

The Yavapai Signal

**THE YAVAPAI AMATEUR RADIO CLUB
PRESCOTT, ARIZONA DM-34
VOL 10 - No. 4 APRIL, 2000**



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.



Linda Smith-KD7EEO, shown with "Missy" and "Crystal".

MINIATURE HORSES-Another hobby?

From Bob Smith, WB6ODR

Yes that is my wife, Linda, KD7EEO, holding one of three youngsters born after we moved here.. The little black and white filly was called "Missy", short for, "Little Miss America". That name was given to her by our neighbor when she first saw her and it stuck. The mare, Missy's mom is called "Crystal", she was the first mini horse that we bought 5 or more years ago. We have been into horses for about 20 years. After several different horses in the beginning, trying to see which breed we really liked we got into Tennessee Walkers, they are a very easy riding horse. We had 3 of them born at our place in San Diego, actually we lived in Blossom Valley outside El Cajon for anyone who knows the area. Linda and I have raised many different animals over the years, Dogs, Cats, Birds, Rabbits, Goats, our large and small horses. We have shown Rabbits, mostly French Lops, all over the nation and at one time were considered the second best French Lop breeders in the nation. There must be 100 or more trophies in the overhead from our rabbit showing days. Linda and I brought 5 miniature horses over from San Diego when we moved here. We had 11 of them in San Diego. We also brought some of our birds, they are originally from Australia, Lady Gouldians, Diamond Fire Tails, Scarlet Chested Grass Keets to name a few. In San Diego, with the milder climate we had a one time 17 avaries of different size and several hundred birds of many varieties. Almost all of them were from Australia and easier to raise than the fruit birds of South America or South Africa. Many of the birds we have raised over the years are now restricted and can not be imported any more.

YARC OFFICERS for 2000

President Lee Cunningham, KC7CBK
VicePresident Terry Pemberton-KB7TRE
kc7cbk@arrl.net kb7tre@aol.com

Secretary John Wilson-KM6BF
Treasurer Fred Shefflette-KC7TIN
km6bf@primenet.com

YARC BOARD OF DIRECTORS

Includes Club Officers

Past President
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



UPCOMING EVENTS OF INTEREST



- May 6, 2000 – CARA Hamfest-Sierra Vista
- May 6, 2000 – Whiskey Row Marathon
- May 13, 2000 – VE Testing, Prescott
- June 3 to June 4 – WORLDRADIO Friend's Day Contest



June 24-25 – Field Day

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



MARCH MEETING

The regular meeting of 3/16/00 was called to order at 1904 by club president Lee Cunningham, KC7CBK. There were 24 members and guests present.

Guests were introduced, Jack-W3IVQ and Hans-KB6AH. Hans was first licensed in 1952, in Germany.

The minutes of the February meeting were read by club secretary John Wilson-KM6BF and were approved with one correction to the March of Dimes Walkathon date to 4/15. The treasurer's report was given by club treasurer Fred Shefflette-KC7TIN, who reported the club has \$929.45, with \$465.50 in the repeater fund. The refreshment fund has \$84.17.

OLD BUSINESS. NONE

NEW BUSINESS. On Lee's motion, it was moved and seconded to invite Cliff Hauser-KD6XH, ARRL AZ Section Manager to our July meeting. The meeting date would be changed from the 20th to the 27th (4th Thursday) to allow Cliff to visit in conjunction with the Ft. Tuthill hamfest weekend. Final plans for the April meeting at Carol Hills-KA7LKW QTH were discussed. On a motion, it was moved and seconded to buy pizza's for the meeting. David-K6UWV will pick them up. Carol will provide drinks. John Wilson-KM6BF reported that there would be a specially scheduled test session on Thursday, March 30 at ERAU. Another "Paperwork Only" session will be held at the April 20th meeting, for those upgrading under the new rules. John also passed out postcards for 2 free issues of Worldradio Magazine. Field Day will be held on Saturday only, at the courthouse. Lloyd Halgunseth-WA6ZZJ reported that the County Emergency Services communications van is out of the paint shop and had pictures on

