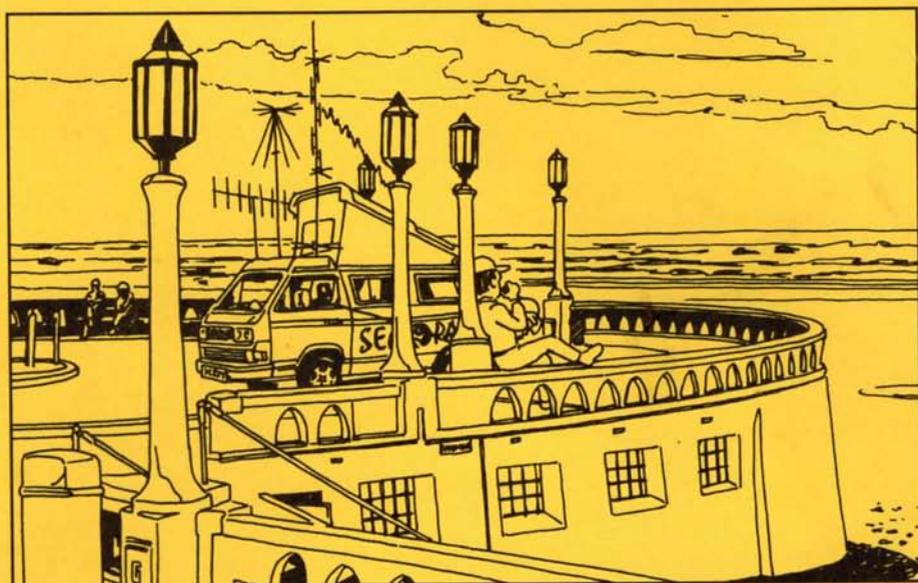




# SEA PAC



## ARRL Northwest Division Ham Convention



## Seaside Convention Center Seaside, Oregon

**JUNE 5 & 6, 1999**

Presented by  
Oregon Tualatin  
Valley Amateur  
Radio Club



## This summer in Portland, history will be made.

The 10<sup>th</sup> anniversary of the Friendship Radiosport Games will take place August 6<sup>th</sup> through 13<sup>th</sup>. In addition to the events of these games the first ever IARU Region 2 ARDF championship will be combined with the Radiosport Games. Radiosports competitors from throughout the Western Hemisphere, Russia, Japan, and Europe will meet in Portland.



**Stop by the FARS booth at SeaPac** and learn more about the Friendship Amateur Radio Society and the activities taking place this summer – and find out how you can be a part of the fun. Volunteers are needed to help with the games. Needed are: drivers, score keepers, fox hunt course monitoring, and home stay for foreign guests. Prior to the ARDF (Amateur Radio Direction Finding) event we will have practice sessions giving you an opportunity to practice your fox hunting skills.

**For more details on the summer games check the FARS web site: <http://www.pacifier.com/~fars>**

FARS is a non-profit, public benefit corporation dedicated to enhancing radiosports, friendship, travel exchanges, and the cooperative ventures between hams across the globe. FARS is an outgrowth of the first US/USSR Friendship Radio Games held in Khabarovsk, Russia in 1989.

By becoming a member of FARS you can help support the summer games. With your donation of \$10 or more you will receive a FARS lapel pin (made in Russia) and a certificate listing you as an associate member.

- Yes, I want to become a member of FARS. Enclosed is my donation of:  
 \$10 associate member,  \$50 sponsor,  \$100 contributing  
 I want to help with the 1999 Friendship Radiosport Games.  
 I can home stay a foreign competitor.

Name: \_\_\_\_\_ Ham call: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Mail to: FARS, PO Box 13344, Portland, Oregon 97213  
e-mail: [farsintl@aol.com](mailto:farsintl@aol.com) phone: (503) 640-0217

## Welcome to SeaPac 1999

**T**he *SeaPac Ham Convention* is sponsored by the Oregon Tualatin Valley Amateur Radio Club.

Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club, Sunset Empire Amateur Radio Club, and TEchnology RAC (formerly Tektronix Employees RAC).

The Sponsors wish to thank all volunteers for their assistance and contributions to the convention. We hope everyone will enjoy themselves to the fullest and be a part in making this event a success.

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## VE Testing

Testing is at Our Saviour's Lutheran Church across from the Convention Center. One session only will be offered at 9:00AM on Saturday, June 5, 1999.

**Testing will be by pre-registration only. No walk-ins!**

## FARS USA Program

FARS-USA will conduct a practice international-style transmitter hunt (on foot) Stop by to learn more about the sport and try out for the FRG-99 team.

**See Page 7**

## Kids Krayons & Kartoons

### Sea Mist Room

**Saturday, June 5 - 9:00 AM to 5:00 PM**

**Sunday, June 6 - 9:00 AM to 2:00 PM**

For children 5 - 12 years old. Separate arrangements can be made to care for younger children at a nominal cost.

