



27th Year

## Northwestern Division ARRL Convention



## Seaside Convention Center Seaside, Oregon

June 5th, 6th and 7th, 2009

Web: <http://www.seapac.org>

Presented by  
Oregon Tualatin Valley  
Amateur Radio Club





# SEAOPAC

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### ***V.E. TEST SESSION***

***Testing at Our Saviour's Lutheran Church—East Parish Hall  
(North—across the street from the Convention Center)***

***One Session—Saturday at 9 AM***

***Pre-registration requested. Walk-ins — Space Available***



# SCHEDULE OF EVENTS

## Friday, June 5

Seminars (Seaside Room)	11:00 AM – 4:00 PM
Registration	11:00 AM – 8:00 PM
Exhibitor & Flea Market ( <i>Setup Only</i> )	11:00 AM – 8:00 PM

## Saturday, June 6

Exhibitor/Flea Market Set-Up	7:30 AM – 9:00 AM
Registration	8:00 AM – 4:30 PM
Exhibits & Flea Market	9:00 AM – 4:30 PM
Snack Bar	9:00 AM – 4:30 PM
VE Exams (Our Saviour's East Parish Hall)	9:00 AM – NOON
Seminars (Seaside & Riverview Rooms)	9:30 AM – 5:00 PM
Hourly Prizes	10:00 AM – 4:15 PM
DX Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
YLRL Luncheon (Best Western Oceanview)	11:30 AM – 1:30 PM
ARRL Forum (Seaside A&B)	1:00 PM – 2:15 PM
Special SEA-PAC Prizes	2:30 PM
Bunny Hunt (Convention Center Flag Pole)	3:00 PM
Pre-Banquet Happy Hour (Convention Lobby)	6:30 PM – 7:15 PM
SEA-PAC Banquet (Convention Center)	7:15 PM – 9:30 PM
Wouff Hong Ceremony (Seaside A & B)	10:30 PM—11:30 PM

## Sunday, June 7

Registration	8:30 AM – 12:00 PM
Exhibits & Flea Market	9:00 AM – 1:00 PM
Snack Bar	9:30 AM – 12:30 PM
Hourly Prizes	9:00 AM – 1:00 PM
Special SEA-PAC Prizes	10:30 AM
Major SEA-PAC Prizes	1:00 PM – 2:00 PM
Convention Closes	2:00 pm

# WELCOME

**SEAPAC**, the Northwestern Division ARRL Convention, is sponsored by the Oregon Tualatin Valley Amateur Radio Club. Co-Sponsors include Clark County Amateur Radio Club, Hoodview Amateur Radio Club, and Sunset Empire Amateur Radio Club.

*Thanks to convention volunteers for their assistance. We invite everyone to enjoy themselves to the fullest and be a part of making this event a success.*

## OTVARC Scholarship Winner

This years recipient of the Chuck Mikley Scholarship is Morgan Brethower, KD7ZLL.

My name is Morgan Brethower, KD7ZLL. I am a Freshman in Physics and Electrical Engineering at Oregon State University. I hope to do research in optics or solid state electronics someday, and, eventually, become an astronaut. My first exposure to radio was in grade school, watching my godfather talk to his brother. I was impressed that he could talk to North Dakota from his Oregon station. I earned my Technician license in 2004, and I've spent most of my time in the 2-meter band. I've talked to Australia and Wales via VoIP, and supported Boy Scout camps on my handheld. Radio inspired me to work with electronics, computer networking and technical theater. In the next five years, I hope to earn my General license, start talking via satellite repeater, and continue my studies.



### **Special Event station W1AW/7**

Saturday 9 AM - 4:30 PM

Sunday 9 AM - 1 PM

Bands: 80m-10m CW and SSB.

All licensed amateurs are encouraged to stop by the station set up in the Convention Center lobby and operate the station.

Phil Westover, WA7URV and Russ Mickiewicz, N7QR, the coordinators for this event, will be assisting new hams who are interested in actually getting their feet wet and getting some on the air experience on the HF bands.

Special event QSL cards will be sent to stations working W1AW/7.

