



YAVAPAI SIGNAL



The Yavapai Amateur Radio Club • Prescott, Arizona • DM-34 • Volume 22– No.2 • February 2007

From The President's Desk



I am excited to begin my term as President of the Yavapai Amateur Radio Club. I will strive to keep the club running as smoothly as my predecessor did. Thank you, John, WB9VGJ, for an outstanding job as president!

For those of you who do not know me, here is a little background. I became interested in ham radio when I was in the 7th grade, but I did not get my license until I was in my 40's; I now hold a General class license. My thirty six year teaching career has all been in the Prescott Unified School District teaching the Applied Technology program. I also sponsor the Technology Club and the Ham Radio Club after school. So far the greatest accomplishment I have had as a ham radio operator was enabling my students to contact the space shuttle Columbia as part of the SAREX Project with NASA in 1994.

Recently members met at the China Buffet for the "After Season Party". It was a rousing success! Dick, W7CCD, organized the party and door prizes. In fact, there were enough prizes for everyone to win something. All party goers also received a sample package of photo printing paper thanks to the generosity of Think4Ink. The forty eight members and guests attending had such a good time that the dining room doors were closed to keep us from disturbing the other patrons. Special recognition was given to Jack Ragen, W3IVQ, for being the only member in attendance wearing a club shirt. Atta Boy!

The evening was so enjoyable that I was thinking we may want to have another get together again in the summer. The Ramada at Watson Lake was suggested as a location for a cookout. The Ramada is quite large with bathroom facilities and enough parking for the whole family. Think it over and we will discuss it at the next meeting.

We have enough programs for the next six meetings. In February, Bob Smith, WB6ODR will give a presentation on his partici-

pation in the Rose Parade in Pasadena, Ca. In March, Rowle Simmons, the Mayor of Prescott, will give a history of the communications industry in Prescott covering the last 30 years. This is tentative depending on the arrival date of his new grandchild. I will discuss other presentations in a later article. If any members have an idea for a presentation or would like to be a presenter at one of our meetings please contact me or any board member. We are anxious to hear from you!

We have many activities scheduled for the near future. Two activities do not have committees yet; The joint VVARA/YARC Club Swap Meet and Field Day. I have secured the Granite Mountain Middle School parking lot and basketball court for our swap meet on Saturday, June 2, 2007. I want to keep this project as low stress as possible. I would appreciate a few volunteers for this project. If you are interested in working on the field day plans with the members of VVARA please let us know at the February meeting. In the past this has been a joint radio project and cookout.

I accepted the office of President out of a sense of community and responsibility. I know you share those same attributes and will help me maintain our vibrant, productive club.

73 de Terry, KB7TRE

<i>Inside This Issue ...</i>	
<i>Meeting Minutes.....</i>	<i>Page 2 & 3</i>
<i>This Month's Featured Ham.....</i>	<i>Page 4</i>
<i>Treasurer's Report.....</i>	<i>Page 5</i>
<i>YARC Post-Holiday Party</i>	<i>Page 6</i>
<i>ARES/RACES.....</i>	<i>Page 7 & 8</i>
<i>Good Old Days.....</i>	<i>Page 8</i>
<i>Southwestern Div. Convention.....</i>	<i>Page 9</i>
<i>Measuring Capacitance and Inductance...Page 10</i>	
<i>Watching Rose Parade.....</i>	<i>Page 10 & 11</i>
<i>CQ DX de YARC</i>	<i>Page 11</i>

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. If you hear a 1400 Hz pulsing tone, the repeater is on backup battery power and usage should be limited to necessary communications. Our deepest gratitude to Bill Kafka, W2YAV for allowing us to acquire this repeater. ■



Membership Count:

1st Thurs. in Dec....**101**
Gain/Loss.....**0**
1st Thurs. in Jan.....**101**

YARC Officers for 2007

President	Vice President
Terry Pemberton, KB7TRE kb7tre@cableone.net	Dick Hughes, W6CCD richard@rahughes.net

Secretary	Treasurer
Pat Oliver, K7DUC joliver@commspeed.net	Patti Halgunseth, KD7VBG kd7vbg@cableone.net

YARC Board of Directors (includes Club Officers)

John Broughton – WB9VGJ
Ken Severance – WA6AQK
Richard Bozeat – KE7DTR
Walter Schumann – KF6SPS

Newsletter Editor: Joe Oliver, AC6AA

Minutes of January 4, 2007 Board Meeting



A Board Meeting was held at 1810. Present were Terry, KB7TRE; John, WB9VGJ; Pat, K7DUC; Dick, W6CCD; Walter, KF6SPS; Patti, KD7VBG;

Richard, KE7DTR, and Ken, WA6AQK.

Dick, W6CCD said that 56 people had signed up so far for the After Season Party. Several of these were “possibles” and more may sign up. Prizes will be obtained by John, WB9VGJ.

Terry, KB7TRE spoke with his counterpart from VVARA about having a swap meet. We could have it at Granite Mountain Middle School, on the basketball court next to the parking lot. Food could be sold for a minimal amount. May or June should be good months for this activity. We will see if both YARC and VVARA are interested. Saturday would be a good day for the activity.

