

The OSCILLATOR

Volume 29 Issue 10
October 2006

Oregon Tualatin Valley Amateur Radio Club

The Oregon Tualatin Valley Amateur Radio Club is a special service club related to ARRL: The National Association for Amateur Radio. We seek to advance the Amateur Radio Service through:

- ⇒ Education and Training of new and licensed amateurs
- ⇒ Public Service and Emergency communication
- ⇒ Hobby nets, contests and meetings
- ⇒ Social events

Membership is available to anyone interested in amateur radio. A license is not required.

KK7TN PARAGRAPHS

Don Stettler KK7TN

The club year is winding down and plans are being made for the grand finale – the Holiday Dinner. Naomi Ballard has agreed to make arrangements. You will remember what a great job she did last year.



The philosophy of the current board is that the club needs to better operate within its financial means rather than rely so heavily on the proceeds from *Sea-Pac*. This comes from

the hard lessons learned over the past several years. For that reason your board has decided that like last year we will be asking that club members pay for the expenses of the Holiday Dinner. Despite this, I am hoping that everyone will come for an evening of fun and camaraderie. My fret is that charging for the evening may keep some members away. I don't want that to happen so please talk to me if that is your situation and we will see what can be done.

As I mentioned in my paragraphs last month, the elections committee is on the hunt for candidates for club officers. Please consider running for office. Most likely this is a cliché to many but please Go to PARAGRAPHS, Page 4

500 kHz Experiment Oregon Connection

ARRL 500 kHz Experiment in Organizational Phase. The project manager for the ARRL 500-kHz experiment, Fritz Raab, W1FR, says The 500 KC Experimental Group for Amateur Radio is still in the organizational stages but has already recorded its first two-way contact. The FCC's Office of Engineering and Technology on September 13 granted Part 5 experimental license WD2XSH to the ARRL on behalf of a group of radio amateurs interested in investigating the LF spectrum.

The two-year authorization permits experimentation and research between 505 and 510 kHz (600 meters) using narrowband modes at power levels of up to 20 W effective radiated power (ERP).

"It will probably be a free for all through October as guys get their stations on the air," Raab told ARRL Headquarters. "The Midwest stations will be limited to 505 to 508 kHz for the time being, and the rest can use 505 to 510 kHz." He said a couple of the WD2XSH participants got on the air the day after the license was issued, and several others activated the first week, generating a number of reception reports.

"Many are for distances of about 300 miles, of course, but some are much longer," Raab told ARRL Headquarters. He reports that W0RPK in Iowa copied the WD2XSH/20 station in Oregon See 500 KHz - Page 4

CLUB MEETING

WEDNESDAY, October 11th

We meet on the second Wednesday of the month at the **Beaverton Elks' Lodge, 3500 SW 104th Ave, Beaverton**. Our program for October 11th will be by **Roger Hayward KA7EXM**, recipient of the W1FB Doug DeMaw Award for Technical Excellence this year by ARRL. See page 48 of the October 2006 QST.

Roger will present a program on "**Portable VHF Hilltopping.**"

Guests are welcome. Come early to enjoy a no-host dinner from the Elks' Buffet, with a new spaghetti dinner available.

See you on October 11th. Bring or invite a guest.

Happy October Birthday

1	Barbara Riley	K6UZW
1	Bob Young	KB7MFD
3	Richard Gosney	W7QMD
13	Steven Sanders	KE7FTD
15	Richard Banton	KD7THV
16	Bud Carswell	KB7NUO
17	Bud Butterfield	KC7PS
22	Sam Senior	N7KJN
22	Ed Pratasiewicz	KE7GXL
22	Richard Welk	KB7EW
24	Tom Hicks	N7UBT
25	Jerry E. Miller	NB7P
28	Carl Clawson	WS7L

LUNCH BUNCH

Join in a great social event

October 28th

1:30 PM

Chang's Mongolian Grill

1935 N.W. 167th Pl.

Beaverton, Oregon

(503) 645-7718

For More Information

call KC7YTD Linda

503.246.8879

OTVARC ADDRESS:

880 NE 25th Ave Ste 2-160
Hillsboro OR 97124-6258

Gordon Bishop KA7RNO SK

Gordon Bishop KA7RNO became a Silent Key on September 21, 2006. Gordon was a life member of OTVARC. He lived at 18265 SWJayLee St. in Aloha. Gordon has not been very active in the club in recent years since a serious brain operation nine years ago.

