

# WATT'S UP

News Letter for the Umpqua Valley  
Amateur Radio Club

P.O. Box 925 Roseburg, OR 97470

**JANUARY 2004**

Watt's Up Staff: Editor, Charlotte, AC7XM - Publishing, Russ, W7DUR

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**Club Call Signs**

KC7UAV

KC7TLY

**H a m o f t h e  
y e a r i s :**



**JERRY  
HATHAWAY,  
K7ETU**

**CONGRATULATIONS!!!**

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### Minutes of the Meeting

No actual meeting took place but a good turnout for the Christmas dinner at Carlos in Winston.

After our meal we met at the Nazarene Church facility to exchange presents.

A good time was had, count of 24 people

Sec Russ, W7DUR



Room 310 at the courthouse has a working phone. The number is 440-6247. Use is for those who don't have cell capabilities and need to be reached by a family member. As the phone belongs to the courthouse, please limit calls to emergencies only.

### President's Message

*Happy New Year to all UVARC Club Members, We are still in the process of signing up volunteers for various club activities/ chairmanship positions so if you would like to help your club please consider and volunteer for any of the below tasks.*

*Refreshment Chairperson- Assigns a club member to bring goodies and make coffee for each club meeting "you don't have to do it yourself just delegate the task each month.*

*Field Day Chairman-- Coordinate all the activities for our June Field Day Event the last full w/end in June and send in the Field Day REPORT.*

**ICE CREAM SOCIAL EVENT**  
*CHAIRPERSON-- Select a Park or Fairgrounds to hold the event and arrange for the activities for the same. This event will occur on Thursday, the third Week of August 2004*

*Please, help your club and volunteer for one of these positions and also send me any suggestions you think would make the club more enjoyable to you. We will try to have some good meeting programs for you this year.*

*Last item is we have a club breakfast meeting every Saturday morning at the Sisters cafe in Winston, OR. at 0730 am lasting about 1.5 hours. come and put ur 2 cents in and enjoy getting to know your other club members better. Please send any comments to me at [k7azw@arrl.net](mailto:k7azw@arrl.net) or call me on the land line. My phone number is on the club roster.*

**Signed, Lee K7AZW**

## VE TESTING

DOUGLAS COUNTY

**Roseburg** even months - \***Tri City** odd months

\*Note: Testing at Tri City requires preregistration. **NO "Walk-ins" please.**

### Testing Locations:

**Roseburg:** DC Courthouse, Room 310.

**Tri City:** Tri City Veteran's Memorial Building,  
252 Old Pacific Highway

### TESTING DATES

ODD Months	EVEN Months
<b>7:00 PM</b>	<b>6:30 PM</b>
01/14	02/11
03/10	04/14
05/12	06/09
07/14	No testing in Aug.

#### For further information call:

Even Months - Mel, **AB7DC**, 672-5884

Odd Months - Norm, **W0QOT**, 863-7692

## UVARC REPEATERS

- ?? 146.900-, PL 100 (Lane Mountain)
- ?? 147.120-, PL 100 (Boomer Hill)
- ?? 145.390-, PL 123 (Chilcoot Mountain)

## PACKET

- ?? Node - 145.090, DC:AB7DC-1

<http://www.pioneer-net.com/~kc7drb/>

#### NOTES:

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



**Have Something To Crow About??** Submit it to **Watts Up** today, [chailena2@yahoo.com](mailto:chailena2@yahoo.com). **Deadline is the 20th!** Thank you for your support!!!

## Central California Hams Respond to Earthquake

NEWINGTON, CT, Dec 24, 2003--About two dozen Amateur Radio operators aided the American Red Cross in San Luis Obispo County, California, providing radio links between shelters and the ARC San Luis Obispo Chapter office after an earthquake struck Central California on December 22.

"San Luis Obispo ARES/RACES operators were activated by the San Luis Obispo County Office of Emergency Services to help man the county-wide Emergency Operations Center and to provide backup communications support to the Red Cross when the cellular phones proved unreliable following the initial quake at 11:15 AM," said Santa Barbara Section Manager Robert Griffin, K6YR.

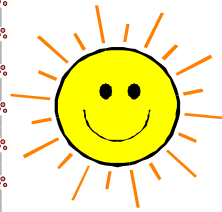
Griffin said the American Red Cross quickly established three shelters: one in hard-hit Paso Robles, another in Morro Bay and a third shelter in the southern part of the county. Hams maintained Emergency Coordination Center stations at the shelters, providing 2 meter links with the ARC San Luis Obispo Chapter office. "About 24 operators were involved. By 10 PM Monday night, the primary ARC communication resources were again reliable, and the ARES net secured," Griffin said.