Field Day is held on June 23-24 by VVARA and it would be good if our

club would participate and set up a few stations.

Monthly programs so far include Al Crook, KD7MTJ on Flags and Bob Smith, WB6ODR, who will give a presentation on his experiences in the Rose Parade. Terry, KB7TRE will contact Rowle Simmons as speaker for March. More input will be taken from the membership.

Statehood Day will be held again on Feb.14th at Sharlot Hall Museum and Terry’s students will again take part.

Dick, W6CCD got permission from the Board to buy club shirts to have in stock for sale.

Patti, KD7VBG will handle the sale of patches.

Ken, WA6AQK mentioned that the 2008 Southwestern Division Convention will be held in Arizona. They wished to know if the clubs would like to participate.

The Meeting was adjourned at 1840.

Respectfully submitted,
Pat, K7DUC
Secretary

Minutes of January 4, 2007 General Meeting

Terry, KB7TRE called the meeting to order at 1900. The Pledge of Allegiance was recited and members introduced themselves.

Visitors: Vi Hughes; Irene Rogers; and Lois Diddams.

New Members: Eric Nelson, KE7JKT and Kenneth Line, W7MHW. A motion to vote in the new members was made by John, WB9VGJ and seconded by Lloyd, WA6ZZJ. The applicants were voted in by the membership.

Meeting Minutes: A motion to approve the Board minutes of Dec. 7, 2006 was made by Al, KD7MTJ seconded by Richard, KE7DTR. The Board minutes were approved. A motion to approve the General Meeting Minutes of Dec. 7, 2006, was made by John, WB9VGJ and seconded by Bob, WB6ODR. The General Meeting Minutes were approved pending the correction for the price of the T-Shirts.

Treasurer's Report: Patti, KD7VBG gave the treasurer's report. The previous balance was \$3006.58 and the current balance is \$2926.58. A motion to approve the report was made by Doug, KV8TD and seconded by Bob, WB7RRQ. The treasurer's report was approved.

Committee Reports:

- **ARES/RACES/Public Service:** Lloyd, WA6ZZJ stated that we received a letter from the YMCA thanking us for helping out in the Rails-to-Trails race. ARES/RACES will have training meetings on Feb 3, May 19, Aug. 4, and Nov. 3. Public Service upcoming events are on May 5, Whiskey Row Marathon, Sept. 16, 54 Mile Lake Loop, and Nov. 17, Rail-to-Trail race.
- **Patches/Shirts/Badges:** Patti, KD7VBG has club patches for \$3.00; Dick, W6CCD has club shirts for \$19 for all sizes, except for XXL which are \$21. Name and call sign add \$2 to each, and Bob, WB6ODR has badges for \$5.75.
- **Public Information:** Bob, WB7RRQ stated that most information is getting out automatically. He asked that if anyone knows of different areas for public information, to let him know. The Desert Storm Road Rally will be held again this year. A signup sheet was passed around for helping out.
- **IRLP:** Bob, WB6ODR said that everything was going well..
- **VE Testing:** Mary, AB7NK, stated that in about 45 days, that the requirement will have been discontinued for the code test, and testing will be scheduled at that time.

- **Elmer/Technical Specialist:** Neil, KA7JAS said that everything had been taken care of.

Old Business:

- **Post Holiday Party:** Dick, W6CCD stated that the party will be held January 20th at 5:00 p.m. at the China Buffet. Anyone wishing to add their names to the list of attendees should notify Dick. \$150 will be spent on door prizes. Several donations will also be added.

New Business:

- A Joint Club Swap Meet with VVARA was suggested. Location was suggested as possibly on the basketball court next to the parking lot at Granite Mountain Middle School. Discussion was held about when, where, and who would participate. A joint field day/BBQ will be held with VVARA on June23/24. If anyone is interested in working on it, contact Terry.
- The 2008 Southwestern Division Convention will be held in Arizona. Ken, WA6AQK asked if anyone would be interested in being involved. This will be discussed next month.

Announcements:

Tonight's Program will be given by Al Crook, KD7MTJ, on the "Evolution of the American Flag".

A motion was made to adjourn the business meeting by John, WB9VGJ and seconded by Doug, KV8TD. The meeting was adjourned at 1957.

The 50/50 drawing was won by Lois Diddams, who won \$24.00.

Respectfully Submitted,
Pat, K7DUC
Secretary

For Sale

Alnico DJ-V5T/E 2 Meter/440 handheld T/R with receive only fm broadcast band. Includes "rubber duck" antenna, mobile mag mount, 2M/440 antenna with cable and connectors, spkr/mike, 110 AC and 12 Vdc power cords and instruction manual. Bought new in 2000 and rarely used.

Asking—\$200

Bob Kane, K7KOL
arkane57@yahoo.com

"Understanding and Solving RF Interference and Noise Problems"

By Jim Brown, K9YC

This is a great article on RFI Suppression and Baluns, found at the following URL:

<http://audiosystemsgroup.com/RFI-Ham.pdf>

Submitted by Bud, N7CW



This Month's Featured Ham

By Pat Oliver, K7DUC



David Passell, K6UWV

David got his first license, which was a General, around 1953, after his Dad got his license K6PPT. He did his code practice by using vinyl records starting at 5 wpm and building his speed up from there to the required 13-15 wpm of General Class at that time.

