

Seaside Tsunami Amateur Radio Society

The WA7VE

October, 2007
Volume I Issue 3

Next Class for the Technician License

- Date: November 2nd & 3rd
- Location: Clatsop Community College South County campus at 1455 N. Roosevelt Next to Diamond Heating.
- Fri. 5:30pm to 8:30pm
- Sat. 9:00am to 4:00pm
- Bring a calculator, pencil, and notebook both days. Saturday you need to bring a lunch.
- Pre-register by E-mail at: redham@aol.com
- Testing right after the class.

STARS Next Meeting.

Oct. 13th @ 4:30pm
CCC Seaside Campus -
Address 1455 N. Roosevelt
Mtgs: 2nd Sat Each Month

The STARS Newsletter-

Roxann Holwege AB7HO
Jeff Holwege AB7DN

STARS Officers & Board

Trustee	Hal Denison WA7FIV
President	Jeff Holwege AB7DN
Vice-President	Greg Filliger N7RIA
Secretary	Laurene Church KE7JIY
Treasurer	Kelly Larkins N7IXI
ARES-EC Clatsop County	Don Hillgaertner WA7TEM

13 New Hams From September Class WOW

The Seaside Tsunami Amateur Radio Society AKA—STARS held a two consecutive day Ham Radio class Sept. 14th & 15th for anyone wanting to get their Technician Class Ham Radio License. A large number of people showed up at the Seaside Campus of Clatsop Community College for the Class. Six of them drove all the way from the Rainier Oregon area. Nine of the people from the class decided they wanted to take the exam when the class finished on Saturday. All of those 9 took and passed the exam. 12 year old Tommy Williams KE7OUD was the youngest of them to pass the exam. The remaining people wanted to wait and take some practice exams online before testing. Four more People passed their

test on Saturday Sept. 22nd.

A second Class was started at the house of Jeff Holwege AB7DN in mid September. That class had a Mother and Son from the Camp Rilea area. Over the course of a week those two finished their class and will be taking their Technician Ham Radio Licenses exam in the next week.

For the month of September we added a total of 13 new Technician Hams to the ranks of Ham Radio in Washington County & Clatsop County in the State of Oregon.

In the past year we have had 35 people take and pass their technician Ham Radio License Exams. If everyone helps

pass the word, I bet we can help license 75 over the next year. Lets see how many people we can get signed up for the Nov 2nd & 3rd class down here in Seaside. Let your neighbors know when the classes are. Here is a list of Class dates at Clatsop Community College in Seaside :

2007 _____ .
Class 1) Nov. 2nd & 3rd

2008 _____ .
Class 2) Feb. 1st & 2nd
Class 3) Apr. 4th & 5th
Class 4) Jul. 18th & 19th
Class 5) Sep. 5th & 6th
Class 6) Nov. 14th & 15th
If you know of anyone wishing to take a Ham Radio class, have them pre-register by sending an e-mail to Jeff Holwege E-mail: redham@aol.com
"73"

Five Seaside Hams under 18 years Old

We now have five Ham Radio Operators in the Seaside area that are under the age of 18. Kye McCord KE7IYM Tryg McCord KE7IYL Doug Larkins K7PMG Nick Kaim KE7NIT Tommy Williams KE7OUD

If you hear them or any other new Hams on the

radio, remember to give them a shout over the radio and welcome them to the hobby. Lets see if we can double the number of youth Hams by the end of the year. Doug K7PMG, Nick KE7NIT, & Tommy KE7OUD along with Jeff Holwege AB7DN met with Principal Doug Pease of Broad-

way Middle School in Seaside about the school starting a Ham Radio club. The Principal was positive about the idea and said he would send an E-mail to students & Staff to help recruit anyone interested in the idea. Way to go Doug, Nick, & Tommy. "73"

What is the NTS - National Traffic System Ham Radio Message Handling - Radiograms

The NTS - National Traffic System has been around since the early 1900's. On pages 3,4,& 5 of this newsletter there are tools to help you with sending and receiving messages through the NTS - National Traffic System. The handling of radiogram traffic is how the ARRL got started. ARRL - Amateur Radio Relay League. If you have ever wondered why they came up with the name ARRL, you now know why. They relayed radio traffic for individuals around the country, and around the world. This is still done to this day. The name ARRL makes perfect sense when you put it in context. Any amateur can originate a radiogram on behalf

of other individuals. Remember to always be aware of 3rd party agreements that we have with other countries. The skill of sending messages in this manner is of great importance during emergencies. Everyone should take the time to learn this skill. A fun way to perfect this skill is to send messages to friends and family that live in other parts of the country. The really cool thing about this is that your friends and family do not need a Ham Radio License to respond or even initiate one of these messages. All that they need to know is where to find a Ham Radio Operator close to their residence that will send the Radiogram for them. I still have the first

Radiogram that was sent for me before I received my Ham Radio License. It was sent on my behalf to my parents to let them know that I arrived in San Diego to Marine Corps Boot Camp in Oct of 1973. So dig out your pencils and keep some copies of blank Radiogram forms on hand just in the case you will have the need to copy a message over the radio for someone. You can also start writing some practice message's. Then after you perfect your message writing skills and your message delivering skills you can start sending message's through the NTS - National Traffic System. Article by Jeff Holwege AB7DN "73"

The Seaside Tsunami Net

The Seaside Tsunami Net meets every Wednesday at the sound of the siren.

