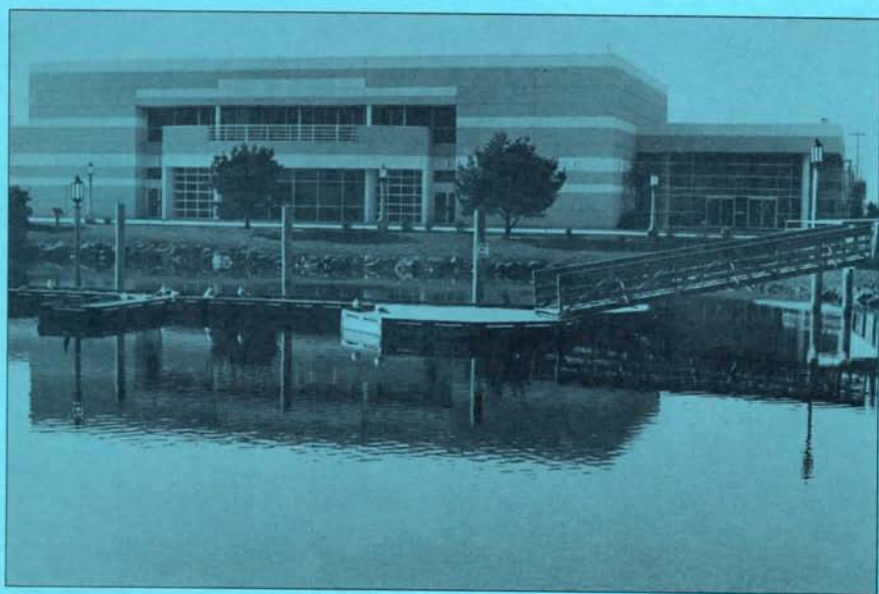




## **ARRL Northwest Division Ham Convention**



Seaside Signal

**SEASIDE CONVENTION CENTER**  
**Seaside, Oregon**

**June 13 & 14, 1992**

**SPONSORED BY  
OREGON TUALATIN  
VALLEY AMATEUR  
RADIO CLUB**



# YAESU SHUTTLE BUS

Saturday, June 13

*A free service presented by YAESU*

Buses will depart the Convention Center every hour and half-hour from 7:30 A.M. till 4:30 P.M. Buses will run continuously completing routes as quickly as possible. Due to the uncertainty of traffic and bus loads, times are approximate. If you wish to go to the Test Session at the Moose Lodge, tell the driver as you board.

## **NORTH ROUTE:**

Convention Center Flagpole  
(Optional Test Session Stop)  
Bud's Campground and Grocery  
Gearhart-By-The-Sea  
Cole's Tyberg Motel  
Vince RV Park  
Colonial Motor Inn  
Victoria Bed & Breakfast  
Summer House Bed & Breakfast  
Fifth Avenue Court Motel  
Best Western/Ocean View Resort  
Ebb Tide Motel  
Del Mar Motel  
Convention Center

## **SOUTH ROUTE:**

Convention Center Flagpole City  
Center Motel  
Best Western/Seashore Resort Motel  
Shilo Inn  
Gilbert Inn Bed & Breakfast  
Inn on the Promenade  
Sand & Sea  
Seaside Beach Club  
Hi-Tide Motel  
Gaston's Beachside Bed & Breakfast  
Ambassador-By-The-Sea  
Ocian Vista Motel  
Circle Creek RV Park & Campground  
Riverside Lake Resort Trailer Park

Sand Dollar Court Truckee RV  
Shilo Suite East  
Coast River Inn  
Riverside Inn Bed & Breakfast  
Mariner-Holladay Motel  
(Optional Test Session Stop)  
Convention Center

**SORRY, NO HANDICAP ACCESS AVAILABLE**

**For  
Convention  
Information**

**&**

**Announcements**

**Listen On:**

**147.450 MHz (Simplex)**

**Kids, Krayons &  
Kartoons**

**Seamist Room**

**Saturday, June 13  
9:00 AM to 4:30 PM**

**Sunday, June 14  
9:00 AM to 4:30 PM**

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## Special Events

### ICOM Wild West Casino Night

FRIDAY, JUNE 12, 1992-7:30PM - Social Casino Night at the Convention Center. An evening of fun and exciting "No Stakes" gambling. Test your ability at blackjack, roulette and craps. Free hors d'oeuvres and no host bar available.

### VE Testing - Pre-Registration Only

Testing will be at the Seaside Moose Lodge, 735 Broadway, at 9:00AM Saturday, June 13, 1992.

**Testing will be by preregistration only. No Walk-ins!**

### F.A.R.S. CW Competition

Town Center Mall Upstairs Meeting Room

DX Pile-up Competition ..... 9:00AM - 3:00PM

CW Sending.....9:00AM - 10:00AM  
1:00PM - 2:00PM

CW High-Speed Receiving.....10:00AM - 11:00AM  
2:00PM - 3:00PM

Drop-ins welcome as time allows - Medals will be awarded at banquet



# Convention Schedule

## Friday, June 12

Registration .....	11:00AM-8:00PM
Exhibit & Flea Market Setup .....	11:00AM-9:00PM
Social Casino Night (Convention Center) .....	7:30PM-10:30PM
Ladies Hospitality Suite (Huntley, Rm 125) .....	5:00PM-8:00PM

