The Yavapai Signal

THE YAVAPAI AMATEUR RADIO CLUB

PRESCOTT, ARIZONA DM-34

VOL 10 - No. 9 SEPTEMBER, 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.

YARC OFFICERS for 2000

President
Lee Cunningham, KC7CBK
kc7cbk@arrl.net

VicePresident
Terry Pemberton-KB7TRE
kb7tre@aol.com

Secretary
John Wilson-KM6BF
km6bf@primenet.com

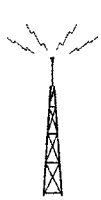
Treasurer
Fred Sheffiette-KC7TIN

YARC BOARD OF DIRECTORS
Includes Club Officers

Past President
Bob Kane, K7KOL

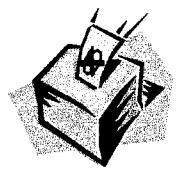
Frank Horneff WA6JBV
Dale Leslie, N7XFD

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. 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.



ELECTION TIME IS COMING!

Yes, it's that time again. Time for some of you to step forward and do your part to help run the club. In November, we will elect new officers for the club. It's not too early to think about what you can do for your club. We have been very fortunate to have good leadership and new ideas brought into the club. If you would like to continue this trend, we urge you participate and run for one of the positions that will be open. A committee will be formed to accept nominations for the open positions.

SCCA ProRally

PRESCOTT FOREST ROAD RALLY
COMING THIS WEEKEND
SEPTEMBER 29 & 30

This is an event that you shouldn't miss! Not only is it an excellent opportunity to exercise your communications skills, but to got out on some of the back roads and be part of the action at the same time.

There will even be some new stages east of here in the Hwy 169/Orme Rd. area, which should produce some pretty fast racing. Some of those stages will be at night, making things even more interesting!

Volunteers are still needed for various positions along the race stages, including start, finish, and checkpoints along the way. Ideally, you will need a good mobile rig and antenna. Remember to bring along food, drink, jacket, chair, extra HT batteries and even your camera.

So don't sit back and think about it! Sign up at the next meeting and show your support for the club.

UPCOMING EVENTS OF INTEREST

- September 29-30 SCCA Prescott Forest Road Rally
- October 6-8, ARRL SW Div. Convention, Scottsdale AZ
- October 7-8 ARRL Simulated Emergency Test (SET) see September, 2000 QST
- October 21, Tucson ARRL/ARCA Swapfest-Sabbar Shrine Temple, 450 S. Tucson Blvd, Tucson, AZ T/I 146.880-
- November 11, 2000-VE Testing, Prescott
- December 2, 2000 Superstition ARC ARRL Hamfest-Mesa Community College

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

AUGUST MEETING

Club meeting 08/17/00. President Lee Cunningham-KC7CBK called the meeting to order at 1900. The guest speaker for the evening was Mike Townsend, owner of Granite Mountain Outfitters in Prescott. Mike, who is also an amateur (KC7WML), talked about his activities with Search & Rescue and the use of GPS. Recent changes in the GPS system have made it much more accurate. Mike also demonstrated the radio equipment he uses in S&R and walking sticks, which when used while walking or hiking can take a lot of stress and load off your legs and feet. Q&A followed. We thank Mike for visiting our club meeting and the valuable information he provided.

The meeting was adjourned at 2008 for the refreshment break. The 50/50 raffle was won by David-K6UWV, who donated his winnings of $13.00 back to the club.

The business portion of the meeting followed the break. Fred-KB2CT gave away study guides and code tapes for General and Extra class exams. Bob-WB7RRQ introduced several visitors to the club, which included Bill Hull-NA6C, Terry Koehl-KB7JVK, Bernie Sakiwicz-N9ORI, and Bill Brelsford-K2DI.

Club secretary John Wilson-KM6BF read the minutes of the July meeting, and they were approved as read. Fred Shefflette-KC7TIN gave the treasurers report. The club has $792.33, which includes $533.00 in the repeater fund and $259.53 in the general fund. The refreshment fund has $72.61. An error was corrected from the July meeting, for the count of membership renewals.

Bob Rosevear-WB7RRQ updated us on the road rally. He also corrected he dates to September 29 and 30 (Fri and Sat); not October as had been reported previously in the newsletter. Signups and most assignments will be finalized at the September meeting.