He was born in 1917 and attended school in Port Angeles WA. He attended Linfield College, McMinnville. Gordon joined the U.S. Navy in 1937 and served in both Atlantic and Pacific theaters during World War II. Following the war he attended University of Washington, graduating in 1946. He remained in the Navy Reserves and attained a rank of Lieutenant Commander when he retired in 1977.

Gordon is survived by his wife, Alice, four children and eleven grandchildren. A memorial service was held on Sept 25, 2006 at Cedar Mill Bible Church.

W7OTV ON SHOUTCAST

The club repeater can now be heard via the Internet! Friends and family can listen to our rag chews, nets, and emergency services via: www.w7otv.no-ip.org:8000/llisten.pls

(Or search www.shoutcast.com for W7OTV.)

The stream is up 24/7 at 48 kbps with a max of 32 listeners. Listening only, no transmit capability.

Tuning in requires Winamp (or compatible) media player. Free to download at: www.winamp.com.

Thank you to the anonymous benefactor for his donation of the radio and to Eagle Eye Computer, Inc. for providing the server, bandwidth and technical support.

73. Frank, K2NCC@arrl.net

Some basic stats will show up here. For the first log, we've had 315 listeners from 23 different countries with a total listener connection time of about 90 hours.

Visitor Statistics - 18 JUL 06 to 19 SEP 06

Location	Listeners	Time
United States	196	3d 02:38:21
Germany	67	12:00:49
Canada	8	01:23:03
United Kingdom	7	00:34:46
Switzerland	6	03:07:34
New Zealand	3	00:42:32
Netherlands	3	00:05:21
Italy	3	00:11:47
Austria	3	00:22:02
Australia	3	00:55:33
Mexico	2	00:03:12
Poland	2	00:12:04
Japan	2	00:02:32

Board Meeting Summary August 23 and September 27

The Board of Directors met on Wednesday, August 23 and September 27 at TVF&R Station 67. Don Stettler KK7TN presided.

Treasurer's Reports were presented by Pat Colton in the absence of Alvin Carlson.

Ron O'Connor reported on the North American QSO Party event. 113 contacts were made, 5,989 points earned. We had 53 multipliers, 32 states, and 3 DX contacts. 8 operators and one logger participated from the club.

Ron O'Connor reported completion of the 2005 Sea-Pac audit. A complete report was delivered to the Board. The committee was thanked for their service and retired. Members were O'Connor, Rick Banton, and Joel Simmons.

Wes Allen reported that the Chahalem Mountain Repeater site was being deactivated by new owners of the site. This is the 146.90 MHz machine used by Washington County ARES, and was originally the OTVARC club machine. Future location is currently unknown. Wes reported on progress to identify interference to the 146.96 MHz Goat Mountain machine from the Seattle area.

Everett Curry reported on proposed revisions of the Life Member status as requested by the board. By consensus the board determined that changes to the requirement for Life status would be phased in over five years with a provision for those affected in the 5-10 year period to purchase Life status with payment of \$20 per year until they reach age 70. Everett was directed to propose language for placing this before members in the same time frame as the upcoming election cycle. The change would make Life status available to all members who reach age 70 AND have ten years of membership within the club. Provision for purchase of Life status would continue to be available.

The Election Committee was appointed. Pat Colson represents the board, John Anderson and Claire Johnson are remaining required members. They may seek others to work with them.

Will Sheffield reported SEA-PAC '06 financials through August. The event generated \$4,000 for OTVARC and ended spending \$74 more than received. Start up funds for SEA-PAC '07 are set aside.

Board meetings are held on the fourth Wednesday of the month, generally at TVF&R Station 67. Members are welcome.

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HOLIDAY DINNER SET

The Holiday Dinner has been set for Wednesday, December 13th at Beaverton Elks' Club. Naomi Ballard has again agreed to serve as coordinator for the event.

The dinner is a no-host event. The club will provide \$300 for prizes and up to \$75 for decoration and other costs associated with the event. Meals will be served at \$15.00 per person, with each registrant receiving a ticket in the prize drawing. Additional prize tickets may be purchased at the event.

