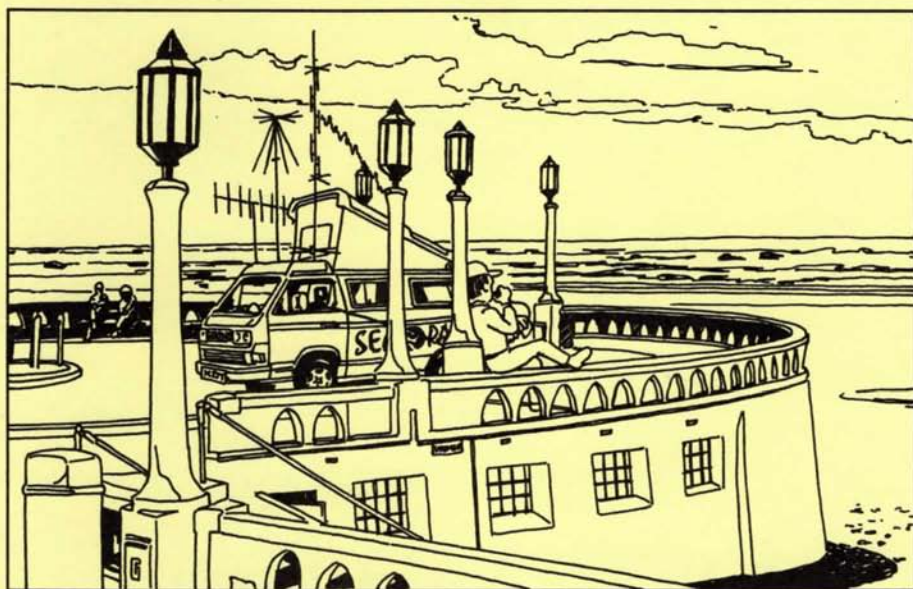




SEA PAC



ARRL Northwest Division Ham Convention



Seaside Convention Center Seaside, Oregon

JUNE 3 & 4, 1995

Presented by
Oregon Tualatin
Valley Amateur
Radio Club



145.38 (-)

MHz

2 METER
IN-HOUSE
REPEATER



- 👉 KEEP TRACK OF FRIENDS
- 👉 MEET NEW FRIENDS
- 👉 LEARN ABOUT GOOD
FLEA MARKET DEALS
- 👉 FIND WHAT YOU WANT
FAST

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Welcome to SeaPac 1995

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

Co-Sponsors include Hoodview Amateur Radio Club, Sunset Empire Amateur Radio Club, TEchnology RAC (formerly Tektronix Employees RAC), and Radio Amateurs of the Gorge.

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 3, 1995.

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

Kids Krayons & Kartoons

Sea Mist Room

Saturday, June 3 - 9:30 AM to 5:00 PM

Sunday, June 4 - 9:00 AM to 2:00 PM

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

Talk-in Station: 146.660 (-600) MHz

LADIES PROGRAM

Ladies Hospitality Suite, Aloha Inn, Room 125

SCHEDULED HOURS

Friday, June 2	5 pm to 8 pm	Coffee, Conversation and Cards
Saturday, June 3	9 am to 5 pm	Coffee, Treats and Seminars
Sunday, June 4	9 am to 12 noon	Coffee and Treats

Special Feature

Manicures and Skin Care Consultation

Jane Crawford , Mary Kay Cosmetics

Saturday, 10:00AM to 4:00PM

Ladies Seminars

Saturday 10:00 to 11:30am

Self-defense Seminar
Citizens Against Crime

Saturday 2:00 to 5:00 pm

Arts and Crafts Classes
A variety of quick and easy crafts for all skills and ages.

LADIES LUNCHEON

**Oceanview Best Western
Seaside Room**

Saturday 11:30AM - 2:00PM

Luncheon Menu: Chicken Bavarian

Marsha Robin, KA7CSZ

“Communications at the 1995 Iditarod Dog Sled Race”

PORTLAND HAM FAIR

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Alinco

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Amateur Radio Relay Group

American Red Cross

AMSAT

Amsoft

ANLI Corp

Antennas Northwest

Azden

Badges "R" Us

Battery Tech

Bearcat Radio Club

Charles Simmons

Comm Systems Intermountain

Communication Works

Computer Nut

Cynthia Wall

DC Power

DC Tech

Dunestar Systems

Electronic Rainbow

E. H. Yost/Mr. Nicad

Gee Tech Ltd.

Ham Radio Outlet

Hats for Hams

Hobby Electronics

Hoodview ARC

ICOM America

Kenwood Communications

Larsen Electronics

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MARS

Missouri Project

Motron

Nuts & Volts Magazine

Oasis Technology

OEM Services

Packet Books Co.

Pioneer Software

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Positive Time Systems

QCWA

QSL & OH's

Radio Control Systems Inc

Ramsey Electronics

Radio Shack

ScanWare Associates

Seaside Electronics

Smiley Antennas

Solder-It Company

Sound Radio Products

Sports Comm Dist.

