



Northwestern Division Convention

“Surf, Sand and Radios”



Seaside Convention Center Seaside, Oregon



www.seapac.org

June 3, 4 and 5, 2022

Sponsored by the Oregon Tualatin Valley Amateur Radio Club
Co-sponsored by the Clark County Amateur Radio Club

Welcome to SEA-PAC '22!

“Sand, Surf and Radios...”, *doesn't that sound great!*

Welcome to SEA-PAC's 40th year (and 39TH convention). After two years of the COVID pandemic, with its lockdowns, vaccines and masks, it's so good to be back in Seaside for SEA-PAC 2022. We were forced to cancel 2020's SEA-PAC and held a successful virtual SEA-PAC last year, but there's nothing like getting together in person in Seaside.

Restarting SEA-PAC has been challenging and you're sure to notice some changes. It's taken over two dozen dedicated volunteers, working since last September, to make this year's SEA-PAC a reality. The biggest change is the beautifully remodeled Seaside Convention Center. In 2019 we were working around the construction but it's now complete and a great venue for SEA-PAC.

We've also revamped our Registration and Raffle processes, first for efficiency and second to comply with Oregon law.

But much of SEA-PAC is unchanged, just like you remember it. We hope you enjoy the Workshops, Seminars, Flea Market and Exhibitor Halls. The Gala SEA-PAC Banquet, DX and YL Luncheons, Radios on the Beach are all back. New for 2022 is a Friday night VIP Reception where you can meet and greet old friends, the SEA-PAC Committee and rub shoulders with ARRL dignitaries in a casual party atmosphere.

Most of all, we hope you will enjoy the fellowship of getting together with other radio amateurs to rekindle friendships, make new friends and swap stories of your adventures in Ham Radio.

Thank You for joining us here in beautiful Seaside for SEA-PAC 2022 and we hope to see you all back here next year at SEA-PAC 2023.



**Greg Shuster, KI7DTS
2022 SEA-PAC Committee Chair**

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*Please express your appreciation to the many dedicated volunteers, vendors,
and flea-marketers that made SEA-PAC possible.
The SEA-PAC committees are listed on page 42.*

SEA-PAC WELCOMES OUR ARRL GUESTS



Rick Roderick, K5UR, ARRL President lives north of Little Rock, Arkansas on a 50 acre hilltop QTH. He has worked 371 countries, including 326 countries on 160 meters, 353 countries on 80 meters, 354 countries on 40 meters, and 156 countries on 6 meters. He holds DXCC on 10 bands and is ranked 5th in the world on the DXCC Challenge Award. He holds over 20 different Worked All Zones Awards, and was one of the first to achieve Worked All Zones on 160 meters. He's also active on VHF/UHF and holds numerous operating achievement awards on those bands.

He's been a ham for over 50 years, is a Life Member of the ARRL and has held numerous ARRL volunteer positions continuously for all of those 50 plus years. He served on the ARRL DX Advisory Committee and was chairman for many years. He was instrumental in the creation and implementation of Logbook of the World and the DXCC Challenge Award. He has been on the ARRL Board of Directors for 27 years and formerly served as ARRL First Vice President. He loves ham radio!!!!

2022 is ...

the ARRL's 108rd year,

SEA-PAC's 40th year,

and the YLRL's 83nd year

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

SEA-PAC WELCOMES OUR ARRL GUESTS



David Minster, NA2AA, is the ARRL's Chief Executive Officer.

Minster got his Novice license, WB2MAE, in 1977, when he was in his teens. He progressed from Advanced to Amateur Extra and, after a stint as NW2D, he settled on the vanity call sign NA2AA in the 1990s as a way to honor a mentor, N2AA, and the contest station that he used to frequent, K2GL, in Tuxedo Park, New York.

Minster's ham radio pursuits have ranged far and wide over the years. His background includes National Traffic System training and participation in public service events, as well as contesting from home, club stations, and contest stations in the Caribbean — particularly on Bonaire, where he is a member of PJ4G. Primarily a CW operator, Minster collects unique and vintage bugs and keys.

In addition to being an ARRL member, Minster is a member of AMSAT, the Frankford Radio Club, the StraightKey Century Club, CWops and the North American QRP CW Club.

Minster earned a bachelor's degree in computer engineering from The Ohio State University and has a special interest in satellites, digital communications, remote operation, and ham radio computing and software. He has written keyer software for the commercial market, and contest logging, packet, and satellite telemetry software for personal use.

Personal or business information collected as part of this event is not shared or distributed in any way outside of SEA-PAC.

SEA-PAC WELCOMES OUR ARRL GUESTS



Bob Inderbitzen, NQ1R is the Director of Public Relations and Innovation at the ARRL. He and his staff are responsible for ARRL membership and publication marketing. Bob collaborates with other staff, contributing to benefits, services and products enjoyed by all ARRL members. In 2014, he served as the convention manager for the national ARRL Centennial Convention held in Hartford, Connecticut. Bob regularly attends ARRL's national conventions and Dayton Hamvention as part of the team that organizes and operates ARRL exhibits. He also coordinates ARRL's representation at Europe's largest, annual-held Amateur Radio exhibition in Friedrichshafen, Germany.

He enjoys speaking with members and volunteers about ARRL membership recruitment, benefits and services. Bob obtained his first ham radio license, KA2PZD (Novice-class) in 1981. He attributes his early interest in Amateur Radio to a fascination with electronics and a patient middle school vice principal who decided to conduct an Amateur Radio class. Bob says, "I was the only student who enjoyed being sent to the vice principal's office. That's where the radio was!" Bob earned the call sign NQ1R when he upgraded to Amateur Extra class in 1989.