We are very serious about training the many new Ham Radio licensees in the Seaside area. We feel training is the only way we can make ourselves useful when the event happens.

A Ham Radio Net begins with a Net Control announcing that a net is starting. The Net Control then reads a short preamble that explains the type of information required from each person who wishes to call on the radio to report his/her Call sign, Name, QTH, (location by nearest cross street), and health & welfare. If there were a real event the person's family, neighbors and animals will all be very important to list in case there are injuries, or worse.

A part of the weekly training includes how to handle messages, keep logs, work with public service departments and Emergency Operations Centers.

The Seaside area is very lucky to have professional communications experts available to teach and work with the many new Hams in the area. We have formed the SEASIDE TSUNAMI AMATEUR RADIO SOCIETY "S.T.A.R.S." specifically to prepare the area's Hams for working under stressful and unusual conditions.

As a part of this training we have asked our youngest new Hams to be the weekly net control and have required that they be responsible for the training after the net concludes. We have two recently new Hams, K7PMG, Doug and KE7NIT, Nick who are age 12 who have already been Net Control stations and Nick has taught message handling.

We have a great deal of pride in the hard work and dedication each of our members are providing for the area. "73"

Article by: Hal, WA7FIV
S.T.A.R.S. Net Manager & Trustee.

Net Schedules

Seaside Tsunami Net:

Wednesdays on 146.400 MHz Simplex - At the Sound of the siren or by 7:30pm (up to Net Control)

Clatsop County ARES Net:

Mondays on 145.450 & 146.740 & 146.660 MHz all with PL 118.8 at 7:00pm

Pacific County Net:

Thursdays on same frequencies as Clatsop County ARES Net 7:30pm

OEN - Oregon Emergency Net:

Daily on 3980 KHz at 6pm & 7pm

*** NTS ***

National Traffic System Nets

Oregon ARES Traffic Net:



Daily on 3993.5 KHz at 5:30pm

Beaver State NET:

Daily on 3920 KHz at 5:45pm

District 1 ARES Net:

In Portland Daily on 147.320 MHz at 7:30pm

	THE AMERICAN RADIO RELAY LEAGUE						
RADIOGRAM							
VIA AMATEUR RADIO							
NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
TO:					THIS RADIO MESSAGE WAS RECEIVED AT:		
TELEPHONE NUMBER: _____ _____ _____ _____ _____					AMATEUR STATION: _____ DATE: _____		
					NAME: _____		
					STREET ADDRESS: _____		
					CITY, STATE, ZIP: _____		
Sig:							
REC'D			SENT				
FROM			DATE		TO		DATE
TIME			TIME		DATE		TIME
A licensed Amateur Radio Operator, whose address is shown above, handled this message free of charge. As such messages are handled solely for the pleasure of operating, a "Ham" Operator can accept no compensation. A return message may be filed with the Ham delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225, Main Street, Newington, CT 06111.				The American Radio Relay League, Inc. is the National Membership Society of licensed radio amateurs and the publisher of QST Magazine. One of its functions is promotion of public service communication among Amateur Operators. To that end, The League has organized the National Traffic System for daily nationwide message handling.			

RADIOGRAM COMPONENTS:

Number: Your message number

Precedence: "R" for ROUTINE unless it is an emergency!

Routine, Health & Welfare, Priority or Emergency

Handling Instruction(s): (*Most commonly used)

A = Collect landline delivery authorized by addressee within X miles (i.e., A25 - If no number, authorization is unlimited).

B = Cancel message if not delivered within X hours of filing time; service originating station (i.e., B4).

*C = Report date and time of delivery (TOD) to originating station.

D = Report to originating station the identity of station from which received, plus date and time. Report identity of station to which relayed, plus date and time, or if delivered report date, time and method of delivery.

E = Delivering station get reply from addresses, originate message back.

F = Hold delivery until....(date). (i.e. F5 holds until the "5th")

*G = Delivery by mail or landline toll call not required. If expense involved, cancel message and service originating station.

Originating Station: Ham who formats & submits it to NTS.

