

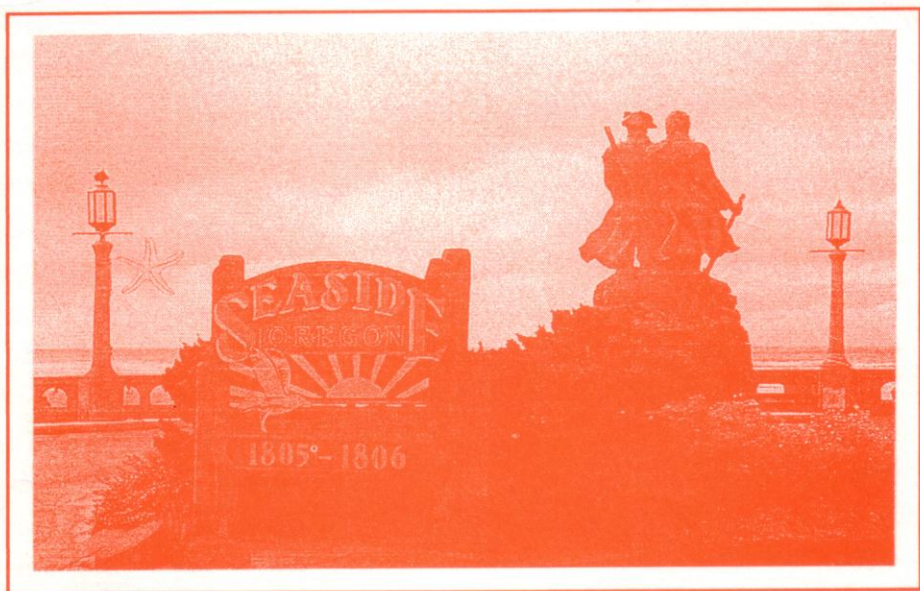


SEA PAC.



21st Year

ARRL Northwestern Division Ham Convention



Seaside Convention Center Seaside, Oregon

June 13—15, 2003

Presented by
Oregon Tualatin
Valley Amateur
Radio Club



Welcome to SEAPAC 2003

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

Co-Sponsors include Clark County Amateur Radio Club; Sunset Empire Amateur Radio Club; and Hoodview Amateur Radio Club.

The Sponsors wish to thank 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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SEAPAC Hospitality Suite

"A Hangout for Bored Spouses"

Stop by and have a cup of coffee, tea, or other beverage and relax.
Registration at the Convention and ham license not required.

Listen for the latest Convention Information and Updates on 88.3 MHz

VE Testing

Testing at Our Saviour's Lutheran Church [across from the Convention Center] with one session at 9:00 AM, Saturday.

Pre-registration requested. Walk-ins—Space Available

There is **no** Kids, Krayons & Kartoons Session this year

Talk-in Station: 146.660 (-600) MHz

Convention Schedule

Friday, June 13

| | |
|---|--------------------|
| Registration..... | 11:00 AM – 8:00 PM |
| Exhibitor & Flea Market (Setup Only)..... | 11:00 AM – 8:00 PM |
| Technical Session: <i>Fire In The Wire</i> (Riverview ABC) | 12:30 PM – 5:30 PM |
| ARRL Workshop: <i>Emergency Communications</i> (Seaside A&B) .. | 12:30 PM - 5:30 PM |
| “Bored Spouses” Hospitality (Con. Ctr Inn Room 125) | 6:00 PM – 8:00 PM |