V.E. EXAM SESSION

***Amateur License Exams at Our Savior's Lutheran Church
East Parish Hall***

North and West—across the street from the Convention Center

One Session—Saturday at 9 AM

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

Text or call John Bucsek at 503.803.6134

SEA-PAC WELCOMES OUR ARRL GUESTS



Kathleen Callahan, KC1MBY, ARRL Director of Membership, Marketing, and Communication. She joined ARRL in August of 2019 .

She leads a team responsible for acquiring, retaining, and promoting the value of ARRL membership, overseeing the organization's creative services, marketing, communications, publication sales, and advertising.

Kathleen has spent her career working in and serving the non-profit sector, with over 20 years of experience in membership, program development, and marketing. She is committed to enhancing the member experience and preserving ARRL's core values, purpose, and brand.



Josh Johnston, KE5MHV, Director of Emergency Management. Johnston is from Ozone, Arkansas, and comes to ARRL with 16 years of experience as the Director of Johnson County (Arkansas) Department of Emergency Management. He holds an Extra class Amateur Radio license as well as being an ARES® Emergency Coordinator, Volunteer Examiner, and ARRL-registered Instructor. Johnston is also certified in FEMA NIMS as well as CISA AUXCOMM Communications Unit Leader (COML). He holds a Bachelor of Science in Emergency

Administration and Management from Arkansas Tech University.

SEA-PAC WELCOMES OUR NWD GUESTS



Mike Ritz, W7VO, ARRL Northwestern Division Director is a 40-year plus Life Member of the ARRL and very active ham. Mike was first licensed in 1974 as WA6HKP and earned his Amateur Extra in 1983. His main radio interests are contesting and DX, mentoring new hams, and public service through the ARRL ARES program. He is a three term past President of the Willamette Valley DX Club and is Trustee for the Columbia River DX Club, which he founded to mentor new hams in HF operating. He has served as an ARRL Deputy Emergency Coordinator and Emergency Coordinator, an ARRL Accredited Volunteer Examiner, ARRL

Registered License Instructor, author, and seminar presenter on a variety of ham radio topics. In 2018, he was elected ARRL Director for the Northwestern Division.

Professionally, Mike holds degrees from Foothill College and San Jose State University, and had a successful career in the high tech telecommunications industry as an engineer, manager and director, prior to retiring in 2014 to focus on building his dream amateur station. When not on the radio he is busy working his small hobby farm in Scappoose, Oregon with his wife Shelley, W7VOX.



Mark Tharp, KC7HDX, ARRL Northwestern Division Vice-Director has been licensed since 1989 and holds an Amateur Extra Class license. He is a Life Member of the ARRL and has held numerous ARRL volunteer positions. Mark has held Section level positions of EC, DEC, OOC, ASM and AD.

Mark's other amateur radio activities include, contesting, repeater building, ham-fests' VE testing, and being an Elmer. He feels it is important for amateur operators to be involved by promoting and participating in not only League activities but amateur

radio as a whole.

"73 and Welcome to SEA-PAC."

2022 – SEA-PAC QSO PARTY

THANK YOU FOR YOUR PARTICIPATION ON 28 MAY 2022 !

Plan to participate in 2023

S E A P A C

Contest Objective:

To encourage Radio Amateurs in the Pacific Northwest and beyond to work as many stations as possible in celebration of our returning annual SEA-PAC Ham Convention, past and future. The format and scoring is intended to reward and encourage the new and casual operator who may not be an active tester. Categories reflect requested modes from 2021. To be held one week prior to the 2022 "In-Person" SEA-PAC Ham Convention". Join our 3rd annual SEA-PAC QSO Party for a *"Ham-tastic"* time on the air-waves! Hope to see you in person at this year's in-person Convention.

Categories:

Category - "A" SSB < 150 watts (2-points each)

Category - "B" >150 watts (1-point each)

Category - "C" QRP: < 10 Watts on SSB, CW or Digital (3-points per QSO)

Category - "D" CW: Low or High Power, (2-points per QSO)

Category - "E" Digital: Any digital mode (2-points per QSO)

Sponsoring Club Stations: W7OTV and W7AIA (25 bonus points each)

(Contest Bands :80M, 40M, 20M, 15M, 10M, 6M, 2M and 440 MHz)

Contest Exchange:

The contest exchange includes: signal report, your state and the operators name.

Reporting and Results:

We hope that all participants will keep a log and submit a contest summary form for special recognition and bragging rights. Log submission is not required. A summary sheet of the results will be available on request. Please let us know how you did!

For information and the results form:

Review this contest outline and download the "fillable" PDF of the results summary page on the SEA-PAC website: www.seapac.org Submit your results per directions on the summary form.

Questions? Ask: seapac.qp@gmail.com Attn: Ron O'Connor - KD7VIK

SCHEDULE OF EVENTS

Saturday, May 28

SEA-PAC QSO Party	May 28, 2022, 6:00 AM to 11:59 PM PDT Saturday 1300 UTC to Sunday 0659 UTC
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Friday, June 3

Workshop Registration Open	8:00 AM - 9:00 AM
Workshops (# 1,2,3 & 4 Convention Center)	9:00 AM - 5:00 PM
General Registration Open	9:00 AM - 6:00 PM
Exhibitor/Flea Market Set-Up	11:00 AM - 8:00 PM
Raffle ticket sales (<i>Raffle ticket table</i>)	Noon - 6:00 PM
Local Area Hams Spaghetti Feed	5:00 PM - 8:00 PM
General Registration Closes	6:00 PM
Flea Market Registration packet available from Coordinator	6:00 PM - 8:00 PM
SEA-PAC Reception (<i>Riverside A, B, C</i>)	6:30 PM - 8:00 PM
Special Event: Radios at the beach (<i>Across from the Shilo Inn</i>) ...	7:00 PM
Exhibitor/Flea Market Set-Up Closes	8:00 PM

