

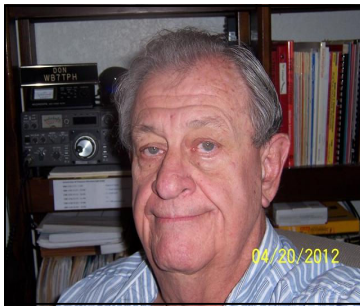


# YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 28- No. 4 • April 2013

## A Message from the President...



Well, here we are in the middle of March writing this article for the April Signal. Time marches on. I really hope that most of you are enjoying the time between club meetings by exercising that mike button or key; we are hams after all. Enjoying our personal radio stations is one of the major reasons we became hams.

One of the primary reasons our club exists, however, is to reach out to our community. Without community action, we cease to exist because we attract few or no new members. We have a wonderful, dedicated group who enjoy public service through ARES/RACES and through event communications. Thank you, Lloyd WA6ZZJ, for coordinating these activities.

At the start of my term as club president, I changed the position of "Greeter" to "Ambassador". We should all be ambassadors of ham radio! But, in a little more formal way, I asked a few members to serve as spokespersons for the club and the ham community at large. Terry KB7TRE, of course, is a nearly full time ambassador of ham radio, with the school club and his outreaches to Sharlot Hall Museum and the NRA program out at Gunsight. A positive exposure to the general public is extremely important to our future. Elsewhere in this issue, I hope that Joe can find space for the description of a "YARC Ambassador". Perhaps a few more of you will join the team. When we have the opportunity, let's get out there and talk up ham radio and YARC. When folks are even a little interested, invite them to a meeting; tell them we have training classes and we sponsor the license testing. YARC is a full service club.

In keeping with this theme, Dave N7BJ contacted me the other day, about an outreach idea he had. I will let him tell you about it, but I heartily endorse the idea and encourage the club members to get behind it. Hopefully, Dave will have had

a chance to put his plan down in writing for this issue.

For now, please get on the air, be safe, promote your hobby and YARC, and we will see you at the April club meeting, on the 4<sup>th</sup>.

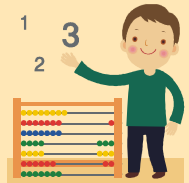
73... Don Bauer, WB7TPH

## April Program

Lee, K0CCU and Tom, KE7QK from the Amateur Television Network will speak on the subject of amateur television in Arizona. They will have a PowerPoint presentation. Anybody want to start an ATV group in YARC?

### Membership Count:

1st Thurs. in February.....	189
Gain/Loss.....	0
1st Thurs. in March.....	189



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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, (SK) for allowing us to acquire the original club repeater. ■



## **Minutes of March 7, 2013 Board Meeting at Granite Mountain Middle School, Prescott, Arizona**

Present: WB7TPH, KE7NAP, W7BJ, AE7CG, KD6VRW

The meeting was called to order by WB7TPH at 1806 MST.

### Agenda:

1. Approval of February 7, 2013 Board Meeting Minutes: KE7NAP made a motion to approve. W7BJ seconded the motion. The board voted to approve.
2. Scheduling of General Meeting Programs, 2013: March: WN7L, "Solar Home and Shack Power"; April: "Amateur Television"; May: N7CW, "Voodoo DX Group"; June: "OSCAR Satellites"; July: "Build Night"; August: WA6ZZJ, "Event Communications"; September: W7JLC, "Balloon Launches; October, November, December: To Be Determined.

3. Expenses:

- a. KD5VRW reported a projected expense of \$100.00 or less to pay for costs related to VEC activities. W7BJ cited the need for expense receipts. KE7NAP made a motion to approve the projected expense. W7BJ seconded the motion. The board voted to approve the expense.

- b. W7BJ reported an annual expense of \$83.40 to pay for annual website hosting. KD5VRW made a motion to approve the expense. KE7NAP seconded the motion. The board voted to approve the expense.

4. Club Equipment Inventory: K6VVR and W7BJ are leading the effort. There was no new news to report. KD5VRW asked if books and manuals should be included in the inventory. The board agreed that such material should be considered club property and included in the inventory. A message was received from AB7NK about an old club repeater in her joint possession with K7SEN. AB7NK and K7SEN envision a QTH move to the Cordes Junction area, and wish to return the repeater to the club.

5. Retention of Club Records: W7BJ mentioned an abundance of old club written records currently in his possession and the challenges of storing such records. What records should the club retain (e.g., historical, financial, etc.)? Mention was made of the conventional practice of retaining financial records for 3 to 5 years. Could it be possible to store such records in Room 404 at Granite Mountain Middle School?