Saturday, June 14

| | |
|---|--------------------|
| Registration..... | 8:00 AM – 4:30 PM |
| Exhibits & Flea Market | 8:00 AM – 4:30 PM |
| Snack Bar..... | 9:00 AM – 4:30 PM |
| “Bored Spouses” Hospitality (Con. Ctr Inn Rm 125) | 9:00 AM – 5:00 PM |
| VE Exams (Our Saviour’s Lutheran Church)..... | 9:00 AM – NOON |
| Seminars (Seaside & Riverview Rooms) | 10:00 AM – 5:00 PM |
| Hourly Award Drawings Posted..... | 10:00 AM - 3:00 PM |
| YLRL Luncheon & Program (Oceanview Fireplace Rm) | 11:30 AM – 1:30 PM |
| QCWA Luncheon (Oceanview Tillamook Room) | 11:30 AM – 1:30 PM |
| ARRL Forum (Seaside A&B) | 2:00 PM |
| Special SEAPAC Drawing | 2:30 PM |
| Pre-Banquet Happy Hour (Convention Center Lobby) .. | 6:30 PM – 7:15 PM |
| Banquet (Convention Center) | 7:15 PM – 9:30 PM |

Sunday, June 15

| | |
|--|---------------------|
| Registration..... | 8:30 AM – 12:00 PM |
| Exhibits & Flea Market | 9:00 AM – 1:00 PM |
| Snack Bar..... | 9:30 AM – 12:30 PM |
| “Bored Spouses” Hospitality (Con. Ctr Inn Rm 125). | 10:00 AM – NOON |
| Seminars (Seaside & Riverview Rooms)..... | 10:00 AM – 12:00 PM |
| Hourly Award Drawings Posted..... | 10:00 AM - 11:00 AM |
| Special SEAPAC Drawing | 10:30 AM |
| Grand Awards | 1:00 PM – 2:00 PM |
| Convention Closes | 2:00 PM |

SEAPAC Exhibitors

| | |
|-----------------------------|--|
| AEA Wireless | J & K Enterprises |
| AJ's Custom Embroidery | J Poles.Com |
| ALF Enterprises | Kenwood, USA |
| American Red Cross | Larry's Antennas |
| Amateur Radio Relay Group | National Communications |
| AM-COM Inc. | Navy/Marine Corps MARS |
| American Radio Relay League | PARG |
| Aesthetic Apparel | Pacific Research |
| Avcom Communications | Portland Amateur Radio Club |
| Aventrade | Quarter Century Wireless Association (QCWA) |
| Badge Boys | Radio Emergency Services |
| Battery Tech | Royal Navy Amateur Radio Society |
| B & B Safe-T-Tek | SGC, Inc. |
| B & D Enterprises | Starfire Tech |
| Books Etc. | SW Radio/Inkjet Southwest |
| DC Power | TigerTronics |
| Dave's Radios LLC | The Ventenna Co. |
| EE Industries | W3FF Antennas |
| Elecraft | West Mountain Radio |
| Emtech | Western Case Co. |
| Fluidmotion Inc. | Willamette Valley DX Club (WV DX) |
| FUE Enterprises | Yaesu U.S.A. |
| Ham Radio Outlet | Yamhill County Amateurs |
| Ham Stuff | Young Ladies Radio League (YLRL) |
| High Sierra Antennas | |
| HotPress T Shirts | |
| ICOM America | |
| INRETECH | |

Due to publication deadlines we apologize for any changes.

Convention Banquet Program



KAY C. CRAIGIE, N3KN
Vice President, ARRL

Vice President Kay Craigie, N3KN, lives in Paoli, Pennsylvania, with her husband Carter Craigie N3AO and their Jack Russell Terrier, Frodo.

Originally from Atlanta, Georgia, Kay graduated from Georgia State College (now Georgia State University) in 1968 and then moved to Pennsylvania to earn a Ph.D. from the University of Pennsylvania in Philadelphia. She taught at the University of Maryland and at Cabrini College in Pennsylvania and worked on the non-instructional staff at a local high school. In the 1980's, she stopped working for a paycheck and devoted full time to operating Mom's Taxi and doing volunteer work for Amateur Radio through the ARRL and her radio club.

First licensed in 1983, Kay became the editor of her home radio club's newsletter, a position she continues to hold. She's a Volunteer Examiner with the club's VE team. In 1986, she became Section Manager for Eastern

Pennsylvania, moving to Atlantic Division Vice Director in 1990 and Division Director in 1996. She was elected Vice President of the ARRL in 2000.

