



# YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 27 - No.1 • January 2012

## Happy New Year

### From the President's Desk...



Happy Holidays everyone!

With the busy holiday season upon us I find only a few brief moments to pass along a bit of good cheer. As I mentioned last month we've had a good year but there's still much to do. I'll simply remind everyone again about the meeting and annual dinner coming up. Fred Zimmerman (N7PJN) is scheduled to speak on digital mode operations. Digital modes offer both error correction and low bandwidth requirements. It should be a very interesting discussion. I look forward to seeing you all there.

Wishing you the very best of the new year!

Creighton  
AD7YR

### YARC Officers for 2012

<b>President</b> Creighton Grotbeck, AD7YR <i>president@w7yrc.org</i>	<b>Vice President</b> Ellis Rackoff, KE7NAP <i>vice.president@w7yrc.org</i>
---	---

<b>Secretary</b> Barbara Ashley, KE7KEV <i>secretary@w7yrc.org</i>	<b>Treasurer</b> Tom Griswold, WN7E <i>treasurer@w7yrc.org</i>
--	--

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

Doug Freeman -- KV8TD  
 Pete Morrison -- K6VVR  
 Bryan Whipp -- W7BNW  
 Neil Vince -- K7SEN

**Newsletter Editor:** Joe Oliver, AC6AA  
*newsletter@w7yrc.org*

### From the Editor...

Thanks to those who have contributed this past year to the Yavapai Signal newsletter -- your articles and photos are much appreciated.

This coming year we should look at the challenges that lie ahead for our club. We must continue to move forward by increasing our membership, providing interesting programs, continuing public service and emergency communications, conducting license classes and VE testing, encouraging student involvement, helping new members, improving public relations, sponsoring social events and other activities such as T-hunts. Let us explore all facets of Ham radio in order to accommodate the varying interests of our membership.

Have a wonderful New Year! Joe, AC6AA

### Inside this issue:

Meeting Minutes.....	Page 2 & 3
January Program .....	Page 3
Membership Count.....	Page 3
Treasurer's Report.....	Page 4
Cub Officers and Board Members.....	Page 5
ARES/RACES.....	Page 6
Ask Elmer.....	Page 7
VE Testing.....	Page 8
Upcoming Events.....	Page 8
Men are Just Happier People.....	Page 9
Wireless Light.....	Page 10
YARC Annual Party .....	Page 11

## 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 December 1, 2011 Board Meeting



Meeting was called to order at 1800 hrs. by K6VVR.

Also in attendance: KE7NAP, KE7KEV, AD7WW, K7SEN, KV8TD, AD7RL, W7BNW and WN7E.

Antenna project scheduled for February. January's program is open.

AD7WW will be leaving the board for personal reasons. W7BNW has volunteered to fill the seat.

Approved unanimously.

General Meeting agenda discussed.

K7SEN moved to pay ARCA dues of \$35.00 – Approved unanimously.

A project to help a handicapped child in Phoenix discussed. K7SEN to follow up with valley clubs.

Details of YARC Party reviewed.

Club QSL card project considered. Interest of members to be polled.

Fund raising 'yard-sale' at a local flea market proposed.

Meeting adjourned at 1841 hrs.

## Minutes of December 1, 2011 General Meeting

Meeting was called to order at 1900 hrs. by K6VVR. Following the Pledge of Allegiance, introductions were made.

**Attendance:** 72 of whom 44 signed in.

Visitors welcomed.

New members KF7SKY, KF7RXX and KF7RXW welcomed unanimously.

**Minutes of the November meeting** were approved as published with no dissenting.

**Treasurer's report** presented and approved as published with no dissenting.

**Club stickers and patches** are available from the Treasurer.

**Shirts** are available from K6VVR.

### COMMITTEE REPORTS:

**VE:** The next testing session is February 4th, 9:00 AM at the Jeep Posse Building.

**Elmers:** K7SEN reports group doing great. KF7ING thanked the group for putting up his tower and beam.

**AZWAC:** A special award will be presented to anyone who works all Arizona counties during the Centennial celebration.

**ARES/RACES:** WA6ZZJ reports:

The Yavapai Office of Emergency Management has a new coordinator; Denny Foulk, KE5NDZ.