Standard Radio

Star Fire Tec

Startek International

T. J. Antenna Company

Ten-Ten Club

The Radio Place

Thomas Bruckner TX Tubes

Tucker Electronics

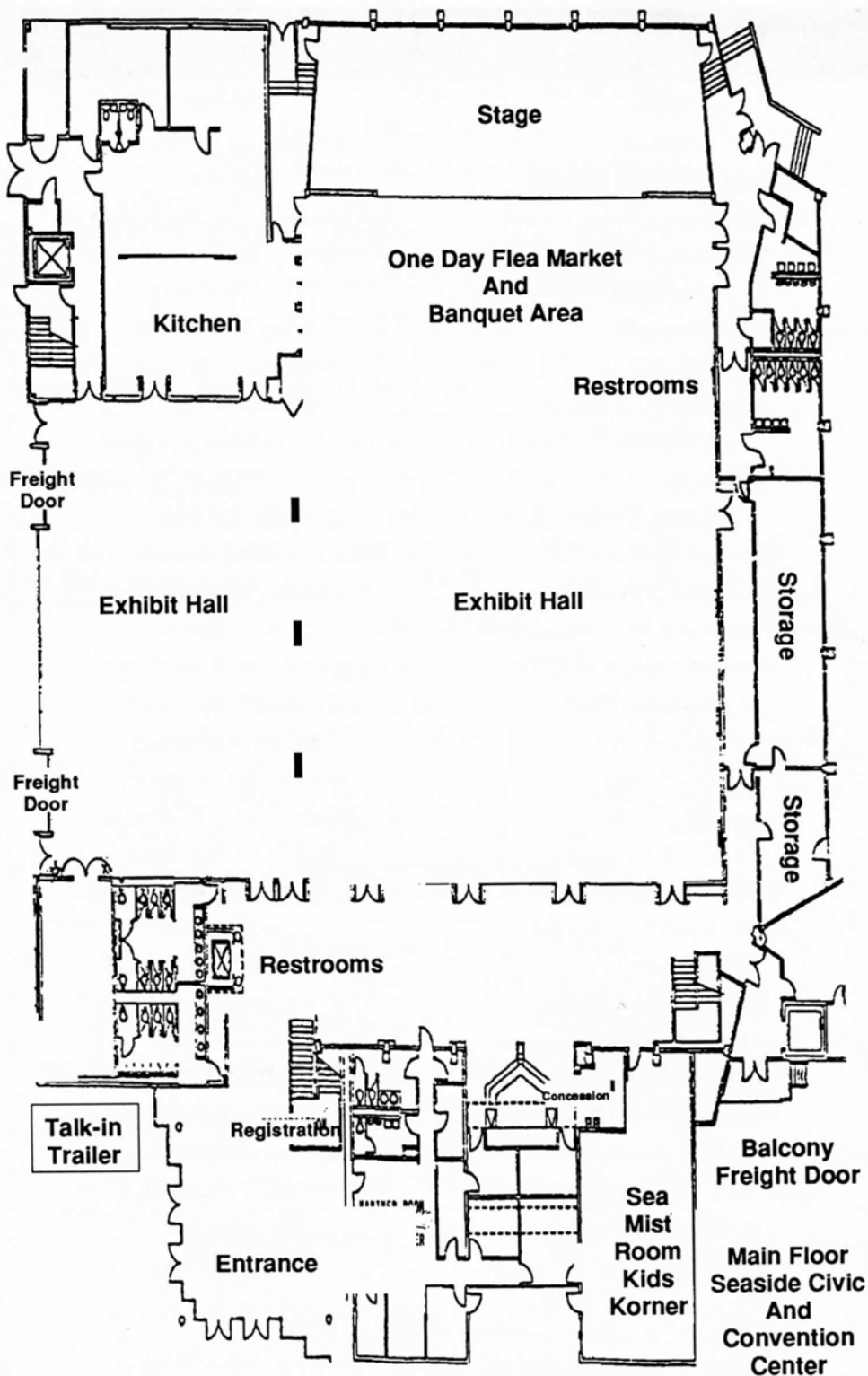
Willamette Valley DX Club

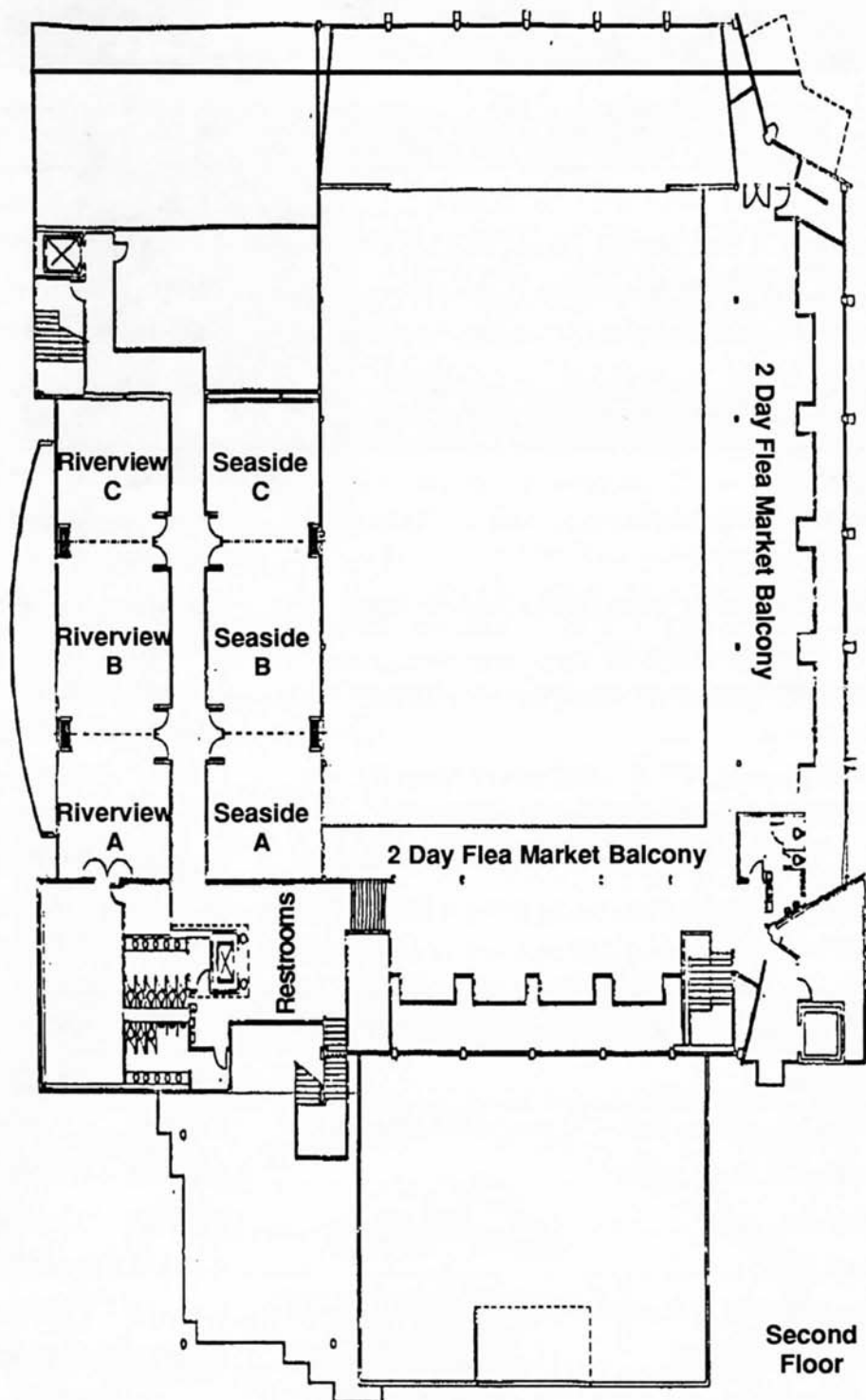
Wireman Inc.

Yaesu USA

Prize Donors shown in Bold

Due to publication deadlines we apologize for any omissions.