Kay has served on all the standing committees of the ARRL Board of Directors and worked on the Enforcement Task Force, whose pressure finally resulted in the FCC's assigning Riley Hollingsworth to clean up the ham bands. Kay's first assignment as Vice President was to design what became the ARRL Education and Technology Program, a.k.a. "The Big Project." This open-ended project enables teachers to integrate ham radio into their teaching in a variety of subjects. "When we do what benefits kids," she says, "ham radio will benefit in the long run, too."

On the air, Kay enjoys DXing – that's what attracted her to ham radio in the first place – award-hunting, and contesting. She holds VUCC on 6 meters, DXCC on 7 bands (80 meters, alas, not being one of them, yet!), the DXCC Challenge award, WAZ, and WAE Class 1 CW. She enjoys digital modes as well as CW and phone. Kay's husband Carter Craigie N3AO is on traffic nets, enjoys county-hunting, and is the operations officer for their county's ARES/RACES organization.

Master of Ceremonies

Greg Milnes, W7OZ

ARRL Northwestern Division Director
aka "The Wiz"

Greg earned his first license in 1955. In the mid-60s, he operated W7AGQ/4 from Virginia. He has served as a staff attorney with the FCC Broadcast Bureau in Washington, DC and as a Judge for Washington County Circuit Court in Oregon.

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

2003 Chuck Mickley Memorial Scholarship

Sarah Brunson, KB7PJG, became interested in Ham Radio originally with morse code, earning her Novice when she was eight years old. At 14 she upgraded to Technician Plus, and now holds the General Class license. Sarah grew up going on "Field Day Trips" with dad, KC7DX, and her brother Jacob, KD7UPN.

Sarah is a Junior at Brigham Young University where she is studying Electrical Engineering with a microelectronics emphasis. She has earned a 3.67 grade point average. Sarah is a leader in the BYU Amateur Radio Club and is currently the president-elect. Some club activities she's participated in include a fox hunt, helping upgrade the club shack, guarding her campus the night before the football team plays BYU's arch rivals, and helping at BYU sponsored parades. Sarah recently took on the project of working on an emergency communications program for the club.

The BYU Amateur Radio Club grew this year, and it became increasingly important to help interested students earn ham radio licenses. Sarah helped teach these licensing classes run by club president Andrew Eldredge, KD7OSK, but says she plans to do much more next year for students who are interested in getting a license or are newly-licensed. "Ham Radio offers so many different areas to learn about that some new hams, especially younger ones, become overwhelmed. I want them to feel comfortable trying new things so they can find something that draws them in, like morse code or building antennas or DXing have done for me. When they find that, ham radio is no longer a passing phase, but a lifetime hobby."

For the summer, Sarah is working as an engineering intern for Intel Corporation.

ARRL Representation

Kay Cragie, N3KN, ARRL Vice President

Greg Milnes, W7OZ, Director, Northwestern Division

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

Dan Miller, K3UFG, Emergency Communications Course, ARRL

SEAPAC HOSPITALITY ROOM

Convention Center Inn Room 125

"A HANGOUT FOR BORED SPOUSES"

FRIDAY, June 13th

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

Stop by and have a cup of coffee, tea or other beverage.

Help start a puzzle.

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

SATURDAY, June 14th

Room open 9:00 am to 5:00 pm

Program starts at 10:00 am

"What is a 72 Hour Emergency Kit?"

Presented by:
Dan Boothby

Be prepared for the inevitable and the unexpected. Questions and answers at the end of the program.


Crafts
Refreshments
Book Exchange
Recipe Swap

Let's finish our puzzle!

Coffee tea, and other beverages.
Popcorn, donuts and bagels
(while they last).

SUNDAY, June 15th

Room open 9:00 am to Noon

Pick up copies of the recipes shared, take a  book from the book exchange, complete a craft and sample one of the recipes You don't need to bring a book or recipe to take one home.

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

Coffee tea, other beverages, donuts and bagels will be served.

