



# YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 25 – No. 5 • May 2010

## From the President's Desk...



Hello to all. With the weather getting nicer, and the days longer, we are moving into our busy time of year. Yes, I am ready for spring and warmer days. I look forward to shorts and T-shirt days again.

Last meeting Terry KB7TRE, the 2010 Hamfest Committee Chairman, gave his report, and explained in chronological order the events which led to canceling this year's Hamfest. Due to irreconcilable differences between the Yavapai Amateur Radio Club and the Verde Valley Amateur Radio Association the committee has cancelled the Yavapai Hamfest this year.

Representatives from both clubs agreed to put these issues behind us. The Yavapai Amateur Radio Club will continue to promote amateur radio activities in our community. Please visit our web site (w7yrc.org) for additional information.

The YARC members raised \$420.00 to help the family of US Marine LCpl Michael Martinez, a 2008 graduate of Prescott High School, was serving in Afghanistan when he was critically wounded on Friday, March 12, 2010. Martinez was passing through a footpath when an IED exploded. Martinez lost both his legs below the knees and also took some shrapnel in his left arm. Those who would like to give financial support can do so by sending contributions to:

3090 Samaritan Way  
Prescott, AZ 86301

Checks should be made payable to Michael T. Martinez

If preferred, an account has been set up at:

Chase Bank, (ask for the account number ending in ...869)  
302 W. Gurley St.  
Prescott, AZ 86305

I applaud the YARC members, who donated on the spur of the moment, to help defray the costs associated with his inju-

ries and recovery process. Michael T. Martinez and his family have lived in the Prescott area for many years. We do our share to help in the community.

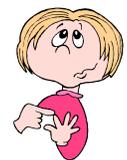
Respectfully, Pete K6VVR



Michael with his bomb dog partner Hank

### Membership Count:

1st Thurs. in March.....	193
Gain/Loss.....	-1
1st Thurs. in April.....	192*



\* Includes 7, 3-Month Memberships

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## *Welcome to the Yavapai Amateur Radio Club*

The Yavapai Amateur Radio Club (YARC) is an ARRL affiliated Special Service Club. The club participates in many activities in the tri-city area by providing communications for local events, emergency communications, and promotion of the hobby throughout the community.

Membership in the YARC is open to any interested amateur or non-amateur alike. Dues are \$20.00/year (Full-time students \$15). The YARC meets at 7:00 p.m. local time on the first Thursday of every month in the Technology Room 404, at the Granite Mountain Middle School, 1800 Williamson Valley Road in Prescott. It is about ½ mile north of Iron Springs road, 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 p.m. local time on 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 7:00 p.m. local time on the 145.290- repeater on Mingus Mountain. A PL of 127.3 is required.

### *Club Repeater*

The YARC 146.880- repeater is located on the hill above Willow Creek road and requires a PL of 100.0 Hz. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire the original club repeater.

## *Minutes of April 1, 2010 Board Meeting*



Meeting was called to order at 1820 hrs by the President, K6VVR.

WA6ZZJ, KE7DTR, WB7UZV, AB7NK, AD7RL, AD7WW and KB7TRE were also in attendance.

Agenda for General Meeting discussed.

On motion from WB7UZV, seconded by KB7TRE, Hamfest Committee dissolved by unanimous vote.

Meeting adjourned at 1842 hrs by fire alarm.

Respectfully submitted,  
George Imburgia, AD7RL  
Secretary

## *Minutes of April 1, 2010 General Meeting*

Meeting was called to order at 1913 hrs by K6VVR. Introductions were made following the Pledge of Allegiance.

**Attendance:** 63, 39 of whom signed in.

**Minutes** of the March meeting were approved as corrected, on motion of KB7TRE, second of WA6ZZJ and no dissenting.

**Treasurer's report** presented by AB7NK; Beginning balance \$4302.08, income \$414.00, expenses \$182.87, ending balance \$4533.21 & Repeater Fund balance of \$925.92.

## COMMITTEE REPORTS:

VE By AB7NK

2 VE sessions;

March 6 – 20 applicants, which resulted in 15 Technician, 3 General, and 1 Extra class licenses.