# SEAOPAC EXHIBITORS

10-10 International	NCG/Comet Co.
A Better T-Shirt	Omnitec R&D
ARRL	Oregon Internet Radio Group
ARRL 7th Dist. QSL Bureau	Oregon Region Relay Council
Amateur Radio Relay Group	OTVARC
Arcom Communications	Providence
Badge Boys	Communications Team
Battery Tech Inc.	Providence Disaster Team
Books Etc.	QR-ZED Engraving
Buddipole Antennas	Rescue Tape NW
Clark County ARC	Rose's Covers and Cases
DC Power LLC	Sciesis Scientific
D-RATS	Super Antennas
Elecraft	Surplus Gizmos
Flex Radio Systems	Ten-Tec
Fue Enterprises	The DX Store
Hotpress Ham Hats	Tigertronics
HRO (Ham Radio Outlet)	US Navy/Marine Corps MARS
ICOM America	Ventenna Co.
J Poles	Vertex Standard - Yaesu
J&K Enterprises	Western Case Company
Larry's Antennas LLC	Western Washington
LED Wholesalers.com	Amateur Radio Assoc.
	YLRL

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

# BANQUET SPEAKER

The ~~SEA~~**PAC** banquet is a time to reacquaint yourself with hams from around the division, the nation and the world. Our guest speaker at this years banquet is best known as the reporter who brought the world the “exploding whale” story and his feel-good “Spirit of the Northwest” features on local residents. Paul Linnman began his career at KATU in 1967 and spent all but five years of his broadcast career at the station.

Lyndon B. Johnson was president, Otis Redding was riding the charts with his hit single “(Sittin’ On) The Dock of the Bay,” and an assassin ended the life of Martin Luther King Jr. the year Linnman stepped in front of a television camera for the first time.

And what a year it was for the 21-year-old fledgling reporter who always thought he wanted to be a newspaper sports reporter, until he was told if he didn’t have a great memory, he would never make it in the business.

Good memory or not, Linnman had a knack for condensing a complicated story and telling it on air in a matter of a few seconds.

It was an election year in 1968, and one of Linnman’s first jobs was to spend a week with each of the presidential candidates, all of whom spent extensive time visiting Oregon.

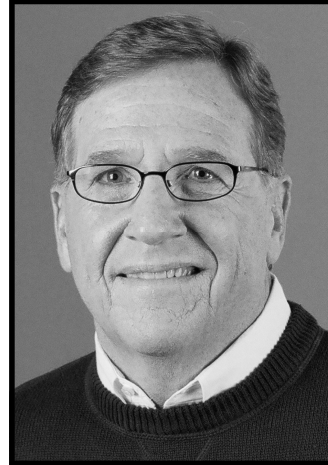
His career has been filled with sports stars, entertainment figures, international dignitaries. He had dinner at the White House, flew with the Blue Angels, trekked though Nepal, attended festivals in Japan and tried out for the Pittsburgh Pirates baseball team as part of the job.

Paul Linnman is an accomplished author with two books published:

“The Exploding Whale: And Other Remarkable Stories from the Evening News” (Graphic Arts Center, \$16.95). As a young reporter, Paul Linnman was sent to the Oregon coast in 1970 to cover the story of state officials trying to dispose of a rotting whale carcass in the sand.

“Oregon Golf” (Graphic Arts Center, \$29.95) An avid golfer, Linnman offers a close look at each golf course in Oregon. The book covers both the courses and the interesting features and history of the locations.

Paul and wife Vickie live in Portland and are the proud parents of 4 grown sons and grandparents to three.



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Don’t miss this event, get your ~~SEA~~**PAC** event and banquet tickets today as seating is limited.