A letter of appreciation for support of the Tour-de-PV from the Boys and Girls club was presented.

For a full report, see article in Newsletter.

**Newsletter:** AC6AA reports everything going along fine with the Yavapai Signal, and thanks all who have contributed.

**Classes:** A General class license

preparation class is being considered for January.

**Refreshments:** K6UWV provided cookies, soft-drinks and coffee to enjoy.  
Please recycle cans.

**School Clubs:** KB7TRE reports 7 active members, with 3 present. They're currently working on a radio-gram project for Christmas.

**Nets:** Wednesday night net on the 146.880 repeater at 7PM. Operators for net control always needed.  
K6VVR reports Slow Code net on Sunday evenings is up and running, doing well. Everybody's welcome, and any speed will be accommodated.

**T-Hunt:** This Sunday, 1 PM, starting at the corner of Gail Gardner and Willow Creek Rd. Contact K6VVR.  
WB7UZV found the transmitter(s) last month.

**Food Bank:** KB7TRE thanks everyone who donated food. Quite a bit was donated last month.

KE7NAP reported on the **YARC Party**, at the Hotel St. Michael on January 14th, Noon to 3 PM.

**Badges:** KF7MAU is taking orders for badges.

Old Business

WB9VGJ thanked everyone who participated in the NRA special event at Gunsite, and particularly KB7TRE for providing food and the CW station, which AE7CG operated.

Yuma Hamfest is in February.

Mesa Hamfest is December 3rd.

W7BNW will be serving the remainder of AD7WW's board term.

Adjourned at 8:47 PM.

50/50 of \$37 won by W7HAM.

Respectfully submitted,

George Imburgia, AD7RL

YARC Secretary

## Area Repeaters

The "Area Repeaters" chart on page 12 of this newsletter has been updated to conform to the Area Repeaters chart which appears on the YARC website.

Please send any additions, deletions, or corrections to [webmaster@w7yrc.org](mailto:webmaster@w7yrc.org) and [newsletter@w7yrc.org](mailto:newsletter@w7yrc.org)

### Membership Count:

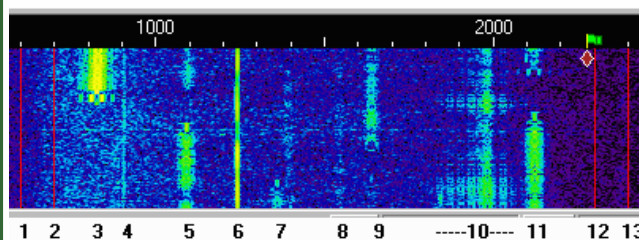
1st Thurs. in November.....184  
Gain/Loss.....+1\*  
1st Thurs. in December.....185



\* Includes fourteen 3-month memberships

## January Program

### PSK31 and Other Digital Modes



PSK31 "Waterfall"

Fred Zimmermann, N7PJJ will give a talk on Digital Modes, in particular, PSK31. Fred will set up his Kenwood TS-50 for a live demonstration of this popular digital mode.

Please bring note paper and a flash drive if you wish to receive programs, PowerPoint files, etc.