**Talk-in Station: 146.660 (-600) MHz**

# Convention Schedule

## *Friday, June 6*

Registration.....	11:00AM- 8:00PM
Exhibitor & Flea Market Setup ( <b>SETUP ONLY</b> ).....	11:00AM - 9:00PM
<b>Special Friday Technical Session (Seaside Room) .....</b>	<b>2:30PM-5:30PM</b>
Ladies Hospitality Suite (Convention Center Inn Room 125)..	5:00PM - 8:30PM

## *Saturday, June 5*

Registration .....	8:00AM - 4:30PM
Exhibits & Flea Market .....	9:00AM-4:30PM
Snack Bar .....	9:00AM-4:30PM
Ladies Hospitality Suite (Convention Center Inn Room 125) ...	9:00AM-5:00PM
Kids, Krayons & Kartoons (Seamist Room) .....	9:00AM-4:30PM
VE Exams ( <b>Preregistered Only</b> ) (Our Saviour's Lutheran Church)	9:00AM- 12:00N
Seminars (Seaside & Riverview Rooms) .....	9:30AM-5:00PM
YLRL Luncheon & Program. (Oceanview Fireplace Room) ...	11:30AM-1:30PM
QCWA Luncheon (Oceanview Tillamook Head Room) .....	11:30AM-1:30PM
Pre-Banquet Happy Hour (Convention Center Lobby) .....	6:30PM- 7:15PM
Banquet (Convention Center) .....	7:15PM- 9:30PM

## *Sunday, June 6*

Registration.....	8:30AM - 12:00N
Exhibits & Flea Market .....	9:00AM -12:00PM
Ladies Hospitality Suite (Convention Center Inn Room 125) ..	9:00AM - 12:00N
Kids, Krayons & Kartoons (Sea Mist Room).....	9:00AM - 2:00PM
Seminars (Seaside & Riverview Rooms).....	9:15AM - 12:00N
Snack Bar.....	9:30AM - 2:00PM
Grand Awards.....	1:00PM – 2:00PM
Convention Closes.....	2:00PM

# Exhibitor List

## **ADI/Premier Communications**

**A&A Engineering**

**Alinco**

**Amateur Radio Trader**

**Amateur Radio Relay Group**

**American Radio Relay League**

**Antenna & Satellite Technology**

**ALF Enterprises**

**Badge Boys**

**Battery Tech**

**Bearcat Radio Club**

**Books Etc.**

**Cascade Sales**

**Computer Nut**

**Cynthia Wall**

**DC Power**

**Dave's Radios**

**Diversified Unlimited**

**E. E. Industries**

**EMTECH**

**Friendship Amateur Radio Society**

**Ham ID'ers**

**H. Stewart Designs**

**Ham Stuff**

**Ham Radio Outlet**

**Hoodview ARC**

**Ideal Sales**

**ICOM of America**

**Kenwood USA**

**Laminations**

**Mac's Instant Imaging**

**Molen Distributing**

**Mr. Nicad / E H Yost**

**Navy/Marine Corps MARS**

**NW Vintage Radio Society**

**Nuts & Volts**

**Oasis Technologies**

**Pacific Research Solutions**

**Portland Amateur Radio Club**

**QCWA**

**The Radio Depot**

**Radio Amateurs of the Gorge**

**Safe-T-Tek**

**Sciosis Scientific Systems**

**SCTV-Skycable**

**Smiley Antennas**

**Solder-It Company**

**Starfire Tec**

**Startek International**

**Thomas Bruckner/Tubes**

**Willamette Valley DX Club**

**Yaesu USA**

**Young Ladies Radio League (YLRL)**

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*Due to publication deadlines we apologize for any changes.*

# Banquet Program

## **The Life and Times of E. E. "Van" Van Valkenberg** *Former Chief Communicator of Air Force One*

Our banquet program will be a presentation by "Van" Van Valkenberg showing slides of his career in the military and as airborne communicator for presidents. Van made a similar presentation at the 1989 SeaPac Banquet.

Van served 11 months in the latter part of World War II, 21 months in Korea, and was involved in the Cuban missile crisis. He was with the 19th air force on the Santo Domingo uprising and also served 27 months in Viet Nam.

Van was then transferred to Washington DC to Andrews Air Force Base where he flew the "VIP" Fleet, flying Secretary of State, Secretary of Treasury, Secretary of Agriculture and many other Foreign dignitaries. Van was then chosen as the "Chief Communicator of Air Force One". He then flew 6 Presidents, Vice Presidents, heads of foreign countries, and many plane loads of movie stars. He has flown into almost every country in the world including 53 times into Russia and 27 times into China. He's even gone into Entebbe, Uganda for lunch. Van made all the sneaky trips with Kissinger and all the flights with Haig during the Falklands conflict.

In his spare time Van is a sky diver with 2,041 free falls, 9 of which were from 40,000 feet with the "HALO" Teams.

After his presentation Van will answer questions from the audience.