## Banquet Awards

*Icom IC-VT90A Tri-band HT*

*Kenwood TH-F6A Tri-band HT*

# SEAOPAC PRIZE DONORS

## Seaside, OR

Best Western Oceanview Resorts  
Bigfoots Steak House  
Camp 18 Restaurant & Gift Shop  
Circle Creek RV Park  
Dooger's Seafood & Grill  
Holiday Express Inn  
Inn at Seaside  
Motel 6  
Norma's Ocean Diner  
Pig 'N Pancake  
Portland Fudge  
Seaside Chamber of Commerce  
Seaside Helicopters  
Sundowner Inns of Seaside  
The Pizza Harbor  
Venice RV  
Mckeowns Restaurant & Bar  
Sam's Seaside Café

Gearhart by the Sea  
Gearhart, OR

Ham Radio Outlet  
Portland, OR

SHILO Management Group  
Portland, OR

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Arcom  
Buddipole  
Fue Enterprises  
Hotpress Ham Hats  
J Poles  
NCG  
Ten Tec  
Western Case

Ebbtide Enterprises  
Portland, Oregon

Kenwood Corp.  
Suwanee, GA

Vertex Standard (Yeasu)  
Cypress, CA

Nehalem Bay Wine  
Nehalem, OR

Pulse Larsen Antennas  
Vancouver, WA

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## The Royal Order of the Wouff Hong

Invites you to an initiation into their royal order, which will be held at 10:30 PM Saturday night in the Convention Center Seaside rooms A & B. You must be a current member of the ARRL to attend this one hour ceremony. Registrations are being taken in the lobby. Those attending the ceremony will receive a commemorative ARRL certificate.

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



# SEAOPAC PRIZES

**ALL PRIZE MODELS SUBJECT TO CHANGE**

**Sunday, 1:00 - 2:00 pm**

*Kenwood TS-480SAT HF-6M*  
*Yaesu FTM-10R dual band mobile*  
*ICOM IC-208H dual band mobile*

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*42" LCD TV*  
*Icom IC-2820H dual band mobile*  
*Garmin GPS*

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**Early-Early Bird Prize**  
Website Registrations by February 13, 2009

*Yaesu VX-6R Tri-band HT*

**Early Bird Prize**  
Registration postmarked by May 7, 2009  
*Icom IC-91A dual band HT*  
*Yaesu FT-8800R dual band mobile*

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**HOURLY PRIZES**  
*Unclaimed prizes are re-issued!*

Hourly prizes posted for two hours in the lobby and on stage



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PORTLAND, OR - SALEM, NH - SAN DIEGO, CA - SUNNYVALE, CA - BURBANK, CA - WOODBRIDGE, VA

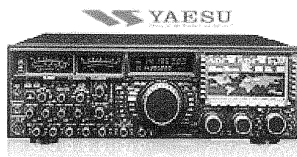
# Welcome to Seaside!

## Come by our booth and receive special show pricing!

**For the Discriminating Ham**



ICOM  
IC-7800



FTDX-9000D



TS-2000

# SEMINARS

***Please silence audio signals during the seminars.***

Let these Sea-Pac seminars catch your interest and open the door to new ham radio adventures. The presenters below volunteer their experience to share with you their knowledge and skills on the many facets of this great hobby. What ever your interests are, you're sure to acquire new knowledge to take home and enjoy.

Below is an overview of the seminars Sea-Pac is presenting this year. This will help you select the seminars of interest. A thank you to presenters is always appreciated. And as a courtesy to all, be sure your hand-held radios and cell phones are turned off during the seminar.

## FRIDAY

**11:00 AM** **Everything You Wanted to Know About Bats**  
**Riverview A,B&C** **Curt Black WR5J, EPA Environmental Scientist**

Technical Advisor to Bats Northwest and helps with their annual Bat Ambassador training. Curt holds a B.S. in Geology, B.S. in Zoology and a Masters in Hydrogeology. Curt enjoys nature sound recording, Amateur Radio and Natural History. Enjoy Curt's bat video & audio presentation for all ages. Follow up with the Live Field talk at 8:30 PM

**12:30 PM** **Outpost Messenger Program**  
**Riverview A,B&C** **Vern Smith KA7DCQ**

Vern is a member of Clark County, Washington ARES/Races Group and was one of the first Packet Radio Stations operating in the Portland area back in the early 1980's. A presentation on the "Outpost Messenger" software program by Jim Oberhofer KN6PE.

**2:00 PM** **DXpedition in the Caribbean**  
**Riverview A,B&C** **Budd Drummond W3FF**

A presentation on the "Buddies in the Caribbean" DXpedition where 8 operators show up with just suitcases and go portable for seven days. Did you work them? Attend and find out how this DXpedition unfolded and worked the world.