The December meet, including election results, will follow the dinner. Members unable to attend the dinner are welcome at the meeting.



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Fax: 503-547-8200



RUDY SEVERNS N6LF IS WD2XSH/20

Rudy Severns N6LF of Cottage Grove is the northwest's participant in the 500 KHz experiment. His station, WD2XSH/20 is the "most heard" of stations in the first days of this new attempt to demonstrate the usefulness of 500 KHz for daily transmission of data. Rudy's blog gives details on his station. See www.antennasbyn6lf.com/2006/10/600_m_station.html

You'll recognize Rudy as the amateur radio antenna guru. His site at www.antennasbyn6lf.com/ contains much useful information on antennae, ground systems, and related subjects. He has written for QST, including "Verticals, Ground Systems and Some History," QST, Jul 2000. He has two pieces in the ARRL's Antenna Compendium, Volume 6, one on monster quads for HF and the other on short radials for vertical antennae.

Rudy served as editor of [QEX: The ARRL Experimenter's Exchange](#) in 1997-98. Rudy is an electrical engineer and a ham since 1953, has contributed to the ARRL Antenna Compendium series, Communications Quarterly, and the 18th edition of The ARRL Antenna Book. In his introductory issue, August, 1997 Rudy said, "I view QEX as an important vehicle for keeping our technical tradition alive." He serves as an adjunct faculty member at Oregon State University in power electronics.

There are those who believe that amateur radio has lost its "experimenter's edge." Rudy Severns, and all the members of the 500 KHz will make us think otherwise.

Listen on 506 KHz for Rudy's station.

Paragraphs, from Page 1

remember that you will receive from an organization only what you put into it.

Hope to see you at the club meeting and at SwapToberfest.

73

Don KK7TN

500 KHZ, from Page 1

early on September 26 - a distance of 1500 miles. The first QSO took place September 21st between the stations in Tennessee and North Carolina - a distance of some 300 miles.

Raab eventually would like to see at least a secondary 600-meter Amateur Radio allocation from 495 to 510 kHz. He envisions eventual use of the spectrum to provide Amateur Radio emergency communication via groundwave.

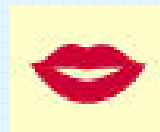
Announcement of the license grant earlier this month brought a few requests from radio amateurs interested in joining the experimental group. Raab says there are no plans to expand the group's membership, however. He does invite reception reports of transmissions made by group members <http://w5jgv.com/500kcreportform.htm>.

For the time being, the WD2XSH group is only using CW. The ARRL Part 5 application had requested permission to use both CW and PSK31, but the license grant omitted the latter mode. Raab says he's working to secure permission to add PSK31 to the grant.

During October, the 21-station experimental group will develop a band plan that assigns frequencies for QRSS - very slow speed CW -- as well as for CW beacons and for two-way communication, Raab said. WD2XSH participant Conrad Murray, WS4S (WD2XSH/11) reports he's transmitting a QRSS beacon on an irregular basis on 505.505 kHz from his Tennessee QTH.

News of the WD2XSH license grant opened another line of communication for Raab. "The announcement brought me a bunch of e-mails, and contact with someone I knew from college and hadn't seen since the 1970s," he said.

More information is on the 500 kc Experimental Group for Amateur Radio Web site <http://www.500kc.com/>.
From ARRL Letter Vol. 25, No. 39



Oregon Trail Lip Balm - effective, not only on your lips, but for keeping witches, goblins and vampires far away!

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mcorourke@netzero.com

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SEA-PAC DATE CHANGE REMINDER

We announced the change of dates for SEA-PAC '07 in August. We want to be sure you noted the move to the first weekend in June, June 1-3, 2007.

We've returned to the former schedule at the request of many regular participants, and to secure more favorable coastal hospitality rates.

If you have already reserved a room on the old schedule, be sure you update your reservation. Let them know you are with SEA-PAC.

VE EXAM SESSION

Our regular monthly session was held on Saturday, September 2nd at the Ronler Acres fire station. Being a holiday weekend we had a light turnout, with only three applicants.

