

Watt's Up

*Newsletter for the Umpqua Valley
Amateur Radio Club
P.O. Box 925 Roseburg, OR 97470*

October 2009

*Watt's Up Staff: Editor-Wayne W9AE Publishing-Russ, W7DUR
E-Mail Distribution, Dick, AA7GC*

President

Jim, WA6KHG

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2nd Vice President

Wayne, W9AE

Secretary

Russ, W7DUR

Treasurer

Jerry, K7ETU

Member-at-Large

John, KE7LDZ
Doug, WB6MFV

Club Call Signs

**KC7UAV
KC7TLY**

ARES Nets

Douglas County ARES
145.430 repeater
Mondays at 7 PM
District 5 ARES
3964 kHz
Mondays at 6:30PM
State ARES
3964 kHz, first/third
Tuesdays at 7 PM.

President's Message

Greetings to all of the UVARC members.

At our October meeting we will nominate club officers for the coming year. Be sure to attend if you have some input on this.

At the September meeting we had a great raffle and the repeater fund increased by \$112.00. I think almost everyone went home with a few goodies and I think everyone had a good time. Thanks to everyone for their part in supporting the raffle. This sure goes a long way in keeping the repeaters up and running.

In the repeater department the 146.900 Lane Mt. repeater is running well. The 147.120 Boomer Hill repeater is working better than it ever has. I worked a station on it from the mobile parked in Idleyld Park at the Trading Post. The DC packet node 144.930 is working great.

We had a nice turnout for the Technician classes at the Red Cross. We hope to hear some new Hams on the air shortly after the next VE testing session. Maybe we will see a few of them joining the club.

The next VE session is October 14, 2009 at 6:00 P.M. at the courthouse in Room 310. Don't forget to bring a copy of your original license if you are upgrading. You also need some form of acceptable identification. The new VEC license fee for 2009 is \$15.00. Cash or a check made out to ARRL is acceptable.

Jim WA6KHG

Richard Harvey, KC7DRB, Silent Key



Richard became a SK on September 22, 2009. He was an active member of UVARC for several years and was the 1997 Ham-of-the Year. Rich developed the first web page for the club and maintained it for several years. He was very active in the Douglas County Search and Rescue.

** EARLY-BIRD **

It's time to be thinking about 2010 and your club membership renewal. Members are encouraged to submit their Early-Bird contest applications. As in the past, the winner will receive his or her (or family) membership for 2010 free. Either the paper or on-line membership application form may be used.

MEMBERSHIP 2009

As of October 1, 2009 membership is 79.

Please take the time to review your information and notify me of any corrections or changes.

I may be reached via:

1. E-mail: aa7gc@arrl.net
2. Telephone: (253) 631-3467
3. Regular Mail: 15823 SE 254th Pl., Covington, WA 98042-4183

73, de Dick, AA7GC, Membership

** NEW MEMBER **

W7ORX, Michael Dunn,
PO Box 1027, Drain, OR 97435,
541-580-0682, E-mail: mikedewd@gmail.com

UVARC REPEATERS

146.900-, PL 100 (Lane Mountain)

147.120-, PL 100 (Boomer Hill)

PACKET

Node - 144.930, DC:WB6RHW-1

UVARC Web Page

<http://aa7gc.net/uvarc/>

NOTES:

1. Watt's Up is **on line** in the UVARC web Page. It may be viewed in PDF format.
2. Members **E-mail addresses** are on the web page as a link. Password required.
3. The **club roster** is included in the web page as a link. Password required.
4. Club **constitution** is available as a linked page.
5. Back issues of **Watt's Up** are available through the club web page in PDF format.

VE Testing in Douglas County

Testing sessions are affiliated with the ARRL. They are scheduled the second Wednesday of even months except August. Sessions are held in Roseburg at the Douglas County Courthouse, room 310, 6 PM.

ARRL VEC Test Fee for 2009 is \$15.00

This fee is charged once, no matter whether taking any one, two, three or all four test elements, one time. Retests of an element failed at the same test session will require payment of an additional test fee.

Testing Dates

Second Wednesday of each even Month

February 11

April 8

June 10

August - None

October 14

December 9

For further information contact **Jim WA6KHG**,
at (541) 496-2262



SUNSHINE

If you hear of someone who is ill or in the hospital, please let me know. Also notify me of any silent keys.