display. It will be utilized for the March of Dimes walkathon on 4/15, and 8 operators will be needed to report at 0730. 16 operators will be needed for the Whiskey Row marathon on 5/06 to report at 0500, with 2 at 0300. Signup sheets were passed around. Lloyd also reported that there would be a Disaster Expo at the Sedona Airport on 4/30 from 1000 to 1500, with exhibits from Emergency Services, Jeep Posse, the USFS and others. Bob Smith-WB6ODR reported that the application for a club call sign is in the process. Bob also reported no problems with the website. Lee-KC7CBK reported no update on the Prescott Valley P&Z issue. He read an article from the BWARC newsletter about a club in California that announced an increase in dues to \$42.50/yr.

There was discussion regarding the ongoing problem with phone calls from persons claiming to be phone company technicians requesting the other party dial 90# to test the line. Anyone receiving a call of this nature should hang up, as dialing 90# will give the caller access to their long distance carrier. It was also noted that many of these calls originate from prisons. Additional discussion followed regarding the heliograph test. Bill Jackson-W6HDP brought some misc. items from a SK. With no further business, the meeting portion was adjourned at 2100.

Following the break, Daniel Love-KD7AHI won \$16.00 from the 50/50 raffle.

The program for the evening was given by Fred Zimmermann-N7PJN and was about APRS. Fred used the computer to show Kenwood's presentation video about APRS and the D7A Dual-Band HT. The HT has the capability to transmit data and voice. When coupled with a GPS unit and a computer, the unit can transmit its location and other messages and data information. It can also be interfaced with Kenwood's video capture device and transmit pictures. We thank Fred for his informative presentation. Fred said he would be happy to help anyone with Q&A about APRS, GPS and other related matters.

With no further business, the meeting was adjourned at 2100.

Respectfully Submitted,

John A. Wilson, KM6BF Secretary



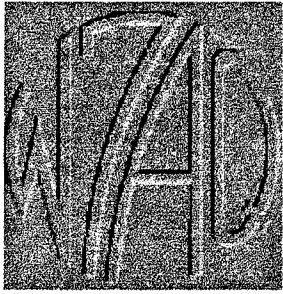
SPEAKERS WANTED! Want to make a presentation to the club? Got a favorite subject or experience you would like to share? If you do, we'd like to hear from you! Programs of interest are always needed for club meetings. Share your knowledge or experience with the rest of the club at our meetings. Contact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



Occasionally we will have articles from other clubs newsletters:
Found this from another YARC!



W7AQ
The Yakima Amateur Radio
Club News Letter

February, Y2K
From the President

What is a Ham? That is a question I am hearing a lot recently. I have seen a few attempts to define the

purpose of Amateur Radio.

Having been a Ham for about 12 years I can not tell you what it has been. So I would like to share of what I have learned from long standing Hams and some history.

When radio first got started every one was an amateur. Some one would hear or see something about this new thing called radio and get curious if they could do it too. After putting together a receiver and a spark gap transmitter they were on the air. These few hearty individuals found that they could not get very far with their low power transmitters unless they relayed the messages for each other. When their friends found out about it, the Hams where asked to send to some friend of theirs. Thus began the service of Amateur radio message handling. Most Ham equipment was home made until after World War II. Most advances in radio came from Hams until about the same time. When an emergency or disaster came the Amateurs were the ones that got the call to help out. It was this kind of service that caused the US government to set aside frequencies for the Amateur Radio Service.

The purpose of the Amateur Radio Service is service. Hams have always talked to each other to share knowledge and rag chew. But when the time came, they served their community by helping with communications in emergencies. This happened in May of 1980 when Mount St. Helen's erupted and the Yakima Hamfest became the communications hub for Yakima. And even today, Hams pass messages around the world. Ham radio has never been primarily for the sole enjoyment of the Ham, but to advance the knowledge of radio and the service of the community.