**4:00 PM** **DX on a low budget with light radio gear,**  
**Riverview A,B&C** **but with LOTS of QSO's Bob Norin W7YAAQ**

A travelogue with detailed planning and preparation aspects of this 3-week trip to Fiji and Tuvalu in the South Pacific.

## FRIDAY

8:30 PM

Mill Pond Park

### **Live Field Talk About Bats**

**Curt Black WR5J, Environmental Scientist**

Directions will be given at the 11:00 AM Seminar. (See 11AM Seminar) Join Curt in a walk through Mill Pond Park and observe bats in their natural habitat.

## SATURDAY

10:00 AM

Seaside A&B

### **Emergency Management – Oregon**

**Vincent Van Der Hyde K7VV**

A three-part presentation of ARES/RACES in Oregon. Oregon Emergency Management in disaster situations, the growing use of the Oregon ARES Digital Network (OADN) and where Oregon ARES/RACES is headed at both state and local levels.

10:00 AM

Seaside C

### **Ideas for teaching Ham Radio Classes and where ham growth occurred in 2007-2009 Delvin Button N7QMT**

A presentation on some of the successful techniques for teaching technician and general license classes. Also view a map presentation that shows the Northwest Division ham growth over the past few years

10:00 AM

Riverview A&B

### **Emergency Preparedness**

**Nicole Stacy – Clatsop County Red Cross Cord.  
Tom Manning – Volunteer Cord. Clatsop County Sheriff's Office**

A presentation on many types of emergency preparedness, which will cover everything from you at your residence to evacuation situations. Will include discussion on Tsunami preparation.

11:00 AM

Seaside C

### **High Performance Software Defined Radio**

**The next generation — Dan Quigley N7HQ**

While the concept of SDR is not new, the rapidly evolving capabilities of digital electronics are making practical transceiver performance and features that were once only theoretically possible. Dan described the technical characteristics of the next generation 100 Watt SDR transceiver and demonstrates this in his latest completed project, which has a delightfully surprising twist.

11:00 AM

Seaside A&B

### **Constructing a 4-square 40 meter array at your QTH**

**Wilse Morgan WX7P**

Are you into antennas? A fascinating presentation about the construction and use of four vertical antennas resonant on 40 meters, placed in a "4-square" array, electrically switched from the shack for maximum gain in the desired direction. Very handy during contesting.

## SATURDAY

11:00 AM  
Riverview A&B

**Learn how to Beat Morse Code**  
**Bill Balzarini KL7BB**

Come and learn how to Beat the Morse Code, the "Original Digital Mode", sent one bit at a time. Tips on listening ahead, writing behind, all while building a code buffer. Apply this method from 5 to 40+ words per minute and beyond.

1:00 PM  
Seaside A&B

**ARRL Forum**  
**Dave Sumner K1ZZ, CEO of the ARRL**  
**Jim Fenstermaker K9JF, Director, ARRL NW Division**

An opportunity to meet with Dave Sumner and Jim Fenstermaker and find out what the ARRL sees as the future of Amateur Radio.

1:00 PM  
Riverview A&B

**Ride The Terminator @ 66° 33' North Latitude**  
**Bill Balzarini KL7BB**

At the intersection of 66° 33' North Latitude and the Dalton Highway, 300 miles South of the Arctic Ocean, the 2008 ARRL special events station W1AW/KL7 operated for 2 weeks with the HF bands open to all corners of the world utilizing the earth's sunrise-sunset "Terminator" band. This Arctic Circle Zone is very active during the Alaskan Summertime.

1:00 PM  
Riverview C

**Making the most of D-Star**  
**Dan Smith KK7DS, Software Engineer for**  
**IBM's Linux Technology Center**

Discussion of the design and implementation of D-RATS, a software tool to leverage the D-STAR slow-speed data channel. Hear and see an overview of the D-STAR system and summary of current functionality provided by D-RATS.

1:00 PM **The Why & How of Airmail in the Oregon ARES Digital Network**  
Seaside C **Bruce Bjerke K7BHB**

Oregon Section ARES/RACES Digital Network (OADN) introduced Airmail in 2005. This presentation reviews the features and benefits of Airmail. This non-technical discussion covers the topic module by module using actual examples from the most recent SET.

