



Watt's Up

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

August 2014

*Watt's Up Staff: Editor, email distribution -Wayne W9AE
Paper distribution-Russ, W7DUR*

President

Jim Stuntz KF7FIB

1st Vice President

Lynn, W7HDU

2nd Vice President

Rick, W7DFV

Secretary

Russ, W7DUR

Treasurer

Jim AE7QK

Member-at-Large

Steve, KF7UBQ
Hutch, KE7JFQ

Club Call Signs

**KC7UAV
KC7TLY**

ARES Nets

*Douglas County ARES
146.900 repeater
Mondays at 7 PM*

*District 5 ARES
3964 kHz
Sundays at 5:30 PM*

President's Message

Greetings to all UVARC Members and Guests.

The July meeting of the club was another event filled with business and fun. We had 27 members and guests sign in on a warm July evening. I wish to thank everyone who attended and made this meeting a great one.

June was a sad month for the club, we lost Jim Zurcher, WB7OTM, a longtime member of the club and Community. He will be greatly missed for his contributions to the Club and Ham Radio. Jim was a Lifetime Member of ARRL, and one of the club's original members.

Field Day was deemed a great success at Russ Nelson's (W7DUR). We had people camp overnight and from what I hear the Pot Luck was a culinary delight. The Club made quite a few contacts, Wayne Estes (W9AE) logged a solid contact with the International Space Station which was enjoyed by everyone. I was on the 10M GOTA station and logged my first ever HF contact with the Maui Amateur Radio Club.

Several months ago it was suggested the club start a HF net and members picked the frequency at random. Several members thought we should be on 10 meters to open the net to the Technician Class operators so at random the club picked 28.316 MHz as primary and 28.469MHz as secondary frequency. I have been monitoring the primary and have heard no activity on that frequency, BUT 10M is persnickety and who knows we may have visitors from anywhere. Let's just see what happens and I will post a start date on the website.

Steve Randolph (KF7UBQ) has the Ice Cream Social well in hand and I am reminding everyone that the August meeting is the Ice Cream Social at Singleton Park. The festivities starts at 6 P.M. (1800 hrs) so bring your best dish, drinks and place settings. If you have a flavor request for Ice Cream call Steve or let him know on the Wednesday net what you would like to eat.

With August upon us, I am asking for everyone to be thinking about this falls events with the club. I need a nominating committee for the slate of officers for the elections in November for 2015 leadership. We also need nominations for Ham of the Year which are due by the November meeting. Both of these events are very important and will take some thought.

We will have a presentation at the September meeting on remote operation of radios, so plan to attend. Another reminder is there is a HF Net on Sunday's on 3.964 MHz at 5:30P.M.

Well everyone be safe in the high temperatures outside in these Summer Months. I hope to see a lot of new faces at the August Ice Cream Social and of course see the "old timers".

73's to everyone

Jim Stuntz KF7FIB

UVARC MEMBERSHIP

As of July 18 the club has 71 members.

The renewal form is on the last page.
Online renewal is no longer available.

The August club meeting is a Potluck Dinner and Ice Cream Social at Singleton Park.

6 PM on August 21.

Bring a food dish to share, plus your own plate, utensils, and beverages.

From Garden Valley road northwest of Roseburg, turn left on Curry road and follow it to the end, about 2 miles.

If you have ham equipment to sell, it can be advertised in Watts Up.

Editor's Note

I always need articles about club activities, operating events, etc.

Every member is encouraged to submit articles and photos to w9ae@charter.net

Wayne Estes W9AE



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

UVARC REPEATERS

146.900-, PL 100 (Lane Mountain)

147.120-, PL 100 (Boomer Hill)

PACKET NODE

144.930, DC:WB6RHW-10

New UVARC Web Page

<http://www.uvarc.net>

NOTES:

1. Watt's Up is **online** in the UVARC web Page. It may be viewed in PDF format.
3. The **club roster** (names and callsigns) is online.
4. Club **constitution** is available as a linked page.
5. Recent issues of **Watt's Up** are available 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 2014 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.

2014 Testing Dates Second Wednesday of each even Month

February 12

April 9

June 11

August - None

October 8

December 10

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

July Meeting Minutes

27 present

President Jim KF7FIB opened meeting. Roll call with name and radio call sign.

Reading of June minutes by sec., Russ

Treasurer report by Jim, balance of \$2548.

Motion by Roger, seconded by Bev to accept both reports. Motion passed.