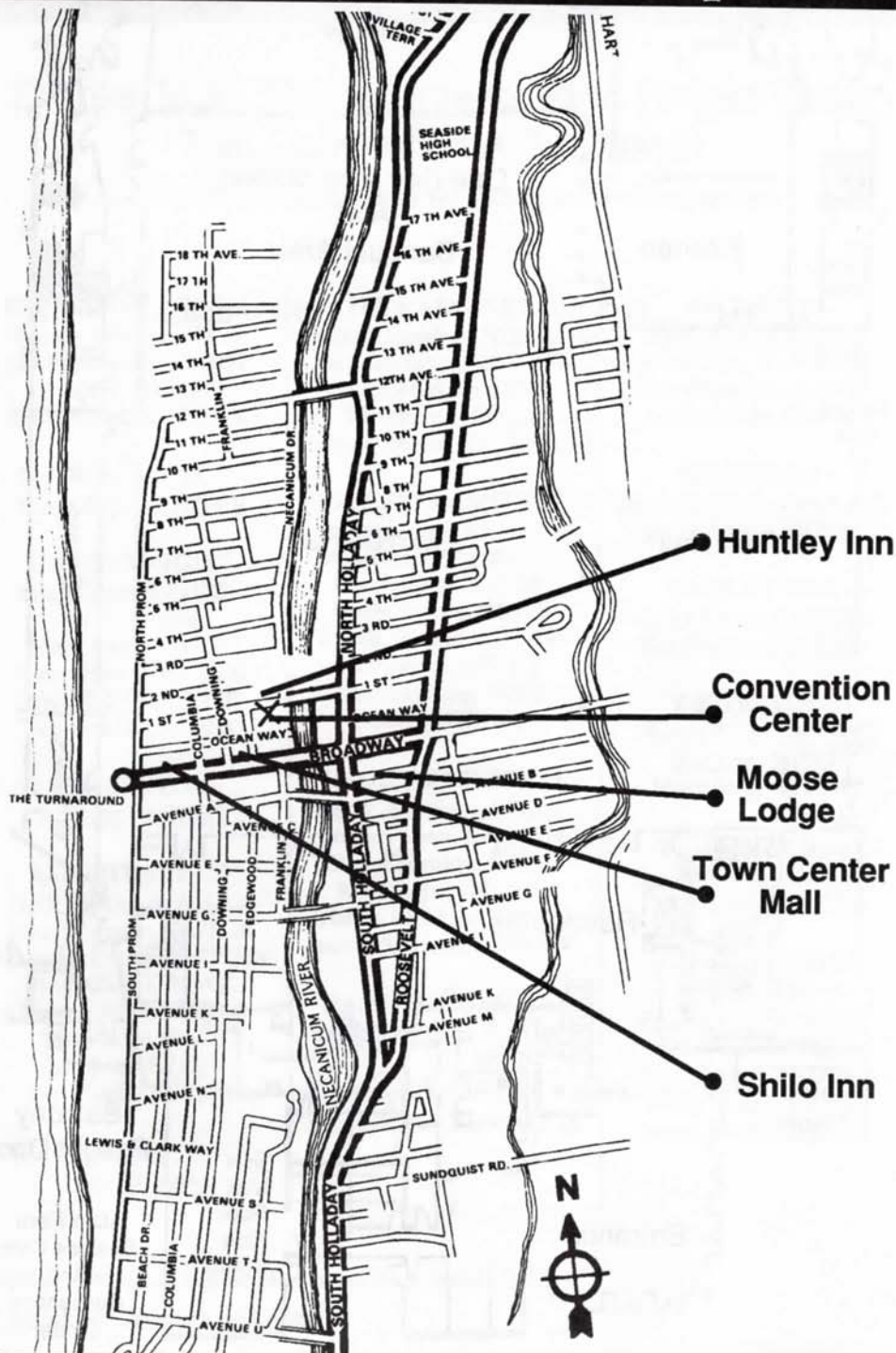
## Saturday, June 13

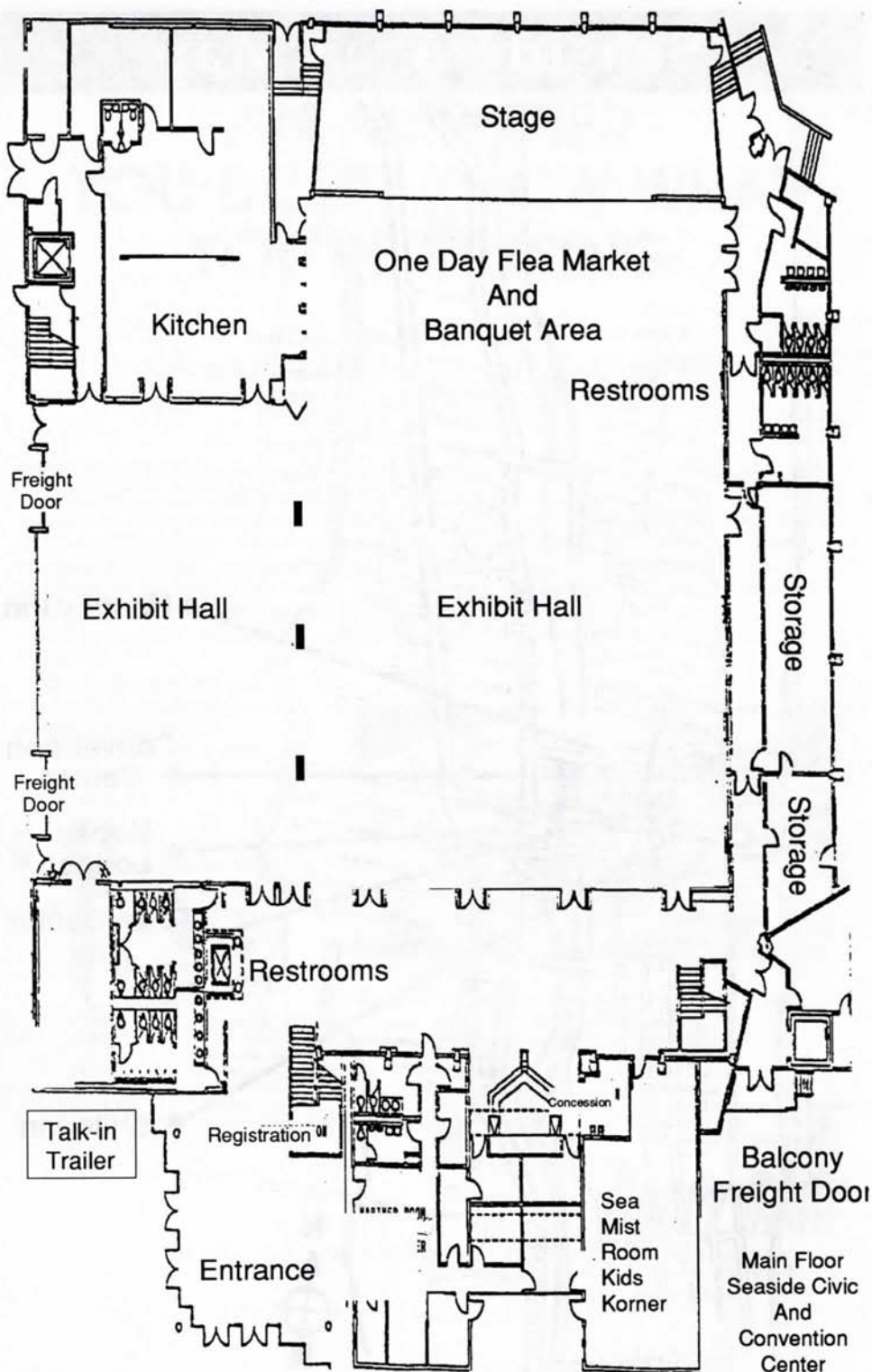
Registration .....	8:00AM-4:30PM
Convention Hall Hours .....	9:00AM-4:30PM
Ladies Treasure Hunt .....	All Day
Snack Bar .....	All Day
FARS CW Competition (Town Center Mall) .....	9:00AM-3:00PM
Kids Krayons & Kartoons (Sea Mist Room) .....	9:00AM-4:30PM
VE Exams (Pre-Registration Only) .....	9:00AM-12:00Noon
Seminars .....	9:30AM-5:00PM
Ladies Luncheon & Program (Shilo Inn) .....	11:30AM-2:00PM
QCWA Luncheon (Shilo Inn) .....	12:00Noon-2:00PM
ORRC Meeting (Seaside C) .....	2:30PM-4:00PM
TOPS Meeting (Seaside B) .....	4:00PM-5:30PM
Banquet (Convention Center) .....	7:00PM-9:30PM

