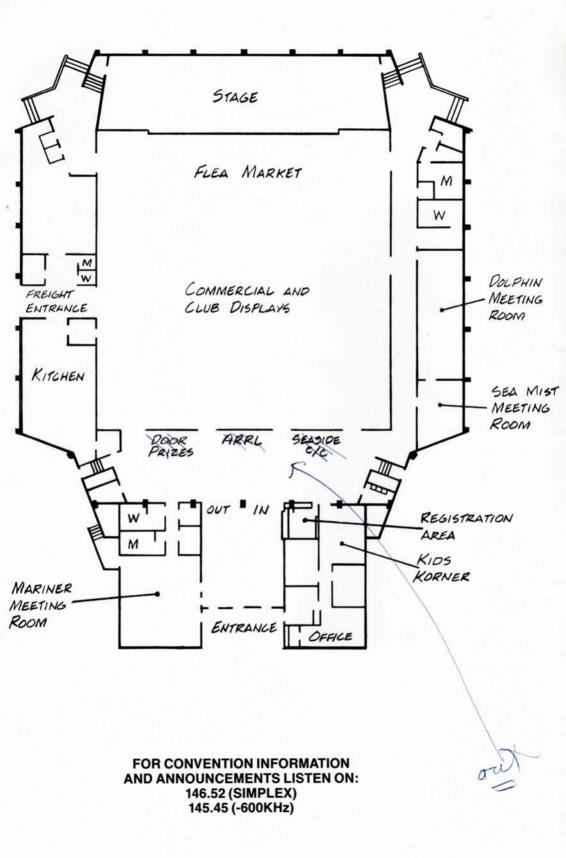


June 3-4-5, 1983 Convention Center Seaside, Oregon

Co-sponsors

Oregon Tualatin Valley Amateur Radio Club &

North Coast Repeater Association





OFFICE OF THE GOVERNOR STATE CAPITOL SALEM. OREGON 97310

June 1983

STATEMENT BY THE GOVERNOR

GREETINGS:

On behalf of all Oregonians, welcome to Seaside and the third annual

OREGON STATE HAM CONVENTION.

This convention should provide the best of everything - Oregon's breathtaking coastline, a host of informative speakers, and an ideal opportunity to "talk shop" with fellow hams.

There are few better examples of people coming together to help others than ham operators, and I am gratified at the number of Oregonians involved in amateur radio. In time of need, it is good to know you are there.

May you have a most successful and enjoyable convention.

Sincerely,

Governor

Schedule of Program

Friday, June 3

4 p.m. to 9 p.m.

Registration & Exhibits open.

4 p.m. to 6 p.m.

Ladies' Treasure Hunt

8 p.m.

Saturday, June 4

All Day

Snack Bar, Ladies' Treasure Hunt

8 a.m. to 7 p.m.

Registration open.

8 a.m. to 5 p.m.

Exhibits open. Flea Markets open.

9 a.m.

Kid's Cartoons until 4 p.m.

FCC Testing (by previous appointment) Landmark Motor Hotel, Room 125

12 Noon

Council of Clubs (Sea Mist Room)

Bunny Hunt

1 p.m.

2 p.m.

3:30 p.m.

ARRL Forum (Sea Mist Room)

6 p.m.

Cocktail Hour (Convention Center Foyer)

7 p.m.

Banquet (Convention Center)

Sunday, June 5

8 a.m.

Registration, Exhibits &

Flea Market open.

9 a.m.

Kid's Cartoons until 12 Noon.

12:30 to 1:30 p.m.

Prize Drawings

2 p.m.

Convention closes.

"Hope to See You Next Year"

Events ... June 3-4-5

7 p.m.

MARINER ROOM

Care and Feeding of Ni-Cads

DOLPHIN ROOM

8 p.m.	AEA QRP Transceiver Demonstration & Other Products. Stan Griffith, W7NI	
9 a.m.	Conquering the Lunar Path.	A Simple Packet Radio System.

	Tim Pettis, KL7WE	Neil Robin, WA7NBF
10 a.m.	Healthkit: Computer Interfaceable Amateur Gear. Brian Hawkins	Amateur VHF and Microwaves — A Show & Tell. Tom Hill WA3RMX
11 a.m.	Traffic Handling Basics. Vic Seeberger, W7VSE	VIC 20 and Amateur Radio. Jim Meyers, WB7QFJ
1 p.m.	TV Cable Systems, How They Work & How To Live With Them. Ken Knoche, K7PZU	Amateur Packet Radio. John Beaston, N6TY
2 p.m.	DXpedition to Christmas Island. Mark Nelson, AA6DX	The ARRL, Recent Ham Legislation & Other Information. Larry Price, W4PA, Dale Clift, WA3NLO, and The Honorable Greg Milnes W7AGO
3:30 p.m.	Alternate Power for Amateur Radio. Ed Warchol, BPA	Optimizing the Direct Conversion Receiver.