## 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, K7SEN** (928) 775-2158  
**Jim Ball, WB7UZV** (928) 445-2997  
**Will Taylor, AD7WW** (928) 445-1717

**YAVAPAI AMATEUR RADIO CLUB**

**December Treasurer's Summary - Tom Griswold WN7E**

**Income**

Date	Callsign	Name	Code	Check	Amt Paid	G. F. Amt	Rep Fund	ARRL
12/01/11	WD8DOT	Gary Shapiro	R	1232	\$20.00	\$18.00	\$2.00	
12/01/11	KE7IXS	Bill Burkett	R A	2614	\$67.00	\$20.00	\$2.00	\$45.00
12/01/11	KE7VWN	Debbie Burkett	R A F					
12/01/11	KF6BTV	Marty Goyette	R	cash	\$20.00	\$18.00	\$2.00	
12/01/11	KI6AHH	Tony Jackson	R F					
12/01/11	AD7RL	George Imburgia	R	cash	\$20.00	\$18.00	\$2.00	
12/01/11	KD6OBC	Ray Shaver	R	2292	\$20.00	\$18.00	\$2.00	
12/01/11	W0PL	Paul Leska	R	20447	\$20.00	\$18.00	\$2.00	
12/01/11	KF7LYF	Ryan Lowry	R	1987	\$20.00	\$18.00	\$2.00	
12/01/11	KF7MMO	Ken Nelson	R	cash	\$20.00	\$18.00	\$2.00	
12/01/11	KF7RIC	Chauvin Emmons	R A	cash	\$59.00	\$20.00	\$2.00	\$37.00
12/01/11	KF7RYB	William G. Krol	N	cash	\$20.00	\$18.00	\$2.00	
12/01/11	KF7RXY	Ed Fielding	N	cash	\$20.00	\$18.00	\$2.00	
12/01/11		50/50		cash	\$72.00	\$72.00		
12/01/11		Party payments received		checks	\$312.00	\$312.00		
12/01/11	KB7TRE	Terry Pemberton ret.money/NRA		cash	\$9.20	\$9.20		
<b>Income Totals</b>					<b>\$699.20</b>	<b>\$595.20</b>	<b>\$22.00</b>	<b>\$82.00</b>

**Expenses**

12/01/11	K6UWV	David Passell		1085		\$8.03		
12/01/11		ARCA dues (via k7sen)		1086		\$35.00		
12/01/11	W7HAM	Ralph Gendron 50/50 winner		cash		\$36.00		
12/02/11		Allegra - newsletter		1087		\$28.22		
<b>Total Expenses</b>						<b>\$107.25</b>		

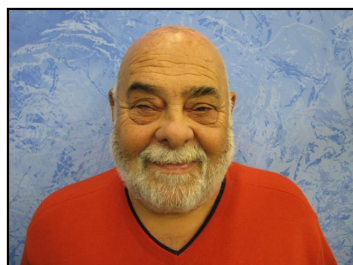
Beginning Balance	<b>\$5,297.24</b>							
Mon. Income	<b>\$699.20</b>	Nov. end Repeater Fund				<b>\$1,357.09</b>		
		Dec. 2011 Repeater Fund				<b>\$22.00</b>		
Sub Total	<b>\$5,996.44</b>	Interest 30 Nov. 2011				\$0.17		
Expenses	<b>\$107.25</b>	Repeater Fund Bal.				<b>\$1,379.26</b>		
General Fund Balance	<b>\$5,889.19</b>	ARRL Payments		Ck 1088			<b>\$82.00</b>	
Net Loss/Gain	<b>\$591.95</b>	Dec. Income				\$699.20		
		Cash out 50/50				\$36.00		
		Deposit				\$663.20		

# Yavapai Amateur Radio Club Officers and Board Members for 2012

## Officers



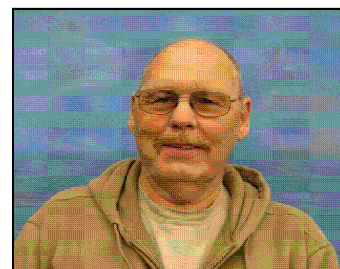
**President**  
Creighton, AD7YR



**Vice- President**  
Ellis, KE7NAP



**Secretary**  
Barbara, KE7KEV



**Treasurer**  
Tom, WN7E

## Board Members



**Doug, KV8TD**



**Pete, K6VVR**



**Neal, K7SEN**



**Bryan, W7BNW**

Thanks to all Officers and Board Members for stepping forward in a leadership role in order to ensure that the Yavapai Amateur Radio Club continues to be an active, Special Service Status type organization.