David now operates on 2 meters. He operated on HF in his early years. His most memorable contact was with a very rude young man from New York City. This would be negatively memorable for any of us. He changed his call sign in New York City to WA2MVT.

David lived in New York City for a while and was chief engineer of radio station WNCN. This was a network of four stations in Boston, MA, Providence, RI, Hartford, CT, and New York City. The stations provided classical F.M. music for several uses. Prior to that, he worked in a similar station in California.

He has also worked in California for Jet Propulsion Laboratories and Litton Data Systems in engineering capacities. His last job was a Technical Writer of manuals for telephone test and measuring equipment at Ameritec.

His education includes an A.A. degree from Glendale College. He then graduated from the University of Southern California, where he received a B.A. in Telecommunications.

David has built a number of things over the years, includ-

ing a Heathkit oscilloscope, audio oscillator, and VTVM. He built his father a shortwave radio. He also built a pre-amplifier, amplifier, and 2 meter converter, among several other items.

Prior to moving to Prescott in 1996 with his wife Betty, David belonged to a radio club in La Crescenta Valley, CA, as did his father before him.

David uses an HT 202 to communicate with us on our weekly club net on 2 meters.

He would like to see more attention paid to the club by the media, but generally thinks the club is heading the right direction, especially with Terry, KB7TRE and Jack, W7JLC working with the young people. He feels the future of ham radio depends on the younger folks, and is glad to see younger members joining our club.

David has been quite active in YARC, serving as Treasurer for four years and continuing on as refreshment chairman, a job he has had for several years. He is a valuable member of our club. ■

To what use did Lee De Forest put the Eiffel Tower?



In 1908, De Forest set up a station at the foot of what was then, and would remain, until 1930, the world's tallest building. He transmitted a musical program to New York, featuring gramophone records. What better way to publicize his belief that radio would be a whole new source of entertainment in the 20th century! The Eiffel Tower was nearly torn

down in 1909, but it escaped destruction because of its antenna, which at that time was being used for radiotelegraphy.

Radio Trivia from the American Museum of Radio and Electricity.