Volunteers who helped
at the
"Hang out for bored spouses"

Julie Landers, KD7GQW

Pat Ackenhead, WA2ZZZ

Mary Berg, N7TRW

Harold Landers, WA0BRU

Teresa Mathia

Jeff Mathia, KF6CXD

Linda Sutton, KC7YTD

YLRL LUNCHEON

All Ladies Invited

Candy Okuliez SP5XAB
Warsaw, Poland

"Friendship Through
Amateur Radio in DXpeditions"

Oceanview Inn - Fireplace Room



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E-Mail: k7pa@k7pa.com

For campground registration contact:
Three Forks Group Camping Inc.
P.O. Box 124
East Glacier, Montana 59434
(406) 228-4479

| Prices (US\$ ONLY): | |
|---|---|
| Full pre-registration | \$ 12.00 (includes 1 dinner and 1 breakfast; and all prize draws) |
| Full registration (after June 01) | \$ 15.00 (includes 1 dinner and 1 breakfast; and all prize draws) |
| Adult dinner | \$ 4.00 (does NOT include any prize draws) |
| Adult breakfast | \$ 5.00 (does NOT include any prize draws) |
| Child (6-12) dinner | \$ 3.00 (does NOT include any prize draws) |
| Child (6-12) breakfast | \$ 4.00 (does NOT include any prize draws) |
| Child under 6 | FREE (does NOT include any prize draws) |
| Day Pass | \$5.00 (per person) |
| Craft Table | \$5.00 |

| | |
|--|-------------------------|
| Last Name: PLEASE PRINT | |
| Address: | City: |
| Province/State: | ZIP/Postal Code: |
| Email Address: | Home Area Code & Phone: |

Please list yourself, your Spouse and all Children (with age noted) below.
EVERYONE must be listed for EMERGENCY LOCATION PURPOSES.

Pre-register before June 01 and have a chance to win:

Pre-registration Prize Garmin GPS III Plus

All Full registrants have a chance to win:

| | |
|-----------------------------|---------------------------------|
| Grand Prize #1 | Kenwood D700 Dual Band Mobile |
| Grand Prize #2 | Icom IC W32A Dual Band Handheld |
| Ladies Grand Prize #1 | Jewelry from Montana Sapphire |
| Ladies Grand Prize #2 | Cash Prize |

Hamfest 2003 includes this — AND MUCH MORE!

| 2003 Montana State ARRL Convention | |
|--|--|
| Saturday Hamburger BBQ Lunch | Beer Bottle Auction |
| Saturday Night BBQ Supper (bring plate, utensils & meal tickets) (Bring your own meat) | QCWA Meeting |
| Sunday Morning Breakfast (bring plate, utensils & meal tickets) | Annual Hamfest Meeting |
| Dealer Displays | All "Full" registrants have a vote |
| Hamfest Pins | Bunny Hunt (Jim Cummins) |
| Junque Auction | High Speed CW Contest |
| Crafts (charge) | QLF Contest |
| "Ham Jam" Friday Night (bring your instruments) | DXCC Seminar |
| | APRS Seminar |
| | Kit Building Seminar |
| | U.S. V.E.C. Exams |
| | Children's Events (Bev Nord) |
| | QRP Seminar |
| | Bingo (Adult & Children) |
| | Bazaar & Craft Sale (Sellers: \$5.00 per table) |
| | Repeater Linking Seminar |
| | Pet Parade |
| | Packet Cluster Seminar |

**Bring your portable FM radio to listen for announcements on radio station
W-HAM FM 90.1 MHz on your FM dial**



Glacier-Waterton Hamfest
July 18, 19, 20, 2003
Three Forks Group Camping



HAMFEST WEBSITE: <http://www.gwhamfest.org/>



Grand Awards

Need Not Be Present

Alinco DX-70TH HF/6 Meter

Yaesu VX-5R Tri-Band HT

Alinco DR-605TQ Dual Band

ICOM IC-2100H 2 Meter Mobile

Kenwood TH-22AT 2 Meter HT

Must Be Present In Convention Center

NONE BY PROXY

(YOU MUST BE IN THE CONVENTION CENTER)

Kenwood TS-50 HF Mobile

Kenwood TH-D7 Dual Band HT

ICOM IC-W32A Dual Band HT

Yaesu FT-50RD Dual Band HT

SPECIAL DAILY AWARDS

Special Award Drawings will be held on Saturday at 2:30 PM and Sunday at 10:30 AM. Must be present to claim award.