## ***Master of Ceremonies***

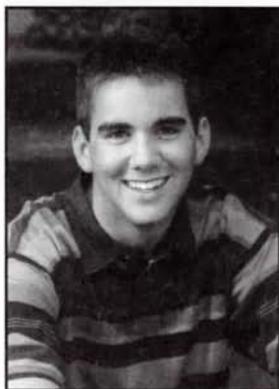
**Greg Milnes, W7OZ**

**ARRL Northwest Division Director**  
***aka "The Wiz"***

Greg was first licensed in 1955. In the mid-60s, he operated W7AGQ/4 from Virginia and was a staff attorney with the Broadcast Bureau of the FCC in Washington, DC. He returned to 7-land in 1967. Greg became a Judge in 1969 and recently retired as Circuit Court Judge for Washington County, Oregon.

Greg is ARRL Northwest Division Director, a member of QCWA, DXCC, FARS, Willamette Valley DX Club and OTVARC (past President and Trustee).

# 1999 Chuck Mickley Memorial Scholarship



**Jack Loflin, KC7CGK**

The OTVARC Scholarship Committee will present the 1999 Chuck Mickley Memorial Scholarship at the Banquet. They are pleased to announce the selection of Jack Loflin, KC7CGK as this year's recipient.

Jack, a 1999 graduate of McMinnville High School, was first licensed in 1994 and has been an active ham ever since. He was awarded his Extra Class license in 1995.

Jack is a past Vice President of the McMinnville Amateur Radio Club, and has been an avid participant in their transmitter hunting activities. He has pursued his interest in Amateur Radio Direction Finding (ARDF) much further, representing the United States in ARDF world championship competitions in Japan and

Hungary. You'll see him on page 29 of the May 1999 QST, running across the finish line of the 80 meter competition in Hungary.

Jack stays active with ARES and was instrumental in setting up amateur radio communications at the Yamhill County Emergency Operations Center and managed operations at that station during the storms of '95 and '96. This, plus his other work as a cadet commander with the Yamhill County Sheriffs office has earned him a position of respect and trust in the department.

He is extremely active in public service activities, being a certified Rescue Diver, Marine Cadet on boater safety patrol, permanent team leader for Yamhill County search & rescue, and a cadet commander in the Civil Air Patrol. He has also taught computer classes, set up computer networks for the school district, and taught several Amateur Radio classes. He is employed by the Yamhill Education Service District as a technician in Electronic Services.

Jack has earned recognition for his strong academic standing, receiving several academic awards and being named to the National Honor Society. He will major in Biology at Oregon State University in the fall, where he plans to learn a lot about DNA fingerprinting. He looks forward to a career in law enforcement, and has his sights set on working in a forensics laboratory.

The scholarship committee for 1999:

Carl Clawson, WS7L, Chair  
Maureen O'Rourke, KA7LAP  
Dale Mosby, K7FW

## ARRL Guests

**Steve Mendelsohn, W2ML First Vice President**

**James E. Fenstermaker, K9JF  
Northwestern Division Vice Director**



# FARS-USA PROGRAM

The Friendship Amateur Radio Society (FARS-USA) will again host the international Friendship Radiosport Games (FRG-99) in Portland during August, 1999. The first IARU Region 2 (North and South America) Championships in Amateur Radio Direction Finding (ARDF) will be held in conjunction with FRG-99. FARS will host a seminar on ARDF, including a first-hand report of the 1998 World ARDF Championships in Hungary, where the United States was represented for the first time.

You can be a part of the fun! Come find out more about these international events, including how you can participate or be a host for a foreign ham, at the seminar. FARS will also hold a practice international-style transmitter hunt (on foot) at SEAPAC for those who want to learn more about the sport and/or try out for the team. (Instruction and some equipment will be available.)

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*Rick*  
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**W7ATX**

**Jack KG7LX, Manager**

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# Prize Drawing Information

## *Must be present*

**ICOM 706 Mk II HF Transceiver**  
**KENWOOD TM G707A Dual Band Mobile**  
**ICOM IC-T8A-HP Tri-Band HT**  
**ALINCO DR-150T 2 m Mobile**  
**YAESU VX-1R Dual Band HT**  
*(NONE BY PROXY - YOU MUST BE PRESENT)*

---

## *Need Not Be Present*

**ALINCO DX-70T HF Transceiver**  
**ICOM IC 207H Dual Band Mobile**  
**KENWOOD TM-261A 2m Mobile**  
**STANDARD C-156A 2m HT**  
**STARTEK ATH 30 Frequency Counter**

---

**Need Not Be Present Prizes** will be shipped to winners. The drawing time will be limited to one hour between 1PM - 2PM Sunday. These prizes are purchased at or below cost from the dealers and manufacturers. We take this opportunity to express our appreciation.

Good Luck.

## ***HOURLY PRIZES***

Posted in the lobby and  
on stage for 2 hours

*Those unclaimed will be re-issued*

---

## **Early Bird Awards**

**KENWOOD TM-V7A**  
**Dual Band Mobile**

---

**YAESU YS-60 SWR Meter**

---

# SEAPAC LADIES HOSPITALITY ROOM

Convention Center Inn Room 125

## "A HANGOUT FOR BORED SPOUSES"

### ALL WEEK END LONG

Learn how to make or buy a candy rose bud for \$1.00 each.