John Wilson–KM6BF reported on the test session held Saturday, August 12. There were 9 candidates who were administered 10 elements which resulted in 1 new Tech and upgrades for 3 General and 3 Extra Class licenses.

Refreshment chairman David Passel-K6UWV reminded everyone to please recycle the soda cans.

Lloyd Halgunseth-WA6ZZJ reported that the evacuation exercise went well Saturday. Several organizations participated including members of the YARC/ARES, Red Cross, Jeep Posse and Animal Rescue. The simulated evacuation of the community of Iron Springs had 7 operators.10 operators checked in to the Resource Net. There will be drills in the near future to include a statewide drill and a countywide flood evacuation drill. Lloyd also presented Fred Zimmermann-N7PJN a "2 Gold Star" certificate for all of his help.

Lee-KC7CBK reported for Bob Smith-WB6ODR , that the process of obtaining a club vanity call sign and a new URL is still in the works. Lee also reported no update on the Prescott Valley P&Z antenna ordinance, and it will some time before the issue is finalized.

Daniel Love-KD7AHI announced that a new ISP is available to the area. E-speed, which uses microwave technology with a signal from Mingus Mtn., is available through B&W Electronics and is said to provide up to 390kbs connections. For further information, contact Kevin at B&W at 772-8000.

Willard Barr-KB7YVZ announced that club member Gene Keech-KK7JI had been recognized by the Greater Arizona Country/Western Music Association's Hall of Fame, and read the story from the accociations newsletter. (Read the full article further on in this newsletter)

With no further business, the meeting was adjourned at 2108.

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: →

K 5 S L D - Arlington Amateur Radio Club

HF-VHF-UHF Amateur Radio Communications
History of the AARC

The Arlington Radio Club was organized in July 1955 by a group of 22 hams who saw a need for a local focus for their hobby. It has the honor and distinction of being one of the oldest continuously active amateur radio club in the DFW metroplex. On August 18,1984, the club name was changed to the Arlington Amateur Radio Club to differentiate the purpose and membership from that of Citizens Band radio clubs. On May 25th 1990, the club was incorporated as the Arlington Amateur Radio Club,Inc., a nonprofit corporation in the State of Texas. We have a long and rich tradition of public service, education and advancement of the amateur radio hobby. One of the first acts of the club after formation was to offer license classes in 1956. For over 40 years the club has provided free classroom instruction on amateur radio to thousands of prospective licensees in hundreds of classes locally. Many of these classes were given to the youth of Arlington through the YMCA, Boys Club and Boy Scouts. In 1993 the club in cooperation with the Boles Junior High School faculty gave amateur radio classes and helped form the Boles AmateurRadio Club, which is a strong and active club in the school today.

The AARC Today

Currently the Club has about 100 members and growing. We are proud of a long history of service to our community and strive to further the hobby of amateur radio through adherence to a code of ethics, public awareness and education. During times of emergency our members volunteer their equipment, time and services to assist with disaster relief operations. In 1997 the AARC donated over $200.00 of amateur radio technical books and license manuals to the City of Arlington Public Library. Each year the AARC makes donations to the Arlington Woman's Shelter and the Arlington Night Shelter. We provide radio communications for many non-profit civic groups, community sponsored bike races, charity events, and talk-in for visitors attending the annual Ham-Com Convention held in June each year at the Arlington Convention Center. We welcome anyone interested in the hobby of amateur radio and all licensed hams to visit our meetings and we encourage you to participate in all our club activities.

Arlington Amateur Radio Club - P. O. Box 1702 - Arlington, Texas 76004-1702

LOCAL HAM (KK7JI) RECOGNIZED BY GREATER ARIZONA COUNTRY/WESTERN MUSIC ASSN. HALL OF FAME

By Warren Davis

"I got my first playing job when I was seventeen years old," says Gene Keech. "It was on a river boat on the Susquehanna River, where Three Mile Island is today. Our band consisted of two guitars and an accordion. It was my first paying job."

As we talked over a cup of coffee, I realized Gene had lived his life to the fullest, despite the fact that he had been handicapped since he was two years old. It seems that his grandfather was playing music with his friends and having a great time when Gene decided be wanted to get out of his crib and join in the fun. In doing so, his knee became lodged between the rails of his bed. In trying to free himself he dislocated his hip. This was never diagnosed until it was too late to correct, a problem, which has stayed with him all his life. "You might say that my first interest in music caused me many years of pain and suffering," says Gene. "I don't remember who it was, but someone gave me a ukulele when I was six or seven years old, and that got me started. The first song I learned was', "Show me the Way to go Home."