6. Master Events Calendar: WN7E has posted a master events calendar on the club website. It works well. The club thanks WN7E for his special effort in developing the calendar.

7. Removal of Non-club Commercial Links from Club Website: KD5VRW broached the subjects of removal, conflict of interest, and potentials for liability and litigation. He made a motion for the club to

remove non-club links. KE7NAP seconded the motion. The board voted to remove commercial links, and to send the issue to the general meeting for discussion and voting.

8. Support of Local Food Banks: Should the club by-laws be amended to expand the club's role in supporting local food banks? There was no final decision regarding this question.
9. Field Day 2013: WB7TPH reported only receiving comments from 4 club members regarding Field Day 2013. Should YARC participate jointly with VVARA? The issue was sent to the general meeting for discussion and voting.
10. Adjournment: KE7NAP made a motion to adjourn. KD5VRW seconded the motion. The board voted to adjourn. The meeting was adjourned by WB7TPH at 1848 MST.

Respectfully submitted by

Loren Singh — AE7CG

YARC Secretary

### ***Minutes of March 7, 2013 General Meeting at Granite Mountain Middle School, Prescott, Arizona***

The meeting was called to order by WB7TPH at 1900 MST, and the Pledge of Allegiance was recited by all present. The board of directors did self introductions. Visitors were welcomed.

Members were directed to the March 2013 issue of the Yavapai Signal for minutes of the February 7, 2013 general meeting and the latest treasurer's report.

New Members: Joan Tremper (AB7KE), Lee Harned (KG7BGT), and Rich Taylor (KG7BGW) submitted applications for membership. WB9VGJ made a motion that all these applications for membership be approved. K7POF seconded the motion. All the applicants were unanimously approved by acclamation.

#### Old Business:

##### Committee Reports:

1. Event Communications: WA6ZZJ reported about the Sedona Marathon held on February 4, 2013. There

were 22 radio operators who participated from YARC (W7YRC) and VVARA (W7EI). WA6ZZJ also mentioned upcoming public service operating events and asked for volunteers (sign-ups):

- a. March 29, 2013: ARES/RACES Wildfire Exercise
- b. April 26-28, 2013: Whiskey Off-Road Bicycle Event
- c. May 4, 2013: Whiskey Row Marathon
- d. May 18-19, 2013: MS-150 Ride the Vortex Bicycle Event, Verde Valley

KD7VBG presented to the club a "Community Service Award" plaque received from the Groom Creek Fire Department (GCFD) in appreciation of YARC's support for the Groom Creek Classic Run — a GCFD fund-raising event.

2. Club Shirts: K6VVR reported a 6-7 day delay in delivery of previously ordered shirts. He mentioned the vendor's family affairs as causing the delay. He was hopeful that the shirts will be received in time for delivery to club members by the time of next month's general meeting.
3. Club Repeater: K6VVR will check on the antennas and other equipment when warmer weather permits.
4. Elmers: N7CW was absent, so there was no news to report.
5. Statehood Day and K7GMG: KB7TRE reported that the February 14, 2013 operation of K7GMG from the grounds of the Sharlot Hall Museum was a great success. He thanked YARC members K6VVR and K7CBK for their participation and support.
6. Tim's Toyota Center, April 4, 2013: KB7TRE reported that K7GMG will be operating at Tim's in Prescott Valley as part of a Yavapai County public schools event. The Granite Mountain Middle School Radio Club portable station will be operating from 1630-1930 MST. He asked for YARC QSOs from the K7GMG base location at the school in Prescott.
7. Fox Hunt, March 10, 2013: K6VVR reported that the next event is planned for March 10. Participants will meet in the parking lot of the Arizona State Credit Union on Gale Gardner Way and Willow Creek Road at 1300 MST. The event will last until 1500 MST. Afterward there will be a debriefing

session at a nearby restaurant or coffee shop. K6VVR thanked WB9VGJ for his continuing efforts in reporting about the fox hunts in the Yavapai Signal.