YARC Treasurer's Report January 2007

By Patti Halgunseth, KD7VBG, Treasurer

Treasurer's Financial Reporting Sheet

Club / Group Name:	YARC																																																																																																																						
Reporting Date:	1/14/2007																																																																																																																						
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Members Name</th> <th style="width: 15%;">Dues Paid</th> <th style="width: 15%;">Repeater Fund</th> <th style="width: 15%;">Donations/ Income</th> <th style="width: 15%;">Prize Money Paid Out</th> <th style="width: 20%;">Net Cash In per Member</th> </tr> </thead> <tbody> <tr><td>James Grimm/R-KD7RMV</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Micheal Paget/R-KD7DGY</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>David Nelson/N-KE7JKT</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Kenneth Line/N-W7MHW</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Robert Ower/R-WA7YUL</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Jim Clark/R-N5RO</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Rose Clark/R-KE7DTY</td><td>\$0.00</td><td></td><td></td><td></td><td>\$0.00</td></tr> <tr><td>Dan Nichols/R-W6SAK</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Joe Oliver/ARRL Renewal</td><td>\$44.00</td><td></td><td></td><td></td><td>\$44.00</td></tr> <tr><td>Richard Stcik/R-W7RCS</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Pete Morrison/R-K6VVR</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Henry Dye/R-KE7DTW</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>Jack Ragen/R-W3IVQ</td><td>\$20.00</td><td></td><td></td><td></td><td>\$20.00</td></tr> <tr><td>50/50</td><td></td><td></td><td>\$48.00</td><td></td><td>\$48.00</td></tr> <tr><td>Lois Diddams-50/50</td><td></td><td></td><td></td><td>\$24.00</td><td>(\$24.00)</td></tr> <tr><td>5-Patches</td><td></td><td></td><td>\$15.00</td><td></td><td>\$15.00</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>\$0.00</td></tr> <tr><td style="text-align: right;">Total:</td><td>\$264.00</td><td>\$0.00</td><td>\$63.00</td><td>\$24.00</td><td>\$303.00</td></tr> </tbody> </table>						Members Name	Dues Paid	Repeater Fund	Donations/ Income	Prize Money Paid Out	Net Cash In per Member	James Grimm/R-KD7RMV	\$20.00				\$20.00	Micheal Paget/R-KD7DGY	\$20.00				\$20.00	David Nelson/N-KE7JKT	\$20.00				\$20.00	Kenneth Line/N-W7MHW	\$20.00				\$20.00	Robert Ower/R-WA7YUL	\$20.00				\$20.00	Jim Clark/R-N5RO	\$20.00				\$20.00	Rose Clark/R-KE7DTY	\$0.00				\$0.00	Dan Nichols/R-W6SAK	\$20.00				\$20.00	Joe Oliver/ARRL Renewal	\$44.00				\$44.00	Richard Stcik/R-W7RCS	\$20.00				\$20.00	Pete Morrison/R-K6VVR	\$20.00				\$20.00	Henry Dye/R-KE7DTW	\$20.00				\$20.00	Jack Ragen/R-W3IVQ	\$20.00				\$20.00	50/50			\$48.00		\$48.00	Lois Diddams-50/50				\$24.00	(\$24.00)	5-Patches			\$15.00		\$15.00						\$0.00	Total:	\$264.00	\$0.00	\$63.00	\$24.00	\$303.00
Members Name	Dues Paid	Repeater Fund	Donations/ Income	Prize Money Paid Out	Net Cash In per Member																																																																																																																		
James Grimm/R-KD7RMV	\$20.00				\$20.00																																																																																																																		
Micheal Paget/R-KD7DGY	\$20.00				\$20.00																																																																																																																		
David Nelson/N-KE7JKT	\$20.00				\$20.00																																																																																																																		
Kenneth Line/N-W7MHW	\$20.00				\$20.00																																																																																																																		
Robert Ower/R-WA7YUL	\$20.00				\$20.00																																																																																																																		
Jim Clark/R-N5RO	\$20.00				\$20.00																																																																																																																		
Rose Clark/R-KE7DTY	\$0.00				\$0.00																																																																																																																		
Dan Nichols/R-W6SAK	\$20.00				\$20.00																																																																																																																		
Joe Oliver/ARRL Renewal	\$44.00				\$44.00																																																																																																																		
Richard Stcik/R-W7RCS	\$20.00				\$20.00																																																																																																																		
Pete Morrison/R-K6VVR	\$20.00				\$20.00																																																																																																																		
Henry Dye/R-KE7DTW	\$20.00				\$20.00																																																																																																																		
Jack Ragen/R-W3IVQ	\$20.00				\$20.00																																																																																																																		
50/50			\$48.00		\$48.00																																																																																																																		
Lois Diddams-50/50				\$24.00	(\$24.00)																																																																																																																		
5-Patches			\$15.00		\$15.00																																																																																																																		
					\$0.00																																																																																																																		
Total:	\$264.00	\$0.00	\$63.00	\$24.00	\$303.00																																																																																																																		
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Miscellaneous Club Expenses</th> <th style="width: 15%;">Cash Out</th> <th style="width: 15%;">Check Number</th> <th style="width: 15%;"></th> <th style="width: 15%;">Club Funds Summary</th> <th style="width: 20%;">Totals</th> </tr> </thead> <tbody> <tr><td>Guyann Corp,KAFF</td><td>\$120.00</td><td>915</td><td></td><td></td><td></td></tr> <tr><td>David Passell/Refresh</td><td>\$18.33</td><td>916</td><td></td><td>Starting Balance</td><td style="border: 1px solid red;">\$3,006.58</td></tr> <tr><td>ARRL/Joe Oliver</td><td>\$42.00</td><td>917</td><td></td><td>Net Expenses</td><td>\$212.56</td></tr> <tr><td>Richard Hughes/T-Shirts</td><td>\$2.17</td><td>918</td><td></td><td>Net Income/Deposits</td><td>\$303.00</td></tr> <tr><td>Insty Print</td><td>\$30.06</td><td>919</td><td></td><td></td><td>\$3,097.02</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td style="text-align: right;">Total:</td><td>\$212.56</td><td></td><td></td><td>Cash Flow</td><td>\$90.44</td></tr> </tbody> </table>						Miscellaneous Club Expenses	Cash Out	Check Number		Club Funds Summary	Totals	Guyann Corp,KAFF	\$120.00	915				David Passell/Refresh	\$18.33	916		Starting Balance	\$3,006.58	ARRL/Joe Oliver	\$42.00	917		Net Expenses	\$212.56	Richard Hughes/T-Shirts	\$2.17	918		Net Income/Deposits	\$303.00	Insty Print	\$30.06	919			\$3,097.02							Total:	\$212.56			Cash Flow	\$90.44																																																																		
Miscellaneous Club Expenses	Cash Out	Check Number		Club Funds Summary	Totals																																																																																																																		
Guyann Corp,KAFF	\$120.00	915																																																																																																																					
David Passell/Refresh	\$18.33	916		Starting Balance	\$3,006.58																																																																																																																		
ARRL/Joe Oliver	\$42.00	917		Net Expenses	\$212.56																																																																																																																		
Richard Hughes/T-Shirts	\$2.17	918		Net Income/Deposits	\$303.00																																																																																																																		
Insty Print	\$30.06	919			\$3,097.02																																																																																																																		
Total:	\$212.56			Cash Flow	\$90.44																																																																																																																		

YARC Post-Holiday Party

This year's annual Post-Holiday Dinner Party was held at the China Buffet. Forty eight members and guests attended. Plenty of food, lots of prizes, and great company, made this an enjoyable dinner party.

Thanks to Dick Hughes for coordinating this event. ■



Lots of Prizes



Party Time



ARES/RACES....

The first ARES/RACES training meeting of the year is scheduled for Saturday, February 3, 2007 and will be held at the Yavapai County Public Works ready room (Yavapai County EOC) located at 1100 Commerce Drive in Prescott. The meeting will be from 0900 until 1200 hours.