### Club contacts - At a Glance

President - AD7YR  
Vice President - KE7NAP  
Secretary - KE7KEV  
Treasurer - WN7E  
Board Member - KV8TD  
Board Member - K6VVR  
Board Member - W7BNW  
Board Member - K7SEN  
Arizona WAC Administrator  
Ask Elmer for Help  
Badges  
Field Day Chairman  
Fox Hunts

[president@w7yrc.org](mailto:president@w7yrc.org)  
[vice.president@w7yrc.org](mailto:vice.president@w7yrc.org)  
[secretary@w7yrc.org](mailto:secretary@w7yrc.org)  
[treasurer@w7yrc.org](mailto:treasurer@w7yrc.org)  
[kv8td@w7yrc.org](mailto:kv8td@w7yrc.org)  
[k6vvr@w7yrc.org](mailto:k6vvr@w7yrc.org)  
[w7bnw@w7yrc.org](mailto:w7bnw@w7yrc.org)  
[k7sen@w7yrc.org](mailto:k7sen@w7yrc.org)  
[az.wac@w7yrc.org](mailto:az.wac@w7yrc.org)  
[ask\\_elmer@w7yrc.org](mailto:ask_elmer@w7yrc.org)  
[badges@w7yrc.org](mailto:badges@w7yrc.org)  
[field.day@w7yrc.org](mailto:field.day@w7yrc.org)  
[fox.hunt@w7yrc.org](mailto:fox.hunt@w7yrc.org)

License Classes  
Membership Application  
Newsletter Editor  
Program Inputs  
Public Service - DEC  
Repeater Trustee  
Special Events  
VE Test Liaison  
YARC Party Coordinator  
Information  
Webmaster  
Webmaster  
Webmaster

[classes@w7yrc.org](mailto:classes@w7yrc.org)  
[membership@w7yrc.org](mailto:membership@w7yrc.org)  
[newsletter@w7yrc.org](mailto:newsletter@w7yrc.org)  
[programs@w7yrc.org](mailto:programs@w7yrc.org)  
[public.service@w7yrc.org](mailto:public.service@w7yrc.org)  
[repeater@w7yrc.org](mailto:repeater@w7yrc.org)  
[special.event@w7yrc.org](mailto:special.event@w7yrc.org)  
[testing@w7yrc.org](mailto:testing@w7yrc.org)  
[yarc.party@w7yrc.org](mailto:yarc.party@w7yrc.org)  
[info@w7yrc.org](mailto:info@w7yrc.org)  
[yarc@w7yrc.org](mailto:yarc@w7yrc.org)  
[w7yrc@w7yrc.org](mailto:w7yrc@w7yrc.org)  
[webmaster@w7yrc.org](mailto:webmaster@w7yrc.org)



By Lloyd, WA6ZZJ

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

**NEW MEMBER ORIENTATION MEETING.....**

A New Member Orientation / Seasoned Member Re-Orientation Meeting is scheduled for Saturday, January 21, 2012. It will be held in the Yavapai County Public Works Ready Room located at 1100 Commerce Dr. in Prescott. The meeting schedule is as follows:

- 09:30 Arrival and Social Time
- 10:00 to 13:00+/- Meeting

Topics covered will be some history of ARES and RACES along with Yavapai County ARES/RACES. Some information on the organization and a training session on message handling, forms used, net operations, tactical call signs and some protocol will be included.

ARES/RACES has had several new members joining so this will be an opportunity for them to learn about the organization and how it operates as well as meet some of the other members they will be working with.

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

The YARC Special Event Communications season will begin in April 2012. The first event will be the MS-150, Ride the Vortex, bicycle event in the Verde Valley. This will be a two day event running Saturday and Sunday, April 14 - 15, 2012. The event will begin and end at the Verde Valley Fairgrounds in Cottonwood. The route has been selected and I am awaiting information as to location of rest stops, SAG vehicles and Medical personnel. As of the last meeting I attended on this event there were already well over 300 riders registered.