Gene's love for music never ceased however, at times he was too busy with his other interests to pursue his first love. He completed eighteen months of training in a watch repair school in Lancaster, Pennsylvania. After a short time working for a Maritime company and ship repair service in Virginia, he moved to Wilmington, Delaware and into the watch repair business.

His next move was to Coatsville, Pennsylvania where he did watch repair for a local jewelry store. It was the winter of 1945 and the weather was so bad that he couldn't get to work for a month. The very next year Gene, his wife, Dottie, and baby son, pulled up stakes and moved to Phoenix. " I'd had enough snow to last me for the rest of my life" he said.

In Phoenix, he continued his watch repair business with the Shennan Diamond Co. He also taught watch repair for Holt's School of Horology while doing repair work for local jewelers. He later was able to open his own store in Phoenix.

It was while he was teaching that he started playing bass part time with Marty Robbins at the Tombstone nightclub in Phoenix. Marty was just getting started in the music business and on his way to stardom. After Marty left for Nashville Gene began playing bass with "Curley" Henson's band at the Melody Inn, a club located between Tempe and Mesa. In this group was a guitar player and signer named Buck Owens. Again, Buck was just getting started in h long musical career'. Gene laughs about how Curley once stuck his foot through the stage floor and it took some effort to get his boot free. Slamming his foot down was his way of signaling the band that he was ending his song. "This time he slammed it a little too hard," says Gene.

Playing music in the Phoenix area gave "Gene the opportunity to meet many good musicians. This was where he met Jimmy Chappell, whom he has played music with ever since. Jimmy moved to Dewey and a few years later Gene and Dottie decided to move out of Phoenix as well. Dewey looked like the place they wanted to live. "The people are all friendly here," Gene says. After moving to Dewey, Gene joined the "Vanishing Breed" band, which consists of Jimmy on bass and vocal, Gary Hood on steel, and Gene on rhythm guitar. They play every Friday and Saturday night at the La Fiesta Restaurant in Dewey. They've been there for the past four years and enjoying it very much. Gene has also been close friends with →

Bobby McLean, Dave Almond, and many other great local talents, too many to name all at this time.

Gene and Dottie have two sons, one in San Jose, California and one in Phoenix. They have four grandchildren and two great-grandchildren. Gene has never given up his watch repair skills and still repairs watches and clocks part time at his home.

(Thanks to Willard Barr-KB7YVZ for this interesting article!)

FROM THE PAST-PRESIDENT

HANGING A LEFT
at
ENGLAND

The gate agent was urging my wife and me to go to England as we thumbed our way to Ireland. "ENGLAND?" I said, "We don't want to go to England, we're headin' for Ireland!" The agent looks over his glasses at me and says, "Go to England, and hang a left!"

I'm retired from one of the "big three" U.S. airlines, and part of my retirement package was unlimited travel on my employer-airline. Also included in that package was heavily discounted travel on a myriad of other carriers, both foreign and domestic. The down side of that privilege was that my wife and I would have a seating priority on a par with whale dung, which as you know, is at the bottom of the sea.

Oh for the salad days of working, when my management position gave me a seating priority inferior only to company officers, dead heading crew members, and paying passengers. The price we have to pay to retire, it's so—so deflating!!!

At any rate, our trip to Ireland was to be made in two stages, from Phoenix to Atlanta and from Atlanta to Shannon. Shannon would be our final destination by plane, and our jumping off point for a three-week driving holiday in Ireland. Total elapsed time would have been about 12 hours if I had anted up the dough to buy tickets, but I elected to use my pass privileges and brave the odds finding empty seats on flights. Twenty-four hours later, we collapsed exhausted in a B&B near the Dublin Airport, still a country-width away from our destination.