8. VEC Test Session, February 9, 2013: WB9VGJ reported that 8 new Technicians and 1 new General passed their tests. One candidate upgraded to Extra by passing the test.
9. Next Technician Class, April 27, 2013: KD5VRW announced the next Technician class to be held from 0800-1700 MST and his need for instructors.
10. VEC Test Session, May 3, 2013 (Friday): WB9VGJ announced the next session at the Jeep Posse Building in Prescott. No walk-ins will be accepted. Candidates should go the the club website and pre-register. They should get FRN numbers from the FCC website.
11. E-mail List: WB7TPH emphasized that all members should be on the YARC e-mail list..
12. Field Day 2013: WB7TPH asked what the club wanted to do this year. Several members were in favor of repeating what the club did in 2012 in holding a picnic and radio operating event at Granite Mountain Middle School. KF7ING made a motion to support such an event, and WB9VGJ seconded the motion. The club voted in favor of the motion.
13. Club Calendar on Website: Thanks to WN7E for developing and posting the club calendar.
14. Club Inventory of Equipment: WB7TPH asked that any member having club equipment or books to contact K6VVR or W7BJ.

#### New Business:

1. Removal of Commercial Links from Club Website: YARC is a non-profit organization. Will the presence of links on the club website to commercial for-profit enterprises make the club vulnerable to litigation? WB7TPH and KD5VRW initiated the discussion. KF7ING, WB9VGJ, KE7NAP, and WB6ODR voiced their ideas and suggestions. WB9VGJ suggested that the club contact a lawyer. WB6ODR suggested contacting the ARRL Legal Department for advice. KE7NAP recounted the unfortunate experiences of a radio club in Long Island, New York.

KF7ING made a motion for deletion of such links, and WB9VGJ seconded the motion in order to promote discussion. WB9VGJ made a motion to table KF7ING's original motion, and WB9VGJ's motion to table was seconded by WB6ODR. The general meeting voted to support the motion to table.

2. Adjournment: WB7TPH adjourned the general meeting at 1955 MST.

50-50 Drawing: KG7BGT drew the winning ticket 394664. KE7NAP was the lucky winner of \$46.50. Due to the generosity of KI7JZ, a second prize of a five-pound can ham and colorful Easter eggs was also awarded. WN7L drew the winning ticket 394741. AI1K was the lucky winner.

Program and Speaker: Dave Drown, WN7L, "Solar Home and Shack Power"

1. Photovoltaic Theory: How solar cells work.
2. Solar Home Power
3. Components of a Home Voltaic System
4. Home radio station equipment and power sources (solar panels, batteries, etc.)

Respectfully submitted by

Loren Singh — AE7CG

YARC Secretary

### **YARC Officers for 2013**

#### **President**

Don Bauer, WB7TPH  
president@w7yrc.org

#### **Vice President**

Ellis Rackoff, KE7NAP  
vice.president@w7yrc.org

#### **Secretary**

Loren Singh, AE7CG  
secretary@w7yrc.org

#### **Treasurer**

David Hanson, W7BJ  
treasurer@w7yrc.org

#### **Board of Directors (includes Club Officers)**

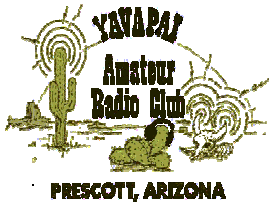
Creighton Grotbeck -- AD7YR

Ralph Gendron -- W7HAM

Bob Rosevear -- WB7RRQ

Roger Nash -- KD5VRW

**Newsletter Editor:** Joe Oliver, AC6AA



Yavapai Amateur Radio Club  
 PO Box 11994  
 Prescott, AZ 86304-1994

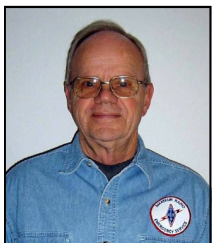
**TREASURER'S  
 REPORT  
 February 2013**

			<b>General Fund</b>	<b>Repeater Fund</b>
<b>BEGINNING CASH BALANCE - January 31, 2013</b>			<b>7,110.67</b>	<b>1,873.20</b>
Dues - Kenneth K Kelly	W7KKK	new	18.00	2.00
Dues - John A Szelka	AI7K	new	18.00	2.00
Dues – Douglas H Meyer	KF7YZJ	new	18.00	2.00
Dues – Anthony “Mike' Scibilia	x	new	18.00	2.00
Dues – Jim Zimmerman	N6KZ	new	18.00	2.00
Dues – Gary Shapiro	WD8DOT		18.00	2.00
Dues – Erika Schiltneck	KI7JZ		18.00	2.00
Dues – Ray Tyrrell	N6MY		18.00	2.00
Dues – Richard Diddams	W7QHE		18.00	2.00
Dues - Norman Delucchi	K7NPD		18.00	2.00
Decal - ?			1.00	
Decal – Bob Rosevear	WB7RRQ		1.00	
Patch & 2 Decals – Craig Winget	KE7TDQ		5.00	
50/50 Raffle			80.00	
50/50 Raffle – Diane Dutkevitch			(40.00)	
Miscellaneous			0.05	
Interest Income				0.13
<b>TOTAL INCOME</b>			<b>227.05</b>	<b>20.13</b>
David Passell – Cookies	1151		12.48	
Terry Pemberton – Sign Materials	1152		25.84	
Allegra Print – 20 Newsletters	1153		19.98	
Erica Simpson - Officer Tags	1154		32.00	
<b>TOTAL EXPENSES</b>			<b>90.30</b>	<b>0.00</b>
<b>ENDING CASH BALANCE - February 28, 2013</b>			<b>7,247.42</b>	<b>1,893.33</b>