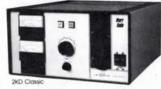
Note: The convention's sponsors reserve the right to alter the convention schedule.

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Banquet Speaker:



Richard W. Underwood
Technical Assistant to the Chief
Photographic Technology Division
NASA Johnson Space Center
Houston, Texas

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NASA Apollo cameras let the world witness such monumental events as the first recorded "Earthrise" from lunar orbit, Neil Armstrong's first footprint on the moon and Gene Cernan's last, and all the exciting events such as looking into deep canyons, driving up high mountains, visiting other spacecraft, and the excitement of the Apollo 13 rescue operation.

In three Skylab missions astronauts record with cameras the problems of extended living in space, complex scientific experiments, and the remarkable view of the earth from multispectral cameras, forcing the earth to give up even more of its secrets. Apollo Soyuz let us witness a joint international space venture.

NASA's unmanned space probes permit us to observe close-up the stark and seering surface of Mercury; a cloud-covered Venus; the canyons, mountains, and monumental dust storms of Mars from high above as well as fist-sized rocks from its surface. Volcanic eruptions on a moon of Jupiter and the massive and violent storms of Jupiter and the massive and violent storms of Jupiter produce awe as does a flight along the rings of Saturn.

SPEAKER TOPIC INFORMATION

Optimizing the Direct Conversion Receiver. Roy Lewallen, W7EL will show how to design direct conversion receivers for optimal performance and how the mediocre performance of many direct conversion receivers is due to casual design rather than inherent limitations. The advantages and disadvantages of direct conversion and superhetrodyne techniques will also be discussed.

Amateur Packet Radio. John Beaston, N6TY has been involved in amateur radio applications for microprocessors for several years. Last year John gave a seminar on the potential of Packet Radio and how to get started. This year he will review the basics of amateur packet radio and conduct a live demonstration. Here's another use for that microcomputer.

A Simple Packet Radio System. Neil Robin, WA7NBF will define Packet Radio and discuss the problems with most amateur radio packet systems. Neil will describe a simple protocol system, the hardware required and some of its faults. He will also describe the hardware and software implementation of his system on Apple computer along with a demonstration showing how error detection and correction works.

The ARRL, Recent Ham Legislation & other information. This seminar will be presented by Larry Price, W4RA, ARRL Vice President from Statesboro, Georgia, and Dale Clift, WA3NLO, editor of QST League Lines. Larry and Dale will be bringing the latest news out of ARRL Headquarters, on how recent legislation (The Goldwater Bill) affects you and how the league proposes to implement some of the provisions. They will also relate any news they have on zoning ordinances, cable TV interference, new bands, etc. We will also have on hand, The Honorable Gregory Milnes, W7AGQ, the presiding Circuit Judge for Washington County to relate local regulations affecting tower erection.

VIC-20 and Amateur Radio. Jim Meyers, WB7QFJ, and Lee Strahan, K7TJR, have been running a net on Tuesday evenings at 8 p.m. on the 146.84 repeater in the Portland area, for those interested in microcomputers. They have had a terrific response from VIC-20 and other small microcomputer users in the area. Jim and Lee will show off some of the hardware they have talked about on the net and give a live demonstration of amateur CW, RTTY and other applications for these powerful little computers.

Heathkit: Computer Interfaceable Amateur Gear. Brian Hawkins, general manager of the Heathkit store in Vancouver, U.S.A. will be here to show off the latest additions to the Heath lines of amateur radio equipment and how it can be tied in with the home computer.

Traffic Handling Basics. Vic Seeberger, W7VSE is the Section Traffic Manager and is very active in local and regional traffic net operation. Vic, along with Gary, WA7LGN and Pat, KN7B will start out with the basics of traffic handling including a description of the National Traffic Systems (NTS) and how messages get from point A to B. From there they will proceed to the finer points such as proper message format, net procedures, etc. This will be a chance for the newcomer and OT'er alike to learn more about one of the most rewarding aspects of amateur radio.

DX Pedition to Christmas Island. Mark Nelson, AA6DX is an Assistant Director of the ARRL, and an active member of the Northern California Contest Club. Last year, Mark operated T32AL from Christmas Island in the central Pacific south of Hawaii. He will talk about the logistics involved in the DX Pedition and show slides. Al Berg, WB7SIC was Mark's QSL Manager for the DX Pedition.