Convention Schedule

Friday, June 2

Registration	11:00AM- 8:00PM
Exhibitor & Flea Market Setup (SETUP ONLY)	11:00AM-9:00PM
ARRL RFI/EMI Workshop (Convention Center) ... 12:00N - 6:00PM	
Ladies Hospitality Suite (Aloha Inn, Room 125)	5:00PM - 8:00PM

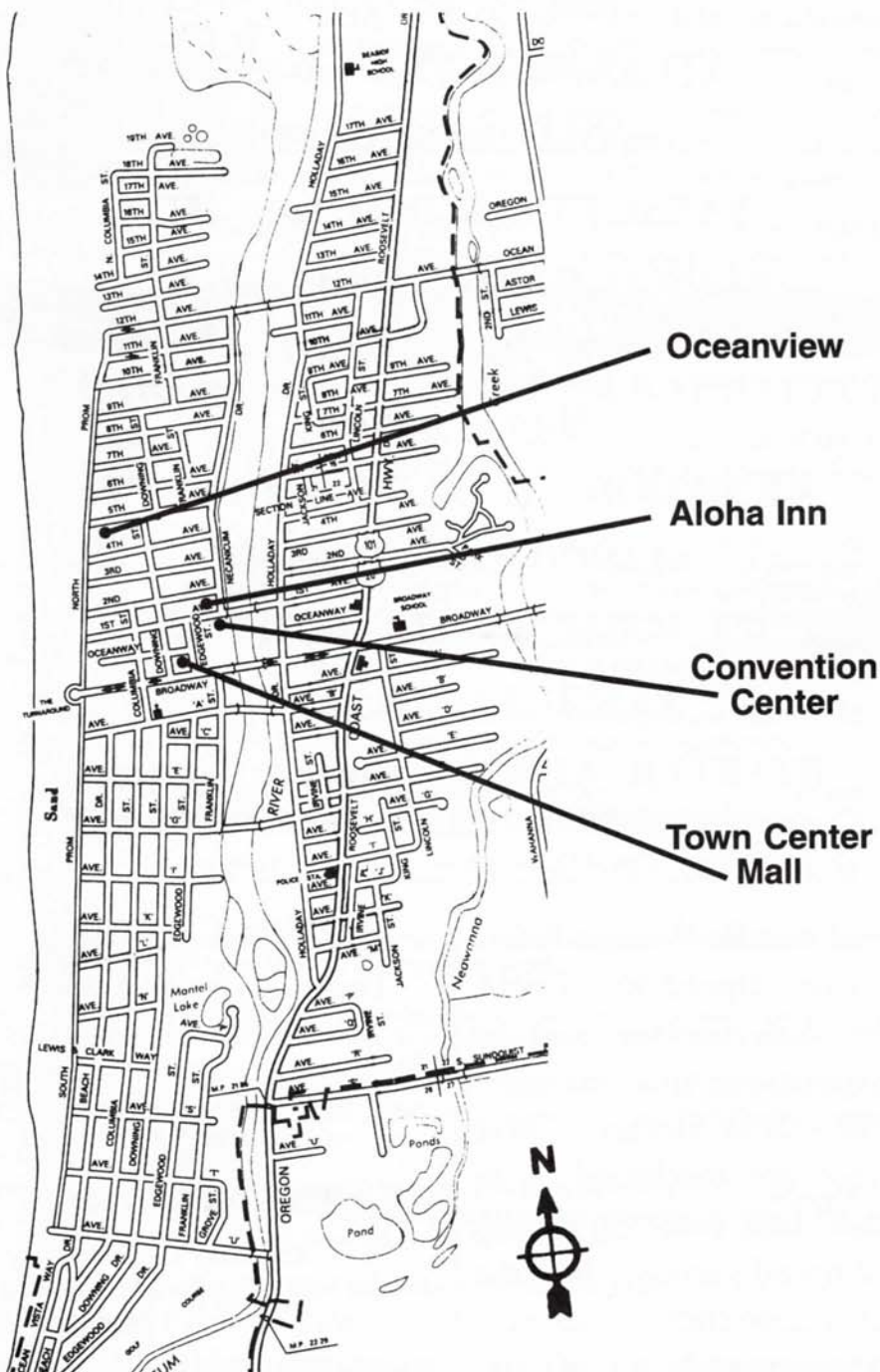
Saturday, June 3

Registration	8:00AM - 4:30PM
Exhibits & Flea Market	9:00AM - 4:30PM
Snack Bar	9:00AM - 5:00PM
Ladies Hospitality Suite (Aloha Seaside Room 125)	9:00AM - 5:00PM
Kids, Krayons & Kartoons	9:00AM - 4:30PM
VE Exams (Pre-registered Only. Our Saviour's Lutheran Church)	9:00AM - 12:00N
Seminars	9:30AM - 5:00PM
ARES Meeting (EC & AEC only) (Town Center)	1:00PM - 3:00PM
ORRC Meeting (Pizza Harbor Restaurant)	1:00PM - ????????
QCWA Luncheon & Program (Oceanview Ballrooms 1 & 2) ..	12:00N - 2:00PM
Ladies Luncheon & Program (Oceanview Seaside Room) ...	11:30AM - 2:00PM
Banquet	7:00PM - 9:30PM

Sunday, June 4

Registration	8:30AM - 12:00N
Ladies Hospitality Suite (Aloha Seaside Room 125)	9:00AM - 12:00N
Exhibits & Flea Market	9:00AM - 1:30PM
Seminars	9:30AM - 12:00N
Snack Bar	9:30AM - 2:00PM
Kids, Krayons & Kartoons	9:00AM - 2:00PM
Grand Awards	1:00PM - 2:00PM
Convention Closes	2:00PM

Seaside Area Map



Prize Drawing Information

Need Not Be Present

ATLAS 400-X HF Transceiver

ICOM 2000H 2m HT

YAESU FT-51R Dual Band HT

ALINCO DJ-582T Dual Band HT

ICOM 2GAXT 2m HT

Must be present

KENWOOD TH-79AD Dual Band HT

ALINCO DJ-F1T 2m HT

ICOM IC-T21A 2m HT

YAESU FT-11R 2m HT

STARTEK ATH-10 Frequency Counter

(NONE BY PROXY - YOU MUST BE PRESENT)