Here's the saga of that excursion:

We arrived at a Phoenix Airport motel the night before the early-morning flight to Atlanta in order to get a good running start on the day, and a place to leave our car while gone. The next morning at 5:30 AM, we shuttled to the airport and checked our baggage and ourselves in to Atlanta on the 7:30AM flight, with connections to Shannon. "No problem", the ticket counter agent said, "The flight's wide open for non-revs (non-revenue generating passengers) to Atlanta and still some seats available on the Atlanta Shannon leg." That's airline jargon for: "there's a seat in the john, and one in the flight attendant's carry-on stowage area. You might get those providing a paying passenger or a WORKING member of this airline doesn't show up and bounce you off the flight!" As she checks our bags and loads them on the bag belt behind the counter, she remarks, "you won't see THOSE BAGS again until you get to Dublin!" I correct her and say, "Shannon"! She counters, "Oh yeah, Shannon--is that Norway or Nova Scotia?"

She waves us on to the gate and tells us, "STANDBY at the gate for a boarding pass!" I note the knowing smile on her face as she instructs me. She's probably spent a lot of time at gates herself, waiting with bated breath for that coveted boarding pass. I can't help thinking of my working days when I enjoyed superior pass privileges. It's so demeaning for retired managers to have to leave their scepter and ermine robes in the corporate chambers. I'm at the mercy of the seat allocation gods!

We hustle up to the gate and get in line for our boarding passes. Looks pretty good. I only see about 150 people milling around, and the Boeing 757 going to Atlanta carries 180. The gate agent tells me "standby, we have a slight problem with the flight at the next gate". What he's telling me is, "you AINT GONNA GET ON".

He's right, the flight next-door cancels, and the loads are combined on MY flight!

There go our seats, and my wife and I stand at the terminal windows, waving bye-bye to our flight! Not to worry though, the next Atlanta flight leaves in 2 hours and "it's wide open for non-revs!" That's airline jargon for "lot'sa unsold seats for free-loaders". The "free-loaders" are usually employees and retirees of the host or another airline.

We go back to our warm departure lounge seats and wait out the two hours when another 757 pulls into our gate. I do a bit of mental arithmetic, and again – so far, so good, only about 100 people appear to be waiting. At long last, the boarding process begins with the "Pre-Boarding" announcement. I've never quite figured out why the airlines settled on that choice of words. If "pre" means "in advance of", how in the world can you board before you board? Oh well, all I care about is getting that prized boarding pass in my sweaty hands, and they can pre or post board until the cows come home!

The agent hands me two boarding passes, and I light up with gratitude. I look at the seat assignments, and they're row 6, A and B. Holy Smokes, that's first class! When I look up again, I swear, there's a halo around the agent's head!! I start to genuflect and prepare to kiss his ring, but my wife grabs me and says, "Enough Already, get on board!" We grab our carry-on bags and SAUNTER on to the airplane, into the FIRST CLASS section. We don't turn right after entering the cabin door for, ugh- coach; we turn LEFT, into FIRST CLASS, where we belong!

Settling into the leather seat, I contemplate the lunch menu: Atlantic Salmon, Cordon Bleu, or filet mignon, with a medley of fresh vegetables and our choice of Italian, French or California wines. I'm looking quite suave, but I'm sweatin'. I'm saying to myself, "Close that cabin door. Push back from the gate. Start an engine!" "Don't let anymore people on—they might be paying passengers and take my seat!"

Finally, the cabin door **does** close, and we push back and engines start. Away we go, two free loaders sipping Bloody Marys while ordering Atlantic Salmon with a medley of fresh vegetables, and a fine Cabernet Blanc from France!

Don't get upset, folks. I'm patriotic. I get my California wine in a box at Safeway!

The flight is uneventful, and we watch the movie "Eirin Brokovich" while sampling the after lunch brandies and mints. Life is GOOD! →

We arrive in Atlanta with hours to spare for our Shannon flight, and settle in at the international departure lounge, waiting for the gate agents to show up so we can again get our first class boarding passes. This flight is on a Boeing 767 and seats 250. It's 3800 miles to Shannon and will take about 9 hours. Not too bad if one is stretched out in a first class recliner seat, enjoying a late night snack and Eggs Benedict in the morning with the obligatory Bloody Mary!

Well—the gate agents show up and they begin their finger exercise ritual: tapping on the podium computer. Tap, Tap, Tap, Tap, they never stop! Are they getting their e-mail from Yahoo! or are they making sure that my wife and I are placed in first class?