## Sunday, June 14

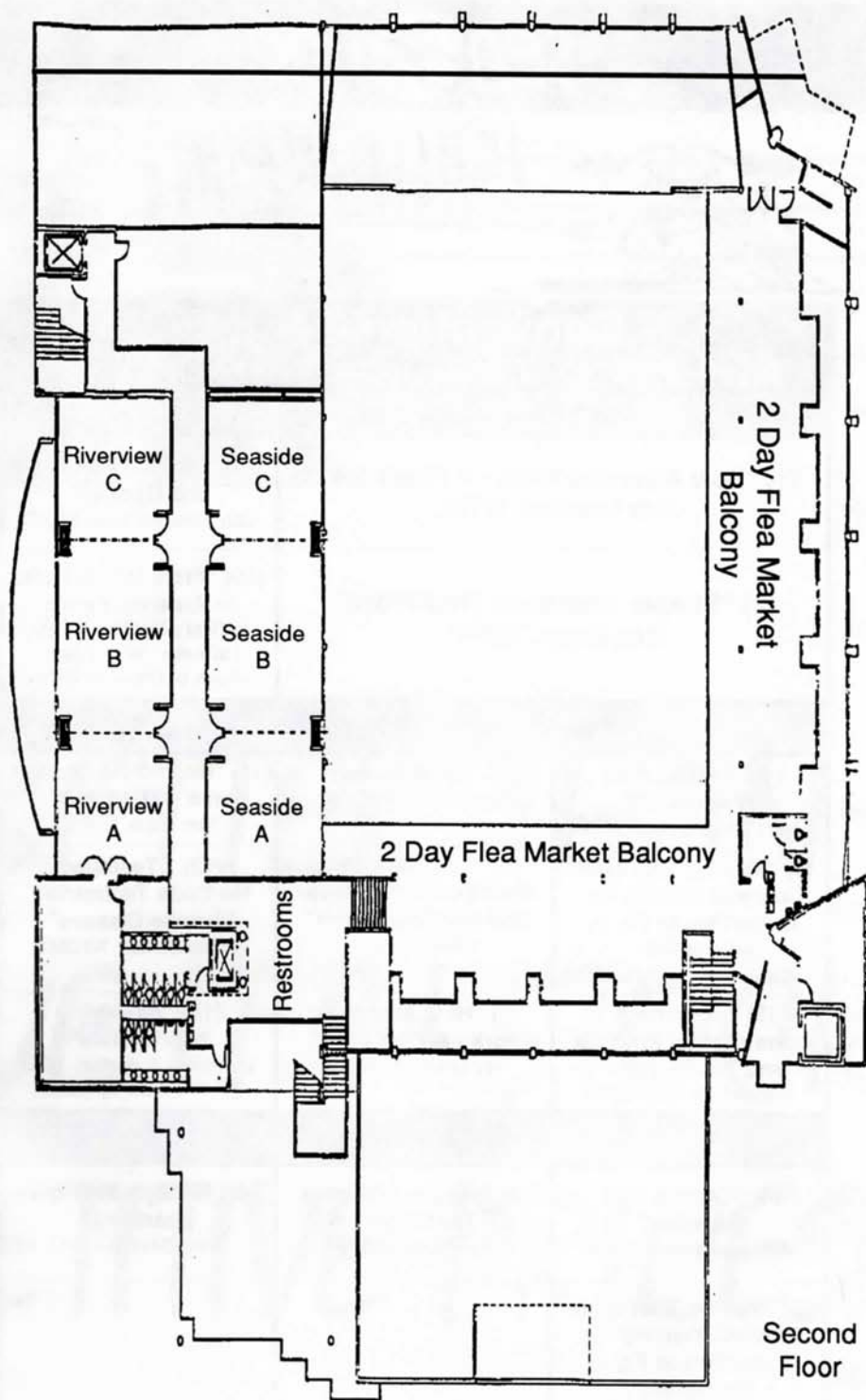
Registration .....	8:30AM-12:00Noon
Convention Hall Hours .....	9:30AM-2:00PM
Seminars .....	9:30AM-12:00Noon
Snack Bar .....	9:30AM-2:00PM
Kids Krayons & Kartoons (Sea Mist Room) .....	9:30AM-12:00Noon
Grand Awards (Convention Center) .....	1:00PM-2:00PM
Convention Closes .....	2:00PM