Learn how to make gift boxes from new or used greeting cards (FREE)

Help put a puzzle together, rest your feet, pick out a good book or two, or a new recipe for the family or the next pot luck.

### FRIDAY, JUNE 4th

*Room open from 6:00 pm to 8:00 pm*

Stop in and have a cup of coffee or tea.  
Help start a puzzle

Bring in books and recipes for the exchange and take some with you when you leave.

We will also be ready to show you how to make those rose buds and gift boxes.

### SATURDAY, JUNE 5th

*Room open 9:00am to 5:00pm*

Coffee tea and donuts (while they last)

#### Painting Seminar 9:30 to 10:30 am

Hands on fabric painting on your t-shirt, shoes, or tote for a \$3.00 fee.

Led by Julie Landers

#### What is a 72 Hour Disaster Kit?

11:00 to Noon

Presented by

Frank Oulman from Safe T Tek  
Learn how and why to put together your 72 hour disaster kit(s) for you and your family.

### Mary Kay Cosmetics

1:30 to 3:30 pm

Demonstrated by Jeanie Walter

Five lucky ladies from the audience will be picked for a makeup makeover. We will all learn some new tricks and secrets on how to have a natural look

Find out how to feel better about ourselves, while having a great time.

3:30 to 5:00 pm

Stop in and say hi. do a craft or just visit, and make a new friend.

We will have the questionnaires like last year, please take time to fill one out.

Your opinion does matter.

The hospitality suite is for you.

Let us know what you would stop by for.

### SUNDAY, JUNE 6th

*Room open 9am to Noon*

Coffee or tea will be served.

Don't forget to stop in to pick up your painted craft from Saturday.

We will continue to work on the puzzle, if it isn't finished

Feel free to pick out a book or two, even if you didn't bring one for the exchange.

If you like to eat,  
pick out a recipe to try.

Rose buds for a \$1.00 and gift boxes from cards can be made as long as supplies last.



# Seminar

Riverview A

Riverview B

Riverview C

## Friday Afternoon, June 4

2:30  
PM  
to  
5:30  
PM

\*\*\*\*\*  
☆ SEE PAGES 12 - 19 FOR SEMINAR TOPIC DESCRIPTIONS ☆  
\*\*\*\*\*

## Saturday Morning, June 5

9:30  
AM

(2) Antennas for the Mostly Uninitiated

Marshall Johnson, KK7CW

(3) Residential Data  
Networking: Threat  
to Amateur Radio?

Neil Robin, WA7NBF

11:00  
AM

(7) Antenna Hints & Kinks

Marshall Johnson, KK7CW

(8) International  
Transmitter Hunting:  
Competing Against  
the World's Best

Dale Hunt, WB6BYU

## Saturday Afternoon, June 5

2:00  
PM

(12) Electronic  
Construction - Tools  
Materials, and Methods

Emerson Hoyt WX7E

(13) Classic  
Amateur Receivers:  
A History of Innovation

Tom Rousseau, K7PJT

(14) The  
"QRP FOREVER!"  
QRP Forum

Bill Todd, N7MFB  
Wes Hayward, W7ZOI  
Bruce Franklin, KG7CR  
Roger Steyart, K7RXV  
Russ Carpenter, AA7QU

3:45  
PM

(18) VHF DX:  
You Can Do It

Chip Margelli, K7JA



## Sunday Morning, June 6

9:15  
AM

(21) Electronic  
Construction - Tools  
Materials, and Methods

Emerson Hoyt WX7E  
(Repeat)

(22) Quads vs Yagis  
Finally Resolved

Ken Glanzer, K7GCO

(23) VHF Roving:  
DXpeditions on a  
Budget

Wayne Overbeck, N6NB

10:45  
AM

(27) Limited Space  
Emergency Antennas

Marshall Johnson,  
KK7CW

(28) A New Look at  
Slow Scan TV

Ray Fletcher, KB7VMS

# Schedule

Seaside A

Seaside B

Seaside C

## Friday Afternoon, June 4

### (1) Technical Session:

"Antennas from Aerial to Zepp – Clinic and Antenna Building Contest"  
Marshall Johnson, KK7CW