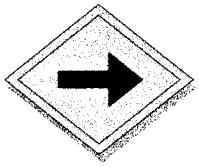
We wait, and watch the hordes get on the airplane. It's like being a witness to Noah's "cruise" of eons ago. They keep filing on to MY flight; 1 by 1, 2 by 2, 2 by 4, —where are they putting them all? Finally, the lounge is devoid of all but a few stragglers, looking longingly at the gate door. "They must be send-off folks," I say to myself, "bidding farewell to their families." They can't be free loaders, looking for a free ride to Ireland. What gall, how common!

But they are freeloaders; all poor lost souls like my wife and me. Just trying to get to Ireland for a well-deserved vacation after a life toiling for the airline! " The cabin crew is probably just doing a head count to see how many unfilled seats remain" I think, justifying the momentary delay in boarding. "It's ok if you're a little filled," I tell the Seat Assignment God", I'll fly the empty seat in the john, and my wife says she doesn't mind riding with the carry on bags! And really, we won't need any food or drink for at least 10 hours!" If you want seats badly enough, you'll grovel and bargain away just about anything! We don't want to spend the night in Atlanta, and then do *this* again tomorrow night

But, it's not to be. The head agent strides to the podium and authoritatively grabs the PA mike. "This flight is full" he announces, "The next flight to Ireland is tomorrow night". He goes on, "We do have seats available on other flights going to Manchester or Milan if you want to go there instead of Shannon!"

73's, Bob Kane K7KOL 083000

TO BE CONTINUED – NEXT MONTH



SAY WHAT?

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

"Say, what's that hum I hear on your signal?"
"Probably my PL tone"
"Hmmm, thought it was sub-auduble!"

"I'm buying 40 acres, out in the middle of nowhere, so I won't disturb any neighbors with my signals!"

(overheard on a local repeater) "What's the best was to get to Sedona?" Unidentified answer: "Drive!"

"This fancy SWR gizmo must have mirrors in it because it measures reflected power!"

"I always lose my train of thought when the power goes out and I can't finish a conversation on the radio!"

"I hooked up the power cable wrong on my mobile and now all I have to show for it is a 2-meter paperweight!"

"I disconnected all my antennas during that electrical storm. Now I can't figure out which coax is which!"

JOKE OF THE MONTH

John was nearing his 21st birthday and was very excited. For generations, the men is his family had the tradition of getting drunk and then walking on the water on their 21st birthdays. Finally, his birthday arrived and John set out with a group of friends to the nearby lake. After rowing out to the middle and drinking a six-pack John decided it was time. He stood on the edge of the boat and then stepped out into the water. He sunk like a stone. After his friends pulled him out of the water, John sat resting in a hospital bed. When he regained consciousness he saw his mother and asked "Mom, I don't understand. I did just like Dad and Grampa. It was my birthday and I went to the lake and got drunk. I ended up almost drowning. What did I do wrong Mom? Why couldn't I walk on the water like they did?" John's mother replied "John, your birthday is in August, and both your Dad's and Grampa's birthdays are in January." *(Courtesy WORLDRADIO MAGAZINE)*

OTHER NEWS OF INTEREST

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

NEWINGTON, CT, Aug 31, 2000--Looking "beyond enforcement," FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, has offered his ten personal suggestions to secure a sound future for Amateur Radio.

RILEY HOLLINGSWORTH'S TEN PERSONAL SUGGESTIONS FOR AMATEUR RADIO OPERATORS

1. Be proud of what you have and let your feelings be known. Let the public know what you are, what Amateur Radio is, and why it's valuable. Let your feelings be known to Congress, to the FCC, to the media, to your states and to emergency agencies. Sprint does. AT&T does. Motorola does.

2. Operate as if the whole world is listening. It is!

3. Take nothing for granted. Bill Gates can't, and you can't either.

4. You're at a crossroads now. An old Chinese philosopher (or my grandmother--I can never remember which!) said, "Be careful what you wish for. You may get it." Seize the moment, and make this your finest hour. Ham radio has been at a crossroads before and has thrived. Continue that tradition.

5. Make sure that, on your watch, Amateur Radio never becomes obsolete.

6. Teach the new licensees all you know. We've needed numbers for a long time.. Respect this wonderful legacy known as Amateur Radio that our mentors and Elmers gave us. Every time you key the mike or hit the key, think about what a legacy you were given and your duty to pass it on. ➡

7. Enjoy ham radio. Celebrate it. But realize it comes with responsibility. Every gift of lasting value always does.

8. Stay away from arrogant, negative operators who know all the answers. They just haven't thought of all the questions. Encourage them to take their anger and hate to the Internet. Every minute they are on the Internet is a minute they aren't on Amateur Radio.