Signature: \_\_\_\_\_  
 David B Hanson, W7BJ, Treasurer

Date:  
 3/1/2013

## YARC EVENT COMMUNICATIONS...



By Lloyd, WA6ZZJ

### Voice Operations

Voice operation is one of the primary modes used in emergency and event communications. It is the most efficient way to handle the basic short messages used in all types of nets. There are many ways to enhance voice operations and improve both the accuracy and efficiency.

A directed, formal net is the most efficient and accurate method for managing any type of traffic net. The Net Control Station (NCS) will manage the traffic flow and all other types of contacts on the net. Formal operations include the use of the phonetic alphabet, the correct pronunciation of figures, use of procedure words and correct priority of traffic.

Knowledge of the phonetic alphabet and proper pronunciation of figures (numbers) will help during poor conditions and spelling unusual words (medical terms etc...) and with addresses or map coordinates. Understanding the use of procedure words (pro words) will also help improve the quality of traffic handling by helping provide a clear understanding of what is being said.

Call signs are needed to be able to tell who is who. Tactical call signs are basically used in emergency and event communications to do just that. As hams we are required to give our amateur call signs at the end of every contact. Do not over do it. Too many call signs will just prolong the contact and probably waste valuable air time on a busy net.

When a station needs to contact another station in order to pass traffic, first he must contact the NCS and ask permission to do so. To contact net control all one needs to do in a directed net is give his/her tactical call. Net control is the only station you should be calling so doing this will be sufficient. See example below:

**\*\*Water 2: Water Two**

**\*\*Control: Water Two**

**\*\*Water 2: The lead Marathon runner just passed this**

**point.**

**\*\*Control: I copy. W7YRC**

**\*\*Water 2: K7???**

**The easiest way to be sure you fulfill FCC station identification requirements during a net is to give your FCC call sign as you complete each exchange. Most exchanges will be far shorter than ten minutes. This serves two important functions:**

- 1) It tells the NCS that you consider the exchange complete (and saves time and extra words)**
- 2) It fulfills all FCC identification requirements.**

**An easy way to remember is to establish contact using your tactical call and end the contact with your FCC call....**

**The YARC Event Communications schedule so far for 2013 is:**

### **April 26 - 27 - 28, 2013 The Whiskey Off Road Mountain Bike Event**

This will be the third year for this being a three day event. Last year we used 18 operators on Friday and 25 each day Saturday and Sunday. Signups are under way and they will continue at the April YARC meeting. **This being the next event on the calendar, planning is now underway for the three day operational period. If you haven't already signed up, please plan to do so as soon as you can. Check your calendars and get your name on the list. You don't have to sign up for all three days (if you can it will be great). Pick a day you are available to operate and let me know. So far, a few more operators could be used on Friday and Sunday. If you want to sign on and haven't worked event communications before you will be assigned with a 'veteran' communicator for the first time or two.**

### **May 4, 2013 The Whiskey Row Marathon**

One week later will be YARC's long standing participation in the Whiskey Row Marathon in support of the Prescott YMCA. For this event we typically use 18 to 20 operators. There again, some signups are already in and will continue at the April YARC meeting. **Only a couple of more operators are needed here....**

**May 18 - 19, 2013      The MS-150 Ride the Vortex  
Bicycle Event in the Verde Valley**

This event is currently in the very early planning stages and signups will begin shortly. Being a two day event we will once again need 23 to 25 operators per day. This is another event that will be coordinated with the VVARA. **Signups for this event will begin with the April YARC meeting.**

**Once again, check your calendars and signup. Event communications can be a rewarding and fun experience while at the same time supporting your club and giving back to your community.**

**September 7, 2013      The March of Dimes March for  
Babies**

This is another long standing event for YARC's communications. We will not be taking commitments for some time on this event, but do put it on your calendar...