March 27 – 14 applicants, resulting in 5 Technician, 7 General and 1 Extra class licenses.

**ARES/RACES:** Presented by WA6ZZJ.

The annual Wildfire Exercise was held Friday, March 26. An article covering the exercise was published in the Daily Courier. This exercise simulated the evacuation of a subdivision, with an evacuation area at the Gateway Mall. The MARC was stationed at the mall, providing communications to the county EOC at Love Field. Cell tower and public service communications failures were simulated, demonstrating the value of ARES/RACES.

Saturday, April 10, 0900 to 1100, ARES/RACES orientation meeting will be held at the Yavapai County Public Works building, 1100 Commerce Dr., Prescott.

Wildfire Expo, Saturday April 17, 1000-1500. On Cortez St., at the Courthouse Square. MARC and firefighting groups will be there.

Saturday April 24 is the Whiskey Off-Road mountain bike race. A few more operators are still needed.

Whiskey Row Marathon on May 1. This event is staffed at this time, but standby operators are being accepted.

**CLASSES:** W7JLC reports a General class was held on March 13 & 20. 11 students attended, 10 tested, 9 upgraded. Jack thanked Bud “for teaching the hard math stuff”, and Lee for covering 3 chapters in 5 hours.

**IRLP:** W7JLC reports IRLP up and running on 442.350+ 100 HZ PL.

**BADGES:** Presented by KC8BOB.

WB6ODR is accepting orders at \$6.75 for the custom engraved YARC badge.

**REFRESHMENTS:** K6UWV provided plenty of cookies, coffee and soft-drinks.

**ELMER:** KA7JAS reports Elmering is good.

**SCHOOL CLUBS:** KB7TRE reports the BMMS club is looking for some help. GMMS is having a lot of fun.

**YOUNG (and NEW) HAMS:** KI6AHH reports record check-ins on the 147.22 repeater every Sunday evening at 7 PM. Everyone is welcome to join the net. Considering moving to the 146.88 repeater, and possibly changing the schedule.

**SLOW CODE:** WB7UZV reports the Slow Code net on the 146.88 repeater every Sunday night is go-

ing well. Practice code tapes are available. Sheets with Q-signals, W1AW schedule and time conversion sheets are also available.

**FOX HUNT:** K6VVR announced the T-hunt will be held on the Sunday following Easter, from 1300 to 1500 starting at the Arizona State Credit Union on Gail Gardner Way near Willow Creek Road. Contact on the club repeater, 146.88Mhz.

**FOOD BANK:** KB7TRE reports the last food donation totaled about 80lbs.

A collection held for LCPL Michael Martinez' family netted \$420 tonight.

#### **OLD BUSINESS:**

No old business.

#### **NEW BUSINESS:**

KB7TRE presented the Hamfest Committee Report which describes the reasons for cancelling this year's Hamfest. Some discussion followed.

A motion was made and seconded to “End the conflict; end the discussion”. Approved unanimously.

50/50 Drawing of \$49 was won by KE7ODP.

Meeting adjourned at 2028 hrs.

Respectfully Submitted,  
George Imburgia – AD7RL  
Secretary

#### **House Lights Cause Interference?**

Absolutely. There is always potential for anything electric to cause radio interference. But in the case of lighting, several common sources stand out.

“Discharge lighting” such as fluorescent as well as sodium--and mercury vapor fixtures are major culprits. Ballasts in fluorescent lighting are frequent offenders, particularly newer energy-conserving types or others close to the end of their useful life. Failed starters on low-pressure yard lights can wipe out HF reception and should be replaced.

Low-voltage halogen lamps are great for lighting, but their switching power supplies can produce very broadband noise. Make sure any halogen lights you purchase include RFI suppression.

“Touch lamps” are RF-operated devices that often cause, or are susceptible to, EMI problems. They have a free running oscillator that is very broad and rich in harmonic energy. This oscillator is hooked up to a touch plate that changes the frequency of the oscillator when a hand is placed near the plate.