9. Never allow Amateur Radio to become the audio version of The Jerry Springer Show.

10. You may not always agree with the League, and that's fine. But I'm standing here before you tonight talking about enforcement because they never gave up. Take care of the one voice you have. You must never doubt that a small group of dedicated people can change the world. They just did.*(From The ARRL's Web Extra 8/31/00)*

RF Exposure Guidelines in Force for All Amateurs on September 1

NEWINGTON, CT, Aug 31, 2000--The time has come! Effective Friday, September 1, every US amateur will be required to fully comply with the FCC's RF exposure guidelines.

The regulations, which went into effect January 1, 1998, require US Amateur Radio operators to read and understand the rules and, where necessary, perform technical evaluations to determine that their stations are compliant with the new regulations. Up until now, only hams who have had to file an Amateur Radio application with the FCC have had to certify compliance with the RF exposure rules. On September 1, all amateurs must comply.

Under the regulations, an amateur station must not exceed the maximum permissible exposure limits for transmitter operation. MPEs are both frequency and power-dependent.

"These regulations are not a major burden on the Amateur Radio Service," said ARRL Lab Supervisor Ed Hare, W1RFI, the League's point man on RF exposure issues. "Most hams are already in compliance with the MPE requirements; some hams will need to conduct a simple station evaluation."

Compliance isn't difficult, and the vast majority of amateurs will find compliance to be a "slam dunk." By and large, the FCC has put hams on the honor system, but compliance with the RF exposure rules is not optional.

"Even aside from the fact that every US amateur is required to follow the RF safety regulations, amateurs owe it to themselves, their families, their neighbors, and the general public to follow the FCC guidelines to the letter," said ARRL Pacific Division Director Jim Maxwell, W6CF, in urging compliance.

Those who do not clearly understand their obligations can find a complete description of the rules on the ARRL Web site. The site also contains resources to make your station evaluation quite painless.

The topic of RF exposure and safety also has been covered extensively in QST (see "FCC RF-Exposure Regulations--the Station Evaluation" by Ed Hare, W1RFI, January 1998 QST) and in columns by ARRL RF Safety Committee Chairman Greg Lapin, N9GL, that have appeared in The ARRLWeb Extra over the past seven months. As a result of the FCC guidelines, questions dealing with RF safety have been incorporated into the Amateur Radio question pools.

Hare also wrote the standard Amateur Radio reference on the topic of RF exposure, RF Exposure and You, published by the ARRL. The book is aimed at answering all questions about meeting the FCC RF exposure regulations. It includes simple step-by-step worksheets for hams to use to help determine if their stations comply with the rules--and, if not, how to correct the problem. (RF Exposure and You is $15. Order item #6621 from ARRL.)

The FCC's OET Bulletin 65 and the Amateur Radio Supplement B are available on the FCC Web site.

Address questions about RF safety and the FCC exposure guidelines to ARRL Lab Supervisor Ed Hare, W1RFI, ehare@arrl.org.--with thanks to Ed Hare, W1RFI, and ARRL Pacific Division Director Jim Maxwell, W6CF

FROM HAL-N6OVE:

CAREFUL NOW: This riddle must be done in your head and not using paper and a pen.

Please do not cheat. Do this in your head as you read them!!

Take 1000 and add 40 to it. Now add another 1000.
Now add 30. Add another 1000.
Now add 20. Now add another 1000. Now add 10.
What is the total? (See back page for answer)

ARES/RACES NEWS

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

There will be an ARES/RACES training meeting on Saturday, October 21, 2000. The location in Prescott is yet to be determined, but announcements will be made on the nets.

On Wednesday, November 15, 2000 there will be a Statewide Flood Exercise beginning in the morning. Yavapai County Emergency Management is including a Countywide Drill and plans to use Amateur Radio extensively. We will be able to use this exercise for this years Simulated Emergency Test so please plan to participate.

10 Ways to Optimize Your Effectiveness in Public Service Events

1) **Make sure your radio is in top operating condition.** Small problems (such as loose antenna connections, bad microphones, intermittent operation, etc.) may be just annoying during casual operation, but WILL cause major grief under the continuous/severe service of net/emergency operation.