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

SPECIAL

Early Bird Prize

T. J. Antenna Company
Model BB3 Mobile HF Antenna
with Remote Tuning

KENWOOD TH-22AT 2m HT

SEA PAC Committees

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

Due to publication deadlines, we apologize for any omissions

EXECUTIVE COMMITTEE

Randy Stimson, KZ7T
Jim Schaeffer, KB7ADH
Al Berg, WB7SIC
Bradley Beach, N7NVC

TREASURER

Susan Benson, N7EPE

HAM & CLUB AWARDS OF THE YEAR

Susan Benson, N7EPE
Randy Stimson, KZ7T

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Al Berg, WB7SIC

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Theo Benson, WA6BEJ
Carolyn Howells, WA7SVV
Ivan Looch, N7PRM
Wayne Allen, KB7OYI
Wes Allen, K7WWG
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Joel Damiano, KA2JDY
Camber Bybee, KB7RGX
Chris Stubblefield, KC7HTL

LADIES PROGRAM

Norma Sheffield, KC7EKS
Sharon Williams, KC7DNK

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Chuck Mickley, KI7CL
Mike Moore, KB7WRH
Sal Spagnole, KA7ZDL
Judy Spagnole, KC7JNE
Ann Boyd
Joe Boyd, N7VZS

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Jack Smithson, KA7HOJ
Will Sheffield, N7THL

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Mike Durr, KA7PWZ
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TEchnology R.A.C.

Gene Single, K7IUN
Russ Fillingier, W7LXR

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Alene Linehan, KA7CXP
Gordon Lang, N7GCA
Dan Sealy, AA7OA
John Hankins, N7WRG
Diane Hankins, N7XAD
Terrie Hillgaertner, N7WRA

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Jim Fenstermaker, K9JF
Mike Gauland, AA7JF
Carolyn Pooley, WB7VBK
Dick Pooley, W7HUY
Darin Snow, KJ7ID

BANQUET PROGRAM

Al Berg, WB7SIC

Committee Chairmen underlined

Seminar

Riverview A
Riverview B
Riverview C

Friday Afternoon, June 2

**12:00
noon
to
6:00
PM**

* **SEE PAGES 16 - 19 FOR SEMINAR TOPIC DESCRIPTIONS** *

Saturday Morning, June 3

**9:30
AM**

(2) DXing Without the Spots
Chip Margelli, K7JA

**(3) Grounding:
When it's Important**
Al Chandler, K6RFK

**11:00
AM**

(6) Lets Talk Antennas
Roy Lewallen, W7EL

**(7) RFI and the
Radio Amateur**
Ed Hare, KA1CV

Saturday Afternoon, June 3

**1:00
PM**

(10) Youth Forum
Rosalie White,
WA1STO
with Susan Helms

**(11) Wilderness
Radio**
D. Aucsmith, N7VKC

**(12) Near Vertical
Incidence Skywave
Communication**
Ed Farmer, AA6ZM

**2:30
PM**

**(15) Electronics
Construction -
Methods, Tools &
Materials**
Emerson Hoyt, WX7E

**(16) Packet Radio
TCP/IP Networking**
Roger Nace, K7AYC
Steve Stroh, N8GNJ

(17) ARRL Forum
Mary Lou Brown,
NM7N

**4:00
PM**

**(20) Setting up an
HF Station**
Dale Hunt, WB6BYU

(21) Life in Space
NASA Astronaut
Susan Helms, Lt. Col.
USAF

**(22) Communication
Security**
D. Aucsmith, N7VKC

Sunday Morning, June 4

**9:30
AM**

**(25) New Activities
for New Hams**
Rosalie White,
WA1STO

**(26) Wire and
Cable**
Press Jones, N8UG

**(27) On the Trail
of Adventure**
Cynthia Wall, KA7ITT

**11:00
AM**

**(30) Electronics
Construction -
Methods, Tools &
Materials (Rpt)**
Emerson Hoyt, WX7E

**(31) Antenna Pattern
Demo**
Press Jones, N8UG

**(32) Electronic
Troubleshooting**
Ed Hare, KA1CV

Schedule

Seaside A

Seaside B

Seaside C

Friday Afternoon, June 2

(1) Workshop

“Electromagnetic Compatibility and the Radio Amateur”

Ed Hare, KA1CV

Saturday Morning, June 3

**(4) Amateur Radio and
Emergency
Communications**
T. Burroughs, KB7HEK

(5) Beginning Packet Radio
Mike Dunlap, K7MYU

**(8) Floods of 1994
and 1995**
Gary Gilham, KA7PLB

(9) Intermediate Packet - BBS Operation
Evan Burroughs, N7IFJ

Saturday Afternoon, June 3

**(13) Technical Skills
for Emergency
Responders**
Dale Hunt, WB6BYU

**(14) Win Packet Friends by Reducing
Retry Rate (Advanced Packet)**
Jim Wagner, KA7EHK

**(18) Amateur Radio
Communications for
Medical Systems in
Disasters**
Ned Worcester, KB7NFO

**(19) Overview of the HF
Data Communications Modes**
Ray Petit, W7GHM

**(23) Spectrum
Management Forum**
Clay Freinwald, K7CR
James Kaplan, KG7FU

**(24) FORUM: Help Develop a New HF
Digital Keyboarder Mode**
Ray Petit, W7GHM

Sunday Morning, June 4

(28) Sound Shake '95
Gene Underwood,
W7AKA

(29) Beginning Packet Radio
Mike Dunlap, K7MYU
(Repeat)

**(33) Emergency
Planning for First
Responders**
Diane Merten

(34) Intermediate Packet - BBS Operation
Evan Burroughs, N7IFJ
(Repeat)

ARRG

1975~1995

147.32
442.325
South Saddle

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Cedar
Mill

147.04
442.225
KOIN TV

147.12
Mount
Hood

Amateur Radio Relay Group

**Celebrating The 20th Anniversary Of
The South Saddle Mountain Repeater
With Two Raffles For SeaPac 1995:**

#1: Public Raffle:

**A Yaesu FT530 Dual-Band HT
5 Tickets Cost \$1**

#2: Members-Only Raffle:

Another Yaesu FT530!

**Each ARRG Member Who Shows Up
Will Receive One Free Ticket!**

**All current (paid) members of ARRG who visit the
ARRG booth will be given one free raffle ticket for
the members-only drawing. Those who renew or
join in person during the show also qualify!**

**Both Prizes Are To Be Drawn During The
Award Ceremony On Sunday
You Need Not Be Present To Win**

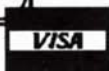
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VIEW for 1995 from R.C.S.I

The RC-740X Band Unit Expansion Box

Now is the time to upgrade your Kenwood® TM-741 A® or TM-742 A®

The RC-740X has been designed to accommodate those Hams who require more capacity for their dollar. With it, you may install up to four additional units. This allows you the option of having all six bands, either mobile or at your base station. No longer must you decide which upgrade band units you will do without. Purchase any or all four of them. The RC-740X has been designed with the Ham in mind, allowing you to install it easily in your Kenwood radio. Simply follow the clear instructional guide and you will be up and ready for that elusive QSO.