The willingness to serve has made Ham radio great. Becoming a member of the Amateur Emergency Radio Service (ARES) is one way to get involved. Or get involved with the Yakima County Search and Rescue to help with radio communications. If you are on the HF bands, are you involved with traffic handling (passing messages around the world) especially in emergencies. In between the times of service, there is so much time to have fun with your hobby of Amateur Radio.

My question to you is "What are you doing to serve your community?" Talk to the club officers if you want to put you hobby to a good use.

Jack, N7KNO

FROM THE PAST-PRESIDENT



Toon'n a Texas Two Stick

Remember Clyde from Claude, Texas? I met him about a year ago while driving through that great state. Clyde was really impressed with my 2 meter whoop wahr on the back of my car and said he could get interested in ham radio, especially since his kid was a click'n and a clack'n on cw late at night, learning the code. I left Clyde with the idea that he could get a license and talk to the world through Claude's repeaters. Clyde promised to find a Q&A and do his best to join the ham world.

Well, Clyde called me the other night on 13 meters. I had a devil of a job tuning my TS450 to 13, but Clyde said all he did was drop some Dr. Pepper in the top slots of his transeeder, and he detonated on 13 meters. Clyde said that since he'd been studying 'lectric theory, he learned that if 10 meters was good, 3 more eentsy meters would be even better. Can't argue with that logic, since it seemed to work.

There was a lot of QRM that night though, and sometimes Clyde and I have a language problem. My grasp of TSL (Texan as a second language) has become rusty since I've been away more than five years, but we struggled and finally connected.

Clyde's first plaintive plea was for some hep (help) on his bi-pole antenna. He was familiar with chapter two of the *ARRL Antenna Book* where the "Isotropic Radiator" is discussed. First of all, since the Texas winters are so tough, he wanted assurance about the Wal-Mart anti-freeze with which he coated his radiator, protecting it from freeze up. I told him his antenna would do fine, treated like that. It would probably withstand quite a few "blue northers" that roar in from Oklahoma, laying down everything standing.

Clyde was really upset about the bi-pole rig the book talks about because he only had a long wahr hung in a tree. I explained that the book was talking about a DI-pole, not a bi-pole, but he said anytime there's two of somethin' it's BI, like in bifocal or biplane or even that new fangled water closet contraption his sister brought back from France. She calls it a BI-DAY or somethin' like thet, cuz she can do two duties at once standin' over it. I explained that Bi does mean two of something, but Di means to take one thing and cut in two, like in divide or the way his kid disects bugs in biology class. I said, "the same thing with an antenna, a dipole is an antenna divided into two pieces. Clyde came around and agreed to that, but said, "I still only got one wahr in the tree, how can that be a dipole if it's only one wahr?"

I knew from his antenna description that his wire was center fed, but I sure didn't want to mention antenna feeding to a hog farmer! No telling where that might lead.

I said, "Clyde, you got that antenna fooled into thinking it's two radiators, and it's radiating just fine on 13 meters. What we gotta do now is trim it back like a shrub to make it detonate, I mean resonate at 10 meters." Clyde was silent for a few minutes, and then came back in a huff, "now just a minute KOL, don't you be bad-talking Texas politics. Governor Shrub has done a good job trimmin' ➔

things in Texas. So good that we don't even have no state taxes. Shrub has trimmed so much that we don't even have no skools no more. We take the kids directly out of day care and send them to Texas A&M if they be real good. If they ain't so good, we send them to Texas University. Why, I seen Gov. Shrub do just that, with my own eyes, yessir!" "Who's on the cutting edge of new kinds of edjucashun, thanks to Shrub!"

I sat back and took on some more coffee while trying to figure out a way to move the conversation from Texas politics to Texas two piece antennas. I came up with a new description for Clyde's antenna; The Texas Two Stick! I knew he'd like that name!