Reports on field day results. Wayne, W9AE, worked on 15 and 10 meters. With over 100 contacts, including contact with the Space Station. Doug, KW6E, worked 20 and 40 meters, with 100+ contacts, 40% by CW. George KE7MVX, sent 18 messages. Steve KB7WDP had 12 contacts by CW. Doug and Wayne stayed until 11 PM. Good signals on Sunday morning.

District 5 ARES Net on 3964 kHz, Sundays starting at 5:30 PM.

Ham-fest and swap meet July 19, at North Bend Middle School.

Coffee and Cookie break.

"Ham of Year" nominations are due anytime through November.

August meeting will be the Ice cream and pot-luck social at Singleton Part off Garden Valley road at 6:00 pm.

No further business- Adjourned.

Sec. Russ W7DUR

How to Find a Repeater

by Wayne Estes W9AE

Below are some hints to help new hams find the best VHF FM repeater for a particular area.

First, consult a web site that is a comprehensive directory of all U.S. ham repeaters, such as

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

From the home page, do a "quick search" for Oregon repeaters to narrow your search to "only" 441 repeaters. From there you can further narrow your search by town, county, highway, band, or other criteria. Below is a screen capture of the search result for Douglas County, Oregon.

Douglas County, Oregon amateur radio repeaters
19 repeater found in Douglas County.

● = On-Air ● = Off-Air ● = Testing ○ = Unknown

Click on the frequency for additional details.
Click on a header to sort.

| Frequency | Tone | Location | County | Call | Use | (m) |
|---------------------------|-------|---------------------------------|---------|--------|------|-----|
| 145.2100- | 136.5 | Roseburg, Chilcoot Mountain | Douglas | WA6RHK | OPEN | ● |
| 145.3900- | 88.5 | Glide, Chilcoot Mountain | Douglas | WA7BWT | OPEN | ○ |
| 145.4300- | 88.5 | Glide, Scott Mountain | Douglas | WA7BWT | OPEN | ● |
| 146.7000- | 136.5 | Glide, Scott Mountain | Douglas | | OPEN | ● |
| 146.9000- | 100.0 | Roseburg, Lane Mountain | Douglas | KC7TLY | OPEN | ● |
| 147.1200+ | 100.0 | Myrtle Creek, Boomer Hill | Douglas | KC7UAV | OPEN | ● |
| 147.1400+ | 136.5 | Mapleton, Roman Nose Mountain | Douglas | W7PRA | OPEN | ● |
| 147.1800+ | 146.2 | Reedsport, Winchester Hill | Douglas | W7OC | OPEN | ● |
| 147.2200+ | | Diamond Lake, Cinnamon Butte | Douglas | K7RBG | OPEN | ● |
| 147.2400+ | 136.5 | Glide, Lane Mountain | Douglas | WA7BWT | OPEN | ● |
| 224.1000- | 114.8 | Glide, Scott Mountain | Douglas | WB7RKR | OPEN | ○ |
| 440.3000+ | 88.5 | Roseburg | Douglas | WB6MFV | OPEN | ○ |
| 440.6250+ | 114.8 | Roseburg, Mount Nebo | Douglas | WA7JAW | OPEN | ● |
| 440.8500+ | 100.0 | Cottage Grove, Harness Mountain | Douglas | W7ZQD | OPEN | ○ |
| 441.8500+ | 100.0 | Roseburg, Lane Mountain | Douglas | K7TVL | OPEN | ● |
| 441.8750+ | 88.5 | Roseburg | Douglas | WB6MFV | OPEN | ● |
| 444.1500+ | 186.2 | Myrtle Creek, Sheep Hill | Douglas | WA6KHG | OPEN | ● |
| 444.6250+ | 91.5 | Glide, Scott Mountain | Douglas | WB7RKR | OPEN | ○ |
| 444.8750+ | 127.3 | Glide | Douglas | WB7RKR | OPEN | ○ |

If you click on a certain repeater you can see useful details such as the elevation, owner, and map location.

You can only use "open" repeaters that don't require a secret access code or tone. Club-owned repeaters usually have more activity than privately-owned repeaters.

At the bottom of the page, note the user rankings of Oregon's Top 25 Local repeaters and Top 25 Travel repeaters.

“Most Unusual Expedition” to Rely on Ham Radio Ended 67 Years Ago from the ARRL web page

Sixty-seven years ago, on August 7, 1947, the maritime mobile station LI2B concluded its journey from South America by washing ashore on an island in French Polynesia. It was better known as the *Kon-Tiki*, a raft constructed largely from balsa logs. Norwegian explorer and ethnologist Thor Heyerdahl wanted to prove that people from South America may have migrated to Polynesia, and he took Amateur Radio along on his ocean journey.