Saturday, June 4

Exhibitor/Flea Market Setup (cont)	7:30 AM - 9:00 AM
Registration Open	8:00 AM - 4:00 PM
Exhibitor & Flea Market Open	9:00 AM - 4:00 PM
VE Exams (Pre-registered)	9:00 AM
Snack Bar	9:00 AM - 4:30 PM
Raffle ticket sales (<i>Raffle ticket table</i>)	9:00 AM - 4:00 PM
ARRL Forum	9:30 AM - 10:45 AM
Hourly Prize Raffles	10:00 AM, 11:00, 12:00 1:00, 3:00 PM
Seminars (<i>Convention Center</i>)	11:00 AM - 5:00 PM
YL Luncheon (<i>Shilo Inn</i>)	11:30 AM - 12:45 PM
DX Luncheon (<i>Shilo Inn</i>)	11:30 AM - 12:45 PM
Early Bird Raffle ticket sales end	2:00 PM
Early Bird Raffle Drawing (<i>Convention Center</i>)	2:30 PM
Major Prize Raffle Drawing (<i>Convention Center</i>)	2:45 PM
Exhibitors & Flea Market Close	4:00 PM
Registration Closes	4:00 PM
Convention Closes	4:00 PM
Pre-Banquet "Happy Hour" (<i>Convention Center</i>)	6:30 PM - 7:00 PM
SEA-PAC Banquet (<i>Convention Center</i>)	7:00 PM

SCHEDULE OF EVENTS

Sunday, June 5

Registration Open	8:30 AM - 12:00 Noon
Exhibits & Flea Market Open	9:00 AM - 12:00 Noon
Raffle ticket sales	9:00 AM - 12:00 Noon
Hourly Prize Raffle Drawings	9:00 AM, 10:00, 11:00
Hourly Prize Raffle ticket sales end	10:00 AM
Seminars (<i>Convention Center</i>)	10:00 AM -12:00 Noon
Snack Bar Open	9:30 AM - 1:00 PM
Major Prize Raffle Drawing (<i>Convention Center</i>)	1:00 PM
Convention Closes	2:00 PM

Dan Marler K7REX Idaho Section Manager



Dan Marler, K7REX, was first licensed in as KN7REX in 1961 and has been an ARRL member for well over 50 years. He holds an Amateur Extra Class license and

He served eight years with the US Navy as a Radioman, followed by several years in Information Technology (IT) working for both fortune 500 companies, and in the government sector. He retired as an IT Administrator for FLSmith, a global engineering company.

Dan also holds an FCC Commercial Radiotelephone license, and an FAA Commercial Pilots license.

He can be heard on the HF, VHF and the UHF bands. Amateur

Radio has taken him on an enjoyable journey through a wide range of digital (including CW) and voice operating modes and he is currently active in promoting digital text and voice communications. He has served as an ARRL EC, DEC, and SEC in years past, and in April he became Idaho's SM.

SEMINAR SCHEDULE

See Pages 14 & 15 for Seminar Synopsis
(use row number THEN column letter (e.g. "3A"))

Day	Period	Row	Riverside A	Riverside B
			A	B
Sat	0930-1045	1	American Radio Relay League (ARRL) Forum (W7VO/KB7HDX/NA2AA/K5UR/KESMHV/NQ1R)	
Sat	1100-1150	2	Operating with HOA Constraints (KE7ZAC)	Shack Fire and Rebirth: Design Concepts for a Modern Shack (W7UUU)
Sat	1200-1250	3	Lewis and Clark 2022 Operating Event (KD7RUS)	Time in the Hamshack with Geochron (KJ7ZSU)
Sat	1300-1350	4	Tillamook Rock K7TRI Dxpedition (N3QQ)	Technology in EmComm (KESMHV)
Sat	1520-1610	5	HF Air Mobile from a Cessna 170 (K9LA)	The Whys and Hows of FCC RF Exposure Regulations (W7VO)
Sat	1620-1710	6	Propagation: How it Really Works (AF7KB)	Limited Antennas (N6BT)
Sun	1000-1050	7	Practical Applications of Portable Solar Power (KB7RHI)	
Sun	1100-1150	8	Practical Applications of Portable Solar Power B (KB7RHI)	

SEMINAR SCHEDULE

Riverside C	Seaside A	Seaside B	Seaside C
C	D	E	F
ARRL Forum (cont)			
Learning Morse in the Mountains (N7KOM)	Oregon ARES (KA7OZO)	RFinder (W2CYK/N4KYS/K7GPS)	Propagation at Fault Lines (VE7DXW)
Elecraft K4 Update (N5AC)	Understanding Digital Voice Systems: DMR, DSTAR, Fusion and more ... (K7UDR)	ORRC & WWARA: Migrating Repeaters to Narrow-band (N7SS/N7HQR)	Amateur Radio Digital Communications (ARDC) (K7VE)
EMF, 5G and Your Health: Be Wise, Mimimize! (WA7BRI)	7th Area QSL Bureau (K7ABL)	WWII Paraset, the Portable QRP Rig that Connected WWII Resistance Groups in Europe to London (W7DGP)	Open Source Digital Voice on HF (K6AQ)
Networking Basics for Amateur Radio (K7AR)	Using a Chevy Volt for Emergency Power (KW5V)	Programing Your Analog Radios (N7LB)	Using a Spectrum Analyzer (AK6OK)
Portable Operation with IC-705 and iPad (WA6NFA)	YL Forum: Go Kits for a Public Service Event and Emergencies (AC7UH/AA6MR)	Automatic Position Reporting System (APRS) (K7GPS)	Stabilize the frequency of your older radio (VE7UTS)
Ultra-Light HF Yagis for Field Day Using Fiberglass Fishing Poles and Wire (K7JA)	Amateur Radio & FEMA's Role During Disasters (N0NHJ)	Getting Started in HF (AF7KB)	
WWII Paraset, the portable QRP rig that connected WWII resistance groups in Europe to London (W7DGP)	Understanding The Magnetic Loop Antenna (MLA) (W1RMS/KK7BKJ)	RFinder (W2CYK/N4KYS/K7GPS)	