**To sign up for the above events, email me direct at: [wa6zzj@arrl.net](mailto:wa6zzj@arrl.net) ■**

**New ARRL Section Manager**

As of April 1, 2013, Robert Spencer, KE8DM, of Yuma, will take over from ARRL Arizona Section Manager Tom Fagan, K7DF, of Tucson, who has been in office since 2005.



## New YARC Calendar

By Tom, WN7E

We now have an events calendar on the website. It is still in the development stage so changes are likely. Please send any information or items to list to: [calendar@w7yrc.org](mailto:calendar@w7yrc.org)

Eventually there also will be listings for VEC test sessions as well as any classes for upgrading, etc. Also area hamfests will be listed as I learn of them.

Look for the Calendar tab on the left side of the YARC website. ■

## NON-ELECTED POSITIONS IN YARC YARC AMBASSADORS (formerly Greeter)

Incoming President, Donald Bauer, WB7TPH has chosen to expand the function of the "Greeter" position, to incorporate the current functions and to serve as the "Outreach" of the club. Amateur Radio, despite warnings to the contrary, is in an expanding phase. YARC is in the position to actively promote amateur radio to schools, libraries, social organizations, talk radio, etc.

The YARC Ambassadors should be good speakers, outgoing and fairly knowledgeable of ham radio. At club meetings, the ambassador will serve in the traditional "Greeter" position. During events such as ARRL Field Day, and Statehood Day, the ambassador serves to make sure that visitors have a positive experience, and are offered a membership application, if interested.

Ambassadors should seek out opportunities to "talk ham radio" in any appropriate venues, such as schools, social clubs, etc. ■

Initiated: January 2013

## *Upcoming Events*

- **April 19 -20, 2013** - International DX Convention.
- **April 27, 2013** - Technician License Class.
- **April 26, 27 & 28** - The Whiskey Off Road Mountain Bike Event.
- **May 3, 2013** - VE Test Session.
- **May 4, 2013** - Whiskey Row Marathon.
- **May 18 - 19** - The MS-150 Ride the Vortex Bicycle Event in the Verde Valley.

## Technician License Class

By Roger Nash, KD5VRW

The next Technician Amateur Radio License class in Prescott is scheduled for Saturday April 27, 2013 from 8am to 5pm at the Jeep Posse building, in the Pioneer Park Complex, located at 1200 Commerce Drive, Prescott, Arizona 86305.

This class is presented without charge by the Yavapai Amateur Radio Club as a service to the Amateur Radio community

Students will need to obtain and bring a copy of the ARRL Ham Radio License Manual Revised 2nd Edition to class.

To register for this class, or to receive notification of future classes, please send your request to [classes@w7yrc.org](mailto:classes@w7yrc.org)

Thanks.

