marathon route. We also provided a 'shadow' operator for the Marathon director along with a station in the St. Michaels Hotel at Race Administration and an operator in the YMCA van. Once again our services were very much appreciated and t-shirts were provided for the operators taking part. Lee, KC7CBK, will have the t-shirts at the May meeting for those who have not already picked theirs up.

I want to add my thanks to all of our members who assisted with these events. Looking at the list of operators, it seems like the same names keep turning up. Public Service Communications is one way to get the Yavapai Amateur Radio Club good public relations exposure. Sometimes it may seem like we are 'invisible' while doing our event communications, but from comments I have received, the people participating do know we are there and appreciate our presence. The Whiskey Row Marathon gives us good practical experience in setting up portable/mobile stations to operate from. It also gives practical experience operating in a controlled net. It would be nice to see some new callsigns showing up on the list of participating members. Give it a try and see how much fun Public Service Communications can be.

YAVAPAI COUNTY ARES/RACES

By the time you read this, Yavapai County ARES/RACES will have participated in a NASA requested Fire Exercise on Wednesday, May 16th. One of the objectives of this exercise was to test the evacuation response time during a major forest fire in the Prescott National Forest. Emergency Operating Centers were set up at the US Forest Service Fire Center located at the Prescott airport. Participants should have included Amateur Radio, Forest Service, Sheriff, Red Cross, Chino Valley Fire, Central Yavapai Fire, Crown King fire, Groom Creek Fire, Mayer Fire, Prescott Fire, NASA, PAWUIC (Prescott Area Wildland/Urban Interface Commission), Prescott Unified School District, Jeep Posse, YRMC, County Public Health, County and State Emergency Management, County Animal Disaster Services and →



youth camp personnel. The exercise was a functional exercise with a few full-scale components. Functional means it was a step above a tabletop exercise in that it had time compression. Two days were compressed into five hours. The full scale portion included a partial activation of the Jeep Posse, Amateur Radio and a number of school buses.

There are approximately 30 youth camps located in the forest area around Prescott with 3000 to 5000 total weekly attendees during the summer months. Each Monday during their active periods a report is called into the County Emergency Management Office of the number of attendees they will have for that week. Should an incident occur this gives a count of how many evacuees there would be. The county has long maintained an agreement with PUSD to use their school buses for evacuation purposes. The response time however has never been tested and that was one of the objectives of this exercise. The Jeep Posse was activated to guide buses in and out of the evacuation area and Amateur Radio rode with Jeep Posse members to maintain communications with the EOC at the Fire Center.

Living in the area that we do, this is one of our major concerns when it comes to providing emergency communications. Any time there is a fire in coming months Yavapai County ARES/RACES will be notified so we can put an alert plan into operation just in case we are called out to provide communications. Now is the time to make sure your 'go kits' are ready and that your radio equipment is in good operating condition. Everyone should try and put together a 'radio package' that includes equipment capable of operating portable with a mag mount antenna. Lets take a motto from the Boy Scouts and 'Be Prepared'...

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.

73, Lloyd Halgunseth WA6ZZJ  
Yavapai County ARES/RACES DEC/Radio Officer  
(520) 717-2706 [wa6zzi@cableone.net](mailto:wa6zzi@cableone.net)

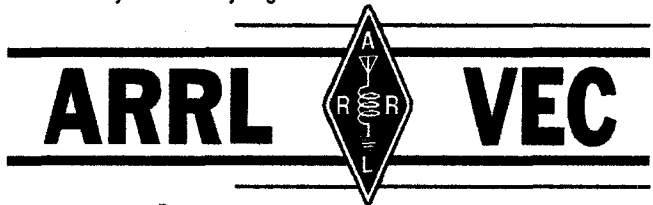
**From Dale-N7XFD**

Think you know everything?



1. Rubber bands last longer when refrigerated.
2. Peanuts are one of the ingredients of dynamite.
3. There are 293 ways to make change for a dollar.
4. The average person's left hand does 56% of the typing.
5. A shark is the only fish that can blink with both eyes.
6. There are more chickens than people in the world.
7. Two-thirds of the world's eggplant is grown in New Jersey.
8. The longest one-syllable word in the English language is "screached."
9. On a Canadian two dollar bill, the flag flying over the Parliament building is an American flag.
10. All of the clocks in the movie "Pulp Fiction" are stuck on 4:20.
11. No word in the English language rhymes with month, orange, silver, or purple.
12. "Dreamt" is the only English word that ends in the letters "mt."
13. All 50 states are listed across the top of the Lincoln Memorial, on the back of the \$5 bill.
14. Almonds are a member of the peach family.
15. Winston Churchill was born in a ladies' room during a dance.
16. Maine is the only state whose name is just one syllable.