I got back to Clyde and said, "Clyde, you have a classic Texas Two Stick antenna, even though it's made of wire." Lets make believe the two halves of your antenna are just like sticks, and just need cutting back to make them detonate, I mean resonate at 10 meters." "A classic?" Clyde said. "KOL, I know you got up to chapter four in that antenna book, so lets trim my stick." "Ok Clyde, here we go," I yelled into my mike, "you ready to climb and cut?"

Clyde sounded like he was ready, so I told him, "now go up into that tree and trim three feet off each end of that wahr, I mean wire." Clyde went up there and made the adjustment and then tried calling me on what I figured was 11.7396 meters, but he was way down in the mud. I said, "Clyde, what happened, I can barely hear you?" Clyde said, "waall, I cut the wahr off like you sed, and soon's I did, the whole damn thing fell outta the tree. Now one end of my Texas Two Stick is stuck on the outhouse door, and the other is wrapped around the stock bucket. Sure got a good ground on that stock trough though, won't that hep toon the stick?"

"No Clyde", I said. "When you get to chapter three of the antenna book, they talk about stock troughs and buckets as grounds, and the ARRL says they're not too good." "What you have to do now" I said, "is lay the two sticks out on the ground, cut another foot off each end, and then tie some rope to the ends and put the whole contraption back up in the tree." "Call me when you do that for the final check out."

Clyde was gone for a good half-hour and I could just see him wrestling with that Texas Two Stick stuck in the privy door! I started reading more of chapter five of the book in case he had some more technical questions. I heard some crackling on the radio, and retuned my 450 to about 28.7 mhz, rocking back and forth with the dial.

And then, THERE-THERE HE IS- Clyde boomin in on 10 meters about S9, just as clear as a church bell.. "KOL, KOL, you there? Do ya hear me KOL?, this is Clyde, and ah think ahm detonating on ten meters. How's this Texas Two Stick radiatin'? Ah bet ahm burning that anti freeze off'n this radiator!"

"Clyde", I said, "you're sounding great on ten meters with that tuned two stick. "Don't make any changes now and you can work this band forever". Clyde agreed to that and then said, "wait 'till I wash out that Dr. Pepper with some of this left over anti-freeze. Wal-Mart sez its good for everythin and it's non-insulting, or somethin' like that." I yelled at him, "CLYDE, CLYDE—don't put anything in those slots.

Leave your transeeder just the way it is!" There was a long pause as I reflected on how I was picken' up that Texas language reel good again, and how good it felt to knowed ah done a good job.

A gurgling and choking just a wee bit down stream on the dial interrupted my reverie, so I retuned and adjusted the IF's a bit for the best response. And there was good old Clyde—on EIGHT meters!

Goodnight Clyde, and 73's to all.

Bob Kane, K7KOL

FIRST CONTACTS!

Since I'm always giving thought to what we could put in the newsletter, I thought I might share one of my own experiences in amateur radio.



When I first got licensed back in the 70's, there wasn't much you could do with a Novice license, and having not even gotten out of the gate, I let it expire. Dumb me! I passed the Novice again in 10/88, but had to wait until 1/89 for my license to arrive. In the meantime, a ham friend helped me set up a 10-meter dipole and a 25-watt 10-Meter radio. Of course I was thrilled the day my license came, but I was a little nervous about getting on the air. "Ah, what the heck", I said, as I turned on the radio.

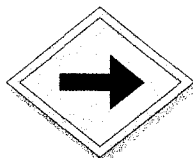
There was 10 meters alive and well with stations all over the place. After a few minutes of listening, I went down into the CW portion of the band and heard a few signals. It didn't take long to get up my nerve to send CQ, since I was still fresh from the 5WPM test and had been practicing. I found a quiet spot and started sending. After the 2nd set of CQ's, someone answered me. "Wow", I thought, "here we go!" With pencil and paper at the ready, I started copying. The other station was VK4JSP. I couldn't believe what I was hearing. A little shaky, I proceeded to exchange the usual information, QTH, rig, antenna, and my name. We exchanged 599 signal reports and I told him he was my 1st ham contact. He offered his congratulations, I thanked him and signed off.