Size: 4" (H) x 6" (W) x 5.75 (D)

Power: 13.8 VDC
100 ma minimum

Capacity: Four Kenwood band units:
28 MHz, 50 MHz,
220 MHz, 1200 MHz

Empty Weight: 2 lbs.

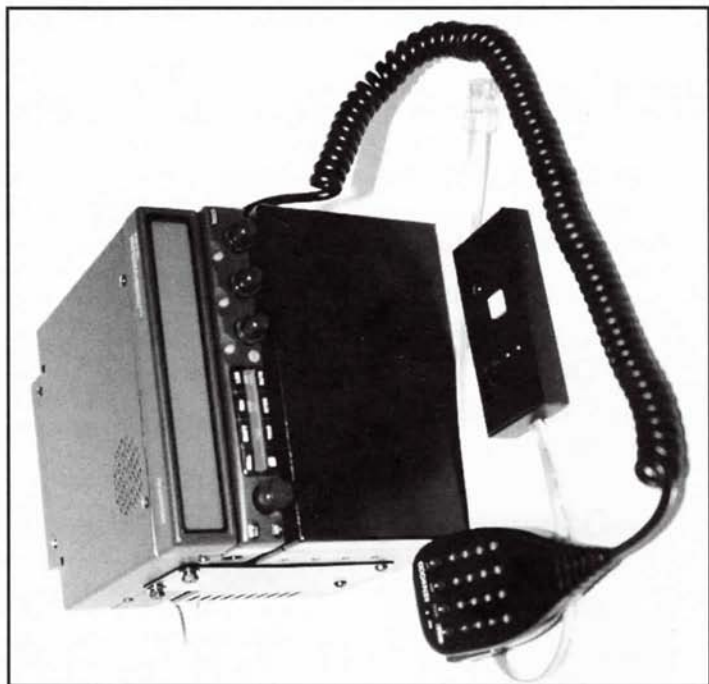
Remote Mount Compatible

Compatibility: Kenwood

• 741 A • 742 A
• 641 A • 642 A • 942 A

\$399⁰⁰

Plus tax &
shipping



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- AOR 3000/3000A • ICOM R7000/R7100
- PerCon Database Import

Features:

- Memory banks include 100 channels per bank with frequency, description and mode.
- Search ranges include frequency, step, mode and description.
- Data logging to the file includes date and time stamp, signal strength, tone and number of hits, location**.
- Logged data can be edited and converted to a memory bank.
- Spectra analysis uses search ranges or displays logged data.
- CTCSS & DCS controlled scanning with Opto 456/535.
- Scan multiple groups, banks or search ranges at the same time.
- Birdie Control File.
- Unlimited file size.
- Import PerCon FCC Database and comma delimited ASCII.
- CTCSS & DCS scanning on R7000/R7100, AOR 3000/3000A with optional RC-125

All trademarks the property of their respective owners. *R7000 Requires RC-7 Hardware Adapter ** Requires PerCon Database.

RC-125 Tone Interface Box

Hardware interface module that contains built-in level converter and squelch detector, which eliminates the need for the CT-17. This allows programming with CTCSS, DCS, & DTMF for ICOM R7000, R7100, & AOR 3000/3000A.

\$199.00

RC-7 Squelch Detector

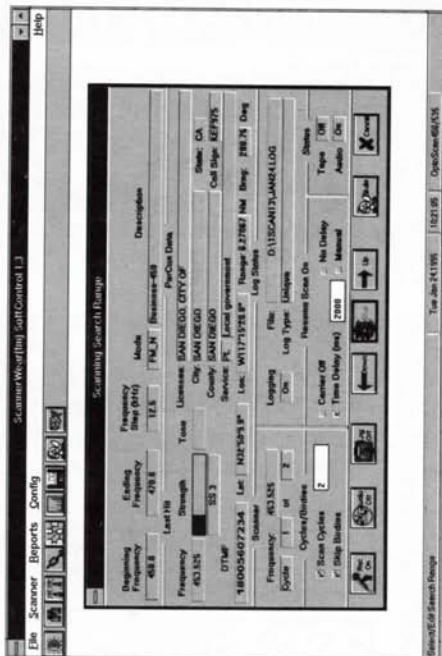
A serial line adapter for ICOM R7000 for use with ScannerWEAR SoftControl 1.3.

\$19.95

RC-232 Single Port Level Converter

for ICOM series with built-in squelch detector for R7000 & R7100.

\$49.95



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Seminar Topic Information

The SeaPac 95 Seminar Program again features 34 outstanding presentations by persons who are experts in their field, on topics which are both interesting and important to the amateur community. We believe you'll find them worth your while.

The program includes seminars in five topic tracks. Five are dedicated to Beginners, 6 to Emergency Preparedness, 8 to Packet and HF Digital Communications, 9 to Technical subjects not in one of the other tracks, and 6 to Organizational/General Interest subjects. One seminar in the Beginners track and two in Digital Communications are repeated Sunday morning.

A technical workshop is being offered again this year, on Friday from 12:00 noon to 6:00PM. Given by Ed Hare, KA1CV, ARRL HQ Laboratory Supervisor, this workshop on Electromagnetic Compatibility (RFI) is designed to help radio amateurs, public utility engineers, and others cope with this sometimes perplexing problem.

As before there will be opinion survey slips in each of the seminar rooms. Please fill these out with your comments and recommendations; it's important for us to know what you think.

NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS

- (1) **Workshop: "Electromagnetic Interference and the Radio Amateur"**
• **Ed Hare KA1CV, ARRL Laboratory Supervisor**
FRI 12:00 NOON to 6:00 PM SEASIDE A, B, & C
This all-day workshop is designed to help radio amateurs, their neighbors, public utility companies, and others with radio-frequency interference problems. Ed will discuss electromagnetic compatibility fundamentals and regulations, personal aspects of EMI problems, publications and other sources of help, and solutions for audio, computer, telephone, TV, power line, and many other applications.
- (2) **"DXing Without the Spots" • Chip Margelli K7JA, Technical Support Manager, Yaesu U.S.A.**
SAT 9:30 AM RIVERVIEW A & B
Don't let anyone tell you that "DX is dead" just because the sunspot numbers are down. Amateur Radio affords many DX opportunities at all points of the sunspot cycle. Learn how from a veteran of 3 solar cycles!
- (3) **"Grounding: Antennas, Equipment, Circuits, Power, and Lightning Protection"**
• **Dr. Alan Chandler K6RFK**
SAT 9:30 AM RIVERVIEW C
A description of when good grounds are needed and when they may be useless. Some fallacies exposed. Station grounds explained. Grounding of towers and some possible dangers. Grounds in relation to antennas explained.
- (4) **"Amateur Radio and Emergency Communications"**
• **Tami Burroughs KB7HEK, Communications Specialist, Oregon Emergency Management, Division of State Police**
SAT 9:30 AM SEASIDE A
Introduction and overview of amateur radio emergency communications in the State of Oregon.
- (5) **"Beginning Packet Radio" • Mike Dunlap K7MYU**
SAT 9:30 AM SEASIDE B & C
This is a basic introduction to packet radio. Included is a discussion of how to make it work, packet commands, and concepts.
- (6) **"Let's Talk Antennas" • Roy Lewallen W7EL**
SAT 11:00 AM RIVERVIEW A & B
A free-form discussion about antennas, baluns, and related topics. W7EL will answer your questions, backed up by slides prepared for a variety of antenna lectures. Bring your questions!

Seminar Topic Information

(7) **"Electromagnetic Interference and the Amateur"**

• **Ed Hare KA1CV, ARRL Laboratory Supervisor**

SAT 11:00 AM RIVERVIEW C

EMI is a problem affecting hams and their neighbors alike. This seminar gives an overview of the politics, personalities, and technical issues involved in EMI control. Common causes and cures are discussed. Question-and-answer session follows.

(8) **"The Greater Houston and Northern California Floods of 1994 and 1995"**

• **Gary Gilham KA7PLB, Emergency Services Communications Coordinator, American Red Cross, Portland; National Disaster Responder, American Red Cross.**

SAT 11:00 AM SEASIDE A

Overview of the October 1994 Greater Houston floods and the January 1995 Northern California floods. These disasters were very large in both victims and area. The role played by ARES in disaster communications will be discussed.

(9) **"Intermediate Packet - BBS Operation" • Evan Burroughs N7IFJ, Chief of Packet Operations, Oregon State ARES Unit (N7IFJ SY5OP)**

SAT 11:00 AM SEASIDE B & C

How to effectively use packet radio bulletin board systems. Primary emphasis on WØRLI BBS software.

(10) **"Youth Forum" • Rosalie White WA1STO, ARRL Education Activities Manager and Susan Helms, NASA Mission Specialist**

SAT 1:00 PM RIVERVIEW A

Youth, 16 and under, get to meet NASA astronaut Susan Helms. They'll also meet young people from Washington in Dave Condon's (KI7YP) class, who'll talk about their exciting on-the-air activities.

(11) **"Wilderness Radio" • David Aucsmith N7VKC, Security Architect, Intel Corp.**

SAT 1:00 PM RIVERVIEW B

Seminar covers the use of ham radio in the wilderness with examples from mountaineering. Areas addressed include: packet, VHF/UHF, HF, navigation, and emergency services.

(12) **"Near-Vertical Incidence Skywave (NVIS) Communication: What It Is and How To Do It" • Ed Farmer, P.E., AA6ZM**

SAT 1:00 PM RIVERVIEW C

This presentation explains how to do short range communication in the high frequency bands using NVIS techniques. Propagation, Frequency selection, and antennas are discussed.

(13) **"Technical Skills for Emergency Responders" • Dale Hunt WB6BYU**

SAT 1:00 PM SEASIDE A

This talk will consider technical skills and knowledge which are useful for emergency responders. Topics include power sources, propagation characteristics, antennas, etc.

(14) **"How To Win Packet Friends by Reducing Your Retry Rate" (Advanced Packet)**

• **Dr. Jim Wagner KA7EHK**

SAT 1:00 PM SEASIDE B & C

High retry rates are one of the biggest barriers to efficient and enjoyable packet operation. This seminar discusses methods to improve the situation in ways everyone can understand.

(15) **"Electronics Construction for the Amateur - Tools, Materials, and Methods"**

• **Emerson Hoyt WX7E, Chief Engineer, Hoyt Instrument Lab.**

SAT 2:30 PM RIVERVIEW A

Various types of electronic project construction will be discussed, with both slides and actual samples. Tools, hardware and materials will also be covered, with many display samples.

Seminar Topic Information

- (16) **"Amateur Packet Radio TCP/IP Networking"** • Roger Nace K7AYC, and Steve Stroh N8GNJ, Puget Sound Amateur Radio TCP/IP Group
SAT 2:30 PM RIVERVIEW B
An overview of TCP/IP networking over amateur packet radio, the Puget Sound Amateur Packet Radio TCP/IP Network, and getting started on TCP/IP. Assumes knowledge of amateur packet radio.
- (17) **"ARRL Forum"** • Mary Lou Brown NM7N, Director, Northwest Division, ARRL
SAT 2:30 PM RIVERVIEW C
Update of current issues affecting amateur radio. Input on matters of concern from those present will be most welcome. Representatives from ARRL Hq., ARRL Vice Pres. Jay Holladay W6EJJ, and several ARRL Section Managers and appointees will also be attending.
- (18) **"Amateur Radio Communications for Medical Systems in Disasters"**
• Ned Worcester KB7NFO, W. Washington ARES Medical Svcs Team;
AEC - Technical Services
SAT 2:30 PM SEASIDE A
How amateur radio should respond and has responded to support medical systems during times of disaster.
- (19) **"Overview of the HF Data Communication Modes"**
• Ray Petit W7GHM, Petit Microsystems
SAT 2:30 PM SEASIDE B & C
Amateurs are using six different data modes on HF. How do they compare? Which are best suited to your interests? Each mode - CW, RTTY, AMTOR, HF Packet, Pactor, and Clover - will be described and appraised from many standpoints.
- (20) **"Setting Up an HF Station"** • Dale Hunt WB6BYU
SAT 4:00 PM RIVERVIEW A
This talk will take participants through the process of setting up an HF station, including equipment, accessories, and antennas.
- (21) **"Life In Space"** • Susan Helms, Lt. Col. USAF, NASA Mission Specialist
SAT 4:00 PM RIVERVIEW B
NASA Astronaut Susan Helms will tell about her two Space Shuttle flights, with emphasis on the challenges of living and working in zero gravity. Will describe the exercises and activities to keep in good health. Will also discuss some of the scientific experiments conducted.
- (22) **"Communication Security"** • David Aucsmith N7VKC, Security Architect, Intel Corporation
SAT 4:00 PM RIVERVIEW C
Seminar covers emerging security technologies such as spread spectrum and cryptography and how they can be applied legally to ham radio. Includes suggestions for digital signatures on packet.
- (23) **"Spectrum Management Forum"** • Clay Freinwald K7CR and James Kaplan KC7FU, ARRL Spectrum Committee
SAT 4:00 PM SEASIDE A
"Ham Radio above 50 MHz"; "Where will we put everybody?"; "Who will decide?" All VHF/UHF users urged to attend!
- (24) **"FORUM: Help Develop a New HF Digital Keyboarder Mode"**
• Ray Petit W7GHM, Inventor of CLOVER Data Mode
SAT 4:00 PM SEASIDE B & C
Here is your chance to influence the design of a new HF data mode for keyboarders. Present your "wish list". Discuss tradeoffs among the desired features and help contribute to the future of ham radio!