17. There are only four words in the English language which end in "dous": tremendous, horrendous, stupendous, and hazardous.
  18. Los Angeles' full name is "El Pueblo de Nuestra Senora la Reina de Los Angeles de Porciuncula."
  19. A cat has 32 muscles in each ear.
  20. An ostrich's eye is bigger than its brain.
  21. Tigers have striped skin, not just striped fur.
  22. In most advertisements, the time displayed on a watch is 10:10.
  23. Al Capone's business card said he was a used furniture dealer.
  24. The characters Bert and Ernie on Sesame Street, were named after Bert the cop and Ernie the taxi driver in Frank Capra's "It's a Wonderful Life."
  25. A dragonfly has a life span of 24 hours.
  26. A goldfish has a memory span of three seconds.
  27. A dime has 118 ridges around the edge.
  28. It's impossible to sneeze with your eyes open.
  29. The giant squid has the largest eyes in the world.
  30. In England, the Speaker of the House is not allowed to speak.
  31. The microwave was invented after a researcher walked by a radar tube, and a chocolate bar melted in his pocket.
  32. Mr. Rogers is an ordained minister.
  33. The average person falls asleep in seven minutes.
  34. There are 336 dimples on a regulation golf ball.
  35. "Stewardesses" is the longest word that is typed with only the left hand.
- ... Now you know everything.



**Volunteer Examiner Testing**



A test session was held on May 12. 7 Candidates were administered 8 elements and ALL received a passing grade. We now have 4 Tech, 1 Tech+ and 2 who earned an upgrade to General Class. The tentative remaining testing schedule for 2001 will be 8/11, and 11/10. Additional sessions may be held as needed.

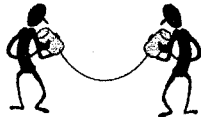
All those attending for tests must have **ORIGINAL** license and a copy, Original CSCE's and 1 photo ID. (VE's-remember to bring and wear your VE - ID Badge!) Special test sessions may be accommodated according to demands, as needed. The test fee for 2001 has been set at \$10.00. Further information 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
K7NGK	Don Broadston.	KC7AGL	Don Muller
AB7SK	Ginger LeGendre	KK7JH	Billy Peters
KG7OL	David Miller	K17EB	Bill Thrift
KJ7KL	Pen Brown	N6LIK	Bob Hoffa
KM6BF	John Wilson	W2YAV	Bill Kafka
W7DC	Bob Harkey	W6CCD	Dick Hughes
W6HDP	Bill Jackson	W9KRQ	Dave Rutledge
	WB6ODR	Bob Smith	



**ARRL RENEWALS.** If you join or renew your ARRL membership, the club gets to keep a small portion of the fee. Remember to include both the application and envelope when you submit it through the club. Thanks. David Passell-K6UWV-Treasurer.



**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, JUNE 21, 2001 @ 7:00pm**

**REMINDER!** The July meeting will be on the 4<sup>th</sup> Thursday of the  
month, July 26, 2001.



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. (N 34° 35' 13.3" W  
112° 19' 44.6")All are invited.

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

CARTOONS COURTESY OF WORLD RADIO™ MAGAZINE



YES. IT'S A BIT OLD BUT THEY  
DON'T MAKE RIGS LIKE THIS ANY  
MORE, YOU KNOW!

**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!

**COMING IN JULY!**  
**Arizona's Largest Hamfest**  
**July 27, 28, and 29**



**HAMFEST HOURS:**  
Friday & Saturday - Dawn to Dusk  
Sunday - Dawn to 2:00 p.m.

**EXHIBIT HALL HOURS:**  
Friday - 12:00 p.m. - 5:00 p.m.  
Saturday - 9:00 a.m. - 5:00 p.m.  
Sunday - 9:00 a.m. - 2:00 p.m.