SEMINAR SUMMARIES

Grid Description

- 1B The ARRL CEO, President, and Northwestern Division leaders will present short statements and answer your questions on League and amateur radio topics.
- 2A Live in an HOA and feel you cannot have an HF station? Learn how other hams solve this dilemma and have fun while doing so.
- 2B Fire destroyed Dave's shack, so he had the chance to design a state-of-the-art shack without the previous fire hazards. See how it turned out, and what he learned.
- 2C Portable operations in the mountains for SOTA. More on his journey learning Morse and getting on the air via CW.
- 2D Meeting of Oregon ARES leaders and others interested to discuss issues of mutual interest.
- 2E RFinder offers some interesting possibilities in the DMR world. Learn about DMR and how to get started.
- 2F Rub two rocks together and what do you get? RF if they are the right type. Learn from some of Alex's findings.
- 3A Lewis and Clark trekked to the beach at Seaside in 1805. Learn about an exciting on-air activity to work the 16 states included in the Lewis and Clark Trail.
- 3B Anyone got the time? Geochron is probably the most impressive clock that fits into your shack and shows more than "just the time".
- 3C Current information on the Elecraft K4.
- 3D Digital voice comes in many flavors,. Get some help sorting out DMR, DSTAR, Fusion and more....
- 3E Ever wondered why Oregon and Western Washington have really wide repeater separation? Join a discussion about narrowing the separation to open up new repeater frequencies. Come with good ideas.
- 3F Amateur Radio Digital Communications (ARDC) supports, promotes, and enhances digital communication and broader communication science and technology. Learn more about their mission.
- 4A Tillamook Rock, a few miles south of Seaside, so close and yet so hard to visit. Learn about Yuri's Expedition to the rock and the challenges to make it happen.
- 4B Technology invaded the ham shack decades ago, but that technology keeps changing. Learn some of the exciting possibilities you can add to your shack.
- 4C Do you face danger from Electromagnetic Fields and 5G (5th Generation) Microwave Cellular Communication being introduced in the United States? Learn fact, fiction, and laugh during this presentation.
- 4D Overview of the ARRL QSL Bureaus with primary focus on 7th Area Bureau managed by WVDXC. Learn how to use the Bureau for QSLs.
- 4E Come see and learn about the WW2 Parasat used by clandestine operators (to be discovered was to die) and helped win the war.
- 4F Ever wondered how you can use digital voice on HF? In this talk, I'll introduce FreeDV, an open-source, non patent-encumbered digital voice mode designed for use on HF.

SEMINAR SUMMARIES

Grid Description

- 5A K9LA will discuss 2-meter operations from his Aeronca Chief, then HF operations from his Cessna 170B. HF operations included two ARRL 10-Meter
- 5B Seminar to educate amateurs why they need to perform FCC RF Exposure calculations on their stations, how to easily perform the required calculations, and tips to mitigate RF exposure.
- 5C Networkwrks. We all use them but how do they really work? And how can we use some basic network knowledge in our ham shack? Learn how to apply that knowledge.
- 5D Power out? Learn how a Chevy Volt can power your house for a while....
- 5E Got a new radio but have no idea o=how to program it to you favorite frequencies? Learn how for various kinds of analog radios.
- 5F You may have heard about spectrum analyzers but have no idea how they work or what they can do for you. This is your chance to learn about this
- 6A This lively, fast-paced presentation is a plain-language guide to understanding ionospheric propagation.
- 6B Covers a variety of subjects, such as time, space and resources with a focus on efficient antennas.
- 6C Operate portable and see how a Raspberry Pi can lighten your load while offering multiple operating possibilities.
- 6D How to put together a station to take with you for a public service event or an emergency with a display of station equipment, and a brief discussion of 72-hour kits and off the grid radio stations.
- 6E Join us for an update with what to do with your APRS station and equipment. Let's keep the momentum going as we mourn the loss of APRS Founder Robert Bruninga WB4APR.
- 6F Most 20 to 40 year-old radios are user-serviceable but many are too drifty for some applications. Instead of replacing them with newer radios full of custom ICs, upgrade them!
- 7B Putting solar panels, charge controllers, batteries, inline meters, distribution blocks, and more all together. Wills how system examples including "pass thru" solar". Drawing at seminar end.
- 7C Yagis are great antennas, but aluminum tubing can be heavy. Explore ways to create a light-weight yagi for portable operations with fiberglass fishing poles.
- 7D Understanding the Federal Emergency Management Agency's role in disaster response, and why Amateur Radio is important to FEMA in building a resilient nation.
- 7E On Hf, do I just spin the dial, or is there more? Come learn some techniques that will help your enjoyment and success.
- 8B Mark will show various station configurations using batteries, solar, radios and other gear for that time when the grid is down and ham radio is ready. Drawing for prizes at end.
- 8C When resistance groups had information to pass they likely used a Parasat radio. Larry has one to show and will demonstrate how it works.
- 8D Overview of Magnetic Loop Antennas, advantages and disadvantages, and frequently asked questions.
- 8E RFinder offers some interesting possibilities in the DMR world. Learn about DMR and how to get started.

SEA-PAC Pocket Lanyard

The SEA-PAC Lanyard can be purchased for only \$5 at the registration desk in the lobby.

Previous year purchasers that bring their lanyards can pick up a free replacement 2022 pocket booklet in the lobby.