Unfortunately, this plate also acts as an antenna, radiating some of the energy of the oscillator, or picking up nearby radio signals. When the former happens, it can interfere with other services. When the latter happens, the circuitry inside the lamp reacts the same way that it would when the plate is touched -- the lamp changes states from “off” to “on”. A 1 - 5k resistor in series with the power lead to the box may help when AC line filters do not.

Solid-state light dimmers can cause RFI. Lutron NOVA series dimmers provide good RFI suppression. ■

## Yavapai Amateur Radio Club

### April 2010 Treasurer's Summary

#### Income

4/1/2010	KF7ING	Frank Kennem eur	N	9994	\$ 20.00
4/1/2010	KF6BTV	Marty Goyette	R	cash	20.00
4/1/2010	KI6AHH	Tony Jackson	F/R	---	---
4/1/2010	KE7TDR	Bruce Jaeger	patches	cash	6.00
4/1/2010	W5VJH	John Gross	decal	cash	1.00
4/1/2010	AD7TG	Eric Nelson	R	cash	20.00
4/1/2010	KE7NAW	Meghan Nelson	F/R	---	---
4/1/2010	AE7TV	sale of equipment		cash	20.00
4/1/2010		Fifty-fifty			<u>98.00</u>
Total Income					\$ 185.00

#### Expenses

4/1/2010	K6UWV	David Passell	Refreshments	1138	38.87
4/1/2010	AD7RL	George Imburgia	Copies	1139	56.88
4/1/2010		Allegra	Newsletter	1140	32.87
4/1/2010	KE7ODP	Diane Dutkevitch	50/50	cash	49.00
4/12/2010		Barker Specialty Co.	WB6ODR award	CC	<u>42.75</u>
Total Expense					\$ 220.37

Beginning Balance	\$ 4,533.21	March ending repeater balance	\$925.92
April Income	<u>185.00</u>	April repeater fund	<u>6.00</u>
Sub Total	4,718.21	April repeater fund balance	\$931.92
Expenses	<u>&lt; 220.37&gt;</u>		
General Fund Balance	\$ 4,497.84		
Decrease	\$ <35.37>		



## *May Program Speaker*

**George Imburgia, AD7RL**

George is a Network Security Engineer, as well as our YARC Secretary. He will give a talk on **"Hackers in Communications"**.



*By Lloyd, WA6ZZJ*

## **ARES/RACES.....**

ARES/RACES participated in the annual Wildfire Expo that took place on the Cortez Street side of the Courthouse Plaza on Saturday, April 17, 2010. This is an annual event that has many Fire Departments from the area, the Prescott National Forest, Police and Sheriff's units, Yavapai County Jeep Posse, the American Red Cross, ARES/RACES along with other vendors and fire safety exhibits. And we can't forget Smokey the bear and some of his friends.

Many visitors stopped at the ARES/RACES Mobile ARES/RACES Communications Vehicle (MARC) that was on display. Some were amateur operators, a few who had not been active for a time, along with others that showed an interest in Amateur Radio. There was a display table explaining the role amateur radio plays in emergencies as well as special communications events. There were handouts for the Yavapai Amateur Radio Club as well as ARRL materials available.

This is always a great event to place ARES/RACES and Amateur Radio Emergency Communications in the public view.



**ARES/RACES Communications Vehicle (MARC)**

## **SPECIAL EVENT COMMUNICATIONS.....**

Whiskey Off Road 2010... Whiskey Row Marathon 2010...

By the time of the May YARC meeting the 7<sup>th</sup> Annual Whiskey Off Road Bicycle event and the 32<sup>nd</sup> Annual running of the Whiskey Row Marathon will be over. There will be a write up on these events in the June newsletter.

Members signing up to work these two events exceeded expectations this year. Both events were able to be staffed with ample operators. It was refreshing to see several new names and faces participating. Special event communications is a very good form of emergency communications training and experience. We look at these events as 'planned emergencies' and conduct the operations as such.

Thanks to all who signed up to take part.