## 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:**

**Bud Semon, N7CW at: (928) 771- 8267**  
or

**Jim Zimmerman, N6KZ at (928) 713- 0542**

## Club contacts - At a Glance

President - WB7TPH	<a href="mailto:president@w7yrc.org">president@w7yrc.org</a>
Vice President - KE7NAP	<a href="mailto:vice.president@w7yrc.org">vice.president@w7yrc.org</a>
Secretary - AE7CG	<a href="mailto:secretary@w7yrc.org">secretary@w7yrc.org</a>
Treasurer - W7BJ	<a href="mailto:treasurer@w7yrc.org">treasurer@w7yrc.org</a>
Board Member - AD7YR	<a href="mailto:cgrobeck@gmail.com">cgrobeck@gmail.com</a>
Board Member - W7HAM	<a href="mailto:smokey7@cableone.net">smokey7@cableone.net</a>
Board Member - WB7RRQ	<a href="mailto:rosevear520@cableone.net">rosevear520@cableone.net</a>
Board Member - KD5VRW	<a href="mailto:rnpublic@sbcglobal.net">rnpublic@sbcglobal.net</a>
Arizona WAC Administrator	<a href="mailto:az.wac@w7yrc.org">az.wac@w7yrc.org</a>
Ask Elmer for Help	<a href="mailto:ask.elmer@w7yrc.org">ask.elmer@w7yrc.org</a>
Badges	<a href="mailto:badges@w7yrc.org">badges@w7yrc.org</a>
Field Day Chairman	<a href="mailto:field.day@w7yrc.org">field.day@w7yrc.org</a>
Fox Hunts	<a href="mailto:fox.hunt@w7yrc.org">fox.hunt@w7yrc.org</a>
License Classes	<a href="mailto:classes@w7yrc.org">classes@w7yrc.org</a>
Mail List	<a href="mailto:yarc_mail@w7yrc.org">yarc_mail@w7yrc.org</a>
Membership Application	<a href="mailto:membership@w7yrc.org">membership@w7yrc.org</a>
Net Manager	<a href="mailto:net.manager@w7yrc.org">net.manager@w7yrc.org</a>
Newsletter Editor	<a href="mailto:newsletter@w7yrc.org">newsletter@w7yrc.org</a>
Program Inputs	<a href="mailto:programs@w7yrc.org">programs@w7yrc.org</a>
Public Information Officer	<a href="mailto:pio@w7yrc.org">pio@w7yrc.org</a>
Public Service - DEC	<a href="mailto:public.service@w7yrc.org">public.service@w7yrc.org</a>
Repeater Trustee	<a href="mailto:repeater@w7yrc.org">repeater@w7yrc.org</a>
Special Events	<a href="mailto:special.event@w7yrc.org">special.event@w7yrc.org</a>
VE Test Liaison	<a href="mailto:testing@w7yrc.org">testing@w7yrc.org</a>
YARC Party Coordinator	<a href="mailto:yarc.party@w7yrc.org">yarc.party@w7yrc.org</a>
Information	<a href="mailto:info@w7yrc.org">info@w7yrc.org</a>
Webmaster	<a href="mailto:yarc@w7yrc.org">yarc@w7yrc.org</a>
Webmaster	<a href="mailto:w7yrc@w7yrc.org">w7yrc@w7yrc.org</a>
Webmaster	<a href="mailto:webmaster@w7yrc.org">webmaster@w7yrc.org</a>

## VE Testing

By Don Bauer, WB7TPH



There will be a Technician class at 8:00 AM on Saturday, April 27<sup>th</sup> at the Jeep Posse Building, to prepare for the upcoming License Test, scheduled for Friday evening, May 3, at 6:00 PM. Both class and test session are at the Jeep Posse Building, in Pioneer Park, off of Commerce Drive, behind the outdoor hockey rink. ■

## 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.

## March 2013 Foxhunt

By John Broughton, WB9VGJ



The monthly foxhunt was held March 10. Diane, KE7ODP, and Pete, K6VVR, hid the transmitters. They “hid” the primary transmitter on the front steps of Jim’s, WB7UZV, doorstep. If only Jim had known, he could have saved time hunting. The secondary transmitter was hidden in a small park on Gurley Street about a block away,

We had a good turnout of teams:

1. Bryan, W7BNW, and Dave, W7BJ.
2. Linda, KD7EEO, and Bob, WB76ODR.
3. Jim, WB7UZV.
4. Jeff, WB7FRY, and I.

It was a very good hunt with all hunters being successful. The weather was very nice, much more so than for last month’s hunt. Thanks to all the hunters who participated!!

It would seem that the primary transmitter, in a plastic bag, would have been obvious on Jim’s front steps. However, the hunters spent time hunting for it around the front and sides of his house. Having hooked it up to Jim’s 2M beam above his house helped confuse the hunters, as they tended to focus on their meters, which led them to the side of the house. As a result, they didn’t pay particular attention to the plastic bag on his front step.

KD7EEO and WB6ODR were first to find the primary transmitter, barely beating out W7BNW and W7BJ. All hunters were on the scene hunting at the same time and all found the primary transmitter in a short period of time. Unfortunately, the paper Diane gave me with the specific times didn’t survive its cycle in the washing machine; I could have sworn I had taken it out of my pocket. ☹

The hunt for the secondary transmitter was challenging. As you can see in the pictures at the link below, it was very well hidden in a low-growing evergreen in the park. It was inside a well-abused plastic cup and leaves had been placed on top of it, all under the evergreen foliage. The hunters spent a bit of time all around it, knowing they were very close to it, before it was discovered.

Congratulations to Linda and Bob! We are looking forward to a challenge in the April hunt, as Linda told us that, with their experience in geocaching, they know some good hiding places in Prescott.

We would encourage more folks to get involved in the hidden transmitter hunts. They are really fun and help develop direction-finding skills.

My pictures of the hunt can be seen at:

<http://imageshack.us/g/1/10056091/>

73,

John, WB9VGJ

**IDXC**  
**64th International DX Convention**  
**April 19-21 Visalia, California**



The 64th Annual International DX Convention sponsored by the Northern California DX Club will be held at the Visalia Conference Center in downtown Visalia, California from April 19-21, 2013.