The magnitude of this event will require the cooperation of both YARC and the VVARA along with possible assistance from other organizations.

This will be year number two for the second event being a three day operation. It will be Friday, Saturday and Sunday, April 27, 28 and 29, 2012. This is the Whiskey Off Road Mountain Bike event in Prescott.

SO.... Put these events on your calendar. It's never too early to start planning your participation.... More information will be coming in early 2012. ■

**WHY MEN ARE NEVER DEPRESSED:**

- Men Are Just Happier People --
- What do you expect from such simple creatures
- Your last name stays put.
- The garage is all yours.
- Wedding plans take care of themselves.
- You can be President.
- You can never be pregnant.
- You can wear a white T-shirt to a water park.
- You can wear NO shirt to a water park.
- Car mechanics tell you the truth.
- You never have to drive to another gas station restroom because this one is just too icky.
- You don't have to stop and think of which way to turn a nut on a bolt.
- Same work, more pay.
- Wrinkles add character.
- Wedding dress \$5000. Tux rental-\$100.
- People never stare at your chest when you're talking to them.
- New shoes don't cut, blister, or mangle your feet.
- One mood all the time.
- You know stuff about tanks.
- A five-day vacation requires only one suitcase.
- You can open all your own jars.
- You get extra credit for the slightest act of thoughtfulness.
- If someone forgets to invite you,
- He or she can still be your friend.
- Your underwear is \$8.95 for a three-pack.
- Three pairs of shoes are more than enough...
- You almost never have strap problems in public.
- You are unable to see wrinkles in your clothes..
- Everything on your face stays its original color.
- The same hairstyle lasts for years, maybe decades.
- You only have to shave your face and neck.
- You can play with toys all your life.
- One wallet and one pair of shoes -- one color for all seasons.
- You can wear shorts no matter how your legs look.
- You have freedom of choice concerning growing a mustache.
- You can do Christmas shopping for 25 relatives
- On December 24 in 25 minutes.
- No wonder men are happier. ■

# Ask Elmer

By Neil Vince, K7SEN



If you have a question related to our club activities or a technical question, please send it to: [ask.elmer@w7ycr.org](mailto:ask.elmer@w7ycr.org). The answer may be of interest to other members and will be posted in the Newsletter.

## F. A. Q.

### What are some types of Amateur Radio Nets, and how do they differ?

An Amateur Radio net is an “on-the-air gathering of amateur radio operators. Most nets convene on a regular schedule and specific frequency and are organized for a particular purpose, such as relaying messages, discussing a common topic of interest, emergencies, or simply as a regular gathering of friends for conversation.

There are nets on VHF and HF all times of the day and night. If you are not a regular participant, the most important thing you can do is: LISTEN LISTEN LISTEN. Try to find out the type of net, as well as any procedure before checking in. Most nets will ask for visitors before they close.

Most nets have someone acting as net control. A net control is sometimes referred to as the ‘boss’ of the net, but should never be bossy. There are nets where amateurs check in randomly and are put in order for their turn as in a round table net. Most nets are Directed Nets where a script and roll call are used. This is done to basically keep order and prevent several people from trying to check in at the same time. It is especially important for any type of emergency net, since without training a net would be utter chaos in the event of an emergency. Emergency net training follows the same procedure as if it were a real event. It is sometimes said, if referring to emergency nets, “less is often more”!

### Types of Nets

**ARES-RACES** – In Yavapai County, ARES-RACES meet weekly on two different repeaters for training and practice. During an emergency, trained ARES-RACES members pro-

vide crucial communications into and out of stricken areas. Visit [www.k7yca.org](http://www.k7yca.org) for more information. This is a Directed Net.