The drawing is limited to one hour between 1:00 PM - 2:00 PM on Sunday. The awards are purchased at or below cost from dealers and manufacturers.

We take this opportunity to express our appreciation for their assistance.

Good Luck!

HOURLY AWARDS

Posted in the lobby and
on stage for 2 hours

Unclaimed Awards are re-issued!

Early Bird Awards

Registrations postmarked prior to
May 15, 2003 eligible

Yaesu FT-817 Mobile
Astron RS-35M Power Supply

Award models subject to change
depending on availability from the
manufacturers and suppliers.



SEMINARS

Friday

- 12:30 PM (1) WORKSHOP Riverview ABC
"Fire in the Wire" Marshall Johnson KK7CW
- 1:00 PM ARRL SEMINAR Seaside A&B
EMERGENCY COMMUNICATION COURSE

Saturday

- 10:00 AM (4) "Motivating Volunteers" Seaside C
Kay C. Craigie N3KN
- (6) "A.P.R.S." Riverview B
Ron Reeves N7QXO
- 10:30 AM (11) "Get Your Feet Wet With PSK31"
Clint Hurd KK7UQ Seaside A&B
- (8) "Ground Systems for HF Verticals"
Rudy Severns N6LF Riverview A
- (12) "Near Vertical Incident Skywave"
Bert Younglove WA7AXO Riverview C
- 11:30 AM (15) "DXing for Beginners"
Al Rovner K7AR Seaside C
- (18) "MatchMaker – Code Strategy"
Sam L. Sparks PhD KD7K Riverview B
- 12:30 PM (7) "The MARS Program" Riverview A
Pete Thunem WA7JBG

- 1:30 PM (2) ARRL FORUM Seaside A&B
 Greg Milnes W7OZ
 Kay C. Craigie N3KN
- (5) "A Repeater for the 21st Century"
 David Hakleman W7QH Seaside C
- (13) "Repeater Internet Linking"
 Mike Steiner KD6LVP Riverview C
- 2:00 PM (20) "Community Disaster Education"
 Prepare for Life Riverview A
 Patrice Goodman American Red Cross
- (3) "VHF Mobile Antenna Performance"
 The Other Half of the Story
 Danny Richardson K6MHE Riverview B
- 3:30 PM (19) "Hams' Law" Riverview C
 Phil Kane K2ASP
- 3:45 PM (14) "Sound Card Software for Amateur Radio"
 West Mountain Radio Seaside A&B
- (9) "QSLing: Getting That Card"
 Bren Roberson W7EN Riverview A
 Cory Schoch KA7IUG
- (17) "Overcoming Antenna Restrictions"
 Mark Forbes KC9C Riverview B
 John Kernkamp WB4YJT

Sunday

- 10:00 AM (16) "Emergency Communications Antennas"
 Marshall Johnson KK7CW Riverview B&C
- (10) "Sound Card Lab"
 Hoodview A.R.C. Seaside A&B

**** Topic information on following pages**

Seminar Topic Information

We hope, again this year, that you find seminars that catch your interest and open doors to new ham radio adventures. The presenters volunteer their time to share their knowledge and skills on many facets of our great hobby. Whatever your interests are, you're sure to acquire a great deal of new knowledge to take home from the seminars.

Here is the overview of the seminars this year. This will help you select the seminars of interest. When attending seminars be sure to thank the presenter when it is over, and

PLEASE, TURN OFF HAND-HELDS DURING THE SEMINARS.

(1) FRIDAY WORKSHOP: "Fire in the Wire"

Marshall Johnson KK7CW **ARRL Oregon Section Manager**

Owner/Engineer Amateur Antenna Supply (formerly Aerials Int'l.)