According to the US Geological Survey, the earthquake was a magnitude 6.5 event. Two people were killed in the town of Paso Robles, about 25 miles from the epicenter. Gov Arnold Schwarzenegger, after touring the area December 23, declared a local state of emergency for the county. (ARRL Website).

## UVARC CLUB MEMBERS!!!

*The Watts Up will be published on the first part of each month in order to give club officers sufficient time to submit items for publishing.*

*Thank you !!!*



## SUNSHINE

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

You may contact Stan, K7SUJ at 672-5826 with any information.

### ISS Gets on the Air with New Ham Gear

NEWINGTON, CT, Dec 22, 2003--Astronaut Mike Foale, KB5UAC, aboard the International Space Station, made a number of VHF contacts with amateurs around the world December 21, utilizing Amateur Radio equipment that was recently installed in the ISS. Foale, the commander of the Expedition 8 crew, has been in space since October with cosmonaut and flight engineer Sasha Kaleri, U8MIR.

A new Kenwood TM-D700E VHF/UHF dual band transceiver was installed two weeks ago in the ISS *Zvezda* Service Module--the crew's living quarters--and the rig was set up for use last week. All that remained was to obtain official permission to use the new equipment, which came late last week. Activation of the new gear means a power boost from 5 W to 25 W for the NA1SS downlink signal, and the additional equipment--which will include a slow-scan television (SSTV) system--opens up new modes of interaction using Amateur Radio from the ISS.

Foale made 2-meter contacts with amateurs in Australia, Europe and North America from 1100 to approximately 1700 UTC. "I was able to hear him from as far out as 1200 miles," reported Arthur Rowe, N1ORC, of Lawrence, Massachusetts. "I guess that the new output power was helping."

"Mike was active on voice over Europe today. I heard him at approximately 1100 UTC and also on the next pass. He had a large pile-up," said Ib Christofferson, OZ1MY, on the SAREX news reflector. Foale's operations were part of a special event honoring Roy Neal, K6DUE, (SK). Stations contacting or monitoring the ISS on voice (NA1SS) or packet (RS0ISS) through the end of December will be eligible for a special event certificate. See

"K6DUE ISS Commemorative Event Certificates" on the ARISS Web site.

ARRIS International Chairman Frank Bauer, KA3HDO, told ARRL that the ARISS Japan Team donated the Kenwood radio to ARISS and made specific hardware and firmware modifications--including limiting its power output to a maximum of 25 W--to get it ready for flight. A Yaesu FT-100 HF/VHF/UHF transceiver and SSTV gear could go up to the ISS in January. ARISS is an international educational outreach program with participation by ARRL, NASA and AMSAT. (ARRL Website)

(\* Editor's note: Our family has been able to hear voice from the ISS, also logged on to packets. For current frequencies in use, check out [www.issfanclub.com/](http://www.issfanclub.com/)

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### Ham radio payloads on high-altitude balloons focus of NASA-TV airing

(Dec 26, 2003) -- NASA-TV will air a program next week dealing with Amateur Radio payloads and high-altitude ballooning. Arizona Near Space Research (ANSR) has announced that NASA-TV will air its program *Introduction to High-Altitude Ballooning* Monday, December 29, as part of its "Education File" program series. It will air at 8 AM, 2 PM, 5 PM, 8 PM and 2 AM (December 30) Eastern Time. "We are one of three programs in the hour-long time slot and are scheduled to start at 30 minutes past the hour," says ANSR President Michael Gray, KD7LMO, who advises that the schedule is subject to change and viewers should check the program listings the day of the airing. NASA-TV is available through DirectTV channel 376, Dish Network channel 213, on many cable systems, non-encrypted C-Band (big dish) satellites and as streaming video from the NASA-TV Web site. The program covers a launch from preparation and liftoff through ascent to more than 100,000 feet and touchdown. "The goal of ANSR is to promote science and education through high altitude balloons and Amateur Radio," Gray says. The program demonstrates use of a voice repeater as a balloon payload as well as Amateur Position Reporting System (APRS) [findu.com](http://findu.com) tracking and Amateur TV. "It also shows how we work with educational groups to promote Amateur Radio," he adds. Visit Gray's Web site for additional information.. (ARRL Website)

## Organizations' Comments Augment Alarm over BPL

Broadband over Power Line (BPL) systems would use low and medium-voltage power lines like these to deliver broadband Internet service to homes and businesses.