**Traffic Nets** – Traffic nets are part of the North American system which moves text messages or traffic via ham radio. Operators meet to exchange or relay messages. Liaison stations take the messages to another traffic net and pass the message on to another operator until it has reached its destination. An amateur would then call the individual and read the message. The Arizona Traffic and Emergency Net (ATEN) meets daily on 3986 kHz at 5:30 PM MST or 0030 Zulu. Visit [www.atenaz.net](http://www.atenaz.net) for more information on traffic nets and to learn how to format radiograms. This is a Directed Net.

**Swap Net** – Some nets will incorporate a swap section into their regular net or there may be a net dedicated to buying and selling of ham equipment. Items are listed on the net and the actual transaction takes place over the phone.

**Technical Net** – In some areas of the country, technical nets are designed to specifically assist new hams with questions. This is generally a group of individuals who get together at a certain time to offer any expertise they may have and converse on various topics.

**Club Nets** – Generally held weekly (some daily). You will find these nets may contain a trivia question or any topic the individual wishes to discuss. These can be fun nets and give individuals an opportunity to get to know other amateurs in the area. Club nets are also great places to get your feet wet when it comes to being a net control. You’re amongst friends and most will never know if you made an error. You will find you are more critical of yourself than others are of you.

**DX Net** – Designed to help amateur radio operators make contact with stations in distant locations or regions where there are few amateur radio operators. By checking into a DX net, there is an opportunity to contact a station not likely to be heard by randomly tuning across the amateur bands.

■

## **VE TESTING**

**By Mary Vince, AB7NK**

The first test session of 2012 will be held on Saturday, February 4, 2012 at 9:00 A.M. at the Jeep Posse Building in Pioneer Park behind the Hockey Rink.

If you are taking the technician exam, be sure to pre-apply for an FRN (Federal Registration Number) from the FCC in advance of the test session. You do NOT have to hold a license to apply for this. You can apply for a FRN number at:

[http://wireless.fcc.gov/uls/index.htm?job=about\\_getting\\_started](http://wireless.fcc.gov/uls/index.htm?job=about_getting_started)

If you do NOT have an FRN number, you will be required to enter your Social Security number on the application and test form.

Save time and pre-register for the test session by emailing the following information to:

[testing@w7yrc.org](mailto:testing@w7yrc.org)

- Name as you would like it to appear on your license
- Mailing address
- City, State, Zip
- Phone number (to be reached after testing and prior to paperwork being sent in)
- Email address
- FRN number

If you are planning on upgrading, please check the FCC database to make sure your information is correct. <http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>

If any changes need to be made please send them in the e-mail when you pre-register.

The day of testing you will need to bring: photo I.D., \$15.00, two #2 pencils, pen, calculator (if you plan on using one) and scratch paper. If you are upgrading you will need the **original of your signed current license as well as a photo copy of your license**. You will NOT be allowed to test if you do NOT have your license and a copy with you.

The 2012 test schedule can be seen on the club webpage under the VE Testing tab.

### **SPECIAL NEEDS ONLY**

Please contact Mary at 928-775-2158 a minimum of 2 – 3 weeks prior to the test date. ■

**For Sale**

## **Ranger AR-3500**

10 meter all mode radio. AM 30w ; FM 30w ; CW 150w; USB & LSB 120w PEP.

Mfr. Clear Channel Corp.

**Price \$175**

Contact [kc7bpi@yahoo.com](mailto:kc7bpi@yahoo.com)

## **Upcoming Events**

- **January 14, 2012** - YARC Annual Party at Hotel St. Michael.
- **February 4, 2012** - VE Testing Session
- **February 17-18, 2012** -ARRL Southwestern Division Convention - Yuma, Arizona
- **April 14-15, 2012** - MS 150 Ride the Vortex Bicycle Event in the Verde Valley.
- **April 27,28, & 29, 2012** - Whiskey Off Road Mountain Bike Event.

## **Net Controls Needed!**

Net Controls are needed for the Wednesday Evening Net at 7:00 p.m. on the 146.880 Repeater.