Bud Semon, N7CW, will be giving a presentation on Winlink. Both the ARRL and Arizona State Emergency Management are asking us to get more involved with this mode of operation so we should all become familiar with it. Lee Cunningham, KC7CBK, will have a refresher topic on Packet Operation during the second half of the meeting and we are planning to have portable packet stations set up for some 'hands on activity'. More information will be coming out. Please plan to attend this important meeting.

Other training meetings scheduled for the year 2007 are:
Saturday, May 19, 2007
Saturday, August 4, 2007
Saturday, November 3, 2007

Topics and locations for the remaining meetings will be announced at a later date.

The following is a list of Radio Procedures to use during Emergencies:

1. Identify yourself at the beginning and end of each transmission especially where confusion may result if omitted.
2. Identification is a requirement of the FCC. Stations must give complete station identification at least once in every 10 minute operating period, particularly when tactical call signs are being used.
3. Listen before transmitting. Be sure you are not on the air with someone else.
4. Know what you are going to say before you push the mike button; in other words, engage your brain before you put your mouth in gear.

5. Hold the transmit button down for at least a second before beginning your message to insure that the first part of your message is not cut off.
6. **TALK ACROSS THE FACE OF YOUR MICROPHONE.** This technique makes the communications more understandable. In other words, hold the face of the microphone almost at a right angle to your face.
7. Speak slowly, distinctly, clearly, and do not let your voice trail off at the end of words or sentences. Give each and every word equal force. For some this takes a lot of practice and conscious effort but do it.
8. Never acknowledge calls or instructions unless you understand the calls or instructions perfectly. If you do not understand, ask for a repeat.
9. When you have understood the message, acknowledge the receipt with the words "I copy", "received" or "acknowledged". The word(s) "copy" or "I copy" is preferred and **NEVER** the Q-signal "QSL".
10. The word "break" is never used **EXCEPT** when you have emergency traffic. Give your call letters to access a net.
11. Always acknowledge calls and instructions. Nothing is more disruptive to the smooth flow of communications than dead silence in response to a message. If you cannot copy or respond to a call immediately, then tell the caller to say again or standby. Otherwise, acknowledge each call immediately.
12. Under stress, many operators have a tendency to talk too fast. **ACCURACY FIRST, SPEED SECOND.**
13. At times, radio conditions are poor and words must be overly exaggerated to be understandable. In general, speak very slowly and distinctly to carry through the interference.
14. If you are relaying a message for another station, be sure you repeat the message exactly, word for word as it was given to you. If it makes no sense to you, get an explanation before you put it on the air. If necessary, refer the message back to the originator for clarification.
15. There is no place for "Q" signals during official and emergency communications. They are too easily misunderstood, rarely save time and often result in errors.

See ARES/RACES Page 8

Good Old Days

By Dick Hughes, W6CCD

We often hear people talk about the “Good old days”, which is more often than not a failure of our memory to remember things as they really were. For me, there really were “Good old days” when it comes to ham radio in the 50’s and 60’s.

The hams of today have no idea what things were like back then. There was no Internet. No HT’s or computers. Very little VHF at all, except for some converted military radios and some super-regenerative transceivers that were poor at best. Even without those things, the 50’s and 60’s really were the golden days of amateur radio. A ham ticket could actually get you a job back then. Making a DX contact was an accomplishment, not an everyday, ho-hum experience.

The part of that era that is most memorable to me was the ham radio stores. We didn’t have Ebay, and very few swap meets, so radio stores like Henry Radio were ham radio nirvana. Picture rooms full of used equipment. And not just one of something. There would be many of the same models to choose from. Everywhere you looked there were hundreds of gems of the time just waiting for you to wonder how you could pay for one and make it your own. Unlike the often junk you see at a swap meet, these were radios in prime condition that were guaranteed to work, and could be returned if they didn’t.

Imagine if you can all those Collins, Drake, Gonset, Multi-Elmac, E.F Johnson, Heathkit, Morrow, Hammarlund, Meissner, Hallicrafters, National, RME, Swan and others who no longer make ham gear, and most of which are no longer in business. Today’s radios from Japan are far superior technologically, but they have no soul like those radios. A recently licensed ham would find it difficult to conceive of the lust in seeing a half-dozen Collins KWM-1’s sitting on the shelf waiting for a new owner.

My favorite thing to do back in those old days was to load up the family and drive to Henry Radio on Olympic Blvd in Los Angeles, and spend a couple of hours wandering through the maze of used and new equipment. Of course the family didn’t get much out of it. I would liken it to a mini-trip to the Smithsonian today. I really miss that part of ham radio, and know that it will never return. Still have the memories though. ■

• ARES/RACES (Continued from Page 7)

16. Do not act as a relay station unless Net Control or another station asks for a relay and you can fulfill the requirement with your station.
17. When transmitting numbers (house numbers, street numbers, telephone numbers, etc.), always transmit number sequences as a series of individual numbers. Never say numbers in combination.
18. If a proper name needs to be transmitted, always spell it out using the ITU phonetic alphabet. Do not use cute or self-invented phonetics. There is no place for them in official and emergency communications. Avoid using the phrase “common spelling” as it may cause confusion.
19. **ONLY TRANSMIT FACTS.** If your message is a question, deduction, educated guess or hearsay, identify it as such. Do not clutter up the air with non-essential information. Be careful what you say on the air. There are many ears listening. Many facts will be taken out of context even when carefully identified.
20. If you do not understand the whole message given to you or if you missed a word out of the transmission, reply with “say again”. Do not say “please repeat” because it sounds too much like the word “received” when conditions are poor.