As of this date, the next scheduled special event communications will be the March of Dimes March for Babies on Saturday, September 11, 2010. I'm sure as time goes on the list will grow.

## **OUR MISSION IN SPECIAL EVENT COMMUNICATIONS.....**

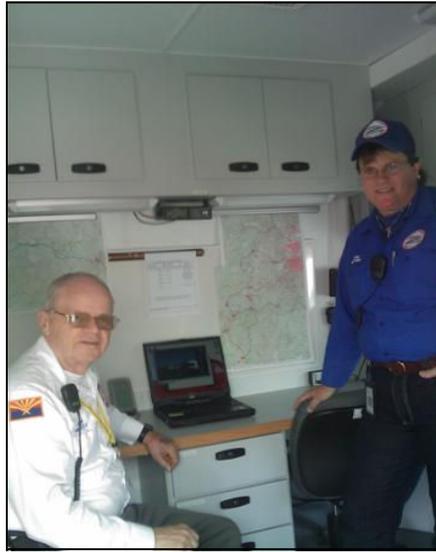
The amateur mission in public service events is accomplished by providing communications for officials responsible for the event and public safety. As amateurs, we are not responsible for that safety. We facilitate the mission of officials who are, and can help by providing communications in depth over the full geographical area of the event. Our mission is to communicate, not administrate, for the responsible officials. We are the telephone or FAX service between officials. Our job is to pass their information and emergency requests back and forth with speed and accuracy. ■

# Wildfire Expo April 17, 2010

Photos courtesy of Ken Severance, WA6AQK



Peter, W7PRG & Tim, KF7FOX



Lloyd, WA6ZZJ & Patti, KD7VBG



MARC Display



## VE Testing

By Mary Vince, AB7NK

### March 27, 2010 Testing Results

14 applicants resulted in:

- 5 Technicians
- 7 Upgrades to General
- 1 Upgrade to Extra

Congratulations to everyone!

I would like to personally thank the VEs who participated in the past two testing sessions that I was not able to attend, March 6<sup>th</sup> and March 27<sup>th</sup>. You all did a magnificent job and because of your expertise, you made the final paper work very easy to complete.

The dedication and support of the Prescott VE Team shows. "YOU" are the team – thank you!

Future testing's to be announced. Check our web-page, [www.w7yrc.org](http://www.w7yrc.org) under the VE Testing tab for more information.

If you have any questions, email Mary at [ab7nk@arrl.net](mailto:ab7nk@arrl.net).

## Upcoming Events

- **April 24, 2010** - Whiskey Off Road
- **May 1, 2010** - Whiskey Row Marathon
- **May 1, 2010** - Seventh Area QSO Party (7QP)
- **July 16 -18, 2010** - ARCA/Williams Hamfest/ ARRL State Convention

## Need a Hand?



If you need assistance, we want to help you. If you are just starting out in ham radio, or simply have run across something that you could use a hand with... technical assistance or answers to questions about the Yavapai Amateur Radio Club, are available from knowledgeable club members.

**Don't Hesitate to Ask for Help!!**

Call: **Neil Vince**, KA7JAS at: (928) 775-2158

**Jim Ball**, WB7UZV (928) 445-2997

**Will Taylor**, AD7WW (928) 445-1717

## ARIZONA WORKED ALL COUNTIES

Have you worked all 15 Arizona counties? You may already qualify for this award. Check your QSL cards and logs.

Email [az-wac@w7yrc.org](mailto:az-wac@w7yrc.org) for rules and an application.

## Need Cards Checked for ARRL Operating Awards?



Jim Zimmerman, N6KZ can check your QSL cards for DXCC, WAS, VUCC, WAC, etc.

For information contact Jim at:  
(928) 713-0542.

Jim's QTH is at: 778 Grapevine Lane,  
Prescott, AZ 86305.