## Saturday Morning, June 5

### (4) RF Safety: The New Rules and Health

Wayne Overbeck N6NB

### (5) Vacuum Tubes: The Mystery that led to an Empire

George Kirkwood

### (6) Introduction to Packet Radio: Your System and the Network

Ken Wilhelmi N7QQU

### (9) Amateur Radio at the New York City Marathon

Stephen Mendelsohn, W2ML

### (10) Radio Propagation in the Ionosphere

Alan Chandler, K6RFX

### (11) New Directions in HF Digital Communication

Johan Forrer, KC7WW

## Saturday Afternoon, June 6

### (15) ARRL Forum What's Happenin' with ARRL and FCC

Greg Milnes, W7OZ

### (16) CW Proficiency

Bill Balzarini KL7BB

Harry Lewis, W7JWJ

### (17) APRS – The Automatic Position Reporting System

David Dobbins, K7GPS

### (19) Advanced Packet: Emergency Internet Access via Amateur Radio

Steve Stroh, N8GNJ



### (20) APRS In Public Service

David Dobbins, K7GPS

## Sunday Morning, June 6

### (24) Y2K Preparedness: Are You Ready?

Ron Kruml, KB7JCP

### (25) What is This Thing Called Amateur Radio?

Jim Fenstermaker, K9JF

### (26) ARES/RACES Oregon State Emergency Packet Net

Ken Wilhelmi N7QQU

### (29) Living With Earthquakes in the Pacific Northwest

Diane Merten

### (30) A 'Suitcase DXpedition' to the Caribbean

Ron Vincent, WJ7R

### (31) Ham Radio & Emergency Management

Tom Manning, KK7OU

# Seminar Topic Information

This year's seminar program is one of the best ever, with a wide variety of topics for the beginner as well as the advanced amateur.

On Friday there is a technical session on antennas by Marshall Johnson, KK7CW. Since ARRL did not sponsor a workshop this year, we decided to put on a program by a well-known ham from our own area.

Our seminar program is divided into "topic tracks". They are:

**TECHNICAL:** 11 seminars, No. 1, 3, 4, 7, 8, 14, 16, 18, 22, 27, and 28, on various subjects.

**DIGITAL:** 4 talks: No. 6, 11, 17, and 19, dealing with packet, HF digital, and APRS.

**EMERGENCY PREPAREDNESS:** 6 talks: No. 9, 20, 24, 26, 29, and 31. Topics include non-emergency Public Service, the use of APRS for public service, the State Packet net, the relationship between hams and the agencies we serve, and preparing for Y2K and earthquakes!

**BEGINNERS:** 5 seminars: No. 2, 10, 12, 21, and 25, dealing with antennas, propagation, construction (repeated Sun AM), and one especially for those who would like to learn more about the hobby before getting more involved.

**ORGANIZATIONAL & GENERAL INTEREST:** 5 seminars: No. 5, 13, 15, 23, and 30. Topics include the ARRL Forum, several about the good ol' days of vacuum tubes (flame FETs to you modern hams), and a couple of DXpeditions.

Note that several of our Saturday afternoon sessions are long, running from 2 until 5 PM or so.

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**NOTE:** After each seminar title is a letter in brackets indicating which topic track it's in:

[T] = Technical                      [B] = Beginner                      [D] = Digital  
[E] = Emergency Preparedness,      [O/G] = Organizational/General Interest.

---

**NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS**

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## (1) TECHNICAL SESSION:

**"Aerials (A) to Zepps (Z) - Clinic and Antenna Building Contest" [T]**

**• Marshall Johnson, Sr. KK7CW, Owner, Aerials Int'l.**

*FRI 2:30 PM to 5:30 PM SEASIDE A, B, C*

This technical session is a comprehensive antenna clinic covering theory, design, construction, and testing. Bring your friends or team for the antenna building contest.

## (2) "Antennas for the Mostly Uninitiated" [B]

**Marshall Johnson, Sr., KK7CW, Owner, Aerials Int'l.**

*SAT 9:30 AM RIVERVIEW A & B*

Especially for the beginner or non-technical person, this session will cover the ABC's of antennas. Speaker will eliminate the "voodoo" from both commercial and home-brew antennas, with straight answers to your questions.

## (3) "Residential Data Networking-the Coming Threat to Amateur Radio?" [T]

**Neil Robin, WA7NBF Director, Special Projects, AT&T Wireless Services.**

*SAT 9:30 AM RIVERVIEW C*

With the Internet exploding, the need for Home Networking is obvious. The computer/telecomm industry "big guns" want to network computers in your home using existing phone and power lines. Most of these new systems are notorious RF noise sources and are susceptible to RF interference.

# Seminar Topic Information

- (4) "RF Safety: The New Rules and Health [T] Dr. Wayne Overbeck N6NB, Professor of Communications, California State University, Fullerton  
SAT 9:30 AM SEASIDE A

This presentation is about the FCC's new RF safety rules - and why they were adopted - by a former communications attorney familiar with the history and politics of this public health issue. (See <http://commfaculty.fullerton.edu/woverbeck/N6NB.HTM>).

- (5) "Vacuum Tubes: The Mystery that led to an Empire" [O/G] George Kirkwood, Senior Engineer (retired), Rodgers Organ Co.  
SAT 9:30 AM SEASIDE B

This is the story of the beginnings that brought thermionic emission under control, and the discoveries that led to multi-element tubes.

- (6) "Introduction to Packet Radio: Your System and the Network" [D] Ken Wilhelmi, N7QQU, Assistant SEC, Section Government Liaison  
SAT 9:30 AM SEASIDE C

You will understand the basics of packet radio from your station and beyond. Various uses of Packet radio from e-mail, file transfers, and ARES/RACES will be discussed.