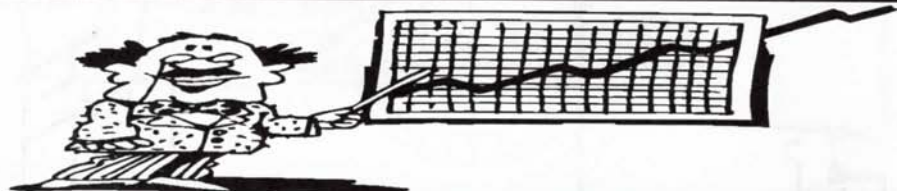
# Seaside Area Map











## Convention Center

**Riverview A**

**Riverview B**

**Riverview C**

**Morning, Saturday, June 13**

**(1) "How Antennas Work - A First Look"**  
Roy Lewallen, W7EL

**(9) "DXCC Forum and Update"**  
Jim Fenstermaker, K9JF

**(2) "Simple Antennas That Work"**  
Ken Kopp, KØPP

**(10) "From Horse Farm to Antenna Farm:  
W7RM's Exciting 5-year  
LaCenter, WA Project"**  
Rush S. Drake, W7RM

**Afternoon, Saturday, June 13**

**(4) "Getting it all Together"**  
Mary Lou Brown, NM7N

**(6) "ARRL Forum"**  
Mary Lewis, W7QGP

**(11) "Behind the Scenes on a DXpedition"**  
Ken Kopp, KØPP

**(5) "Making That First Contact: Getting the Butterflies to Fly in Formation"**  
Doug Stroh, WA7EJP

**(7) "The Frequency Spectrum - Its Allocation and Regulation"**  
(aka WARC)  
Dan Bergeron, KB4IYK

**(12) "Teaching No-Code Technician License Classes"**  
Delvin Bunton, N7QMT

**(3) "Beginners' Construction Projects and Techniques"**  
Lynn Hurd, WB7UNU

**(1) "How Antennas Work - A First Look"**  
Roy Lewallen, W7EL

**(13) "Resolving Interference"**  
Lawrence J. Stuker, FCC  
Public Affairs Specialist

**Sunday, June 14**

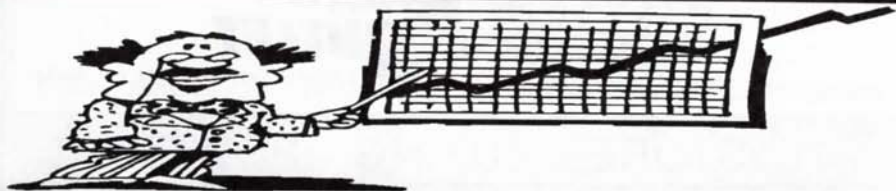
**(4) "Getting it all Together"**  
Mary Lou Brown, NM7N

**(2) "Simple Antennas That Work"**  
Ken Kopp, KØPP

**(8) "Mobile Antenna Matching"**  
Allen Beer, K6GSO

**(5) "Making That First Contact: Getting the Butterflies to Fly in Formation"**  
Doug Stroh, WA7EJP





## Convention Center

Seaside A

Seaside B

Seaside C

<p><b>(24) "Introduction to Army/Navy/Air Force MARS"</b> Joe Noecker, N7HMY/NNNOFGN</p>	<p><b>(19) "Packet Radio for Beginners"</b> Jeff Freedman, K7JF</p>		9:30
<p><b>(14) "Fingerprinting Transmitters for Fun &amp; Profit"</b> P.J. Ferrell, K7PF</p>	<p><b>(20) "Memorandum of Understanding: US Forest Service - ARRL"</b> Delvin R. Bunton, N7QMT</p>	<p><b>(16) "Forty-four Years of HF Mobile Antenna Development"</b> Don Johnson, W6AAQ</p>	11:00
<p><b>(15) "Introduction to Computer Slow-Scan TV"</b> George Hadley, N7SNI</p>	<p><b>(21) "Intermediate Packet"</b> Kevin Brown, WA7SHP</p>		1:00
<p><b>(17) "Compact HF Antennas"</b> Dr. Alan Chandler, K6RFK</p>	<p><b>(22) "Advanced Packet"</b> Johan Reinalda, WG7J</p>	<p><b>(25) "Oregon Regional Relay Council Meeting"</b> Mike McCartor, KA7NOO</p>	2:30
<p><b>(18) "Solid State RF Power Amplifiers - Fact &amp; Fiction"</b> Dan Peters, NY6U</p>	<p><b>(23) "TOPS Meeting"</b> Jim Wagner, KA7EHK</p>	<p><b>(26) "FEMA"</b></p>	4:00
<p><b>(27) "Technical Aspects of RFI Problem Solving"</b> Joe Noecker, N7HMY</p>	<p><b>(19) "Packet Radio for Beginners"</b> Jeff Freedman, K7JF</p>	<p><b>(28) "Computer Control of Radios and Logging"</b> Gary Price, AA7HI</p>	9:30
<p><b>(29) "Better Audio for Receiving and Transmitting"</b> Ken Glanzer, K7GCO</p>	<p><b>(21) "Intermediate Packet"</b> Kevin Brown, WA7SHP</p>		11:00