I must have been talking out loud because my daughter came into the room and asked "What's going on?" I told her that I must have gotten a little overexcited with my first contact on the radio. She said, "That's cool", and walked out. Never could get her interested enough to get a license, though. She still calls me a "Radio Nerd".

A few weeks later I got a QSL card from VK4JSP, my first amateur contact-DX and on CW! Yup, still have it, too!

OK fellow members. Let's hear from the rest of you now! Somebody has to be able to top this one!

John Wilson-KM6BF



SAY WHAT?

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

Ham #1: "You audio is distorted"
Ham #2: "Must be the weather!"

"I can't believe anything I hear on the repeater, and I hear it good!"

"I never did get any ham radio stuff for Christmas."

"I turned up the PL on radio so I can get into the repeater better!"

"My wife won't let me put any ham gear in the house, so I have to sit out here in the car!"

"I'd like to get into ATV, but just the audio part!"

A mobile antenna is standing up in the corner of the room-visitor asks, "Is this radioactive?"

"Is there any difference in an antenna for USB or LSB?"



OTHER NEWS OF INTEREST

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

CLUB CALL SIGN STILL IN THE WORKS. Bob Smith-WB6ODR reports that the application for a club call sign is in process. There may be a backlog due to the recent surge in testing and applications prior to the implementation of the new rules which go into effect 4/15/00.

RADIO LAW: EI CAJON CALIFORNIA WINS TOWER BATTLE

Two telecommunications giants – Sprint and AirTouch Vote-A-Fone - are being forced to rethink the way they build telecommunications towers in the city of El Cajon, California. This, after a federal court has ruled in favor of city officials who asked for and got restrictions on placing the cellular telephone sites in residential neighborhoods. City officials and residents of El Cajon claim that the towers are ugly and that construction and maintenance crews are too noisy. But the Cellular Carriers Association of California says that El Cajon, a city that is about 10 miles east of San Diego, is the first community in the state to bring work on wireless facilities near homes to a halt. El Cajon's says that its moratorium on building cell sites in residential zones could last more than two years. The companies involved are expected to appeal. (Published news reports)

FCC FINES WASHINGTON FIRM FOR ILLEGAL AMPLIFIER SALES:

The FCC has affirmed a \$7000 fine on Cellular Systems Northwest Inc of Enumclaw, Washington, for willful and repeated violations of the Communications Act and FCC rules relating to the sale of transmitting equipment. In a Memorandum Opinion and Order March 16, the FCC said Northwest, a consumer electronics dealer, on two occasions in 1997 and 1998 sold and offered to sell "external radio frequency power amplifiers--commonly known as "linear amplifiers" to two different FCC agents posing as a member of the general public. The FCC said the amps were capable of operating in the 27-MHz Citizens Band. A Notice of Apparent Liability was issued in June 1998. Northwest sought rescission of the \$7000 forfeiture saying it never intended to offer or recommend the linears for CB use; its violation was unintentional; that it had ceased selling the illegal equipment; and that it is "small retailer" attempting to make ends meet. The FCC was unmoved and upheld the \$7000 fine. The company was given 30 days to pay the fine.--FCC

HAM RADIO IN SPACE: CAN HAM RADIO ABSORB IRIDIUM?

The bankruptcy of a global satellite telephone system could wind have an impact on ham radio. Or maybe not.

Failed satellite telephone company Iridium, now operating under bankruptcy protection, seems to believe that it is better to burn out than simply fade away. Facing little chance of any financial recovery, the company will says that it will vaporize its 66 satellites -which cost \$5 billion to \$7 billion -- by deorbiting them and letting them burn up in the Earth's atmosphere.

Iridium's worldwide satellite-based mobile phone network proved to be the wrong product at the wrong time. The hardware as well as the airtime was very expensive. The phones were heavy and not all that easy to set up and use. Because of the Iridium phones never caught on with the business and emergency services sectors which need communications into isolated areas.