This timeless lanyard has a clear pocket in the front for your name badge, a zippered pocket on the top to hold lunch, banquet, or raffle tickets and other small items, and a clear pocket on the back to hold the free pocket book of SEA-PAC activities for reference while attending the convention.



Future SEA-PAC Dates

June 2-4, 2023

May 31 – June 2, 2024

June 6-8, 2025

June 5-7, 2026

June 4-6, 2027

June 2-4, 2028

June 1-3 2029

May 31– June 2, 2030

Please express your appreciation to the many dedicated volunteers, commercial exhibitors and flea-marketers that make SEA-PAC possible.

The SEA-PAC committees are listed on page 49

Monte L. Simpson, W7FF Western Washington Section Manager



Monte Simpson, AF7FF, was first licensed as a Technician in 1992 as KB7RID. He then upgraded in 2007 to General and to Extra in April 2015. For over 20 years he has been an active operator, promoting Amateur Radio and the ARRL at every opportunity. Monte served as an AEC, EC, DEC, ASEC, OO and ASM in Western Washington.

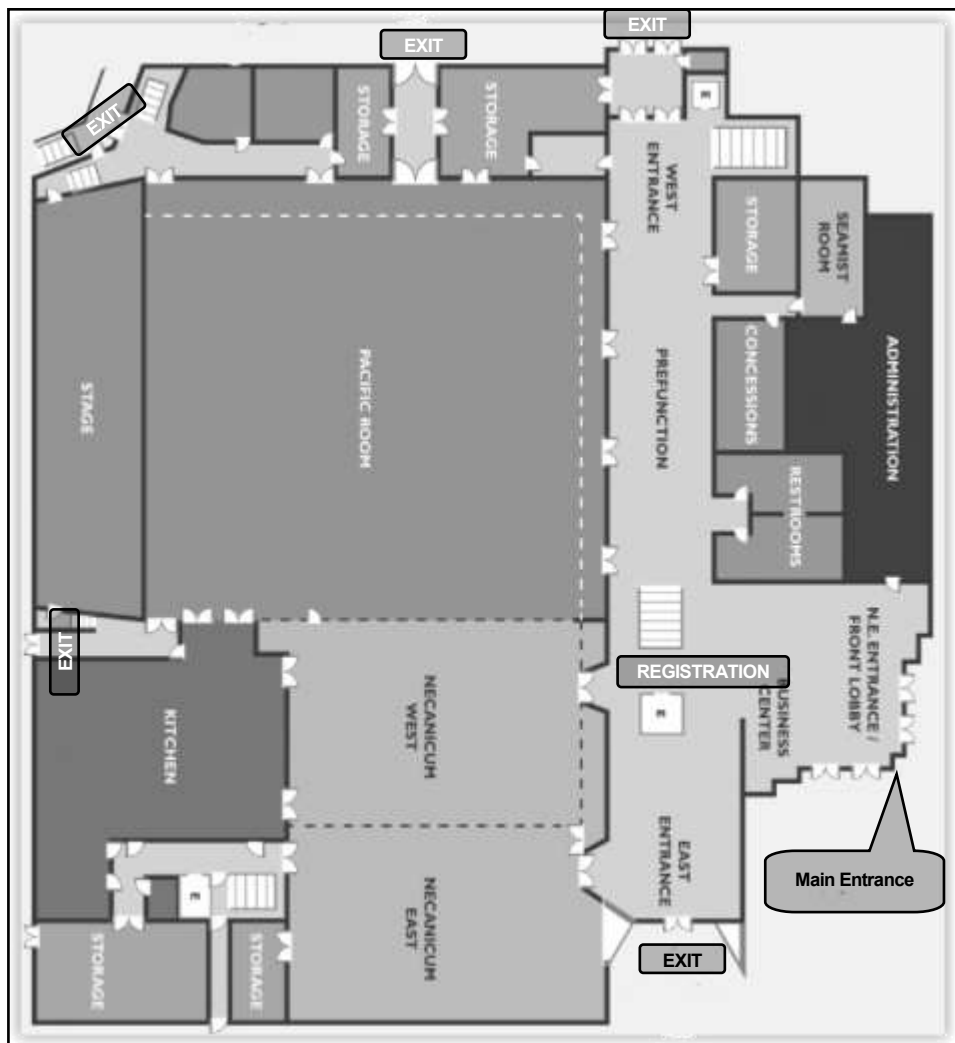
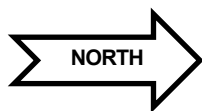
He is a member of the VHF/UHF Century Club (VUCC). As Section Manager, he works hard to strengthen Amateur Radio in Western Washington. The ARES program is head and shoulders above other programs in the country. Our OO program is the most active in the nation, logging several hundred hours of monitoring each month. The Technical Specialist program has transformed into a Technical Assistance program, for the benefit of all Hams - new or old. He believes the health of the ARRL and continued growth are based on the key components of our Affiliated Clubs and the VE program. We need to attract young energetic hams into our ranks. ARRL is truly an organization of diversity in many aspects.

Monte, and his wife June of 49 years, have 2 children: Tiffany, who lives in Bremerton and Lamont who lives in Dallas, TX. He is retired from the State of Washington where he served as a public safety communications manager. For the past seven years, he has served in the Washington State Guard.