If you’re a DXer or interested in any aspect of Ham radio, then IDXC is the place to be. Top DX operators from around the world will be there. You’ll match those familiar callsigns with new faces, and shake hands with the person you have had a schedule with for the past 10 years but never met.

There are seminars for everyone from the seasoned pro to the beginning DXer. Visit the Exhibit Hall, where you can talk to the people who design and use the best DX equipment.

Online Pre-Registration ends on Wednesday, April 10, 2013.

Any questions -- e-mail [info@dxconvention.com](mailto:info@dxconvention.com)

For more information go to:

<http://www.dxconvention.com/>

## What's In A Name?

Pick any field of study you like, and chances are the ancient Greeks originated it. The word for our technology, electronics, comes from the Greek *elektra*, meaning amber. Amber is the dark translucent yellow substance obtained when tree sap hardens -- an early plastic, if you will. When amber was rubbed with lamb's wool, the Greeks noticed the clinging phenomenon familiar to any modern who has ever taken a piece of nylon clothing out of a dryer. Ben Franklin and others picked up this investigation of electrostatics 2000 years later, with results known to us all.

The words electric and electron were widely used in the first decades of the twentieth century, but the word electronics, implying applications of the vacuum tube beyond the original radio area, did not gain currency until a magazine bearing that name appeared in 1930.

Lee DeForest, inventor of the triode vacuum tube, called his invention the audion -- a contraction of audio and ion. He remained convinced that its operation depended on ionized gas inside the bulb long after nearly everyone else had recognized the need for a near-perfect vacuum. DeForest also used the term 'wing' for the element which everyone now calls the plate. Of course, Ambrose Fleming, who invented the vacuum diode called it a valve, and the British continue to say 'valve' where we would say 'tube,' such are national loyalties.

The word transistor was coined as a contraction of transfer resistor. Transfer is an engineering term implying a relationship between an electrical output quantity and an input voltage or current. The idea was that an input current would control an output resistance. The term is not a good one, because the transistor's output characteristics are not at all like those of a resistor. Doubling the collector voltage does not double the collector current, for example; it hardly changes collector current at all.

We call a three-terminal variable resistor a potentiometer because an early version of this device was used in a potential-measuring circuit. A known voltage was voltage-divided down to exactly balance the unknown voltage, as indicated by zero reading on a galvanometer. Today, of course, a 'pot' is but seldom used in a potentiometer circuit.

No naming question generates so much heat on internet newsgroups as the BNC connector. Some say it means British Naval Connector, while others insist it stands for Baby N-series Connector. One authoritative-sounding post said it simply recognizes the style and designers: Bayonet Neill Concelman.

There is less controversy over the XLR mic connector. X is simply the Manufacturer's series, L denotes a newer Locking version that won't fall out, and R is for the Rubber inset for the pins, replacing the hard plastic which resulted in pin damage.

National Radio's famous top-of-the-line receivers, beginning in the 1930s and culminating in the 1960s, were named the HRO series. An old timer at the company related that the original production run was done under pressure approaching panic-- it was a Hell of a Rush Order.

■

### Consulting Rules

- If at first you don't succeed, destroy all evidence that you tried.
- A conclusion is the place where you got tired of thinking.
- Experience is something you don't get until just after you need it.
- For every action, there is an equal and opposite criticism.
- He who hesitates is probably right.
- Never do card tricks for the group you play poker with.
- No one is listening until you make a mistake.
- Success always occurs in private, and failure in full view.
- To steal ideas from one person is plagiarism; to steal from many is research.
- Two wrongs are only the beginning.
- Work is accomplished by those employees who are still striving to reach their level of incompetence.
- The sooner you fall behind, the more time you'll have to catch up. (Project Management at its best). ■



**Bill Kafka, W2YAV --- Silent Key**

Bill passed away Feb. 22, 2013 in Chandler, Arizona, under the care of Hospice. He was born July 19, 1921.

He was an active ham radio operator from his youth while living at the Sackets Harbor Navy Station where his father was stationed with the 13th Separate Fleet Division, U.S. Naval Reserve and N.Y. Naval Militia. His family life was interrupted by the death of his father in an explosion on board a Navy vessel in 1937.

Bill got his license in 1937. His call sign was W8QUN. Since he was far from an FCC office, a local ham, W8GFU gave the exam. Bill had worked with radios and had built two-tube receivers and transmitters prior to that.