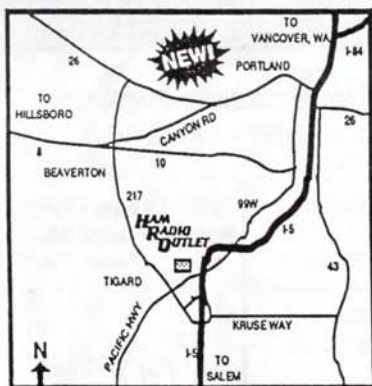
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# Seminar Topic Information

1. **"How Antennas Work - A First Look"**

Roy Lewallen, W7EL SAT 9:30 AM Riverview A & B  
REPEATED SAT 4:00 PM Riverview B

Vertical or Dipole? Quad or Yagi? Make informed decisions. Learn about gain, SWR and patterns. This seminar discusses the basics of antenna operation in terms a beginner can understand.

2. **"Simple Antennas That Work"**

Ken Kopp, KØPP SAT 11:00 AM Riverview A & B  
REPEATED SUN 9:30 AM Riverview B

Have you been the victim of slick advertising? Ken will explain why the simple antennas often work the best.

3. **"Beginners' Construction Projects and Techniques"**

Lynn Hurd, WB7UNU SAT 4:00 PM Riverview A

This talk will deal with construction techniques as they relate to RF projects. Also will discuss how to deal with such things as surface mount components found in today's radios.

4. **"Getting it all Together"**

Mary Lou Brown, NM7N SAT 2:30 PM Riverview A  
REPEATED SUN 9:30 AM Riverview A

For the newer hams. Steps in putting a station together and getting ready to go on the air. Includes necessary equipment, tuning the antenna, using a transmatch, techniques. Emphasis on HF.

5. **"Making That First Contact: Getting the Butterflies to Fly in Formation"**

Doug Stroh, WA7EJP SAT 1:00 PM Riverview A  
REPEATED SUN 11:00 AM Riverview A

Preparation is the key to making that first contact. This workshop will explore practical ways to prepare yourself and your radio equipment for your first adventure on the air. You will also receive several handouts.

6. **"ARRL Forum"**

Mary Lewis, W7QGP SAT 1:00 PM Riverview B

This forum will cover recent developments in the areas of FCC rules enforcement and fines, WARC '92, novice exam procedures, business communication (97.113), control operator responsibility, the spectrum planning effort, and other developments of importance to the amateur radio community.

7. **"The Frequency Spectrum - Its Allocation and Regulation"**

Dan Bergeron, KB4IYK SAT 2:30 PM Riverview B

A discussion of how frequency spectrum is allocated and regulated. Includes a short history, the roles of the ITU, WARC, IARU and National Administrations.

8. **"Mobile Antenna Matching"**

Allen Beer, K6GSO SUN 9:30 AM Riverview C

This seminar discusses the various methods of impedance matching between solid-state transmitters and low impedance mobile antennas, using toroids and padder capacitors.



*Portland  
Radio*

**S U P P L Y**

**SURGEON GENERAL'S WARNING:**

Visiting Our Booth May Be Hazardous For Those In Poor  
Health Due To Extremely High Levels Of Excitement!

SHOCKING

THE EXPERIENCE

WINNER

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#1

ECSTASY

THE FEELING

MORE

THE SCREAM

# Seminar Topic Info

*Continued from page 9*

9. **"DXCC Forum and Update"**

**Jim Fenstermaker, K9JF, with Chuck Hutchinson, K8CH, Mgr.,  
Membership Services, ARRL SAT 9:30 AM Riverview C**

This session will present a report on DXAC, what's happening in DXCC, slides about DXPeditions, and other DX-related events, with time for questions and answers.

10. **"From Horse Farm to Antenna Farm:  
W7RM's Exciting 5-year LaCenter, WA Project"**  
**Rush Drake, W7RM SAT 11:00 AM Riverview C**

Describes layout of 6 towers supporting 16 computer-designed yagis. Gives details of tower fabrication and assembly, guying rotating systems, yagi construction and erection techniques. Practical information for beginner and expert alike.

11. **"Behind the Scenes on a DXPedition"**  
**Ken Kopp, KØPP SAT 1:00 PM Riverview C**

Was it worth it? You bet! The experiences of a first-time DXPeditioner.

12. **"Teaching No-Code Technician License Classes"**  
**Delvin Bunton, N7QMT SAT 2:30 PM Riverview C**

The No-Code Technician License class can be taught in a much shorter time than traditional Novice classes. Several instructors with recent experience will discuss effective teaching methods. Audience participation is invited.

13. **"Resolving Interference"**  
**Lawrence J. Stuker, FCC Public Affairs Specialist  
SAT 4:00 PM Riverview C**

This session discusses FCC policy regarding interference complaints against hams.

14. **"Fingerprinting Transmitters for Fun & Profit"**  
**P.J. Ferrell, K7PF SAT 9:30 AM Seaside A**

Computer extraction of a transmitter's characteristic approach to getting on frequency, with demonstration.

15. **"Introduction to Computer Slow-Scan TV"**  
**George Hadley, N7SNI SAT 11:00 AM Seaside A**

An introduction to SSTV with discussion of the opportunities and problems in transmission and reception of signals using current computer technology.

16. **"Forty-four Years of HF Mobile Antenna Development"**  
**Don Johnson, W6AAQ SAT 1:00 PM Seaside A**

Don describes the evolution from obsolete HF mobile antennas where you have to stop the vehicle to change bands, to the latest low-cost, high efficiency home-grown models, which allow full band width operation from 3.5-30 MHz without slowing down.