2) **Don't operate your handheld with it hanging on your belt.** Using the radio while it's strapped to your waist reduces your effective radiated power by more than 10 dB. That's a 90% reduction in power. Hold the radio in your hand, with the antenna in the clear.

3) **Regarding antennas,** those 3" rubber dummy loads may be cute, but you're throwing away 3-6 dB of power when using one. (If you're *really* into math, compute the loss of a 3" rubber dummy load used on a beltclip). A telescoping half-wave has a gain of as much as 10 dB over a 3" rubber duck and a quater-wave provides a 4-6 dB improvement. Even a 12-15" rubber duck will boost your signal by 3-6 dB over the 3" ones. Remember that one dB can mean the difference in whether or not a critical message gets through.

4) **Have charged batteries and spare battery packs!** If you also have a dry cell battery case, fille it with alkaline batteries. Make sure you have enough batteries with you to carry you through, even on high power.

5) **Use headphones or an earphone** rather than a speaker/mike. Most earphones will plug directly into your HT. Low cost stereo headphones are widely available and will work perfectly with your HT using a mono to stereo adapter. The headphones also have the advantage of concertrating the communications in your ears, while partially shutting out the outside noise. Headphones will also prolong battery life by allowing the radio to operate at lower audio output. A speaker/mike is the worst thing you can use -- it doesn't cut the outside noise, it doesn't save batteries, and where is that HT while you're using the speaker/mike?? (Hint --- see #2!) ➔

6) **Speak slowly and clearly** when transmitting! You make take pride in your ability to run your words together and mumble, but the station on the other end may be in a noisy environment and may not receive your message.

7) **Check out your ability to use simplex.** Even if the operation is being conducted on a repeater, there may be "dead spots," the repeater may go down, or, sad to say, there may be jamming. Even if you can only work the two or three stations closest to you, a message can still be relayed. To maximize your simplex range, please reread #2 and #3.

8) **Listen to net control** and direct all communication through him/her. Identify your station when calling net control and keep all communications direct and to the point.

9) **If you must leave the radio** or the area to which you have been assigned, first seek permission and acknowledgement from the net control station, make your "time off" as short as possible, and check back in with NCS immediately upon your return.

10) **Project a good image** to the non-hams around you that are part of the event/emergency. This means acting professionally, using basic hygiene skills, etc.

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

ARRL VEC

Volunteer Examiner Testing

The final testing for 2000 will be on Saturday, November 11 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 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 $ 6.65. 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
K7NGK	Don Broadston	KB7FRV	Leonard Beers
KC7AGL	Don Muller	AB7SK	Ginger LeGendre
KK7JH	Billy Peters	KG7OL	David Miller
KI7EB	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

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
147.040+	100.0	Prescott Heights	W2YAV
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
448.500-	100.0	Prescott	KB6TWC
448.875-	100.0	Flagstaff-Elden	Northlink
449.175-	100.0	Towers Mtn	Northlink
		OTHER REPEATERS	
53.410-	114.8	Greens Pk	Show Low
146.760-	131.8	Hayden Pk	Kingman
146.920-	162.2	Mt. Ord	ARA
147.360+	162.2	Mt. Ord	ARA Link to Elden
		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

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.

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. Fred-KC7TIN, Treasurer.

ARRL Southwestern Division Convention 2000

October 6-8, 2000 Ramada Valley-Ho Scottsdale, AZ

Sanctioned by the Amateur Radio Council of Arizona
Presented by the Scottsdale Amateur Radio Club
And other Amateur Radio Clubs in Arizona

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, OCTOBER 19 @ 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.

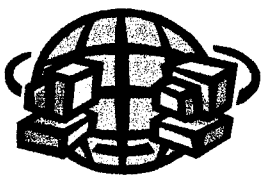
Thursday Morning Breakfast-Michael's Restaurant in the Safeway Shopping Center, Hwy 69 Prescott Valley, 8:00am. (N 34° 35' 13.3" W 112° 19' 44.6")All are invited.

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!



-KD7JBR-

Hal's Quiz!
Did you get 5000? If so you are incorrect.
The correct answer is actually 4100.
Don't believe it? Check it with your calculator!