CONVENTION CENTER

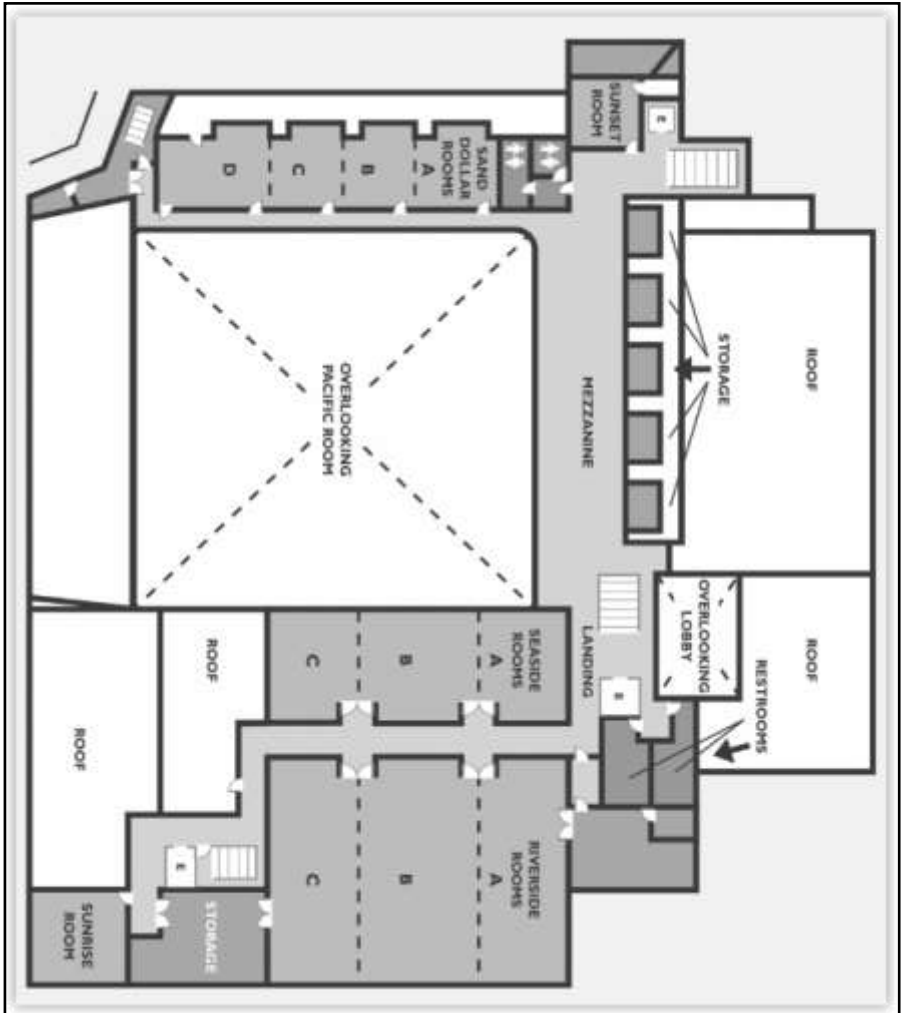
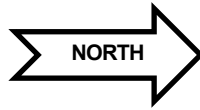
Main Floor



Note: “EXIT” is to exit the building only. NO ENTRY
Use the Main Entrance.

CONVENTION CENTER

Upstairs Floor



**Note: "EXIT" is to exit the building only. NO ENTRY
Use the Main Entrance.**

SEA-PAC DX & YL Luncheons

YL Luncheon Speaker

Barbara Yasson, AC7UH

“Just Say Yes: The fun and benefits of all those ham radio volunteer experiences”



Barbara was licensed in 1995 as KC7KQI and became an Extra in 2002 with a new call sign, AC7UH. She is a member of YLRL, ARRL, MARAC, and the Clark County Amateur Radio Club. She is past president of the Young Ladies Radio League past president and secretary of Clark County Amateur Radio Club and MINOW net. Barbara started participating in public service events soon after she was licensed and

it immediately became a passion. With a few years' experience she started coordination the communications teams for local events. She also enjoys Field Day, working special events, and driving around the country with her husband Phil AB7RW to give out counties.

DX Luncheon Speaker

Al Rovner, K7AR

FO/K7AR DXpedition - Austral Islands



Al has been licensed for 51 years and is an active DXer and Contester. Al has a BS degree in Electrical Engineering from Drexel University and an MS degree in Computer Science from Oregon Health Sciences University.

SEA-PAC BANQUET

SEA-PAC **Keynote Speaker**

David Minster, NA2AA



Banquet Drawing

#	Name	Description
500	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
501	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
502	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
503	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
504	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
505	1-Bottle Wine	Nehalem Bay Winery 1-Bottle Wine
506	Gift Certificate	Camp 18 Seaside, OR Value \$50.00
507	Yaesu Radio Handheld	Yaesu Dual Band FT-70DR Analog C4FM
508	Gift Certificate	1-Night Lodging Inn At Seaside

All wine is for only age 21 and older

Banquet Music



Jim Fischer KD7KTV is a lifelong musician. Whether teaching or performing, he lives the music. He has performed in Portland area venues and aboard cruise ships. Jim and Marsha live in Vancouver.

Jo Whitney, KA7LJQ Eastern Washington Section Manager

Jo Whitney KA7LJQ was licensed as a novice in 1981 after testing at the FCC office in Seattle. Volunteer Examiners signed her advanced class CSCE in 1990. Jo is a life member of the ARRL as well as a member of the Diamond club and Maxim Society. She has been an active Volunteer Examiner since 1993 with the ARRL.



Interest in public service communications led Jo to join Yakima Search & Rescue's communications team in 1987 and accept appointment as ARES EC in 1991. Working with her local Office of Emergency Management has stressed the need for understanding and use of the incident management system to structure volunteer response and effectiveness. Interests beyond Em-Comm vary including working on the DXCC list and sitting "in the chair."

It is important for amateur radio operators to be involved, to participate and promote amateur radio for the benefit of all.

Jo moved to Yakima in 1981 before the Mount St Helens eruption. She continues to work as a Registered Nurse promoting the health and safety of the elderly in community living settings.