(Continued next month)

PUBLIC SERVICE COMMUNICATIONS....

At this time, the Whiskey Row Marathon is our next scheduled Public Service Communications event. It will be held on Saturday, May 5, 2007 and is an early morning event with some stations being on location as early as 5:15 a.m. Please plan on signing up for this event. There will be a ‘sign up sheet’ at the March and April YARC meetings. Our communications support on this event is so valuable to the YMCA that the Yavapai Amateur Radio Club is considered a major sponsor with the YARC logo on the event banner as well as on event t-shirts. Providing Public Service Communications is an excellent way to hone and fine tune our emergency response capabilities. Plan to take part. 18 to 20 operators are needed for the event, but the more we have sign up the better chance we have to assign two operators to a location. ■

Lloyd, WA6ZZJ

Hi!

My name is Rick Aldom, and I am the chair of the 2008 Southwestern Division Convention to be held in the greater Phoenix area. I am writing to all the area clubs to solicit candidates to be on the convention committee.

These individuals need to be self starters, know how to develop their own teams and in short, be able to hit the ground running. I know there are a bunch of skilled people in Arizona who can help make this convention a huge success.

With the technology available to us, I will try to limit the in person meetings to as few as possible to reduce the cost of commuting. I expect much of this project will be accomplished by email, with once a month or every other month in person meetings.

As of this time, the committee has the following positions filled:

Chair	Rick Aldom - W7STS
Co-Chair	Brian Romine KC5CAY
Registration	Jim Hoff - N7XXX
Web Design	Jim Hoff - N7XXX

I am looking for the following:

- Programs
- Finance
- Marketing
- Prizes
- Hotel Operations
- Flea Market
- Exhibitor Operations
- Legal

As in the past, volunteers will "earn" a percentage of the profit for their respective (or designated) clubs as follows:

50% of the profit will be divided between all the committee members for their club or designate.

50% of the profit will be shared as a percentage of hours worked by each club by all members who participate.

If you know of someone who would do a good job in one of these roles, please have them drop me an email with a short bio/resume. This is a time sensitive issue, we have some time critical issues to resolve, and I need to have a committee to do so.

Thanks a bunch for your help.

Cheers
Rick

BURMA-SHAVE

AT SEVENTY-FIVE

WHO PASSED ON A HILL

IS NOW ALIVE

HARDLY A MAN

How many of you remember driving down a two-lane road in a Studebaker or Hudson, looking for the little red signs with the catchy rhymes? Before there were Interstate highways, when you drove down country roads, Burma Shave posted signs in farmer's fields. They appeared, usually in groups of five or six, small red signs, spaced about 100 feet apart. Each had one line of a rhyme, concluding with the last sign bearing the name of a then popular (and still existent) shaving cream. These signs provided amusement for several generations of car-bound kids.

Some examples of Burma Shave signs:

She kissed	Approached
The hairbrush	A crossing
By mistake	Without looking
She thought it was	Who will eat
Her husband Jake	His widow's cooking?
<i>Burma-Shave</i>	<i>Burma-Shave</i>

Life is sweet	The chick
But oh how bitter!	He wed
To love a gal	Let out a whoop
And then	Felt his chin and
Not git'er	Flew the coop
<i>Burma-Shave</i>	<i>Burma-Shave</i>

At school zones	Don't lose
Heed instructions!	Your head
Protect	To gain a minute
Our little	You need your head
Tax deductions	Your brains are in it
<i>Burma-Shave</i>	<i>Burma-Shave</i>

A man	The bearded lady
A miss	Tried a jar
A car--a curve	She's now
He kissed the miss	A famous
And missed the curve	Movie Star
<i>Burma-Shave</i>	<i>Burma-Shave</i>