Check: Word count for message body. If ARL text is used, precede count with ARL (i.e., ARL22).

Place of Origin: Where message originates.

Time Filed: In ZULU time (rarely used).

Date: Date message was written (Month & Day).

To: Put name and amateur call sign (if applicable); Street address; City; State (2-letter abbrev) & ZIP; Telephone including area code. ZIP is required for NTS messages sent digitally via Packet, etc.

Body: Text goes here, maximum 5 words per line and 25 words total. A telephone number with area code counts as 3 words (707 555 1212). ARL numbered texts are spelled out (i.e., ARL FORTY SIX). "73" is written as 73, counts as one word.

Signature: This is the signature of the person who wrote the message, may differ from the Originator. If a ham operator, include name and call sign. If not a ham, include name and phone number (including area code).

REC'D: Operator call sign message was rec'd from, time and date.

SENT: Operator call sign sent to, time and date.

If receiver is last stop and delivers the message, note to whom delivered, how, and time and date.

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
347	PRIORITY	E	K7ABT	ARL 14	BEAVERTON OR	0830	July 8
TO: ARES Coordinator Washington County EOC			Donald Smith 164 158TH Beaverton OR 97006				
TELEPHONE:			503-555-1212				
ARRIVED	BEAVERTON	EOC	0715	X	(5)		
ARL	NINE	2	ARL	ELEVEN	(10)		
KB7VHI	146.90	UNTIL	1030		(15)		
SIGNATURE: Alvin Carlson KB7VHI							

SAMPLE RADIOGRAM AND NTS QUICK REFERENCE

Formally read as:

Message number three four seven, priority, Echo, Kilo seven Alpha Bravo Tango, ARL one four, Beaverton OR, zero eight three zero local, July eight.

Initials Alpha Romeo Echo Sierra, coordinator, Washington County initials Echo Oscar Charlie, no phone, break for text.

Alternate: Donald Smith, figures one six four, mixed group one five eight Tango Hotel, Beaverton OR figures nine seven zero zero six, phone, Five zero three, five five five, one two one two, break for text.

Arrived, beaverton, initials Echo Oscar Charlie, figures zero seven one five, xray, ARL, nine, figures two, ARL, eleven, mixed group Kilo Bravo seven Victor Hotel India, figures one four six decimal nine zero, until, figures one zero three zero, break for signature.

Alvin Carlson, end of message.

Notes:

- Spell phonetically all difficult or unusual words.
- Do not use CW abbreviations or Q-signals.
- ARL numbers should be spelled out.
- Messages MUST have a signature.

Figures – The following word is a number [decimal number]. Telephone numbers are considered three words in text.

Initials – The following word is a series of letters.

Mixed Group – The following word is a combination of letters and numbers.

Precedence: (highest to lowest)

- If unsure about precedence, consult with Net Control.
- Welfare and Routine not typically used in EOC traffic.

Emergency – Message having life and death urgency transmitted by Amateur Radio in the absence of regular commercial facilities. This includes official messages of welfare or government agencies. If in doubt do not use it.

Priority – Important message having a specific time limit. Official messages not covered in the Emergency precedence; Notification of death or injury in a disaster area, personal or official.

Welfare – Message that is either a) an inquiry as to the health and welfare of an individual in the disaster area b) an advisory or reply from the disaster area that indicates that all is well.

Routine – Most traffic carries this designation.

Handling Instructions:

- HXA** – Collect landline delivery within miles (If no number, unlimited authorization).
- HXB** – Cancel message if not delivered within hours of filing time; inform originator.
- HXC** – Report the date and time the message was delivered to the originating station.
- HXD** – Each station that handles the message should report identity and TOD of delivery to next station.
- HXE** – Delivering station get reply from addressee, originate message back.
- HXF** – Hold delivery until (date).
- HXG** – Delivery by mail or landline toll call not required. If expense is require, cancel and inform originator.

Phonetic Alphabet:

LETTER	WORD	LETTER	WORD	LETTER	WORD
A	Alpha	J	Juliet	S	Sierra
B	Bravo	K	Kilo	T	Tango
C	Charlie	L	Lima	U	Uniform
D	Delta	M	Mike	V	Victor
E	Echo	N	November	W	Whiskey
F	Foxtrot	O	Oscar	X	Xray
G	Golf	P	Papa	Y	Yankee
H	Hotel	Q	Quebec	Z	Zulu
I	India	R	Romeo		

Common pro-words used on Nets:

- Break** – Reading message: A separation between portions of a message. Interruption: Declare a need to use the frequency for an emergency. For a non-emergency interrupt using your call sign.
- Clear** – Done with a call.
- Monitoring** – Station is not involved in a conversation, but is monitoring the frequency.
- Over** – Simplex: My transmission is ended and I expect a response from you. Repeater: Not used on a repeater.
- Roger** – I have received all of your last transmission.
- Say Again** – Please repeat the last transmission.
- Securing** – Station is leaving the air.
- Words Twice** – While sending: Since communication is difficult, every phase in this message will be sent twice.