NEWINGTON, CT, Dec 30, 2003--Two organizations have filed comments with the FCC that augment previously expressed worries about potential interference from and to Broadband over Power Line (BPL) systems. Picking up the "" the Federal Emergency Management Agency () expressed over BPL December 4, the nonprofit Disaster Preparedness and Emergency Response Association () is calling on the FCC to require impartial BPL field testing as well as additional public comment and full and open public hearings.

"DERA concludes that serious interference to and disruption of critical emergency communications systems in several licensed services throughout North America would almost certainly result from BPL implementation as currently proposed," DERA's comments said. Endorsing FEMA's earlier remarks, DERA said proposed BPL systems don't just pose a risk of interference, they've already been shown to "actually cause harmful interference to licensed radio services."

The Amateur Radio Research and Development Corporation (AMRAD) filed additional with the FCC to support suggesting that BPL systems are susceptible to interference from even modest Amateur Radio HF signals. AMRAD said its data demonstrate that amateur operation in the test neighborhood could cause many homes to lose their Internet service. "At least an area out to a radius of 0.51 miles from the transmitting station could have their Internet connection interrupted," AMRAD said. "Closer-in homes would almost certainly have their Internet service interrupted."

AMRAD conducted an RF susceptibility experiment at the Potomac BPL test site in early November. The site is part of a Potomac Electric Power Company (PEPCO) system test that uses a mid-1960s vintage home with unshielded electrical wiring. The test

neighborhood has overhead power lines.

A Virginia community prepares to go forward with plans to deploy a city-owned BPL network, while a California city has decided against BPL for its own municipal broadband system. [

AMRAD found that at a distance of just over one-half mile, data transfer ceased in the face of a 100-W signal on 3980 kHz from a mobile transmitter. Adjacent to the test property, AMRAD said data transfer ceased in all but one instance at a transmitter power of just 4 W in the BPL operating band of from 4 to 21 MHz.

The ARRL hopes to complete an independent BPL engineering study by early 2004. Its will explore how BPL might affect HF and low-VHF amateur operation as well as how Amateur Radio operation could affect BPL systems.

Additional information about is on the ARRL Web site. To support the League's efforts in this area, visit the ARRL's secure Web site.

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## Canadian Hams May Lose 220-222 MHz Segment

(Jan 2, 2004) -- After studying the spectrum needs of various services over the past 18 months, the Radio Advisory Board of Canada (RABC) plans to recommend to Industry Canada (IC) that the 220-222 MHz band segment be transferred from the Amateur Service to the Mobile Service. The RABC recommended allocating 219-220 MHz to amateurs in Canada on a secondary basis, in harmony with a similar allocation for US amateurs, who lost the 220-222 MHz band segment in 1991. In addition, the RABC asked that IC continue 222-225 MHz as a primary exclusive amateur allocation. It also recommended grandfathering amateur repeaters in the 220-222 MHz segment, to continue operation for a period of time that the IC would determine, and designating 150 kHz of spectrum for the Amateur and Mobile services to share for certain public safety and disaster communication applications. Radio Amateurs of Canada (RAC) has vigorously opposed the proposed changes without success. The RAC has posted additional information on its Web site.--RAC bulletin . (ARRL Website).



# January

## 2004



Sun	Mon	Tue	Wed	Thu	Fri	Sat
				<b>1</b> New Years Day	<b>2</b>	<b>3</b> Breakfast, Sisters' Cafe, Hwy 99 and Cheetah Intersection, 7:30 a.m.
<b>4</b>	<b>5</b> DC-ARES NET 7 PM 145.430 Repeater	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b> Breakfast, Sisters' Cafe, Hwy 99 and Cheetah Intersection, 7:30 a.m.
<b>11</b>	<b>12</b> DC-ARES NET 7 PM 145.430 Repeater	<b>13</b>	<b>14</b> VE Testing, 7:00 P.M. Vet's Mem. Bldg. 252 Old Pacific Hwy.	<b>15</b> Club Meeting 7:30 PM, Rm 310 DC Courthouse	<b>16</b>	<b>17</b> Breakfast, Sisters' Cafe, Hwy 99 and Cheetah Intersection, 7:30 a.m.
<b>18</b>	<b>19</b> DC-ARES NET 7 PM 145.430 Repeater	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b> Breakfast, Sisters' Cafe, Hwy 99 and Cheetah Intersection, 7:30 a.m.
<b>25</b>	<b>26</b> DC-ARES NET 7 PM 145.430 Repeater	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b> Breakfast, Sisters' Cafe, Hwy 99 and Cheetah Intersection, 7:30 a.m.

**UMPQUA VALLEY AMATEUR RADIO CLUB, INC**

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. Students under 18 are free. Make checks payable to: UVARC, PO Box 925, Roseburg, OR 97470.