One candidate took all four exam elements and went from zero to Extra in one session. One candidate upgraded from Advanced to Extra, and the third candidate was not successful at earning a Technician license. More studying ahead! Thanks go to VEs Everett W6ABM, Dennis AC7UY, and John KA7BRZ.

Our thanks to Carl WS7L for his leadership. Carl Clawson WS7L is our OTVARC VE team leader.

Our next session is on Saturday, October 7 at 1:00 pm. Monthly VE sessions continue on the first Saturday of each month. The Club offers all exams on the first Saturday of each month at 1:00 PM at Ronler Acres Fire Station, 4455 NW 229th Ave, Hillsboro, across from Hillsboro Stadium. Pre-register for exams by contacting Carl, WS7L, at ws7l@arrl.net or by phone at 503.629.5796.

Check the OTVARC Web www.otvarc.org/ve for more information.

There are other exam opportunities in the area. Email to w7otv@arrl.net for locations and times.

FREQUENTLY USED PROWORDS

REQUEST	RESPONSE
Say Again Word After	I Say Again Word After
Say Again Word Before	I Say Again Word Before
Say Again All After	I Say Again All After
Say Again ??? To ???	I Say Again ??? To ???
Is This Correct	Correct -or- Wrong, I Say Again
Say Words Twice	I Say Words Twice
Send More Slowly	None *(just do it)
I Spell	Say before unpronounceable group
Figure(s)	Say before a numeral
Initial(s)	Say before name initials

Saying "Operator's Note" – If really necessary, make your remark(s) before saying "Message Follows," or at the end of transmission, just before "Over." DO NOT use Operator's Note in the heading or in the text)

Following accepted practice makes it more likely your message traffic will be transferred error-free. Using simple phrases in an unusual manner confuses transfer of information you wish to convey.

QCWA BEAVER STATE CHAPTER 108

MEMBERS AND FRIENDS:

Mark your calendars. The quarterly meeting of QCWA Beaver State Chapter 108 will be on Saturday, October 14th at the Yaquina Bay Restaurant in Albany. Plan on being there by 12 noon so we can eat lunch and start our meeting promptly at 1:00.

This restaurant is at 325 Airport Rd. SE. For those of you not familiar with the Yaquina Bay Restaurant here are the directions:

- 1 - Get off at I-5 off ramp 234 and go west
- 2- At first stoplight, make a left (south).
That is Airport Way but it is not marked.
- 3- Just before the gas station make a left.
- 4- Yaquina Bay Restaurant is on the right and is well signed. It is just before McDonald's and is south of the Best Western Hotel.

GOING OUT WITH VOICES... Dec 29-30

The "Hello Campaign" was linked to the centennial of voice transmissions over the airwaves. In 1906 Reginald Fessenden was experimenting with voices over radio. There had been a report that he had been heard across the Atlantic, and his plan was to make a formal voice contact from Brant Rock, Massachusetts across the Atlantic to Machrihanish, Scotland. But a storm blew down the antenna at the Scottish site. Fessenden, in true ham spirit, went to "plan B." Instead of transmitting to Scotland, he used the Brant Rock station to transmit Christmas greetings to ships of the United Fruit Company. (More about this is at <http://www.hello-radio.org/historyofradio.html>).

This was the very first voice radio broadcast! WBUR radio's Matt Largey had a very nice 5 minute piece about this. You can hear it at: here-now.org/shows/2006/08/20060804_9.asp

In 2006, hams will complete what Fessenden failed to do in 1906 and achieve Plan A with special event stations.

On Dec. 29-30, 2006, hams will complete what Fessenden failed to do in 1906 and achieve Plan A (and a lot more) with special centennial event stations.

There will be three primary special centennial event stations operating from 2000 GMT on Dec 29 to 2000 GMT on Dec 30 and hundreds of other ham radio stations across the country. Representing the past is W100BO/W1F at Brant Rock with Steve Barreres, K2CX, as team leader. GB1FVT will be at Machrihanish with Duncan MacArthur, GM3TNT, as team leader.

Representing the future will be W1AW in Newington, CT.