Friday 12:30 to 5:00 PM Riverview A,B,C

A fun and exhaustive discussion of the design, construction and use of many kinds and varieties of wire antennas and feedlines. The workshop will conclude with a broad ranging discussion of personal experiences and a workshop lab to design and construct a wire antenna for a specific use.

(Pre-registration required limited to 100. Fee: \$10.00)

(2) The ARRL Forum

Kay Craigie N3KN Vice President, ARRL

Greg Milnes W7OZ Director, Northwestern Division, ARRL

Saturday 1:30 to 3:00 PM Seaside A,B

An opportunity to meet Kay and Greg to hear about the League's goals, as well as time to express your opinion on policy matters.

(3) VHF Mobile Antenna Performance

The Other Half of the Story

Danny Richardson K6MHE

Saturday 2:00PM Riverview B

Using computer modeling, Danny shows what may be expected using 1/4, 1/2 or 5/8 wavelength antennas mounted on various vehicles (Small and full sized passenger cars, a pickup truck, and a SUV). The results are informative.

(4) Motivating Volunteers

Kay Craigie N3KN Vice President, ARRL

Saturday 10:00 AM Seaside C

An age-old problem is how to get volunteers to share your vision and goals. Kay will share her ideas, and considerable experience, about that problem for those who are, or may be, in leadership positions.

(5) A Repeater for the 21st Century

David Hakleman W7QH

Saturday 1:30 PM Seaside C

Dave expands on the Mary's Peak project looking to bring the repeater into the 21st century. Included will be a lively discussion on ideas that you or others might like to see.

NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS

Seminar Topic Information

17 APRS

Ron Reeves N7QXO

Saturday 10:00 to 11:30 AM Riverview B

The Automated Position Reporting System (APRS) is a fun and exciting use of packet radio to show a display of moving and stationary objects. It uses GPS technology, computers, radios and TNC's. Check out website at nwaprs.org

18 The MARS Program

Pete Thunem WA7JBG Oregon State MARS Director

Saturday 12:30 PM Riverview A

Those who served in the military at overseas bases remember the great mission the MARS stations provided connecting service personnel with their families at home. Today's MARS expands the program to provide emergency service and homeland security communications. Come and learn how the program works.

19 Ground Systems for HF Verticals

Rudy Severns N6LF

Saturday 10:30 AM Riverview A

Definition, "Vertical: An antenna that radiates poorly in all directions." Come and learn from Rudy how to make the venerable vertical an effective HF antenna through proper grounding techniques.

20 QSLing: Getting that Card

Bren Roberson W7EN

Cory Schoch KA7IUG

Saturday 3:45 PM Riverview A

When you are seeking DXCC, working the station is the easy part. Getting the confirmation can be difficult and frustrating. Learn the ins-and-outs of QSLing from gals that have confirmed over 200 countries each.

21 Sound Card Lab

Hoodview A.R.C.

Sunday 10:00 AM Riverview BC

Computers equipped with sound cards have revolutionized the digital communications world. With proper software two way communications for text, data and pictures are possible without expensive peripherals. A discussion of software available and have a hands-on demonstration to get you started. If you bring your notebook /laptop we'll load the software and help you customize it.

22 Get Your Feet Wet With PSK31

Clint Hurd KK7UQ

Saturday 10:30 AM Seaside A&B

Clint offers a live demonstration of BPSK31 and MFSK16 using two stations in the same room. He will cover basic sound card operation and building your own sound card interface.

NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS

Seminar Topic Information

(12) Near Vertical Incident Skywave

Bert Younglove WA7AXO

Saturday 10:30 AM Riverview C

VHF for emergency communications is OK for the "flat lands" or where repeaters are available. What do you do when you're in a deep valley and your signal needs to "leap tall mountains with a single bound." Used by the military for a long time, NVIS may be the answer for your ARES communications. Learn how to determine what frequencies and antennas will do the job for you.