3:00 PM  
Riverview C

**How to hook the D-Star & DV Dongle to the Internet**  
**Steve Hatch WA7DAD**

An advanced presentation about how to hook the D-Star Server and DV-Dongle up to the Internet. What the NEW features are, what the "New Global Reflectors" for D-Star do, and how to use them.

## SATURDAY

3:00 PM  
Seaside C

### **Introduction to Antenna Modeling** **Ed Clulow N7TL**

Introducing ARRL's EZNEC antenna modeling software. Learn how to use this limited issue software to explore the features of the antennas described in ARRL's Antenna Book

3:00 PM  
Seaside A&B

### **High Performance Transceiver Design** **Eric Swartz WA6HHQ, COO of Elecraft Inc**

A presentation of the high performance features in a state of the art transceiver. If you are considering a new rig for your station, be sure and attend.

3:00 PM  
Riverview A&B

### **How to connect Ham Radio to the Internet** **from a remote location** **Miguel Mayorga KC7IGT**

Do you backpack or visit remote areas? Find out how one ham utilized his laptop & cell phone to get his home station on the air via the Internet

Wind up a great weekend with this final seminar on Sunday morning before the Grand Prize Drawings.

## SUNDAY

8:30 AM  
Seaside A,B&C

### **Display, Demonstration and Discussion of** **Portable Emergency Antennas** **Ralph Javins N7KGA**

A presentation of antenna types for portable use during an emergency, with commentary on the operating characteristics of each type. Helps you make a decision on what antenna type you may want to take depending on what you are trying to accomplish on each amateur radio band.

### **SEA-PAC '09 PIN**

**Congratulations to Bill Balzarini, KL7BB, winner of the 2009 SEA-PAC Pin Contest. Be sure to pick up your 2009 Pin (\$5.00) at the Registration Desk. Pins from some previous SEA-PAC Conventions are also available for purchase.**

# The DX Store



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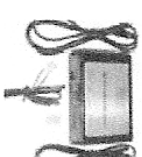
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## MEETINGS AT *SEA-PAC*

*SEA-PAC* provides the *SEA-MIST Room* for these meetings.

Meetings are scheduled by, and the responsibility of, the organizations listed.

### Saturday, June 6th

9 AM .....Official Observer (closed session) Everett Curry, W6ABM  
10:30 AM.....NTS meeting ..... Scott Gray, W7IZ  
2:30 PM.....Oregon ARES ..... Bill Morris, W7IH

### Sunday, June 7th

9 AM .....Oregon Section Cabinet ..... Bonnie Altus, AB7ZQ  
10:30 AM.....ARRL NW Division Cabinet.....Jim Fenstermaker, K9JF

## RAGS Test Bench

As a service to flea market buyers, the Radio Amateurs of the Gorge (RAGS) provides a test bench. Equipment includes a power supply, speaker, voltmeter, service monitor, frequency counter, oscilloscope and watt meters. Buyers and prospective buyers are encouraged to make use of this service to check out flea market treasures and those unbelievable bargains.

Neither RAGS nor *SEA-PAC* accepts responsibility for the condition or operability of any equipment, nor can they be held responsible for equipment damage as a result of use of test gear.

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# SEA-PAC COMMITTEES

## EXECUTIVE COMMITTEE

Al Berg W7SIC  
Will Sheffield N7THL  
Wayne Schuler AI9Q

## TREASURER

*Rick Banton, KD7THV*

## EXHIBITORS

*Al Berg W7SIC*

## EXHIBITORS

### HOSPITALITY

*Betty Mickley, N7REX*  
Frances Adams KB8PRL  
Scott Adams KB8PRS  
Charles Mickley Jr.  
Molly Mickley  
Joe Boyd N7VZS  
Ann Boyd  
Dinah Wells