Contact Neil, K7SEN at (928) 775-2158.



## **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.

## ***Men Are Just Happier People***

### **NICKNAMES**

If Laura, Kate and Sarah go out for lunch, they will call each other Laura, Kate and Sarah.

If Mike, Dave and John go out, they will affectionately refer to each other as Fat Boy, Bubba and Wildman .

### **EATING OUT**

When the bill arrives, Mike, Dave and John will each throw in \$20, even though it's only for \$32..50. None of them will have anything smaller and none will actually admit they want change back.

When the girls get their bill, out come the pocket calculators.

### **MONEY**

A man will pay \$2 for a \$1 item he needs.

A woman will pay \$1 for a \$2 item that she doesn't need but it's on sale.

### **BATHROOMS**

A man has six items in his bathroom: toothbrush and toothpaste, shaving cream, razor, a bar of soap, and a towel.

The average number of items in the typical woman's bathroom is 337. A man would not be able to identify more than 20 of these items.

### **ARGUMENTS**

A woman has the last word in any argument.

Anything a man says after that is the beginning of a new argument.

### **FUTURE**

A woman worries about the future until she gets a husband.

A man never worries about the future until he gets a wife.

### **MARRIAGE**

A woman marries a man expecting he will change, but he doesn't.

A man marries a woman expecting that she won't change, but she does.

### **DRESSING UP**

A woman will dress up to go shopping, water the plants, empty the trash, answer the phone, read a book, and get the mail.

A man will dress up for weddings and funerals.

### **NATURAL**

Men wake up as good-looking as they went to bed.  
Women somehow deteriorate during the night.

### **OFFSPRING**

Ah, children. A woman knows all about her children. She knows about dentist appointments and romances, best friends, favorite foods, secret fears and hopes and dreams.

A man is vaguely aware of some short people living in the house.

### **THOUGHT FOR THE DAY**

A married man should forget his mistakes. There's no use in two people remembering the same thing! ■

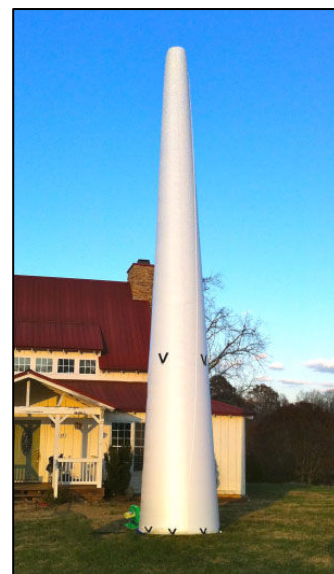
## ***33 ft Inflatable Tower for Amateur Radio***

**Mfd by LTA Projects**

Emergency Agencies & Law Enforcement all over the US are using our Inflatable Towers for communications, lighting, & video. Now we are offering a brand new affordable version just for Amateur Radio.

- Powerful continuous blower
- Uses only 5.5 Amps of power
- Inflates in under 40 seconds
- Easily handles 30 mph winds
- Safe, fast setup in 7 minutes
- Rugged, long-lasting materials
- 3 standard colors, 5 optional
- Callsign Printed - Add \$60

Made in Cookeville, Tennessee



<http://shop.ltaprojects.com/33-ft-Inflatable-Tower-for-Amateur-Radio-HAM33.htm?productId=3> or

<http://tinyurl.com/7hrgjtt>

# Wireless light

By Malcolm, NM9J -- from the "PCARA Update"

In the pages of *PCARA Update*, we have previously mentioned the consequences of the Energy Bill signed by President Bush in December 2007. ("Farewell to Tungsten", PCUD January 2008.) Back in 2008 we reported that within the Energy Bill:

**"A less-noticed measure calls for new lamps to be more efficient over the next 13 years and could lead to a phase-out of standard incandescent light bulbs. This part of the legislation seems to have been written for the benefit of Philips, GE and Sylvania — it is likely to favor those company's more expensive products including halogen bulbs, compact fluorescent lamps and LED lights."**