Seminar Topic Information

- (25) **"New Activities for New Hams"**
• **Rosalie White WA1STO, ARRL Education Activities Manager**
SUN 9:30 AM RIVERVIEW A
Hints and handouts for new hams - on easy antennas, simple equipment, and fun activities for new hams to try.
- (26) **"Wire and Cable: Fact and Fiction"**
• **Press Jones N8UG, President, The Wireman, Inc.**
SUN 9:30 AM RIVERVIEW B
Discussion of most-asked questions and most common misconceptions about coax and other wire and cable, connectors, and accessories. Advance questions and subject choices requested.
- (27) **"On The Trail of Adventure" • Cynthia Wall KA7ITT**
SUN 9:30 AM RIVERVIEW C
Researching an adventure novel is even more exciting than the story itself. Cynthia Wall KA7ITT, author of the ARRL Fiction Series, will share her tales - from Night Signals to Easy Target and beyond.
- (28) **"Soundshake '95: A Test of a New ARES/RACES Communications Plan for Washington" • Gene Underwood W7AKA, ARES DEC, King County, Washington**
SUN 9:30 AM SEASIDE A
How can amateur radio support the needs of the people of the State of Washington with the many styles of emergency management in use there?
- (29) **"Beginning Packet Radio" • Mike Dunlap K7MYU**
SUN 9:30 AM SEASIDE B & C
REPEAT of Seminar (5)
- (30) **"Electronics Construction for the Amateur - Tools, Materials, and Methods"**
• **Emerson Hoyt WX7E**
SUN 11:00 AM RIVERVIEW A
REPEAT of Seminar (15)
- (31) **"Antenna Pattern Demonstration" • Press Jones N8UG, President, The Wireman, Inc.**
SUN 11:00 RIVERVIEW B
Live demonstration of signal radiation from various antennas under various conditions, with audience participation.
- (32) **"Electronic Troubleshooting for the Radio Amateur" • Ed Hare KA1CV, ARRL Laboratory Supervisor**
SAT 11:00 AM RIVERVIEW C
Many hams are lost when their equipment goes up in smoke or they need to track down an elusive electronics problem. The speaker brings many years of troubleshooting experience to the question-and-answer session following the presentation.
- (33) **"Emergency Preparedness for First Responders" • Diane Merten, Chair, Benton County Emergency Mgmt. Council; Member, National Advisory Council for Congress**
SUN 11:00 AM SEASIDE A
There's more to preparedness than having emergency supplies. We also need a Plan of Action for self and family. Are you ready to serve with mind, heart, and soul besides body? What about stress? What about risks?
- (34) **"Intermediate Packet - BBS Operation" • Evan Burroughs N7IFJ**
SUN 11:00 AM SEASIDE B & C
REPEAT of Seminar (9)

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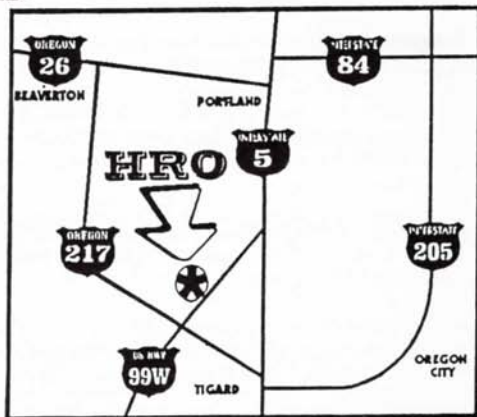
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1995 Club of the Year

CLARK COUNTY AMATEUR RADIO CLUB

CCARC of Vancouver, Washington is the 1995 Sea-Pac Club of the Year. The club is widely known for its contributions to amateur radio including the following:

Public awareness of amateur radio is made by locally producing a television series which defines the many aspects of amateur radio. Several club members write, produce and edit the half-hour series which is broadcast over Columbia cable access channel 49. The program moderator interviews club members and visits their home stations and conducts a tech talk on one aspect of the hobby. In addition special event stations are setup at various locations in the county each year.

Novice and Technician license classes are provided several times a year, and the club-sponsored VE Testing program has tested over 600 applicants..

The club has assisted in the establishment of ham stations at Camas and Alki High Schools and is now working with Battleground High School.

Over 50 members are active in the ARES/RACES emergency services network.

The club sponsors a highway rest stop safety program to demonstrate amateur radio and packet messaging to the traveling public.

Each year the club provides communication support for the March of Dimes Walk-a-thon, the annual Horse-a-thon and the annual Walk 'N Knock food drive.

The club has established a telephone "hotline" for members and the general public. The hotline contains information about the Club's upcoming meetings, events, and VE testing sessions.

The club sponsors on-air schedules which include ARES, YL, Swap'n shop and Youth nets., field day exercises, packet group meetings, a newsletter, and is establishing a new Elmer program for prospective hams.

The club operates three area repeaters on 147.24Mhz, 443.925Mhz and a digipeater on 144.99 Mhz for packet usage.

Because of all these activities and more, SeaPac is proud to name CCARC its Club of the Year for 1995.

Banquet Program

Astronaut Susan Helms



Susan J. Helms

SeaPac is honored to have Astronaut Susan J. Helms as their 1995 Convention Banquet Speaker. Ms. Helms attended Shaver Elementary and Parkrose Schools in the Portland area graduating from Parkrose H.S. in 1976.

Ms. Helms graduated from the Air Force Academy in 1980, has an MS in aeronautics/astronautics from Stanford University in 1985, and attended the Air Force Test Pilot School at Edwards Air Force Base, California.