## EXHIBIT SET-UP

*Cindy Kenyon KC7UJD*  
*Jerry Kenyon KB7LNR*  
Wes Allen, K7WWG  
Debbie Allen  
Ivan Loock, N7PRM  
Laura Loock  
Kathy McClanahan, N7YBN  
Richard McClanahan, KC7GBU  
Geoff Apgar, W7JEZ  
Steve Brice, NA7T  
John Poland  
Bill Morris, W7IH  
Steve Tarr, KD7MRX

## MEAL ARRANGEMENTS

*Al Berg W7SIC*

## FLEA MARKET

*Lynn Hurd WB7UNU*  
Tom Hill WA3RMX  
Jack Smithson KA7HOJ

## PRIZE COMMITTEE

*Mel Sutton KB7PVS*  
Darwin Durr K7PSD  
Al Berg W7SIC  
Everett Curry W6ABM  
Jim Schaeffer KB7ADH  
Gavin Silaski, KC7UIL  
Jennifer Roberson K7JLR  
Patrick Roberson W7PAT  
Linda Sutton KC7YTD

## REGISTRATION

*Will Sheffield N7THL*  
*Rick Banton, KD7THV*  
Mary Berg N7TRW  
Jerry Sheffield, KC7EKT  
Kathy Swanson

## V.E. TESTING

*Carl Clawson WS7L*  
Gordon Girtan W6NW  
Claire Johnson N7CM  
Ernie Johnson K7EAJ  
Russ Mickiewicz N7QR  
Jerry Miller NB7PX  
Jim Mockley W7JMM  
Ron Schlitzkus W7HO  
Phil Westover WA7URV

## SEMINARS

Hoodview A.R.C.  
*Ed Clulow N7TL*  
*Jan Maggs, KA7HNP*  
Ken Clulow, KA7VQH  
Denny Doolittle, WB7UFJ  
Bill Maggs, WB7DLM  
Joe Michaud, N7HA  
Pat Michaud, W7RED  
Greg Phillips, K7GAP

## SECURITY

Clark County A.R.C.  
*Bruce Bullis, KG6CIJ*  
*Eric Keerbs, AD7HM*

## TALK-IN STATION

Sunset Empire A.R.C.  
Bernie Gildner KD7UDX  
Don Hillgaertner WA7TEM  
Dave Klinger W7DEK  
Alene Linehan KA7CXP

## WEB SITE

*Rox Heath AD7RX*  
*Bob Heath KD7OHF*

## MAILER & PROGRAM

*Luther Brisky, KC7KVL*

*Express your appreciation to these volunteers. They make SEA-PAC '09 possible.*  
*Committee Chairs are listed above in italics*



***“The Northwest’s Largest Ham Convention”***



**SEAPAC '10**

**June 4th, 5th and 6th, 2010  
NORTHWESTERN DIVISION ARRL CONVENTION  
Seaside Convention Center, Seaside Oregon**

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## **ARRL GUESTS**

**The Northwestern Division Convention welcomes David Sumner, K1ZZ**, Chief Executive Officer, Executive Vice President, and Secretary of the American Radio Relay League. He is responsible to the ARRL Board of Directors for managing the affairs of the League including its headquarters staff and official journal, QST. Dave is trustee of the ARRL Headquarters club station, W1AW, and the IARU club station, NU1AW.

**ARRL Northwest Director Jim Fenstermaker, K9JF**, is a past president of the Clark County Amateur Radio Club and the Willamette Valley DX Club and founder of the Greater Milwaukee (WI) DX Club. Jim also serves as Chair of the ARRL Administration and Finance Committee, Scouting Committee, Legislative Action Committee and was elected as a member of the ARRL Foundation. Jim is an active ham and holds the 9-Band DXCC award and DXCC honor roll having worked 364 countries. He is also completing the USA-Counties award with over 2,800 of the 3,077 counties confirmed.

**ARRL Northwest Vice Director Bill Sawders, K7ZM**, was the ARRL Oregon Section Manager from 1998 to 2002. First licensed in 1957, he is Past President of the San Diego DX Club (1968), Central Oregon Radio Amateurs (1992), Central Oregon DX Club (1989-1998), and is currently President of the Central Oregon Contest Club (K7ZZZ). Bill is the Trustee of the 145.450 Mount Bachelor repeater and is the owner of the 146.960 (*EchoLink*) repeater in La Pine, Oregon.