17. **"Compact HF Antennas"**  
**Dr. Alan Chandler, K6RFK SAT 2:30 PM Seaside A**

How to obtain highest efficiency from electrically small electric and magnetic (loop) antennas.

18. **"Solid State RF Power Amplifiers - Fact & Fiction"**  
**Dan Peters, NY6U SAT 4:00 PM Seaside A**

A non-technical discussion of the care and feeding of RF power amplifiers, with emphasis on solid state amplifiers. Dispels several common myths.



# Information Continued

**19. "Packet Radio for Beginners"**

**Jeff Freedman, K7JF SAT 9:30 AM Seaside B & C**  
**REPEATED SUN 9:30 AM Seaside B**

You have probably heard or read about packet radio, but the technical jargon scares you away. Here is a beginner's guide to getting started, complete with simple-to-understand descriptions and examples.

**20. "Memorandum of Understanding: US Forest Service - ARRL"**

**Delvin R. Bunton, N7QMT SAT 11:00 AM Seaside B**

A discussion of the Memorandum of Understanding recently signed by the Federal land management agencies and ARRL, how it will work, what kind of requests might come, and how individuals can participate.

**21. "Intermediate Packet"**

**Kevin Brown, WA7SHP SAT 1:00 PM Seaside B & C**  
**REPEATED SUN 11:00 AM Seaside B**

This seminar will emphasize effective utilization of the packet radio network.

**22. "Advanced Packet"**

**Johan Reinalda, WG7J SAT 2:30 PM Seaside B**

Introduction to advanced network topics. Overview and comparison of Netram and TCP/IP and the possible future direction of packet radio.

**23. "TOPS Meeting"**

**Jim Wagner, KA7EHK SAT 4:00 PM Seaside B**

Forum on state-wide packet radio issues; election of officers.

**24. "Introduction to Army/Navy/Air Force MARS"**

**Joe Noecker, N7HMY/NNNØFGN SAT 11:00 AM Seaside C**

This will be a forum by staff members representing the three MARS services providing an overview of purposes, functions, and how and when to access the system for daily message service and emergency communications.

**25. "Oregon Regional Relay Council Meeting"**

**Mike McCartor, KA7NOO SAT 2:30 PM Seaside C**

This is the repeater owners' general membership meeting.

**26. "FEMA"**

**SAT 4:00 PM Seaside C. Speaker and title not identified at time of printing.**

**27. "Technical Aspects of RFI Problem Solving"**

**Joe Noecker, N7HMY SUN 9:30 AM Seaside A**

This presentation by the ARRL Oregon Section Technical Coordinator is an adjunct to material presented by Larry Stuker of the FCC.

**28. "Computer Control of Radios and Logging"**

**Gary Price, AA7HI SUN 9:30 AM Seaside C**

This seminar discusses and demonstrates several operating aid software programs, including Gary's own latest.

**29. "Better Audio for Receiving and Transmitting"**

**Ken Glanzer, K7GCO SUN 11:00 AM Seaside A**

Voice communication quality, reliability, and intelligibility can be markedly improved through a variety of speech processing methods. 🗣️

# Exhibitors

- AEA  
AES  
**Alinco**  
**Allantech**  
Amateur Radio Supply  
Ameritron  
**Antennas Northwest**  
**ARRL**  
**Auto Ham**  
B&B Instruments  
**Battery Tech**  
C-COMM  
Charles Simmons  
**Computer Nut**  
**Curleys Engraving**  
Cushcraft  
Cynthia Wall (author)  
DC Power  
Electro-Comm  
Falcon Communications  
**Ham Pro Antennas**  
**Ham Radio Outlet**  
**H. Stewart Design**  
**Handcrafted Wood Products**  
**Hats For Hams**  
Hoodview ARC  
**ICOM America**  
**Kenwood USA**  
**Larsen Electronics**  
Mental Automation  
**MFJ**  
**Motron Electronics**  
**Multi-Band Antennas**  
NCG  
**Nuts and Volts**  
**OEM Services**  
**Optoelectronics**  
Oregon Air Guard  
OTVARC  
Popcorn Hill Rptr Group  
Portland ARC  
**Portland Radio Supply**  
QCWA  
RF Parts  
**Ramsey Electronics**  
**Reno Radio**  
**SGC Inc.**  
**Smiley Antennas**  
St Helens Electronics  
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**Key options**  
**DSP-100** Digital Signal Processor.

**AT-300** 160 - 10 m external antenna tuner.  
**AT-850** 160 - 10 m internal antenna tuner.  
**DRU-2** Internal digital recording unit.  
**IF-232C** Computer interface. **PG-2X** DC cable. **PS-52** Power supply. **SO-2** TCXO. **SP-31** Matching external speaker.  
**VS-2** Voice synthesizer. **YG-455C-1** 500 Hz CW filter for 455 kHz IF. **YG-455CN-1** 250 Hz CW filter for 455 kHz IF. **YK-88C-1** 500 Hz CW filter for 8.83 MHz IF.  
**YK-88CN-1** 270 Hz CW filter for 8.83 MHz IF. **YK-88SN-1** 1.8 kHz SSB filter for 8.83 MHz IF.

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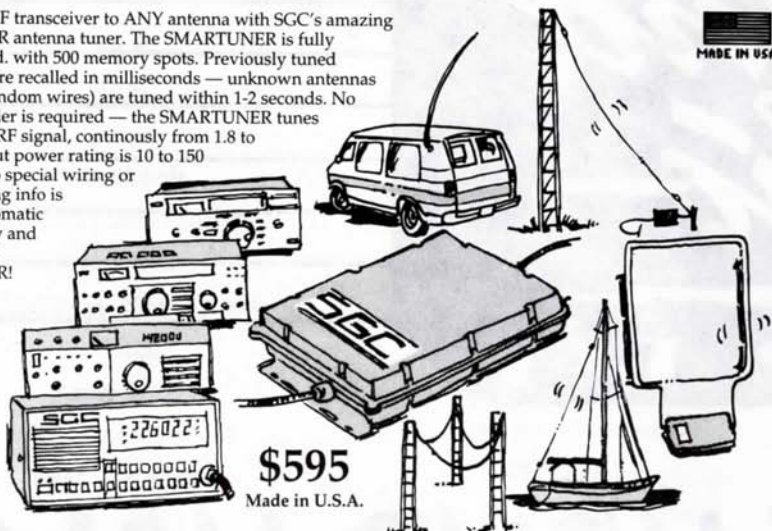


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# Banquet Program

## THE ALIENS

THE ALIENS Barbershop Quartet has been singing and entertaining audiences for the past 24 years and is one of the top show quartets in the country. They have been finalists in international competition on a regular basis.