(13) Repeater Internet Linking Project

Mike Steiner KD6LVP

Saturday 1:30 PM Riverview C

Voice over the internet (VoIP) has been a reality for some time. Is it possible to use the internet to link our repeaters together? Mike believes it is. He will attempt to demonstrate it from Seaside!

(14) Sound Card Software for Amateur Radio

Dan Gravereau N1ZZ

Owner of West Mountain Radio

Saturday 3:45 PM Seaside A&B

Meet the owner of West Mountain Radio, manufacturer of the popular Sound Blaster interface. He will discuss the amazing things you can do with a sound card equipped computer. Check out Seminar 10 for more sound card information.

(15) DXing for Beginners

Al Rovner K7AR

Saturday 11:30 AM Seaside C

Would you like to get into it but don't know where to start? Been doing some DXing but want to find out how to do it better? Al, a veteran DXer, knows what it takes to become an effective country hunter. He learned from both ends of the pileup. He wants to share his knowledge and experience with you.

(16) Emergency Communications Antennas

When you just have to get out.

Marshall Johnson KK7CW

Sunday 10:00 AM Seaside A&B

Looking for something interesting to do Sunday morning? Grab a cup of coffee and join Marsh for a lively discussion of effective antennas for times of emergency.

You'll come away ideas for portable operation, like camping and Field Day.

(17) Overcoming Antenna Restrictions

Mark Forbes KC9C

John Kernkamp WB4YJT

Saturday 3:45 PM Riverview B

Do you live in an antenna restricted neighborhood but want to do some hamming from home? Marv and John from Ventenna Co. have strategies to solve your dilemma.

(18) MatchMaker - Code Strategy

NOTE: PLEASE TURN OFF HAND-HELDS DURING SEMINARS

Topic Information

11.5 MatchMaker – Code Strategy

Sam L. Sparks PhD K2ASP

Saturday 11:30 AM Riverview B

Sam has a unique and powerful way to help Hams learn the code. He is a consultant specializing in matching people to jobs and visa versa. He shows people how they can best learn to gain mastery over a subject at work or for pleasure.

11.6 Ham Law

Phil Kane K2ASP Volunteer Counsel, ARRL

Saturday 3:30 PM Riverview C

Phil, a lawyer and engineer, is an FCC veteran working many years in the San Francisco Office. He is ready to discuss the legal aspects of our hobby, such as Part 97, CC&Rs, and interference issues. Join him for a lively discussion of your rights and responsibilities as an amateur radio licensee.

12.0 Community Disaster Education

Prepare for Life

Patrice Goodman, American Red Cross

Saturday 2:00 PM Riverview A

Fires, floods, and other natural or man-made disasters can strike without warning. Are you prepared to protect your home and family? Learn what steps you might take now to be better prepared to help your own home and community.

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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 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.

Meetings at SEAPAC

Saturday

| | | |
|----------|--|---------------------------------|
| 9:00 AM | Oregon Section Cabinet Meeting | Check Bulletin Boards |
| 10:00 AM | NTS Forum | Sea-Mist Room |
| Noon | QCWA Luncheon | Tillamook Room/Oceanview Resort |
| Noon | YLRL Luncheon | Fireplace Room/Oceanview Resort |
| 1:00 PM | ARES Meeting | Sea-Mist Room |
| 3:00 PM | SKYWARN Net Planning Meeting | Sea-Mist Room |
| | [Kittitas, Yakima, Klickitat, and Wasco Counties only] | |

Sunday

| | | |
|---------|----------------------|---------------|
| 9:00 AM | ARRL Cabinet Meeting | Sea-Mist Room |
|---------|----------------------|---------------|

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**Seaside Convention Center is a No Smoking Facility
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or sign up on-line at

www.cybcon.com

SEAPAC Committees

Thanks To All The Volunteers Who Helped Make
SEAPAC 2003 A Success!

[We apologize for omissions due to our publication deadline]

EXECUTIVE COMMITTEE

Al Berg, W7SIC

Jim Schaeffer, KB7ADH

Will Sheffield, N7THL

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