But an alternative may have arisen in the last week or so. Using the Internet reflectors, some hams are urging the worlds Amateur Radio political leaders to contact the IRIDIUM consortium. Hams want their leaders to ask that the 66 satellites be donated to Amateur Radio for experimental and educational work by members of the world wide Amateur Radio community.

So far it is not known if anyone in ham radio's political leadership has contacted Motorola which is the senior IRIDIUM partner to make such a request. If nobody does, and if IRIDIUM simply abandons station keeping the birds, they will eventually plummet in a fiery display from their current orbit position some 485 miles above Earth.

Will the worlds ham radio leaders cease on this once in a lifetime opportunity? Only time will tell. (Newsline #1184, VHF Reflector, Space Reflector, ports)

REAL HEADLINES?

1. Include Your Children When Baking Cookies
2. Something Went Wrong in Jet Crash, Experts Say
3. Police Begin Campaign to Run Down Jaywalkers ➔

4. Drunks Get Nine Months in Violin Case
5. Iraqi Head Seeks Arms
6. Is There a Ring of Debris around Uranus?
7. Prostitutes Appeal to Pope
8. Panda Mating Fails; Veterinarian Takes Over
9. British Left Waffles on Falkland Islands
10. Teacher Strikes Idle Kids
11. Clinton Wins Budget; More Lies Ahead
12. Plane Too Close to Ground, Crash Probe Told
13. Miners Refuse to Work After Death
14. Juvenile Court to Try Shooting Defendant
15. Stolen Painting Found by Tree
16. Two Sisters Reunited after 18 Years in Checkout Counter
17. War Dims Hope for Peace
18. If Strike Isn't Settled Quickly, It May Last a While
19. Couple Slain; Police Suspect Homicide
20. Man Struck by Lightning Faces Battery Charge
21. New Study of Obesity Looks for Larger Test Group
22. Astronaut Takes Blame for Gas in Space
23. Kids Make Nutritious Snacks
24. Local High School Dropouts Cut in Half
25. Typhoon Rips through Cemetery; Hundreds Dead

(Thanks to Bob Laxton, W7ALR)



ARES/RACES NEWS

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

On Sunday, April 30, 2000 the Sedona Airport will host the first annual Disaster Responder and Technology Expo. It will be open from 10:00 a.m. to 3:00 p.m. The Expo features nearly every facet of the disaster response field. Amateur Radio (Yavapai County ARES/RACES) will be there operating with their communications van. Other organizations include, American Red Cross, Animals in Disaster, Camp Verde Hazmat Team, Civil Air Patrol, Dept. of Public Safety, Emergency Management, Forest Service, NASA, National Weather Service, Phoenix Urban Search and Rescue, Public Works, Salvation Army, Sedona Fire, Sheriff's Posse's, Sheriff's SWAT Team and Yavapai Broadcasting. Parking is free and there will be airplane rides for the kids...

On the Club Scene...

We still need more operators for the Whiskey Row Marathon on Saturday May 6, 2000. If you haven't already signed up to help, please do so. Contact Lloyd, WA6ZZJ, or Lee, KC7CBK, and get your name on the list. It is an early morning event beginning at 5:00 a.m. and going until approximately 1:30 p.m. This year our club logo will be on their banner as one of the event sponsors. It is a fun event and our biggest event next to the road rally in October. Come out to support the Club and YMCA and have fun doing it..

EMERGENCY COMMS: TEXAS TORNADOS

Two tornadoes carved paths of destruction through the Fort Worth, Texas area on Tuesday, March 28th. The storms shattered

windows in high-rise buildings, overturned cars and uprooted trees. At least four people were killed and more than 100 injured.