Jim Richards (Tenor) is employed by Service America, Inc. as head catering chef at INTEL Corp. Bob Wiggins (lead) is employed in the maintenance supply department for United Airlines. Chuck Olson (Baritone) is a retired school teacher and Jay Thornberry (Bass) is a salesman for Rodda Paint Company in Portland.

So don't sit back and relax (you won't be able to) and do fasten your seat belt because here are four guys who thoroughly enjoy entertaining an audience.



## ARRL GUESTS

Mary Lewis, W7QGP, NW Division Director  
Rodney J. Stafford, KB6ZV, First Vice President  
Charles L. Hutchinson, K8CH, Manager Membership Services  
Dan Bergeron, KB4IYK, U. S. WARC Representative

## MASTER OF CEREMONIES

STAN GRIFFITHS, W7NI

Stan has been a ham since 1953 when he was first licensed at the age of 14 as WN7TML. Since then he has had over 130,000 QSO's, most of them in HF contests. He has about 30 contest awards plus about 20 other operating awards. Stan says the most fun he has ever had in ham radio was writing and performing in the three "Stanley Hamm" skits at past SeaPac Conventions.

In between scheduled banquet events, Stan plans to use the audience to help test one of his pet theories about ham radio.



# 1992 SCHOLARSHIP WINNER

## DARIN HAINES, N7RLI

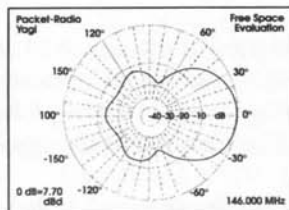
The Oregon Tualatin Valley Amateur Radio Club Scholarship is funded by the proceeds of the SeaPac Ham Convention. The scholarship is \$1500 to a ham from this area who is pursuing an education related to science or engineering. This year OTVARC received \$550 in anonymous donations to the scholarship fund so the total for our winner in 1992 is \$2050.

The 1992 winner is Darin Haines, N7RLI. Darin started school at Clackamas Community College in Oregon City in the spring of 1992 and is maintaining a 4.0 gpa. After two years at CCC he plans to transfer to Oregon State University and earn a B. S. Degree.

Darin has been interested in ham radio for about 15 years. His Elmers have been Jim, W7GPW and Tom NX7P. He took the Novice written exam and passed the 13wpm code in November, 1990, becoming KB7MLH in January, 1991. He passed the Technician and General written exams in March, 1991. Darin operates on 80 meters using a Yaesu FT101EE donated by Jim, W7GPW.

For more information on the OTVARC Scholarship visit the OTVARC Booth or contact Pat Griffiths, KA7UFG, at 649-0837

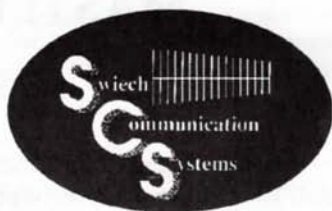
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# Nominees for Ham Of The Year

**Jim Schaeffer - KB7ADH**, is dedicated to the value of ham radio as a non-commercial communication service, the advancement of the radio art, advancing the technical phases, expanding the reservoir of trained operators and international goodwill. Jim also contributes to the community through Portland Roadrunners and Doernbecher Foundation.

**Mike Dunlap, K7MYU**, is a professor of computer science at Willamette University, has held the office of President of the Salem club, teaches radio classes and participates in VE testing and is currently the Assistant Section Emergency Coordinator of Oregon. Mike's efforts have been invaluable to the State of Oregon and ARES.

## Nominees for Club Awards

### Outstanding Achievement

**Keno Amateur Radio Club.** Beginning with a random QSO in September 1990, the amateurs in Keno, Oregon established an active Sister City program with Otsuke, Japan. They were recently visited by 18 members of the Otsuke Amateur Radio Club. Their goal is to show that the amateur community does unite peoples of different cultures in a common bond.

### Consistent Contribution

**Hoodview Amateur Radio Club** is a family-oriented public service and educational resource club. HARC provided key speakers at the Sapporo Ham Forum sponsored by their sister club, JA8YAB. They have the most certified VEs of any club in Oregon and offer license classes, VE sessions and two scholarships in electronics at Mt. Hood Community College.

**Keno Amateur Radio Club.** Keno ARC was chartered in December 1988. All members are enrolled in ARES. The club is part of PP&L's "Radio Help" program, contributes to the Keno Food Bank and provides communications for public service. Keno ARC has a sister city program with Otsuki, Japan, initiated a hamfair in 1992 and is soliciting support for a new repeater.



# Prize Drawing Information

*Need Not Be Present To Win*

ICOM ..... IC 735 HF  
Kenwood ..... TM 741A Tri-Band Mobile  
Yaesu ..... FT 415 HT  
Standard ..... C168A Mini 2m HT  
Alinco ..... DR 599 Dual Band Mobile  
SGC ..... 230 HF Tuner

*Must Be Present To Win*

Alinco ..... DJ 580 Dual Band HT  
Yaesu ..... FT 2400H 2m Mobile  
Kenwood ..... TH 28A 2m Mobile  
ICOM ..... IC 2SAT 2m HT  
MFJ ..... 949D Tuner  
Multi-Band Ant. .. Spider HF Mobile Antenna

*(none given 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 1-2PM 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 AWARDS**

Posted in the lobby and  
on stage for 2 hours.