Russ Nelson, W7DUR, at 440-3840

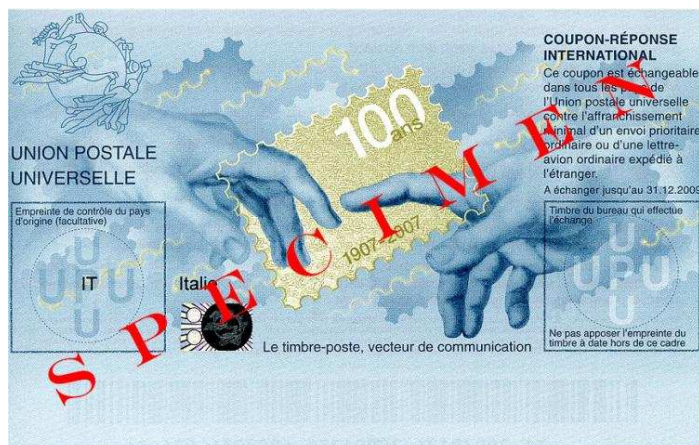
IRCs: Out with the Old, In with the New

It is now time to start dumping your old International Reply Coupons (IRCs): The "[Beijing Model No 2](#)" must be redeemed before December 31, 2009.

According to [The Daily DX](#) editor Bernie McClenny, W3UR, many QSL managers are now only accepting the new [Nairobi Model IRC](#), so he advises that it is now time to start getting rid of the old IRCs and not get stuck with any! The [new IRC](#), available in the US since September 10 and elsewhere since July, costs \$2.10 each in the US. For those in the US who will be exchanging the old version of IRCs for new ones, [USPS Bulletin #22267](#) advises postal workers to tell customers "to exchange IRCs that expire on December 31, 2009 for the new IRC version (Item 330800) or for other postage stamps. Retail associates (RAs) can exchange unused US-issued IRCs for \$0.01 less than the value of the IRC. (The amount to exchange is the printed price of the IRC along with any additional postage affixed minus one penny.)"



The Beijing Model No. 2 IRC (above) must be redeemed before December 31, 2009. The Nairobi Model IRC (below) is now available at post offices and expires in 2013.



Amateur Radio Quiz: Way Back Wireless

By H. Ward Silver, N0AX

- 1) What electrical function was performed by a "slop jar"?
 - a. Accumulate grid leaks
 - b. Rectify ac
 - c. Artificial ground
 - d. Transient clamping
- 2) Poulsen invented what device used in early transmitters?
 - a. Multiplier
 - b. Transformer
 - c. Arc
 - d. Tuner
- 3) What type of device was the "audion"?
 - a. Vacuum tube
 - b. Speaker
 - c. Headphones
 - d. Detector
- 4) To what was the nickname "Old Betsy" given?
 - a. Transmitter
 - b. Receiver
 - c. This was the term for "Murphy" before [Murphy's Law](#) was popularized.
 - d. QRN
- 5) Who is most widely credited with first describing vacuum-tube rectification?
 - a. Hertz
 - b. Maxwell
 - c. Armstrong
 - d. Fleming
- 6) Who invented the "single-signal" crystal filter?
 - a. Armstrong
 - b. Lamb
 - c. de Broglie
 - d. Marconi
- 7) A "TRF" is a type of what?
 - a. Antenna
 - b. Battery
 - c. Early coaxial connector family
 - d. Receiver
- 8) In a spark transmitter, what determined the strongest wavelength of the transmission?
 - a. Antenna system
 - b. Rotational speed
 - c. Gap spacing
 - d. All wavelengths were of equal strength
- 9) What was the original name for radio waves?
 - a. Cathode rays
 - b. Ethereal waves
 - c. Alpha particles
 - d. Hertz or Hertzian waves
- 10) Who discovered the electron and in what year?
 - a. J J Thomson (later, Lord Kelvin) in 1897
 - b. Dimitri Mendeleev in 1859
 - c. Ernest Rutherford in 1915
 - d. Albert Einstein in 1904

Quiz Answers

1. b -- Consisting of strips of dissimilar metals in a caustic lye solution, you can see where the rectifier got its name.
2. c -- A Poulsen arc, also called an arc converter, converted dc into RF.
3. a -- A triode amplifier, manufactured by Lee DeForest.
4. a -- Old Betsy was Hiram Percy Maxim's rotary spark-gap transmitter.
5. c -- Fleming made use of the Edison Effect to create the first electronic device, the thermionic diode.
6. b -- Lamb applied the quartz crystal as a filter to limit receiver bandwidth.
7. d -- Tuned Radio Frequency receivers preceded the superheterodyne.
8. a -- The combination of the antenna's natural resonance and the coupling circuit from the spark gap acted formed a low-Q tuned circuit.
9. d -- For the physicist Hertz who conducted the first experiments with electromagnetic waves in 1887.
10. a -- Only four years later, Marconi spanned the Atlantic, 14 years before the discovery of the atomic nucleus!

September 17 Meeting Minutes

23 present. Jim opened meeting.