ARRL Numbered Radiograms

The letters ARL are inserted in the preamble in the check and in the text before spelled out numbers, which represent texts from this list. Note that some ARL texts include insertion of numerals. For additional information about traffic handling, consult "The ARRL Operating Manual," published by American Radio Relay League (ARRL).

Group One -- For Possible "Relief Emergency" Use

Emergency/priority messages originating from official sources must carry the signature of the originating official.

- ONE** -- Everyone safe here. Please don't worry.
- TWO** -- Coming home as soon as possible.
- THREE** -- Am in ____ hospital. Receiving excellent care and recovering fine.
- FOUR** -- Only slight property damage here. Do not be concerned about disaster reports.
- FIVE** -- Am moving to new location. Send no further mail or communication. Will inform you of new address when relocated.
- SIX** -- Will contact you as soon as possible.
- SEVEN** -- Please reply by Amateur Radio through the amateur delivering this message. This is a free public service.
- EIGHT** -- Need additional ____ mobile or portable equipment for immediate emergency use.
- NINE** -- Additional ____ radio operators needed to assist with emergency at this location.
- TEN** -- Please contact _____. Advise to standby and provide further emergency information, instructions or assistance.
- ELEVEN** -- Establish Amateur Radio emergency communications with ____ on ____ MHz.
- TWELVE** -- Anxious to hear from you. No word in some time. Please contact me as soon as possible.
- THIRTEEN** -- Medical emergency situation exists here.
- FOURTEEN** -- Situation here becoming critical. Losses and damage from ____ increasing.
- FIFTEEN** -- Please advise your condition and what help is needed.
- SIXTEEN** -- Property damage very severe in this area.
- SEVENTEEN** -- REACT communications services also available. Establish REACT communication with ____ on channel ____.
- EIGHTEEN** -- Please contact me as soon as possible at _____.
- NINETEEN** -- Request health and welfare report on ____ (State name, address and telephone number).
- TWENTY** -- Temporarily stranded. Will need some assistance. Please contact me at _____.
- TWENTY ONE** -- Search and Rescue assistance is needed by local authorities here. Advise availability.
- TWENTY TWO** -- Need accurate information on the extent and type of conditions now existing at your location. Please furnish this information and reply without delay.
- TWENTY THREE** -- Report at once the accessibility and best way to reach your location.
- TWENTY FOUR** -- Evacuation of residents from this area urgently needed. Advise plans for help.

TWENTY FIVE -- Furnish as soon as possible the weather conditions at your location.

TWENTY SIX -- Help and care for evacuation of sick and injured from this location needed at once.

Group Two -- Routine messages

FORTY SIX -- Greetings on your birthday and best wishes for many more to come.

FIFTY -- Greetings by Amateur Radio.

FIFTY ONE -- Greetings by Amateur Radio. This message is sent as a free public service by ham radio operators at _____. Am having a wonderful time.

FIFTY TWO -- Really enjoyed being with you. Looking forward to getting together again.

FIFTY THREE -- Received your _____. It's appreciated; many thanks.

FIFTY FOUR -- Many thanks for your good wishes.

FIFTY FIVE -- Good news is always welcome. Very delighted to hear about yours.

FIFTY SIX -- Congratulations on your _____, a most worthy and deserved achievement.

FIFTY SEVEN -- Wish we could be together.

FIFTY EIGHT -- Have a wonderful time. Let us know when you return.

FIFTY NINE -- Congratulations on the new arrival. Hope mother and child are well.

* **SIXTY** -- Wishing you the best of everything on _____.

SIXTY ONE -- Wishing you a very Merry Christmas and a Happy New Year.

* **SIXTY TWO** -- Greetings and best wishes to you for a pleasant _____ holiday season.

SIXTY THREE -- Victory or defeat, our best wishes are with you. Hope you win.

SIXTY FOUR -- Arrived safely at _____.

SIXTY FIVE -- Arriving _____ on _____. Please arrange to meet me there.

SIXTY SIX -- DX QSLs are on hand for you at the _____ QSL Bureau. Send _____ self-addressed envelopes.

SIXTY SEVEN -- Your message number _____ undeliverable because of _____. Please advise.

SIXTY EIGHT -- Sorry to hear you are ill. Best wishes for a speedy recovery.

SIXTY NINE -- Welcome to the _____. We are glad to have you with us and hope you will enjoy the fun and fellowship of the organization.

* Can be used for all holidays.

ARL NUMBERS SHOULD BE SPELLED OUT AT ALL TIMES