Simple Technique for Measuring Capacitance and Inductance

By Jim Clark, N5RO

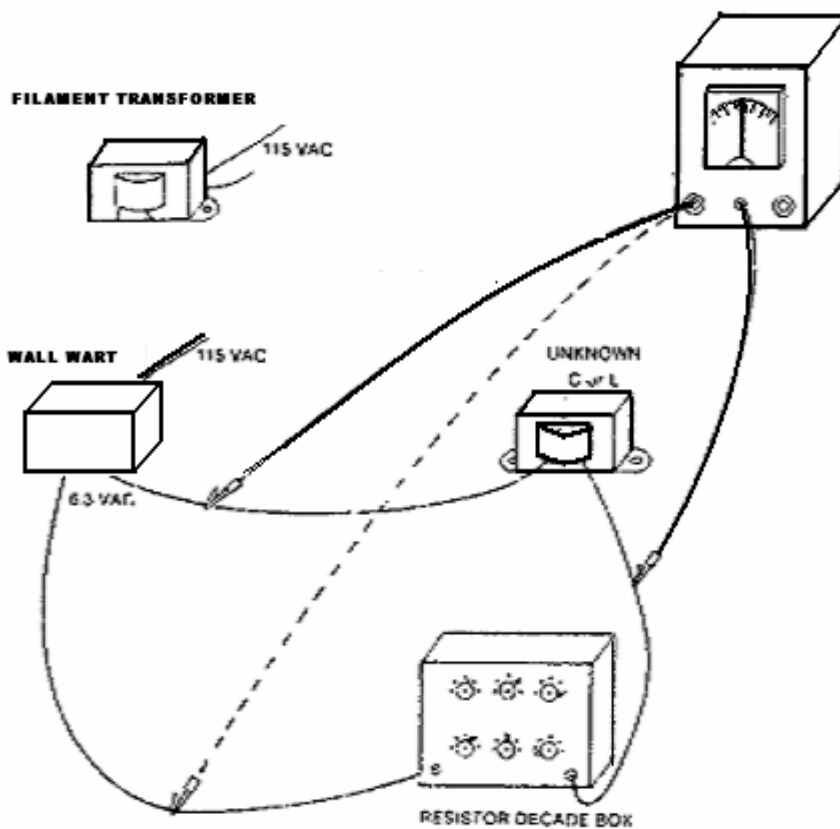


Figure 1: Place your capacitor or inductor at the point marked UNKNOWN C or L

With the same setup that was just explained, here's how to determine the value of an inductor. However, in this case you want to use the formula $L = X_L / 376.8$. Let's say that you have a reading on the resistor decade box of 8,000 ohms. Simply divide 8,000 by 376.8. Your calculations should give you 21.23 henrys. These formulas are based on the 60 Hz line current used to excite the test circuit. ■

If you're an electronic homebrewer (electronics not beer) or tinkerer and find some questionable parts in your junk box, you can use a resistor decade box and an old wall wart or an old discarded tube filament transformer to check the value of a capacitor or inductor. See Figure 1 for the setup. If you don't have a resistor decade box and do any electronic construction or troubleshooting at all, you may wish to consider constructing or acquiring one. We found this circuit among our old notes – might have come from an old Radio Amateurs Handbook.

To find the value of an unknown capacitor, place the resistor decade box in series with the capacitor, as shown in the figure and excite the circuit with the 6.3 AC voltage. Now, adjust the resistance until you measure the same voltage across both the resistor and capacitor. Read the value of the resistance; this is equal to the reactance of the capacitor. The final step is to calculate the value of the capacitor by using the formula $C = 2.65 \times 10^{-3} / X_C$. For example, if the resistor decade box reads 5 k ohms, $C = 2.65 \times 10^{-3} / 5,000 = 0.53 \mu\text{f}$.

Watching Rose Parade at Erika's Home

A veritable feast awaited the lucky YARC members and their spouses who accepted Erika, KI7JZ's invitation to watch Bob, WB6ODR and his XYL, Linda, KD7EEO and their horses perform in the Rose Parade on January 1st. A seemingly unlimited variety of appetizers, hot and cold food, beverages, and desserts complemented the wonderful hospitality and comfortable surroundings that Erika provided. With television sets throughout her home, the Rose Parade could be watched with ease.

The "Petite Elite Miniature Horse Team" made a brief appearance as entry #47.