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# Seminar Topic Information

- (7) "Antenna Hints & Kinks" [T]  
**Marshall Johnson Sr., KK7CW, Owner, Aerials Int'l.**  
*SAT 11:00 AM RIVERVIEW A & B*  
Straight-forward, innovative solutions to age-old antenna challenges are presented. Everyone has owned an antenna that didn't work; now you can figure out why.
- (8) "International Transmitter Hunting: Competing Against the World's Best" [T] **Dale Hunt WB6BYU**  
*SAT 11:00 AM RIVERVIEW C*  
For the first time, an American team competed against Tx hunters from 30 other countries in the World Championships. This summer participants from around the world will come to Oregon for the first regional championships. You could win a medal! Transmitter hunt afterwards.
- (9) "Amateur Radio at the New York City Marathon: a Public Service and Public Relations Triumph" [E] **Stephen Mendelsohn W2ML, First Vice President, ARRL; Communications Coordinator, NYC Marathon**  
*SAT 11:00 AM SEASIDE A*  
Hear how Steve coordinates communications for the world's largest marathon, with 400 volunteers using 12 nets on 5 repeaters and 7 simplex frequencies. He will discuss planning, recruiting, personnel deployment, and the PR opportunity afforded by the event. Steve has been race coordinator since its inception in 1976.

## Antennas & Accessories including

### THE BIG DK-DX

Don Johnson, W6AAQ's  
3.5 -- 30 MHz mobile antenna

manufactured by:

*H. Stewart Designs*

P.O. Box 643  
Oregon City, OR 97045

See *Worldradio*, Oct 1994 issue

*H. Stewart Designs* (503) 654-3350

# Seminar Topic Information

- (10) "Radio Propagation in the Ionosphere" [B] Dr. Alan Chandler, K6RFK, Director, Research & Development, Kalmus Engineering Co.  
*SAT 11:00 AM SEASIDE B*  
How and why your HF radio signal gets from here to there.
- (11) "New Directions in HF Digital Communication" [D]  
Johan Forrer, KC7WW  
*SAT 11:00 AM SEASIDE C*  
A discussion of recent developments in HF digital communications: PSK31, MT63, MTHELL, Q15X25, Digital Speech, and more.
- (12) "Electronic Construction - Tools, Materials, and Methods" [B]  
Emerson Hoyt, WX7E, Director of Engineering, Hoyt Instrument Labs  
*SAT 2:00 PM RIVERVIEW A*  
Various methods of constructing electronic projects are shown, including discussion of tools and materials used. Numerous examples will be on display.
- (13) "Classic Amateur Receivers: A History of Innovation" [O/G]  
Tom Rousseau K7PJT  
*SAT 2:00 to 5 PM (long session) RIVERVIEW B*  
A look at the innovations and important inflection points in the development of superheterodyne receivers through the end of the vacuum tube era. Special focus is given to the extraordinary radios and why they were apart from the pack. Photographs, examples, and working receivers will be on display.
- (14) "The 'QRP FOREVER!' QRP Forum" [T]  
Bill Todd, N7MFB; Founder & President; Northwest QRP Club.  
Wes Hayward, W7ZOI; Author; QRP Pioneer.  
Bruce Franklin, KG7CR; QRP Equipment Designer.  
Roger Steyart, K7RXV, EE; Active QRPer.  
Russ Carpenter, AA7QU; Founder, Adventure Radio Society.  
*SAT 2:00 PM to 5:30 PM (long session) RIVERVIEW C*  
Wes will introduce a new, simple transceiver design he has developed.  
Bruce will talk on QRP from the 20s to the 50s.  
Roger discusses verticals and NVIS propagation.  
Russ will tell us about ARS and remote QRP operating.
- (15) "ARRL Forum: What's Happenin' with ARRL and FCC?" [O/G]  
Greg Milnes, W7OZ, Director, ARRL Northwestern Division;  
Stephen Mendelsohn, W2ML, First Vice President, ARRL;  
Jim Fenstermaker, K9JF, Vice Director, ARRL Northwestern Division.  
*SAT 2:00 PM SEASIDE A*  
After short talks by our directors and guest, there will be a Q & A session on license restructuring, enforcement, international amateur permits, and other good stuff.