Helms has received numerous special honors during her Air Force career as a flight test engineer, and has flown in 30 different types of U.S. and Canadian military aircraft.

She was selected by NASA in January 1990 and became an astronaut in July 1991. Astronaut Helms flew as a mission specialist on the crew of STS-54 on the Space Shuttle Endeavor in January 1993 and STS-64 on the Space Shuttle Discovery in September 1994.

After completing the two missions, Helms has orbited the earth 273 times, travelled over 7 million miles, and has logged just over 426 hours in space.

Ms Helms will describe the SAREX experiments on STS 54 and STS 64..

Master of Ceremonies

Greg Milnes, W7AGQ

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 F.C.C. in Washington, DC. He returned to 7-land in 1967. Greg became Judge Milnes in 1969 and is currently a Circuit Court Judge for Washington County, Oregon.

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

ARRL Guests

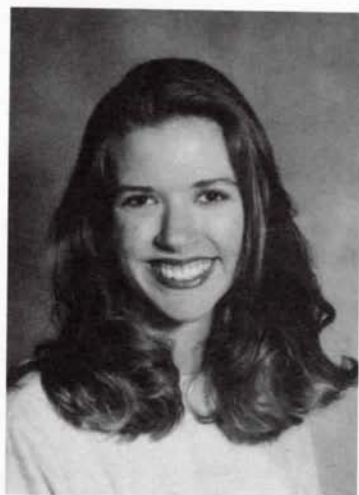
Jay Holladay, W6EJJ, Vice President

Mary Lou Brown, NM7M, NW Division Director

Rosalie White, WA1STO, Educational Activities Manager

Ed Hare, KA1CV, Laboratory Supervisor

OTVARC Scholarship



Jennifer Coan

Jennifer Coan, KB7MJQ

1994 OTVARC Scholarship Recipient

Miss Jennifer M. Coan, KB7MJQ, is the recipient of the 1994 OTVARC Scholarship. Jennifer is a graduate of Sunset High School where she earned a 3.58 GPA in advanced course work. Jennifer was involved in many extra curricular activities at Sunset, including National Honor Society, Environmental Club, and a member of the Yearbook staff. She received several honors associated with these activities.

Jennifer was active in the community as well as at school, including volunteer work at her church and at a local hospital. She also volunteered three years for communications on the MS150 Bike Tour. Jennifer is currently attending Harding University in Searcy, Arkansas.

OTVARC is one of the sponsoring clubs which receives proceeds from SeaPac. The OTVARC Board allocates funds for many worthwhile projects to promote the enhancement of Amateur Radio, with education as a priority. Current projects include books and license study materials for public libraries, and updated training material for Amateur Radio classes. Without the participation of all of the volunteers, the exhibitors, and registrants, these projects would not be possible.



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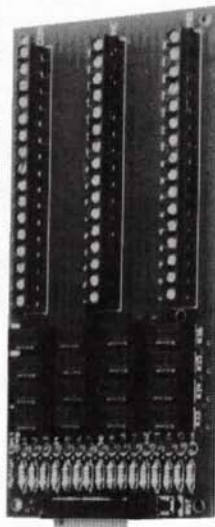
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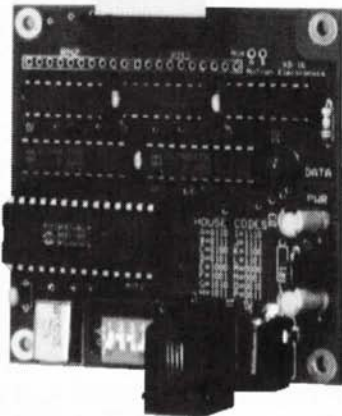
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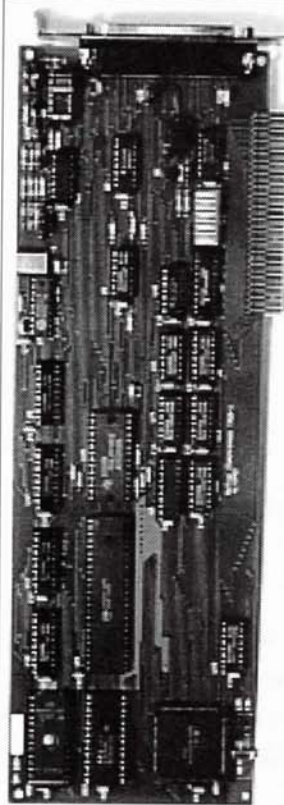


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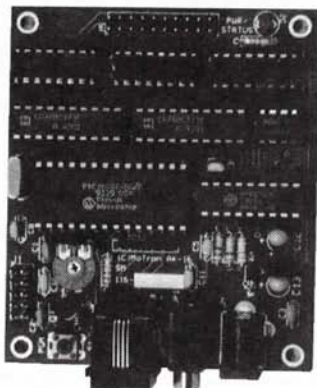
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Hamfest Calendar

Glacier-Waterton Hamfest

July 14 - 16, 1995

ARRL Montana State Convention

Three Forks Campground, East Glacier MT.

Contact Darrell Thomas, N7KOR (406) 453-8574

Northwest DX Convention

July 21-23, 1995

Renton, Washington

Western WA DX Club, Mike Pickard, K7NPN (206) 742 6431

Southern Oregon Coast Hamfest

July 22, 1995 Saturday 9:00AM-5:00PM

Junior High School, North Bend, Oregon

Contact Coos County Radio Club, Info: (503) 396-4479

PO Box 3494, Coos Bay, OR 97420 Or (503) 396-5778

Spokane Hamfest

August 5-6, 1995

University High School Opens 9:00AM

Info: (509) 928-1808 or (509) 448-8445

Tacoma Electronics Fleamarket

August 12, 1995 9:00 AM - 3:00PM

Charles Wright Academy

Info: Alan Hughes, 206-840-4947 or 206-596-7472

Longview Swap Meet

August 19, 1995 9:00AM - 3:00 PM

Lower Columbia ARA Cowlitz County Fairgrounds

Walla Walla Hamfest & EWA Section Convention

September 22-24, 1995 8:00AM - 4:00PM

Milton Freewater Community Center

Contact Dave Pence, KB7WRT (509) 525-2529

Rogue Valley ARC SwapFest 95

October 21, 1995 9:00AM - 4:00PM

Medford National Guard Armory, Medford, OR

Contact: Joyce Clymer, N7WIU 509 779-1773

RVARC, 1707 E. Main, Medford OR 97504

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