The FCC has fined Love's Travel Stops & Country Stores Inc of Oklahoma City, Oklahoma, \$25,000 for violating the Communications Act of 1934, as amended, by offering for sale non-certified Citizens Band (CB) transceivers. The Forfeiture Order (NoF) released September 29 recounts a history of alleged violations dating back to 2001, when the Commission issued the first of seven citations to Love's for marketing non-certified CB transceivers. All CB transmitting equipment must first receive FCC certification before it can be marketed or sold in the US.

"Based on the evidence before us, we find that Love's willfully and repeatedly violated Section 302(b) of the Act and Section 2.803(a) of the rules by offering for sale non-certified CB transmitters on three in-

stances -- two on February 23, 2005, and one on February 25, 2005," said the NoF, signed by the FCC Enforcement Bureau's South Central Region Director Dennis P. Carlton. The FCC said that between March 2004 through January 2005, Enforcement Bureau field agents, following up on complaints, visited 10 Love's retail outlets in Oklahoma, Texas, Arizona and California. "At these locations, the stores displayed and offered for sale various models of non-certified CB transceivers marketed as ARS [Amateur Radio Service] transmitters," the FCC noted in its NoF.

Love's replied to a Notice of Apparent Liability in the case -- issued last February -- but the FCC indicated the firm's response did not convince the Commission to alter the penalty.

Jerry Jackson N5UJ, and Bernie Davies KC5LGS, amateur ham radio operators in Austin, Texas contributed to the network of amateur radio operators that provided communication after Hurricane Katrina. Since 1982, the city of Bad Bentheim, Germany, has awarded the **Gold Antenna** to an outstanding humanitarian achievement in radio communications. This year, the **American Radio Relay League was honored** for converging on the Gulf Coast and creating radio relays to pass along emergency messages regarding rescue and recovery operation.

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No Travelers' Event In October

The Travelers' are a special interest group within OTVARC. Any member of the club is welcome, as well as other hams interested in camping and RVing.

There will be no TRAVELERS' event in October this year.

The September event was the annual TRAVELERS' trek to Waterloo County Park near Lebanon. The Park is located off Highway 20, 18 miles east of I-5. One feature of the event is the Saturday Night Potluck. Al and Mary Berg served as wagonmaster/wagonmistress this year. The TRAVELERS' always welcome members to come for the potluck even when they can't spend the weekend. This year, your editor took them up on it. I was in Lebanon for the memorial service of a colleague and decided to take them up on the invitation. Purchasing a loaf of fresh sourdough bread in Lebanon, I ventured seven miles to Waterloo Park. Carl and Kathy Clawson did as well.

Waterloo is a facility of Linn County Parks. Its nicely laid out along the Santiam River with large sites, more than adequate rest room facilities, and a nicely treed environment. I can understand why the TRAVELERS' return each year.

This year, our TRAVELERS' were joined by a similar group from Hood River club. Seventeen RV vehicles made up the encampment. It was hard to determine which club members belonged to, and the potluck was a very pleasant experience. After dinner, two nice firesides were active with good "eyeball QSOs" going on. Take the TRAVELERS' up on the invitation. You'll not regret it. - Everett/W6ABM

HAMFESTS & CONVENTIONS

14 October 2006

Hamfest and Electronics Swapmeet

North Kitsap ARC
<http://www.nkarc.org>
 Talk-In: 146.620- (PL 103.5)
 Horace Ory, K7ORY
 PO Box 2268
 Silverdale, WA 98383
 360-779-2215 (after noontime PST)
 ory001@comcast.net

21 October 2006

Swap-Toberfest

Amateur Radio Emergency Services Convention

Rickreal Oregon
www.swaptoberfest.net
 Talk-in: 146.86 MHz (tone 186.2)
 Mid-Valley ARES
 PO Box 931
 Lafayette OR 97127
 Fred Rodley N7LQD
 n7lqd@aol.com

28 October 2006

Mount Baker ARC
<http://www.qsl.net/k7skw>
 Talk-In: 146.14/74
 Al Norton, K7IEY
 1008 Liberty Street
 Lynden, WA 98264
 360-354-4622
 k7iey@netscape.net

1 - 3 June 2007

Sea-Pac

Northwestern Division Convention
 Oregon Tualatin Valley ARC
www.seapac.org
 Talk-In: 146.660
 C. Wayne Schuler, AI9Q
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**CLUB MEETING
OCTOBER 11TH**



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