## YARC Officers for 2010

### President

Pete Morrison, K6VVR  
[pm\\_service@earthlink.net](mailto:pm_service@earthlink.net)

### Vice President

Jim Ball, WB7UZV

### Secretary

George Imburgia  
[ad7rl@netsecs.us](mailto:ad7rl@netsecs.us)

### Treasurer

Mary Vince, AB7NK  
[ab7nk@ARRL.net](mailto:ab7nk@ARRL.net)

### Board of Directors (includes Club Officers)

Terry Pemberton -- KB7TRE

Will Taylor -- AD7WW

Richard Bozeat -- KE7DTR

Walter Schumann -- KF6SPS

**Newsletter Editor:** Joe Oliver, AC6AA

# The Wouff-Hong and Rettysnitch Legends

Reprinted from <http://rettysnitch.org> with permission from Rob L. Dey, KA2BEO

Amateur Radio's traditional and most sacred symbols

Two gruesome instruments of excruciating torture used to enforce law, order, and decency in Amateur Radio operation.,,



The Wouff-Hong and Rettysnitch Legends

By Rob L. Dey, KA2BEO<sup>1</sup> - September 1997

A wonderful article about these two legends was written by L.B. Cebik, W4RNL<sup>2</sup>, and appeared in September 1996 *QST*, on pages 59 and 60<sup>3</sup>. Cebik offered that "We should not be troubled by the size of the task at hand: Curing Amateur Radio of its illegalities and indecencies. We have many more folks available to wield the Wouff-Hong and the Rettysnitch. No, not on others, but on *ourselves* - to make sure that we set a model for how amateur operations ought to be conducted."

## The Wouff-Hong



The **Wouff-Hong** is used to enforce **law and order** in Amateur Radio operating work.

"The Old Man" (T.O.M.), originator of the Wouff-Hong and the Rettysnitch, is known to be the one and only Hiram Percy Maxim, W1AW, founder of the American Radio Relay League ([ARRL](http://www.arrl.org))<sup>4</sup> in 1914. T.O.M. wrote his first mention of a Wouff-Hong and a Rettysnitch in 1917. In 1919, the league received an actual Wouff-Hong specimen directly from T.O.M. The first photo of the Wouff-Hong was published in July 1919 *QST*.

# The Rettysnitch



The **Rettysnitch** is used to enforce **decency** in Amateur Radio operating work.

In 1921, the Washington DC Radio Club presented the Rettysnitch to the league's traffic manager. According to legend, the club received the Rettysnitch specimen from "The Old Man" himself. Cebik stated that "Even at its first public appearance, two of its teeth were missing, suggesting a long history of necessary and effective use. However, to this day, the Rettysnitch has lost no further teeth. It was ordered to be displayed by its mate." The Wouff-Hong and Rettysnitch stories were retold by Rufus P. Turner, when he wrote "Hamdom's Traditions: A Bedtime Story for Young Squirts" in May 1934 *QST*. According to Cebik, "In 1930, *The ARRL Handbook* had pictures of both instruments of enforcement. By 1936, only the Wouff-Hong appeared. By 1947 the *Handbook* had deleted both photos." An editorial on the Wouff-Hong (without the hyphen) appeared many years later in February 1961 *QST*. Presently, both of these legendary instruments are on display at the ARRL museum in Newington, CT.

Do the Wouff-Hong and Rettysnitch still hold their mystical power over us today?

L.B. Cebik, W4RNL, answered this question well, when he asked "Why were the Wouff-Hong and the Rettysnitch so powerful to those early hams? Because those hams cared about Amateur Radio in their hearts. They desired that which they knew they could never have: A perfectly law-abiding, decent radio service that would inspire young and old alike to become hams or, lacking the inclination to electronics, to become admirers of hams. Every minute of on-the-air time was a chance to show how noble a pursuit Amateur Radio was and should always be. They feared the Wouff-Hong and the Rettysnitch as instruments of their own consciences, as they strove to meet the standards they set for themselves. And that is where you will find the Wouff-Hong and the Rettysnitch today - deep in your own conscience. If they seem to hold no power, then you know it's time once more to elevate your standards a notch higher, and then to strive to achieve them perfectly." He added, "May you never deserve their sting." ■

<sup>1</sup>Rob L. Dey, KA2BEO, P.O. Box 1849, Point Pleasant, NJ 08742-1849, e-mail: [rdey@natradioco.com](mailto:rdey@natradioco.com).