**"Under the lighting measure, all light bulbs offered for sale must use 25% to 30% less energy than today's incandescent lamps by 2012-2014. The phase-in will start with 100-watt bulbs in January 2012 and end with 40-watt bulbs in January 2014. By 2020, most new bulbs must be 70 percent more efficient. Modified incandescents such as Philips' halogen bulbs can already offer the 30% efficiency improvement, but as of now, only compact fluorescent bulbs will be able to meet the 70% improvement required by 2020."**

Jumping several years forward into the present, we find compact fluorescent lights are widely available, but there are still objections to their color rendering and they are not really suitable for circuits where the lamp is only switched on for a short time.

LED lamps with useful light output have started to become available and a model from GE was mentioned in "Noisy World", *PCARA Update*, March 2010. Unfortunately it turned out to be a potent source of RF interference on MF and VHF.

LED lamps with warmer colors have become more readily available from manufacturers such as Philips and prices have been falling. The LED lamp pictured here is a Philips 8 watt model, recently purchased from Home Depot at a price of \$21.97.



*Philips LED lamp consumes 8 watts and produces light output of 450 lumens.*

In May 2011 the Home Depot introduced a 9 watt LED lamp in its own "EcoSmart" range, with equivalent light output to a 40 watt incandescent -- at a price of \$19.97. This particular model is made by Lighting Science Group Corporation for Home Depot and is significantly less expensive than similar LED lamps.



*EcoSmart 9 watt LED Lamp is equivalent to a 40 watt tungsten bulb.*

I had a very good place to test the Home Depot lamp when I had to change a bulb in my garage door opener. Out came the previous ruggedized incandescent lamp and in went the EcoSmart. The bulb did a good job of lighting up the dark garage as I opened the door next morning. All was well as I reversed out of the garage, then I pressed the remote control to close the garage door and -- nothing happened! I had to get out and close the door with the manual button on the wall. What was going on?



*Garage door opener has built-in lampholders at each end. Wire antenna hangs down for reception of the 390 MHz remote control transmitter.*

The answer was-- yet more unwanted RF emissions, this time from the Home Depot LED lamp. The garage door opener has its own UHF receiver operating in the 300-400 MHz range with a short wire hanging down. That antenna is only a few inches away from the LED lamp -- and the lamp is itself a powerful source of RF interference. Result -- while the garage door lamp is lit, the remote control receiver is rendered inoperative by the wideband noise source near the receiver. The fix was to replace the EcoSmart LED lamp and operation went back to normal. ■

-NM9J



# YARC Annual Party

Hotel St. Michael  
205 W. Gurley Street  
Prescott, AZ 86301

Saturday, January 14, 2012  
12 PM - 3 PM

Name: \_\_\_\_\_ Call Sign: \_\_\_\_\_

Please print this form for each person attending.

Please make check payable to YARC in the amount of \$26 per person which includes gratuity.

Please send to: Ellis Rackoff Ke7nap, 7043 E. Lobo Way, Prescott Valley AZ 86314.

Circle selection below:

1. Mahi Mahi fish and chips
2. London Broil with roasted red potatoes
3. Grilled Chicken with pasta
4. Vegetarian choice with wild rice

All entrees served with a side salad, dinner rolls and butter plus Chocolate Mousse cake for dessert.

Any special needs, please contact me at: 928 775 5462 or email - [ke7nap@q.com](mailto:ke7nap@q.com)

All checks and reservations MUST be received by no later than January 5th, which is our meeting night.

## 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*

#### Saturday Breakfast:

at 8:00 a.m.

#### Masonic Lodge

(1280 Willow Creek Road,

2<sup>nd</sup> Floor; above Bank of Amer-  
ica)

*informal – all are invited*

\* Location data (per WGS84) provided

by Fred Zimmermann, N7PJM

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



#### 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