A Sample of the Delicacies Offered to Guests

See Parade Page 11

CQ DX de YARC – FEBRUARY 2007

By Dick Diddams, W7QHE

DATE		DXCC ENTITY	CALL	QSL VIA	REPORTED BY	INFORMATION	-- MONTHLY HIGHLIGHTS -- TOKELAU – ZK3 NOT IN THE 100 MOST WANTED Tokelau is a non-self-governing colonial territory of New Zealand that comprises a group of three tropical coral atolls in the South Pacific Ocean. The islands are occasionally referred to by Westerners by an older colonial name, <i>The Union Islands</i> . Until 1976, the official name was <i>Tokelau Islands</i> . According to the CIA list of countries by GDP (PPP) it has the smallest economy of any country in the world. The size of Tokelau is about 17-times the size of the Mall in Washington D.C. with a population of less than 1400. Tokelau was originally settled by Polynesians migrating from other island groups. The Islands were originally fragmented into 3 separate chiefdoms with their own separate dynasties. These were all abolished on 29th January 1916. The islands became a British protectorate in 1889 and then were annexed to the British colony of the Gilbert and Ellice Islands in 1916 and then transferred to New Zealand administration in 1926. By the Tokelau Act of 1948, sovereignty over Tokelau was transferred to New Zealand. Defence is also the responsibility of New Zealand. However, the Tokelauans are drafting a constitution and developing institutions and patterns of self-government as Tokelau moves towards free association with New Zealand, similarly to Niue and the Cook Islands.
START	END						
Now	Feb03	Niger	5U5U	See Info	425DXN 20061216	By 5U5U; all bands; SSB	
Now	Feb11	Tunisia	3V8SS		OPDX 20061225	By GM0DHZ; 80-10m, perhaps 160m; CW SSB	
Now	Feb02	Maldives	8Q7AK	G7COD	OPDX 20061218	By G7COD fm Embudu Is (AS-013); 30-12m; mainly SSB, some CW	
Now	Feb23	Madagascar	5R8HG	DK2WV Buro	DL1MUC 20070108	By DK2WV; HF; amplifier; dipoles	
Now	Feb06	Paraguay	ZP	KA2AEV	KA2AEV 20070119	By N3BNA as ZP6/N3BNA & ZP9/N3BNA; 80-160m	
Now	Feb06	Virgin Islands	KP2ZZ	G4OOC	OPDX 20070108	By KI7VR fm St Croix (NA-106); CW on 160 80m nights, 30 20 17m days	
CQ 160-Meter, CW Contest, CW (Jan 27-28, 2007)							
Now	Feb06	Montserrat	VP2M	NE1RD	NE1RD 20060904	By VP2MFF 160-6m; CW SSB PSK31 RTTY SSTV	
Now	Feb05	American Samoa	KH8		F5NQL 20070104	By YT1AD as KH8/YT1AD	
Now	Feb10	Cambodia	XU7XRO	M5AAV	VA3RJ 20070106	9M6XRO fm Sihanoukville; CW SSB, possibly digital	
Now	Feb15	Djibouti	J20	I2YSB	W3LPL 20061109	By I1HJT fm, Oucha Is (AF-053); 160-10m; SSB CW RTTY	
Feb02	Feb10	Algeria	7W0	DB1JAW Direct	DB1JAW 20061217	By DB1JAW DK5MH as 7W0JAW & 7W0MH fm northern Sahara; 80-10m; mainly SSB	
Feb03	Feb22	Tokelau	ZK3RE	HA8IB	425DXN 20070113	By HA9SDA HA9RE fm OC-048; 160-10m; CW SSB RTTY	
Feb05	Feb15	Aves Island	YW0DX	IT9DAA	425DXN 20061209	By YV5SSB begin and end dates are tentative	
Feb05	Feb18	Mauritania	5T5DY	F8PDR	F5NQL 20070112	By F8PDR fm Nouakchott; 80-10m; mainly CW	
CQ RTTY WPX Contest (Feb 10-11, 2007)							
Feb10	Feb20	Dominica	J7	See Info	K5KG 20070117	By J75KG J79VR J79WI J79XX J79IU; 160 80m; CW SSB	
Feb11	Feb24	Haiti	HH7	KA2AEV	KA2AEV 20070119	By N3BNA as HH7/N3BNA; 80 40m; low power	
Feb12	Feb19	British Virgin Islands	VP2V	AK0M	AK0M 20061005	By AK0M fm Anegada (NA-023); callsign TBD	
Feb13	Feb27	Netherlands Antilles	PJ4	K4BAI	K4BAI 20061226	By KU8E K4BAI as PJ4/homecall; 160-10; mainly CW	
Feb15	Mar03	Norfolk Island	VK9N	DJ2MX	DL1MGB 20061217	By DJ7EO fm OC-005; 160-10m, low bands; CW SSB RTTY	
ARRL International DX Contest, CW (Feb 17-18, 2007)							
Feb21	Feb28	Montserrat	VP2M	G3SWH	425DXN 20061118	By G3SWH G3RTE fm NA-103; 160-10m; mainly CW	
Feb24	Mar02	Bahamas	C6A	LotW	W2IRT 20061220	By W2IRT N2YTF homecall/C6A; 40 20 17m; SSB CW RTTY	
Feb25	Mar25	St Maarten	PJ7	W8EB	W8EB 20070110	By W8EB W8DVC; PJ7/homecall; 160-10m; SSB CW PSK31 RTTY	
Feb26	Feb27	Samoa	5W0RE	HA8IB	425DXN 20070113	By HA9SDA HA9RE fm OC-097; 160-10m; CW SSB RTTY	

● Parade (Continued from Page 10)

However, we were unable to witness any of the group's skillful maneuvers, as they passed by the HGTV camera.



Thanks Erika, from all who attended, for inviting us into your home. ■



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,

2nd Floor; above Bank of America)

informal – all are invited

* Location data (per WGS84) provided

by Fred Zimmermann, N7PJM

Area Repeaters

Frequency	PL	Location	Owner/Club	Auto-Patch	Rem. BaseOr Linked	Vo IP	Notes:
52.560-	100.0	Mt. Union	N7NGM			Echo	-500KHz Offset
53.040-	None	Prescott Airport	WB7BYV				-1MHz Offset
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				
147.040+	100.0	Prescott Heights	W2YAV				
147.140+	162.2	Flagstaff/-Mt. Elden	ARA		Linked to Mt. Ord 147.360-		
147.220+	162.2	Mingus Mtn	VVARA				
147.260+	103.5	Mt. Union	ARES/RACES				
442.150+	100.0	Mingus Mtn	W1OQ/Northlink				
442.350+	100.0	Glassford Hill	N7KPU			IRLP	
448.475-	100.0	Flagstaff-Elden	ARA	Yes			
448.500-	100.0	Prescott	KB6TWC	Yes	RB to White Tank 146.940		E-mail owner for instructions
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. 927.3875		
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 of 100.0 Hz**

For more Repeater Information & Listings refer to:

- www.w7ara.org/Web/
- www.azrepeaters.net
- 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 Bob Smith, WB6ODR, our Webmaster