<sup>2</sup>L.B. Cebik, W4RNL, 1434 High Mesa Dr., Knoxville, TN 37938-4443, e-mail: [cebik@utk.edu](mailto:cebik@utk.edu).

<sup>3</sup>This article originally appeared in the *New England QRP Newsletter*, edited by Dennis Marandos, K1LGQ.

<sup>4</sup>The American Radio Relay League, 225 Main St., Newington, CT 06111-1494, e-mail: [hq@arrl.org](mailto:hq@arrl.org).

## *Jokes from Washington Newsletter Archives*

While driving in Pennsylvania, a family caught up to an Amish carriage. The owner of the carriage obviously had a sense of humor, because attached to the back of the carriage was a hand-printed sign which read ... "Energy efficient vehicle: Runs on oats and grass. Caution: Do not step in exhaust."

### **Is This Your Kid?**

A Sunday school teacher said to her children, "We have been learning how powerful kings and queens were in Bible times. But, there is a higher power. Can anybody tell me what it is?"

One child blurted out, "Aces!"

## HAM RADIO! GOOD OPERATING PRACTICES AND PROCEDURES FOR THE HAM BANDS

*Reprinted with permission from Tim, AJ4D*

As I fade from the VHF/UHF bands back to HF, I hope I can share some of the things that really might help other operators become better operators.

I am not the best in the world. I make mistakes on HF that most new hams would not make. Even on VHF, I sometimes "get in a big way of talking" and forget to ID on time. But, below are some of the things that might help everyone out somewhere down the line, QSL ? ( just had to throw that in there to show how stupid it looked ).

I really believe that the reason a lot of the new hams don't operate as much as they could is that they simply cannot figure out what the heck is being said!! It makes them afraid to talk.

The other thing is that some operators on repeaters have their own little "group" and that little group is the only one they will respond to or talk to. I hear so many new callsigns being correctly " thrown out' on repeater frequencies and no one goes back. I try to jump in and talk to them if no one goes back to them by the second try. It makes them feel left out, looked down upon , and more like giving up on the HOBBY than anything else when they hear people talk for 30 minutes and then when they get the courage to key up, no one comes back! What happened to being courteous! I truly believe that is the reason there is not that much traffic on repeaters now. Why should 2,000 operators in East Tennessee keep trying over and over for days to get someone to talk to them or sit there and listen to a bunch of garbage that they have never heard of? Remember guys and gals.....you're the "Elmers" and teachers of the newer hams!

Get on there and tell the new ham, "**Good to hear you - just get on here, and if you talk on it like a telephone in plain English and ID every 10 minutes with the repeater ID timer, and sign off by saying your ID , you will learn a lot from the people on here and will be made to feel welcome"**

The last paragraph above in bold text sums up how to talk on a repeater in one sentence. This is what I was told on the 147.255 when I tried to pick up some of the bad habits and lingo that some of the idiots were using at the time. It only takes one time to tell a new ham the one paragraph above

that will make them sound and feel much better on any and all repeaters.

### Procedures on radio:

It is stressed that emergency traffic always has priority. If it ain't there, don't ask for it on a net or any other time! On so many nets, on so many repeaters, AND EVEN ON HF, when they start up the net; they usually say "is there any emergency traffic?"..... sort of like asking, "Is there anybody out there that has quit breathing, or someone next to you having a heart attack, or someone in front of you in traffic that has had a wreck and is entrapped in the vehicle? IF SOMEONE HAD EMERGENCY TRAFFIC, THEY SHOULD NOT SIT AND HOLD IT FOR A NET TO START SOMEWHERE!!! EMERGENCY TRAFFIC SHOULD BE PASSED IMMEDIATELY.....it's an EMERGENCY!!!!!!

SIMPLY STATE IN YOUR PREAMBLES THAT ANYONE THAT HAS EMERGENCY TRAFFIC SHOULD USE PROPER PROCEDURE AND BREAK INTO THE NET AT ANY TIME... don't ask for EMERGENCY TRAFFIC!