The tornadoes hit shortly after 6:30 p.m. amid severe thunderstorms that were accompanied by torrential rains, softball-sized hail and strong winds. Based on reports from tornado spotters -- many ham radio operators -- Fire Chief Larry McMillen said, the main storm spawned two tornadoes. One took a northerly route, while the second moved southeast through downtown.

Newsline was in contact with ARRL President Jim Haynie, W5JBP. Haynie lives about 35 miles from where the tornado damage occurred. He says that the hams in the area performed an excellent public service during the severe weather.

Fort Worth is a city of about 480,000 people located 30 miles west of Dallas. As we go to air, hams are still at work in the aftermath of the storms. (Newsline)

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 club treasurer at any meeting.



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

FOR SALE: Kenwood TS450S/AT HF transceiver with Astron RS-35M power supply, Kenwood MC80 mic and Butternut 160-10 meter vertical antenna. (antenna includes all coils, matching stub, lightning arrester and ground radials) Yaesu FT2500M 2 meter mobile with 5/8 wave whip and trunk lip mount. Sale equipment, except antenna, includes orig. shipping boxes. Manuals for all equip.
Wanted: 2M/440 mag mount mobile antenna.
Bob Kane K7KOL 717-0638

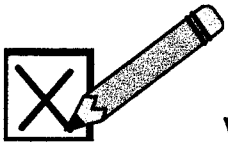
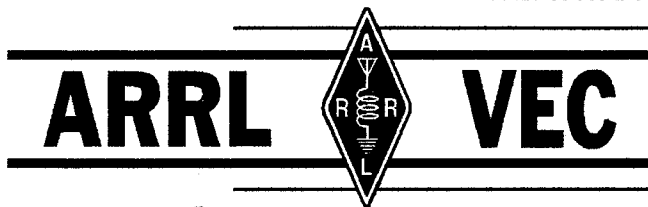
NEWEST VERSION OF HAM UNIVERSITY

The latest version of Ham University, 2.001, lets you study and practice with the latest Question Pools due to go into effect April 15th.

Ham University is the premiere Windows program for studying for your FCC Exams. It covers all three new levels as well as CW. In addition to a formal series of lessons, HamU contains a wealth of practice exercises and the popular game, Pentode®, designed to make learning Morse code fun.

Ham University is sold online by the author (Michael Crick) and in retail stores by Timewave Inc. - currently under the name Morse University. The price is \$40 for new users, \$20 for users of version 1.20 and earlier and free to those who have purchased version 2.000. For those rushing to pass the old exams before April 15th, we are including a copy of 2.000 with current orders.

If you have not tried Ham University, you can download a trial version from our website at <http://crick.com/hamu>.
Michael F. C. Crick (mica@crick.com)



Volunteer Examiner Testing

A test session was held on March 30, 2000 at ERAU. There were 7 candidates who were administered 7 elements, and 6 passed-3 Extra Written and 3 General Written.

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

All those attending for tests must have **ORIGINAL** license and a copy, Original SCSE'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 \$ 6.65. 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 LeGenre |
| KK7JH | Billy Peters | KG7OL | David Miller |
| K7EB | Bill Thrift | KJ7DX | Matt Strandberg |
| KJ7KL | Pen Brown | KM6BF | John Wilson |
| W2YAV | Bill Kafka | W7DC | Bob Harkey |
| W6HDP | Bill Jackson | W9KRQ | Dave Rutledge |
| | WB6ODR | | Bob Smith |

VE NEWS FROM THE ARRL's VEC

2/16/00 ARRL-VEC to charge for code tests: Starting with the inception of the new FCC Amateur Radio licensing rules on April 15, 2000, the ARRL-VEC will charge a test fee of \$6.65 to take the Element 1 (5 WPM Morse code) test. Until April 15, the 5 WPM Morse code test (Element 1A) and/or the Novice written test (Element 2) are free at ARRL-VEC test sessions. (from the ARRL)

160 METER HALL OF FAME

The 160-meter gang has made it through another winter. Band conditions were generally good. Those who have made the effort to get on the lowest amateur band include:

- | | | |
|--------|--------|----------------|
| Pen | KJ7KL | Prescott |
| Jerry | KA1BAB | Prescott |
| Frank | WA6JBV | Prescott |
| John | KM6BF | Chino Valley |
| Jim | W7HP | Paulden |
| Glen | W6KNX | Somewhere |
| Tony | W7PCU | Chino Valley |
| Ginger | AB7SK | Highland Pines |
| David | KG7OL | Groom Creek |
| Allen | KB7CPF | Flagstaff |
| David | K7IOU | Tucson |
| Dale | N7XFD | Prescott |

Operation is nightly on 1900 Khz at 1900Z. It may be a challenge for some to get the right antenna up and working, but if you can, feel free to join the group. Despite conditions, the group meets nightly all year.

AREA REPEATERS

FREQ	PL	Location	Notes
52.560-	100.0	Mt. Union	CARS (-500Khz)
53.040-	C/S	Prescott Airport	-1 Mhz
145.350-	C/S	Wildflower Mtn.	DAWN
145.370	C/S	Towers Mtn.	MMRG
146.780-	91.5	Bill Williams Mtn.	BWARC
146.880-	100.0	Prescott	YARC
146.980-	100.0	Flagstaff-Elden	CARC
147.000+	100.0/162.2	Mingus Mtn.	MMRG
147.140+	162.2	Flagstaff-Elden	ARA Link to Ord
147.220+	C/S	Mingus Mtn.	VVARA
147.260+	103.5	Mt. Union	YC EmergSvcs
223.960-	127.3	Chino Valley	NOWARE
442.150+	100.0	Mingus Mtn.	Northlink
442.350+	100.0	Glassford Hill	
448.400-	123.0	Mingus Mtn.	NOWARE
448.475-	100.0	Flagstaff-Elden	ARA
448.875-	100.0	Flagstaff-Elden	Northlink
449.175-	100.0	Towers Mtn	Northlink
		OTHER REPEATERS	
146.760-	131.8	Hayden Pk	Kingman
146.920-	162.2	Mt. Ord	ARA
147.360+	162.2	Mt. Ord	ARA
		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		PRCBBS-	Packet BBS
145.710		KB7FRV	

ADDITIONS, DELETIONS AND CORRECTIONS APPRECIATED



AMATEUR RADIO LICENSE PLATE FRAME

Everyone will know there's a ham operator onboard when your vehicle bears the new ARRL license plate frame! Interested passersby won't have to ask about those "funny antennas" on your car, and they'll know just where to turn for more information. It's great way to promote Amateur Radio! Order item #7989 for \$4.95 (plus S&H). Visit <http://www.arrl.org/catalog/>.

The entire YARC membership would like to send it's sincerest condolences to Bill Kafka, W2YAV's on the passing of his wife. Services were held Wednesday April 5th at the Memory Chapel Mortuary in Prescott.



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' 23.2" W 112° 29' 45.2")

NEXT MEETING THURS, MAY 18 @ 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. (N 34° 35' 13.3" W 112° 19' 44.6")All are invited.

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

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

Visit us on the web at:

<http://yarc.pr.erau.edu/~yarc>

Many thanks to Bob Smith-WB6ODR, our Webmaster!



Cochise Amateur Radio Association, Inc.

K7RDG is the call sign for CARA, the Cochise Amateur Radio Association. CARA has about 150 members and is located in Cochise County, Arizona, which is in the southeastern corner of the state.

**CARA Hamfest 2000 - Sat, May 6, 2000 CARA Headquarters
2756 Moson Road
Sierra Vista, AZ 85635**

Talk In frequency 146.76 PL 162.2 CARA Website for maps and general information:

<http://www.qsl.net/k7rdg/>

Sellers Setup: Start at 6:00 a.m. Prices: Tailgating \$5.00 Inside Table \$7.00

Prices include one grand prize drawing ticket.

Buyers Admission: \$2.00 Price includes parking and a one half hour drawing ticket