A December 1947 *QST* article, “*Kon-Tiki* Communications — Well Done!” called the trip the “most unusual expedition ever to place reliance on Amateur Radio for communication.” The *Kon-Tiki* departed Peru for Polynesia on April 28, 1947. “It was the theory of Heyerdahl, [the] leader of the venture, that the settlement of the Pacific Islands resulted from a migration of American peoples who had sailed there many of years ago, rather than a trek from Asia as claimed by other scientists,” the *QST* article explained. Much later DNA evidence proved that Heyerdahl’s assumptions were at least partially correct.

The expedition carried three watertight radio transmitters — one for 40 and 20 meters, one for 10 meters, and a third on 6 meters. Each unit used 2E30 tubes, providing 10 W of RF input. (There was back-up radio gear aboard as well.) The *Kon-Tiki* also had onboard a National NC-173 receiver. Dry batteries, which proved problematic during the voyage, and a hand-cranked generator supplied the power. The *QST* article pointed out that proximity of the craft’s deck to salt water and the relatively small protection afforded by the thatched bamboo cabin meant that the radio gear would have to withstand the effects of moisture. As the article explained, C. F. Haddock, W1CTW, and H. A. Gardner, W1EHT, of the National Radio Company engineering staff took these considerations into account when designing and constructing the transmitting gear. The operators were Torstein Raaby and Knut Haugland, neither of whom with ham radio experience but both veteran radio operators.

For 3 weeks following the crew’s departure from Peru, the only radio contact *Kon-Tiki* had was with OBE, the station of the Peruvian Naval School. LI2B kept to a schedule, trying to contact key amateur stations on specified frequencies without success. Finally, on May

20, Harold Kempel, W6EVM, heard and worked LI2B on 14.142 MHz, providing the raft with its first North American contact. By mid-June, LI2B had worked numerous amateur stations, and as the trip progressed, a long-haul network of amateur stations developed. One of the network regulars was W3YA, the Penn State Amateur Radio Club station, which helped relay traffic to the Norwegian embassy in Washington. In the final month of the voyage, the 20 meter transmitter’s crystals all had failed, so the crew re-tuned the 10 meter transmitter to 13.990 MHz, the closest they could get to 20 meters.

One-half hour after being stranded, the *QST* article recounted, LI2B was fortunate to contact ZK1AB on Raratonga, who was asked to communicate with the Norwegian Embassy if LI2B was not heard within the next 36 hours. In his book *Kon-Tiki*, the basis for an Academy Award-winning documentary of the same name, Heyerdahl described the rush to make contact after landing on the reef, including the crew’s despair as the NC-173 slowly dried after getting soaked in the shipwreck, gradually receiving at higher and higher frequencies until eventually settling on a frequency high enough to make contact. The Amateur Radio transmitters still not operational, the operators employed a military transmitter powered by the hand-crank generator. Just before the specified period ended, LI2B contacted W0MNU, who relayed news of the landing, avoiding the need to send out rescue parties.



Knut Haugland and Torstein Raaby aboard the Kon Tiki working with the LI2B radio gear.



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 !

August 2014

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|-----------------------------------|-----|---------------------------------------|--|-----|--|
| | | | | | 1 | 2 Club breakfast 7 AM Denny's Roseburg |
| 3 ARES Dist. 5 net 3964 kHz, 5:30PM | 4 DC ARES net 7 PM 146.900 | 5 | 6 UVARC net 7 PM 146.90 rpt | 7 | 8 | 9 Club breakfast 7 AM Denny's Roseburg |
| 10 ARES Dist. 5 net 3964 kHz, 5:30PM | 11 DC ARES net 7 PM 146.900 | 12 | 13 UVARC net 7 PM 146.90 rpt | 14 | 15 | 16 Club breakfast 7 AM Denny's Roseburg |
| 17 ARES Dist. 5 net 3964 kHz, 5:30PM | 18 DC ARES net 7 PM 146.900 | 19 | 20 UVARC net 7 PM 146.90 rpt | 21 6 PM Potluck/Ice Cream Social at Singleton Park. | 22 | 23 Club breakfast 7 AM Denny's Roseburg |
| 24/31 ARES Dist. 5 net 3964 kHz, 5:30PM | 25 DC ARES net 7 PM 146.900 | 26 | 27 UVARC net 7 PM 146.90 rpt | 28 | 29 | 30 Club breakfast 7 AM Denny's Roseburg |

ON-LINE FORM AVAILABLE ON CLUB WEB PAGE

UMPQUA VALLEY AMATEUR RADIO CLUB, INC

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.**