Seventy threes, seventy thirds, eighty eights.... BELIEVE IT OR NOT , THESE TERMS DO NOT EXIST on voice !

A little history here; CW operators in the early, early days of radio came up with the number code of 73 for "best regards" because of the fame of the 73 Winchester rifle. The 73 Winchester was the best rifle of the time and the CW guys just took it as "seven three " SEPARATE NUMBERS WHICH ARE A 7 and a 3, in CW --. . . . . Anyone experienced in CW who listens on FM repeaters are likely to tell the operators on there saying seventy three's, that they may as well be using French to sign with, which leads me to the next one that really gripes repeater owners and control operators who have experience on HF.....

### Q- signals. . . . .

THEY HAVE NO PLACE ON FM PHONE ON A REPEATER, AND AS FAR AS THAT GOES, THEY HAVE NO PLACE ON FM AT ALL!! Again, they are created for, and from, CW and SSB traffic nets ; Q signals were developed for ease of operation on CW and SSB traffic nets. If you ever do CW, you will find that sending QTH for " my location " is much shorter.

Speaking in voice, especially on FM using Q signals, would make me ask," WHY DO YOU HAVE TO USE "Q"

SIGNALS ??? Because it sounds "cool"? Why would you say, "What is your QTH, you have a lot of QRN, QUA Jim lately? QSL?" All the tech licensees are sitting there saying "what the heck is he talking about?" Or why would you say "Hi, Hi" on voice (CW . . . . . = H I H I for humor intended) ??? Oh, by the way, coded transmissions ARE NOT ALLOWED ON VOICE per Part 97... hmmm!

Here is "q t h" in CW compared to "my location": --. - - . . . . compared to --. --. --. --. --. --. --. --. Here is 73 compared to best regards: --. . . . -- compared to -... . . . - . - . - . - . - . - . . . . That should explain it! Even if you don't know CW, you can see the difference in how many dots and dashes are used in each term!

Many control operators don't say anything at all about users, because there are not that many users anymore and they are afraid they will 'run someone off'. Did they ever think that maybe that is the reason there are not that many people on repeaters, due to listening to all the LID's using CW lingo on voice?

It is better to have a few "good operators" than 70 bad ones, like on some repeaters in the larger cities.

There are courteous ways to mention these things to newer operators "on the air". Here is one of them, "Hey, you don't have to say all that Q stuff because you are on FM phone, just use it just like you're on a telephone, (remember kids are listening)..... PLAIN ENGLISH! All you are required to do is be courteous and say your call-sign every ten minutes as the repeater ID's, and use it when you sign off.... and don't say seventy threes or seventy thirds..... simply say your call and bye, see ya later, etc...." Again PLAIN ENGLISH!

Another one heard on most repeaters "Man, what did you do, you are loud on me, looks like you are putting a 9' on me!" NO.... Both stations through the repeater are hearing the repeater, not each other directly. THERE IS NO WAY TO TELL A STATION WHAT THEY ARE "PUTTING ON A REPEATER" as far as signal strength. They may be able to tell the other station that "white noise", (static), is heard on their signal or that they are "picket fencing", (clipping in and out), but without being at the repeater receiver with an S-meter hooked to the repeater receiver you cannot tell what signal strength the repeater is receiving.

### Listening... Monitoring.... or calling " CQ" CQ-. -. --. -

Again, when using CW, "CQ" is a lot shorter than "calling any station". ON FM, SIMPLY KEY UP AND SAY YOUR CALLSIGN OR ASK IS ANYONE ON THIS REPEATER. Make sure you don't "double", (talk at the same time), in any circumstances or band!!

### HF SSB:

SSB = sideband, LSB/USB

LSB = lower sideband (used on 40m through 160m.)

USB= upper sideband (used on 20m,17m, 15m, 12m, 10m and also on 6m, 2m, and 440 band.)