C.A.R.S. Country Store

As a service to flea market buyers the C.A.R.S. (Cascade Amateur Radio Society) club provides a testing center for equipment. A power supply, voltmeter, service monitor, oscilloscope and frequency counter are a part of their testing equipment. Check out what you are considering buying. Neither C.A.R.S. nor SEA-PAC can accept responsibility for the condition of any equipment nor can be held responsible for any damage as a result of use of test gear. As an additional service to the amateur radio community, C.A.R.S. also provides a Country Store where rigs and other equipment will be displayed for sale. Have a piece of gear to sell? As an additional service, we will consign it for you at a reasonable charge. Remember, your boat anchor is someone else's dream machine!

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on Facebook!**
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**Follow SEA-PAC
on Instagram!**
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***Please express your appreciation to the many dedicated volunteers,
commercial exhibitors and flea-marketers that make SEA-PAC possible.
The SEA-PAC committees are listed on page 49.***

Thank You for Your Generous Donations to SEA-PAC

The SEA-PAC committee thanks everyone that has supported SEA-PAC with your generous donations. SEA-PAC has expenses, even without an in-person convention.

If you wish to donate to SEA-PAC, mail your donation, in any amount, to SEA-PAC, PO Box 7263, Aloha, OR 97007-0963.

SEA-PAC is a 501(c)(3) non-profit and donations may be tax deductible.

The following hams have donated to SEA-PAC. Thank You.

Arnold Klein WB6OEE

Jeff Fields

Bob Churchill AB7BC

John Bucsek KE7WNB

Bob Hill WA6AYJ

Melissa Nelson WA76MEL

Brian Hopper KJ7BHK

Michael Nelson N7IQM

Charles Morris

Mike Coffeen KG7WNF

Daryl Hinz KW2B

Pat Roberson W7PAT

Dennis Anderson WA7IEL

Randy Hayden W7TUT

Dutch Nydam N7YB

Richard Gilbert KG7JBV

Ernest Jones KF7EFT

Randall Walker K7NOJ

Bernd Peters KB7AK

Roger Deane KD6CNY

Everett Curry W6ABM

Ron Kinder K7VMN

Fred Walter K1OQ

Russ Mickiewicz N7QR

Gary Gerhardt K7BSO

Terry Williams AF7EO

Herbert Hirst K7HLH

Thomas Rosseau K7PJT

Wayne Schuler AI9Q

EXHIBITORS

7th Area QSL Bureau
Amateur Radio Digital Comm
ABR Industries
Amateur Radio Relay Group
American Radio Relay League
BF Technic Arts/QSL Concepts
Buddipole
Cable Experts
Cat Tails Design
Compudigital Industries
Elecraft
Fast Track Ham Radio Books
Flex Radio Systems
Geochron
Gold Medal Ideas, Inc.
Ham Radio Outlet
Hip Ham Shirts
Hi-Tech Liquidators
ICOM America
ICS Controllers
Impulse Electronics

J-Poles.com
Lido Radio Products
NCG (Comet/Daiwa)
Northwest Outreach
NSI Communications
Off Grid Gear 2Go
Oregon ACES
Pacific Amateur Radio Guild
Powerwerx
PreciseRF
PreppComm
QCWA
QRP Works
RT Systems
SteppIR
Sunset Empire ARC/W7BU
Washington State Guard
Western Case
Wired Communications
Yaesu USA
Young Ladies Radio League



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

PRIZE DONORS

Exhibitors Donating Prizes

ABR Industries
ARRL
BF Technic (QSL Concept)
Buddipole
Cable Experts
Cat Tail Designs
Compudigital Industries
Elecraft
Fast Track Ham Radio Books
FlexRadio
Geochron
Gold Medal Ideas
Ham Radio Outlet
Hi Tech Liquidators / NW Radio
Hip Ham Shirts
ICOM
ICS Controllers
Impulse Electronics
Jpoles
Lido Radio Products
NCG (Comet/Daiwa)
Northwest Outreach
Off Grid 2 Go
Powerwerx
PreciseRF
QRP Works
RT Systems
SteppIR
Western Case
Wired Communications
Yaesu

Merchants Donating Prizes

Seaside, OR

Ebb-Tide Oceanfront Inn
HI-Tide Oceanfront Inn
Inn At Seaside
River Inn At Seaside
The Saltline Hotel
North Coast Leather
Portland Fudge
Pig 'N Pancake
Seaside Chamber Of Commerce
Camp 18

Grants Pass, OR

Tigertronics

Nehalem, OR

Nehalem Bay Winery

Vancouver, WA

Pulse Larsen Antenna

Arrington, SD

BTECH Marketing

Vancouver, BC

BF Technic Arts Ltd.

Fredericksburg, VA

EasyWayHamBooks



SEA-PAC Raffle Rules

HOW TO PARTICIPATE IN THE RAFFLES

- To be eligible to purchase a raffle ticket, the purchaser must hold a valid adult registration for the SEA-PAC Ham Convention and be 18 years of age or older.
- Raffle Tickets will be sold only at the Raffle Ticket table inside the Seaside Convention Center in Seaside, Oregon.
- Legibly print your name, call sign, if any, and your contact information on the drawing portion of the ticket.
- Keep the ticket stub.
- Place the raffle drawing ticket in the correct raffle bin. They are color-coded to assist you.
- To facilitate the prompt delivery of the Hourly Raffle prizes, watch for the Winners posting near the main entrance doors, main lobby, upstairs, and the main stage. Winners will be posted shortly after the Hourly Raffle drawings.

HOW TO PURCHASE RAFFLE TICKETS

- Major Early Bird and Hourly prize raffle tickets will only be sold during the following dates and times:
 - Friday, June 3rd from 12 noon to 6pm
 - Saturday, June 4th from 9am to 4pm
- Early Bird raffle ticket sales end at 2pm
 - Sunday, June 5th from 9am to 10am
- Hourly Raffle tickets sales end at 10am

For additional information, please refer to the Raffle Information, Disclosures and House Rules document that is available at the Raffle Ticket sales table.