*Those unclaimed will be re-issued.*

## **SPECIAL**

### **Early Bird Award**

Alinco DJ580  
Dual Band HT  
MFJ 207 HF SWR Analyzer



# LADIES PROGRAM

Ladies Hospitality Suite, Huntley Inn, Room 125

## SCHEDULED HOURS

Friday, June 12	- 5 pm to 8 pm	Coffee, Cards and Conversation
Saturday, June 13	- 9 am to 5 pm	Coffee, Treats, Seminars, and Friends
Sunday, June 14	- 9 am to 12 noon	Coffee, Treats and a Seminar

## SEMINARS

Saturday - 10-11 am	Dream Interpretation by Tom Stallone
Saturday - 2:30-4:30 pm	Earring Construction by Ava Lasater (materials fee for those wishing to create their own earrings)
Sunday - 10-11 am	Planets, Stars and Things Far Away by Robert Sealy

---

## LADIES LUNCHEON

**Shilo Inn**

11:30AM - 2:00PM

Dolphin Rooms 2 and 3

**"Ladies, Can we Talk"?**

Presented by  
Phyllis Denham W7KGF  
and her daughter  
Mary Lou Zehendner WQ7V

---

## LADIES TREASURE HUNT

Sponsored by  
**Seaside Chamber of Commerce**

**FREE**

Friday - evening  
Saturday - all day  
Sunday - all day

Participants must be  
21 years or older.  
Tickets available in  
Ladies Hospitality Suite  
Huntley Inn Room 125  
*Good Luck*

---

## CONTRIBUTORS

*Thanks to the following who have contributed to the Ladies Program*

Hi-School Pharmacy of Oregon  
Meier & Frank, Portland, Oregon  
Oriflame International, Karen Cole, Portland, Oregon  
Speakers Bureau, Pacific University Psychological Services Center  
State Farm Insurance, Agent Jerry Ross, Vancouver, Washington  
Toady's Garden, Hillsboro, Oregon  
Touch of Mink, Salem, Oregon



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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 in the upstairs flea market. Test equipment available 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.

Of course, neither RAGs nor **SEAPAC** can accept any responsibility for the condition or operability of any equipment, nor can we be held culpable for any equipment damaged as a result of the use of this equipment.

# 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 COMM.

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

## TREASURER

Susan Benson, N7EPE

## CASINO NIGHT

Ray Deeth, K7VDO  
Bobbi Antons  
Mary Berg, N7TRW  
Tony Antons, KA7ZDE  
Wally Boleen, KC7TB  
Don Branda, N7DDK

## EXHIBITORS

Al Berg, WB7SIC

## EXHIBIT SET-UP

Neil McKie, WA6KLA  
John Kenneke, KA7PGB  
Marshall Erling, KA7WHA  
Wes Allen, K7WWG  
Wayne Allen, KB7OYI  
Steve Brice, NA7T  
Jack Root, N7VEV  
Ivan Looch, N7PRM

## EXHIBITORS HOSP.

Bobbi Antons

## FLEA MARKET

Rick Doescher, N7SRN  
Jack Smithson, KA7HOJ  
Chuck Mickley, KI7CL  
Bill Vesser, N7RYQ  
Roger Noyes, KA7RNN

## PRIZE COMMITTEE

Roger Noyes, KA7RNN  
Bud Butterfield, KC7PS  
Don Branda, N7DDK  
Wally Boleen, KC7TB  
Chuck Samuel, K7NWM  
Bill Vesser, N7RYQ  
Stan Griffiths, W7NI  
Al Berg, WB7SIC

## LADIES PROGRAM

Betty Mickley, N7REX  
Sharon Coan, KA7NAN  
Cheryl Stimson, N7SXO  
Katie Lapay, N7GCL  
Glenda McClure, KB7MJT  
Joan Schouweiler, N7LMK

## PRINTING/ADVER.

Bradley Beach, N7NVC

## REGISTRATION

Hanford Van Ness, KE7BB

## SECURITY

Darwin Durr, K7PSD  
Steve Coan, KA7MOW  
Alan Churchill, AA7CV  
Ed Reynolds, N7SNT

## SEMINARS

Tektronix Employees A.R.C.

Gene Single, K7IUN

## TALK IN STN.

John Klein, KA7ICV  
Rex Danton, KA7YKR

## V.E. TESTING

Randy Cobb, WN7W  
Bob Orr, WF7Q  
Mary Berg, N7TRW

## COURTESY BUS

Portland A.R.C.  
Ray Pearl, AA7IH

## SCHOLARSHIP/ AWARDS

Pat Griffiths, KA7UFG  
Bob Orr, WF7Q  
Don Branda, N7DDK  
Wally Boleen, KC7TB  
Susan Benson, N7EPE

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<b>2K CLASSIC</b> .....	Console Amplifier	<b>3K CLASSIC RF</b> .....	RF Deck only
<b>2K CLASSIC X</b> .....	Domestic Console	<b>5K CLASSIC</b> .....	Export Console
<b>2K CLASSIC X</b> .....	Export Console	<b>5K CLASSIC RF</b> .....	RF Deck only
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June 5 & 6, 1993

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_____ Children 12 and under FREE.	
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_____ Saturday QCWA Lunch at \$7.50 (150 person limit) -----	\$_____
_____ Saturday Ladies Luncheon at \$7.00 (80 person limit) -----	\$_____
_____ Saturday Banquet Halibut Dinner at \$17.00 ea -----	\$_____
_____ Saturday Banquet Prime Rib Dinner at 17.00 ea -----	\$_____
<i>Note: All registrants, including convention sponsors, are eligible for prize drawings and/or contest awards.</i>	
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