# Seminar Topic Information

- (16) "CW Proficiency: [T]  
**Part 1- Listen Ahead, Write Behind; Build a Morse Code Buffer**  
**Part 2- Inside the Mind of the CW World Record Holder"**  
**Bill Balzarini KL7BB**  
**Harry Lewis, W7JWJ, ARRL Section Manager, Western Washington**  
*SAT 2:00 PM to 5:30 PM (long session) SEASIDE B*  
Learn the Secrets to Copying the Morse Code: 5 to 13 wpm, to 20 wpm, to 40 wpm. This method can help you over most code hurdles. W7JWJ will talk on nutritional needs to go for a World Record, over 77 wpm at 100% accuracy. Will show a video on high speed copying. Q & A afterward.
- (17) "APRS - the Automatic Position Reporting System" [D]  
**David Dobbins, K7GPS, Coordinator, Northwest APRS**  
*SAT 2:00 PM SEASIDE C*  
This is an introduction to APRS and covers equipment requirements, station setup, getting on the air, sending information over the air, wide-area digipeaters, & specifics of the NWAPRS network. (Followed immediately by a session on public service applications of APRS.)
- (18) "VHF DX: You Can Do It!" [T]  
**Chip Margelli, K7JA, Manager, Engineering/R&D, Yaesu USA**  
*SAT 3:45 PM RIVERVIEW A*  
The VHF and UHF bands aren't restricted to local communications. Learn how to use simple equipment and antennas for long-haul DX above 50 MHz - even moonbounce!
- (19) "Advanced Packet: Emergency Internet Access via Amateur Radio" [D]  
**Steve Stroh N8GNJ**  
*SAT 3:45 PM SEASIDE A*  
This seminar is a discussion and possible demonstration of the use of Amateur Radio TCP/IP to provide internet access in emergency situations.
- (20) "APRS in Public Service" [E]  
**David Dobbins, K7GPS, Coordinator, Northwest APRS**  
*SAT 3:45 PM SEASIDE C*  
The discussion will focus on useful applications of APRS in public service including emergency and disaster support, plus non-emergency support where tracking of assets is helpful.

## RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) will have a test bench on the west side of the exhibit area. Test equipment will include a power supply, speaker, voltmeter, frequency counter, oscilloscope and watt meters. Buyers and prospective buyers are encouraged to make use of this service to check out those flea market treasures and unbelievable bargains.

Neither RAGS nor SeaPac accepts any responsibility for the condition or operability of any equipment, nor can they be held culpable for any equipment damaged as a result of test gear usage.

# Seminar Topic Information

- (21) **"Electronic Construction - Tools, Materials, and Methods" (Repeat) [B]**  
**Emerson Hoyt, WX7E, Director of Engineering, Hoyt Instrument Labs**  
*SUN 9:15 AM RIVERVIEW A*  
Various methods of constructing electronic projects are shown, including discussion of tools and materials used. Numerous examples will be on display.
- (22) **"Quads vs Yagis Finally Resolved. (Be Prepared for Some Surprises)" [T]**  
**Ken Glanzer K7GCO/WØLMB, EE**  
*SUN 9:15 AM RIVERVIEW B*  
The age-old argument of which is best is completely analyzed and put to rest once and for all. The best multiband beam is described, based on performance, cost/band/dB, and size. Extensive EZnec data, on-air comparisons, and experience settle the argument.
- (23) **"VHF Roving: DXpeditions on a Budget" [O/G]**  
**Dr. Wayne Overbeck, N6NB, Professor of Communications, California State University, Fullerton**  
*SUN 9:15 PM RIVERVIEW C*  
Not everyone can go on a DXpedition to a foreign land. But almost every radio amateur can put a modest VHF station in a car or truck and go to a rare grid square for a VHF contest such as the one coming up in two weeks. Illustrated with a slide show.
- (24) **"Y2K Preparedness: Are You Ready?" [E]**  
**Ron Kruml, KB7JCP, Emergency Preparedness Educator**  
*SUN 9:15 AM SEASIDE A*  
This seminar will present information on how potential Y2K problems can affect your family, home, and business. It provides a practical approach to Y2K preparedness along with useful resources.
- (25) **"What is This Thing Called 'Amateur Radio'?" [B]**  
**Jim Fenstermaker, K9JF, Vice Director, ARRL Northwestern Division**  
*SUN 9:15 AM SEASIDE B*  
This seminar is a quick tour of the many facets of amateur radio. It is meant to describe the hobby to those interested in radio, parents of budding hams, and newcomers to the hobby.
- (26) **"ARES/RACES Oregon State Emergency Packet Net" [E]**  
**Ken Wilhelmi N7QQU Assistant SEC, Section Government Liaison**  
*SUN 9:15 AM SEASIDE C*  
We will explore the use of packet radio for ARES/RACES emergency communications. The issues of emergency power, message standards, training, network usage, and Y2K concerns will be discussed.
- (27) **"Limited Space Emergency Antennas" [T]**  
**Marshall Johnson, KK7CW, Owner, Aerials Int'l.**  
*SUN 10:45 AM RIVERVIEW A*  
Be ready for Y2K by having an antenna you can put almost anywhere. "Life-saving" antenna designs when you don't have acres of space.

**Seaside Convention Center is a No Smoking Facility**  
**ORS 433.839 and 433.875**

# SEA PAC Committees

Thanks To All The Volunteers Who Helped Make This Convention A Success!!!