When making a call, be sure to listen for a few minutes, which is a good rule to use on any frequency or band! Just because you cannot hear anyone for a minute on HF does not mean that someone else is not listening to a reply from a distant station that they can hear and you cannot. This happens all the time. Someone will tell a friend to move to "so and so frequency" and they go there and just start talking.... well, Ol' Jim in Kentucky may be sitting there listening to Ol' John in California giving a parts list out for an amplifier and Ol' Jim may be using a directional antenna pointed west while your antenna is going north and south. You can't hear John, and Jim is listening to John. If you say your call, Jim should politely tell you "standby". Chances are he will either remember your call or jot it down so he can return your call when he gets the chance.

On FM repeaters though, listen,..... then just "drop in your callsign" ..... Chances are no one will come back, but don't give up. Maybe all the "QSL'ers" will someday learn to send CW and learn they had been using the wrong operating procedures, and come back and talk to you like a normal person on the repeater.

### Last but not least--

ZED is NOT listed as a phonetic for the letter "Z". ZULU is the correct phonetic. This may not matter much to some on FM, but in an emergency on simplex or any HF voice mode, PHONETICS ARE IMPORTANT AND THEY WERE CREATED SO THAT ALL STATIONS WOULD HAVE A STANDARD TO GO BY WHEN PASSING TRAFFIC IN BAD CONDITIONS. 'Zed' may be picked out of the noise incorrectly as "head" and a broken leg may be transmitted as a "head" injury due to the station misinterpreting ZED' .... Give us a break people! QSL????? .....We copied Tim! Thanks!.....N4UJW ■

## Weekly Breakfasts



### Tues. Morning Breakfast:

**7:00 a.m. at**  
**Back Burner Cafe**  
 8400 E. Long Mesa Drive  
 & N. Robert Road  
*Informal – all are invited.*

### Wed. Morning Breakfasts:

**7:00 a.m. at**  
**Iron Horse Restaurant**  
 (Hwy 89 in Chino Valley)  
 (N 34°43'56.5" W112°27'15.4")\*  
*informal – all are invited*

**8:00 a.m.**  
**Masonic Lodge**  
 (1280 Willow Creek Road,  
 2<sup>nd</sup> Floor; above Bank of America)  
*informal – all are invited*

\* Location data (per WGS84) provided  
 by Fred Zimmermann, N7PJN

## Area Repeaters

Fre- quency	PL	Location	Owner/Club	Auto- Patch	Rem. BaseOr Linked	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			IRLP	Node 3301
145.290-	127.3	Mingus Mtn.	ARES/RACES				
146.780-	91.5	Williams Mtn.	BWARC			IRLP	
146.880-	100.0	Prescott	YARC				
146.980-	162.2	Flagstaff	CARC				
147.000+	162.2	Mingus Mtn	MMRG				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord -		Mt. Ord=147.36
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
224.080-	156.7	Mt. Union	WA7JC				
442.150+	100.0	Mingus Mtn	W1OQ/Northlink				
442.350+	100.0	Glassford Hill	N7KPU			IRLP	
448.475-	100.0	Flagstaff-Elden	ARA	Yes			
448.875-	100.0	Flagstaff-Elden	Northlink		Linked		
449.175-	100.0	Towers Mountain	Northlink		Linked		
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		P mtn=927.3875
449.725	110.9	Mingus Mtn	WA7JC				
927.0875-	151.4	Mingus Mtn	WB7BYV				
927.3875-	151.4	Prescott	WB7BYV	Yes	Yes	Echo	Be Nice

**Y.A.R.C. IRLP NODE**  
**Node Number 3182**  
**442.350+ MHz with a**  
**PL Tone of 100.0 Hz**

For more Repeater Information & Listings refer to:

- [www.w7ara.org/Web/](http://www.w7ara.org/Web/)
- [www.azrepeaters.net](http://www.azrepeaters.net)
- [www.azfreqcoord.org/listings.htm](http://www.azfreqcoord.org/listings.htm)

## YAVAPAI AMATEUR RADIO CLUB

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PRESCOTT, AZ 86304

Visit us on the web at <http://www.w7yrc.org>

Many thanks to Pete Morrison, K6VVR, our Webmaster