Alternate Power for Amateur Radio. Ed Warchol, Bonneville Power Administration. Ed has a degree in Electrical Engineering and has been in the Generation Engineering Branch of the Division of Resource Engineering at BPA since 1976. He will discuss the nsc of photovoltaic cells and small scale wind machines as power sources for amateur radio stations and repeater sites. Ed will also talk about BPA's involvement with large wind power applications and other aspects of their conservation projects.

Care and Feeding of Ni Cads. Byron M. Witt, W7VOK, is a Senior Component Engineer with Tektronix, Inc. in Beaverton. Byron will tell us how to get longer life out of the rechargeable batteries on your hand-held transceiver. Byron will also discuss the principle failure causes in Ni-cads and how to prevent premature failure of these often expensive little power sources.

Conquering the Lunar Path. Tim Pettis, KL7WE has been in Alaska for 14 years supervising the operation and maintenance of communication stations, satellite earth stations and microwave systems around the Gulf of Alaska. Tim has possibly the smallest successful 70 CM EME (Earth-Moon-Earth or Moonbounce) station in operation. He will discuss the technical and operational aspects of EME and show slides and play tape recordings of actual transmissions and echoes from his station. He may even convince you that you, too, can bounce signals off the moon.

Amateur VHF and Microwaves — A Show & Tell. Tom Hill, WA3RMX/7 will describe and demonstrate gear which he has built for all the amateur bands from 432 MHZ to 50 GHZ. This is a practical talk, showing what has been done and also describing ongoing experiments. Many modes will be shown, including CW, SSB, FM, and fast-scan microwave color TV transmissions. We hope this talk will remove some of the fears you have of VHF and Microwave and then promote more activity on these amateur frequencies.

AEA-QRP Transceiver Demo & other products. Stan Griffith, W7NI is the owner of Antronics of Oregon in Aloha and works as a sales engineer for Tektronix for their Spectrum Analyzers. Stan will demonstrate a remarkable new product from AEA. You will be able to work DX stations with ease on very simple antennas when using this product. You won't believe it. Stan will also talk about other AEA products and relate what it is like to be an amateur radio equipment dealer.

TV Cable Systems: How they work and how to live with them. Ken Knoche, ex-K7PZU is operations manager for Liberty Cable in Portland. Liberty provides cable service to the west side of Portland and parts of Washington County. Ken will describe the general design of a Cable TV system and give a brief engineering discussion on how the signals get through the system and into the home. He will talk about the steps taken to prevent leakage and how it is detected and corrected. This is a "must" seminar for all those living in Washington County.

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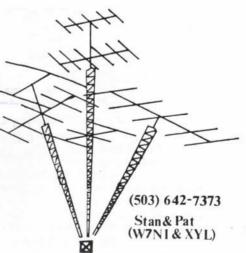
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American Radio Relay League

Ron New Speaker | Richard Underwood, Banquet Speaker

23 - Larry Price, W4RA, ARRL VP

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Greg Milnes, W7AGQ

Master of Ceremonies & Seminar

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Warren Winner, W7JDT, Oregon Tualatin Valley ARC

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KB7 1657 NOCRE N7CIZ

The North Coast Repeater Association and the Oregon Tualatin Valley Amateur Radio Club

would like to take this opportunity to thank the many hard working individuals who have made the convention a success.

A special thanks to all of the clubs in the Pacific Northwest that were of such great help in advertising the convention.

We are deeply grateful to our many exhibitors for showing us their products. Without them, this would not have been a successful convention.

Until next year...

73 & 88's

Al Berg WB7SIC
Doc McLendon W7GWC
Warren Winner W7JDT

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Maritime Museum. 17th and Marine Drive, Astoria.

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Flavel House. Clatsop County Historical Society, 8th & Exchange, Astoria.

Astoria Bridge. A part of U.S. Highway 101, joins Washington and Oregon.

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Peter Iredale. Fort Stevens State Park.

Fort Clatsop. Museum, movie, tour replica of the fort, canoe landing and ranger demonstration.

Salt Cairn. Lewis and Clark Way, Seaside.

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Tillamook Rock Lighthouse. Island off Tillamook Head, best viewed from the point at Ecola State Park, Cannon Beach.

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Ecola State Park. Beautiful view of Haystack Rock and Tillamook Rock Lighthouse.

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Tillamook Cheese Factory. Tillamook.

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