Due to publication deadlines, we apologize for any omissions

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Al Berg, WB7SIC  
Jim Schaeffer,  
KB7AAAAADH  
Brad Beach, N7NVC  
Will Sheffield, N7THL

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Randy Stimson KZ7T

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Harold Landers, WAØBRU  
Laurel Blanchard  
Jim Blanchard, KC7RZB  
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Al Berg, W7SIC

## REGISTRATION

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Gene Single, K7IUN

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Gordon Lange, N7GCA  
Evelyn Lange, N7HAA  
Diane Hankins, N7XAD  
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Judy Ames, N7SRS  
Wayne Schuller, AI9Q  
Luther Briskey, KC7KVL  
Barbra Yasson, KC7KQI  
Phil Yasson, AB7RW

## BANQUET PROGRAM

Al Berg, W7SIC

Committee Chairmen underlined

# Seminar Topic Information

- (28) "A New Look at Slow-Scan TV" [T]  
**Ray Fletcher, KB7VMS, Avionics Manager, Sea Launch Program**  
*SUN 10:45 AM RIVERVIEW C*  
A demonstration and application of the Kenwood VC-H1 and consideration for use during emergency operations, public events, and recreational use.
- (29) "Living With Earthquakes in the Pacific Northwest --and What First Responders Should Know and Do" [E]  
**Diane Merten, Chair, Benton County Emergency Management Council, and Project Impact**  
*SUN 10:45 AM SEASIDE A*  
Living with Pacific Northwest earthquakes: What do scientists say? What is the Cascadia subduction zone? What do we learn from studies using the Global Positioning System? What happened in January 1700? What are the probabilities of another "big one"? So what should first responders know and do?
- (30) "A 'Suitcase DXpedition' to the Caribbean" [O/G]  
**Ron Vincent WJ7R, DXer/Contester**  
*SUN 10:45 AM SEASIDE B*  
A presentation on how to maximize ham travel to foreign locations, station and antenna setup, and playing tourist as well.
- (31) "Ham Radio & Emergency Management" [E]  
**Tom Manning, KK7OU Director, Tillamook County Emergency Management**  
*SUN 10:45 AM SEASIDE C*  
This seminar will discuss local agreements, emergency operations, recovery operations, and exercises.

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## Get your SEAPAC '99 Souvenir Pin

*A real beauty for your vest or hat in striking blue and yellow*

**This will become a real collectors item.  
We have a limited supply – they'll go fast**

**Get yours early at the Registration Desk**



**ONLY \$5.00 EACH**

**We also have a few left from previous years**

*"The Northwest's Largest Ham Convention"*



# SEAPAC 2K

**June 3 & 4 2000**

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**Registration Info:**  
Will Sheffield, N7THL  
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**Fill out the form below and leave it at the Registration Desk  
to receive information on SeaPac 2K.**

I want to be part of SeaPac 2000. Please Send Me:

- Registration Form
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Topic \_\_\_\_\_
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# METROPOLITAN AMATEURS' PICNIC

for Grid Square CN85

**SEPTEMBER 25, 1999**

**SAT, 11am to 3 pm**

**RED SUNSET PARK in GRESHAM, OREGON**

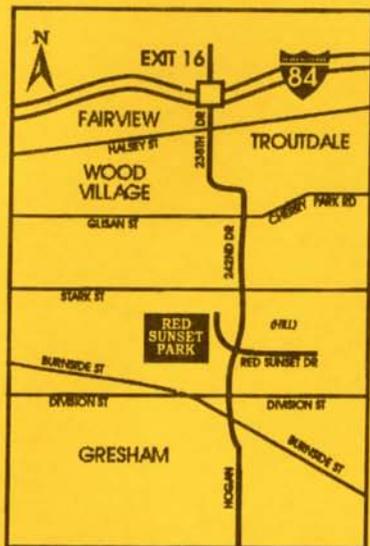
**TALK IN:** 147.28+ Mhz

**FOOD:** The organizers will provide hamburgers and hot dogs et al. Attendees are requested to bring their own beverage (no alcohol) and either a **salad or dessert**. Plates and utensils will be provided. **Eat at noon.**

**COST:** The cost will be **\$1.00 per person**. Children age 11 and under free. The maximum charge will be \$4.00 per family.

**DETAILS:** The picnic location will be under two ample shelters so rain is not a worry. Please bring your family and non-ham friends but not your pets. Especially welcome are hams without a club. Non-club members - Please RSVP to Gene so we will have enough food.

**QUESTIONS?** Call Gene Buell, KA7KBH  
(503) 614-0563



#### **Directions to Red Sunset Park from I-84**

From I-84 Exit 16 (Wood Village), turn right and go south 2 miles on NE 238th Dr/SE 242nd Dr/NE Hogan Dr (street changes name) to Red Sunset Dr, turn right and go west 1/2 block.

#### **Directions from surface streets**

From Intersection of Burnside and Division St, go east 0.2 mile on Division St, to SE 242nd Dr then turn left and go north on SE 242nd Dr 0.6 mile to Red Sunset Dr then take left and go west 1/2 block.

**I-84, WOOD VILLAGE EXIT  
IS NOW REOPENED!!!!**

Visit our picnic website at  
[Http://www.Parg.Org/MAP](http://www.Parg.Org/MAP)

# Young Ladies' Radio League

Since 1939, the oldest international organization committed to encouraging women in Amateur Radio.

YLRL Luncheon  
at the Oceanview

Featured Speaker:

**Robin**

**Parker-Resnick, KJ7BI**

**"Handi-Hams"**

Robin is active with  
Handi-Hams and is a  
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Meet other YLs!  
Enter our Drawings!



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in Friendship through Amateur Radio.  
Join Us!!**



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