Roll Call with member name and call sign.

Reading of minutes. Treasurer's report. Repeater fund \$84.00

BLM and Counsel have OK'd the repeater site building. - needs signing.

Jerry KB7WDR, suggested the club send Fred Meyer check for electricity for this quarter.(3 months).

Search and Rescue made trips around county looking for Mr. Borg. No results. He was found the next day east of Sutherland.

License study at Red Cross on Alameda St .Sept 24 and 25 (Thurs-Fri)

VE testing Oct 14 in Court house Rm 310.

Jerry-KB7WDR won drawing for CQ magazine.

The raffle of electronic items raised \$110- This will go to Repeater maintenance fund.

No further business--adjourned.

Russ, Sec.

HAM-OF-THE-YEAR

It's that time of the year again. We need your letters nominating your choice for the Ham-Of-The-Year Award to be presented at the December meeting. Your nominations forms may be given to any of the officers at the October meeting or mailed to UVARC PO Box 925, Roseburg, OR 97470.

There are 79 members in the club, many who are good ambassadors for amateur radio and who work quietly in the background (not only this year, but in past years too) for the good of the club. This is our opportunity to recognize and honor one of these unsung heroes. All it takes is some thought and a short letter to the selection committee (the last three recipients).

The award is based on the following guidelines:

- ☺ Someone in the club whom you think is an "ideal ham".
- ☺ Someone who promotes amateur radio and uses good operating practices.
- ☺ Does more than asked.
- ☺ Someone who works quietly in the background and is always there when needed.

The guidelines and nomination form are available for review and downloading from the club webpage: A copy of the nomination form is attached to this newsletter.

<http://aa7gc.net/uvarc/>. Deadline for nominations is the November meeting.

Editor's Notes

- If you want to be in the UVARC Spotlight, send pictures of your shack, antennas, or mobile setup to w9ae@charter.net. Please also send any club news, pictures, etc.



*Just a reminder: If you have e-mail capability, Let Russ, W7DUR know!
you'll be able to see all pictures in color and save money for the club !*

October 2009

Sun Mon Tue Wed Thu Fri Sat

				1	2	3 Club Breakfast Rsbg IHOP 7AM
4	5 DC ARES net 6:30 PM 145.430 rpt	6 Oregon state ARES HF net 3964 kHz, 7 PM	7 UVARC net 7 PM 146.90 rpt	8	9	10 Club Breakfast Rsbg. IHOP 7 AM
11	12 DC ARES net 6:30 PM 145.430 rpt	13	14 VE Testing 6PM courthouse Rm 310	15 Club Meeting 7PM court house Room 310	16	17 Club Breakfast Rsbg IHOP 7AM
18	19 DC ARES net 6:30 PM 145.430 rpt	20 Oregon state ARES HF net 3964 kHz, 7 PM	21 UVARC net 7 PM 146.90 rpt	22	23	24 Club Breakfast Rsbg IHOP 7AM
25	26 DC ARES net 6:30 PM 145.430 rpt	27	28 UVARC net 7 PM 146.90 rpt	29	30	31 Club Breakfast Rsbg IHOP 7AM

ON-LINE FORM AVAILABLE ON
CLUB WEB PAGE

UMPQUA VALLEY AMATEUR RADIO CLUB, INC EARLY-BIRD—Membership Application (2010)

ON-LINE FORM AVAILABLE ON
CLUB WEB PAGE

NAME _____ CALL SIGN _____ LICENSE CLASS _____

STREET _____ CITY/STATE _____ ZIP _____

ARRL MEMBER YES [] NO [] E-mail Address _____

Other names at your address desiring family membership

NAME _____ CALL SIGN _____ LICENSE CLASS _____ ARRL MEMBER YES [] NO []

NAME _____ CALL SIGN _____ LICENSE CLASS _____ ARRL MEMBER YES [] NO []

Please show names the way you want them to appear in the roster

HOME PHONE _____ RECEIVE YOUR NEWS LETTER BY: U.S. MAIL [] OR E-MAIL (PDF) []

RENEWAL _____ *AMT. ENCLOSED _____ DATE _____ **DATE OF BIRTH (STUDENTS)** _____

SPOUSE'S NAME _____ SIGNATURE _____

Membership dues are \$10.00 for individuals and \$5.00 for each additional family member living at the same address per calendar year. Associate membership dues are \$5.00. Dues are prorated (NEW members only): Jan - Mar \$10/5 (each additional member); Apr - Jun \$7.50/3.75; Jul - Sep \$5/2.50; Oct - Dec \$2.50/1.25. Membership is free for **Licensed** students, 18 and younger. Make checks payable to: **UVARC, PO Box 925, Roseburg, OR 97470.**