After graduating from Sackets Harbor High School in 1939, he enlisted in the United States Coast Guard in Cleveland, Ohio. He advanced quickly from Seaman, Radioman Striker to RM1c in January, 1941. After attending USCG Radio En-

gineering and Maintenance school, he advanced to Chief Radio Technician in 1943. He was honorably discharged in 1945.

After getting his commercial broadcast license, he was employed as a "Radio Mechanic" at the Stockton Naval Annex in California. He obtained his W6VTE call sign. Later he moved to New York State, got his W2YAV call sign, and worked as an engineer at radio station WATN. In July 1947, he was employed as a "Testman" for General Electric, Syracuse, NY, in the broadcast test section.

In 1948, Bill was employed by the USCG as an Engineering Aide traveling through the Great Lakes area doing installation and maintenance work at Coast Guard stations and on shipboard. He remained in the field until 1955, then was stationed at the Electronic Engineering Branch, Radio Beacon section in Cleveland, Ohio. Later he was placed in charge of the "Ship and Shore" section, with the installation of electronic equipment at 55 shore stations, 65 lighthouses, approximately 150 small boats, 75 vehicles, an icebreaker, six 180-footers, five harbor tugs, one lightship, and ground equipment at three air stations. Eventually, he became Chief, Technical Section, responsible for providing electronic expertise for five bases. He retired in 1976 after 35 years of federal service, and relocated to Prescott, Arizona.

Bill had a repeater in Syracuse, New York when he worked for GE. He brought his repeater with him when he moved to Arizona and installed it at its present location, when he went to work for KNOT. He worked as an engineer for KNOT for eleven years. Bill allowed the Yavapai Amateur Radio Club to use his repeater, and eventually let our club acquire his 146.88 MHz repeater.

YARC members will always be grateful to Bill for his valuable contributions to our club.

A memorial service was held at the Heritage Memory Mortuary in Prescott, Ariz., on Feb. 28, 2013, followed by burial in Lakewood, Ohio. The family has asked that donations be made to a local hospice, or veterans organization. ■

## Area Repeaters

### Weekly Breakfasts



#### Wed. Morning Breakfast:

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*

#### Breakfast at Masonic Lodge: 3rd Saturday of each Month at 9:00 a.m.

(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

Freq.	PL	Location	Owner/ Club	Auto- Patch	Links	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			IRLP	Node 3301
144.390	Simplex						APRS- www.aprs.fi
145.290-	127.3	Mingus Mtn.	K7YCA				ARES/RACES
145.350-	162.2	Wildflower	W7QHC				Dawn
145.600	Simplex					Echo	Node 266053
146.760-	131.8	Hayden Peak	N7SKO				WECOM INC
146.780-	91.5	Bill Williams Mtn.	K7NAZ			IRLP	BWMRC LITZ, 3178
146.880-	100.0	Prescott Heights	W7YRC				YARC
146.920-	162.2	Mount Ord	W7MDY				ARA
146.980-	162.2	Mt. Elden	W7ARA				ARA
147.000+	162.2	Mingus Mt.	K7MRG				MMRG
147.140+	162.2	Mt. Elden	W7ARA				ARA
147.220+	162.2	Mingus Mtn	W7EI				VVARA LITZ
147.260+	103.5	Mt. Union	K7YCA				ARES/RACES
147.260+	127.3	Mt. Francis	K7YCA				ARES/RACES
147.360+	162.2	Mt. Ord	W7MDY				ARA
224.080-	156.7	Mt. Union	KJ7DX				Desert Intertie
442.150+	100.0	Mingus Mtn	WA7UID				MMRG
448.475-	100	Mt. Elden	W7ARA				ARA
448.875-	100.0	Mt. Elden	W7ARA				ARA
449.250-	192.8	Chino Valley	K7POF				
449.675-	88.50	Prescott Airport	WB7BYV		Linked to P Mtn.		
449.750-	123.0	Bill Williams	K7NAZ		Linked to Win-Sys		
927.0875-	151.4	Mingus Mtn	WB7BYV				
927.3875-	151.4	Prescott	WB7BYV			Echo	ARA

**Y.A.R.C. IRLP NODE**  
Node Number 3182  
146.100 MHz No PL Tone



#### T-Hunt Frequencies:

Primary - 145.100 MHz

Secondary - 146.565 MHz

#### 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

P.O. BOX 11994

PRESCOTT, AZ 86304

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

Many thanks to Dick Hughes, W6CCD, our Webmaster