Prizes are subject to change, for a complete and up to date listing, please refer to the updated documents located at the Prize Table located in the main exhibit hall of the Seaside Civic & Convention Center.

SEA-PAC Raffle Rules

THE RAFFLES

Hourly Raffle

- Raffle ticket cost: \$1.00 per ticket.
- 3,000 tickets are available for sale.
- Hourly Raffle tickets are limited to one (1) per adult registration.
- Hourly Raffle drawings are hourly, at the following times:
 - Saturday, June 4th at 10am, 11am 12pm, 1pm and 3pm.
 - Sunday, June 5th at 9am, 10a, and 11am.

There are many Hourly Raffle Prizes and additional prizes are generally donated during the event for the Hourly Raffle. Please refer to the official Prize Listing is located on the main stage and posted on the communication board.

Early Bird Raffle

- Raffle ticket cost: \$1.00 per ticket.
 - Only one (1) Early Bird raffle ticket purchase per valid registration is available to persons 18 years of age or older and who have completed their SEA-PAC Ham Convention registration prior to April 15, 2022.
 - Validation of registration criteria will be confirmed.
 - Early Bird eligibility is not transferrable to another attendee.
- The Early Bird Raffle ticket sales will end at 2:00pm.

- Listing is located on the main stage and posted on the communication board.

The Early Bird raffle drawing is held on Saturday, June 4th at 2:30pm.

There are many Early Bird Prizes and additional prizes are generally donated during the event for the Early Bird Raffle. Please refer to the official Prize Major Prizes Raffle

- Raffle ticket cost: \$5.00 per ticket.
- 7,000 tickets are available for sale.
- The Major Prize Drawings are held on the following days and times:
 - Saturday, June 4th at 2:45pm
 - Sunday, June 5th at 1:00pm
- No limit on number of Major Prize raffle tickets purchased per person.

SEA-PAC Early Bird Prizes

Saturday 2:30 PM, June 4th 2022

Early Bird Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
200	2 M Radio	ICOM IC-V80 Sport
201	2 M Radio	ICOM IC-V80 Sport
202	Strength Meter	MFJ Field Strength Meter MFJ-802-B
203	Power Supply	MFJ Power Supply MFJ-4235-MV
204	Power Supply	Alinco Power Supply DM-430-T
205	Signalink USB	Sound Card Modem USB
206	Gift Certificate	Inn At Seaside 1 Night lodging
207	Gift Certificate	River Inn Seaside, Or 1 Night Lodging
208	Gift Certificate	The Saltline Hotel 1 Night Lodging
209	Power Pack	Power Pack VP-160
210	Power Pack	Power Pack VP-160
211	Radio Handheld	Yaesu Dual Band FT-70DR
212	Battery Analyzer	Computerized Battery Ana- lyzer CBA V
213	Weather Station	Davis Weather Station Vantage Vue
214	Yaesu Handheld	Yaesu Tri Band VX-6R

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Major Prizes pg 1

Saturday 2:45 PM, June 4th 2022

Major Prize Raffle Odds in winning are 1:140

#	Prize Name	Prize Description
300	2 M Radio	ICOM IC-V80 Sport
301	2 M Radio	ICOM IC-V80 Sport
302	Headphones	MFJ-393M
303	Power Supply	Alinco Power Supply DM-430T
304	Power Supply	Alinco Power Supply DM-330MVT
305	Signalink USB	Sound Card Modem USB
306	Gift Certificate	Inn At Seaside 1-Night Lodging
307	Gift Certificate	River Inn Seaside, OR 1-Night Lodging
308	Battery Analyzer	Computer Battery Analyzer CBA-V
309	Yaesu Handheld	Yaesu Dual Band FT-70-DR
310	Yaesu Handheld	Yaesu Tri Band X-6R
311	ICOM Mobil Radio	COM DUAL BAND IC-2730A
312	ICOM Mobil Radio	ICOM Dual Band IC-2730A
313	Antenna Analyzer	MFJ-SWR Analyzer MFJ-259D
314	ICOM Radio Mobil	ICOM-D-Star & GPS Mobil D-5100 DeluxeA

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Major Prizes pg 2

Saturday 2:45 PM, June 4th 2022

Major Prize Raffle Odds in winning are 1:140

#	Prize Name	Prize Description
315	ICOM Radio Mobil	ICOM-D-Star & GPS Mobi D-5100 DeluxeA
316	Antenna Analyzer	RigExpert Analyzer AA-230ZBT
317	Headphones	Heil Sound PRO-7 Headphones
318	Geochron	Geochron Atlas 1.4 Digital
319	Kenwood Mobil	Kenwood Dual Dand M-V71A Echolink Ready
320	Controller	Repeater Controller ICS Controllers
321	G B ox	G Box DC12MTY Impulse Electronics
322	Gift Certificate	Ebb-Tide Oceanfront Inn 2-Nights Lodging
323	Gift Certificate	HI-Tide Oceanfront Inn 2-Nights Lodging
324	Antenna	MFJ-Octopus 4-Band #2104
325	Antenna	Buddistick Pro Antenna
326	Antenna	Crank TR Portable StepplR

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Major Prizes pg 1

Sunday 1:00 PM, June 5th 2022

Major Prize Raffle Odds in winning are 1:140

#	Prize Name	Prize Description
400	2 M Radio	ICOM IC-V80 Sport
401	2 M Radio	ICOM IC-V80 Sport
402	Heil Sound	Headphones PRO-7
403	Power Supply	Alinco Power Supply DM-430T
404	Power Supply	Alinco Power Supply DM-330MVT
405	DC MITY Go Box	Power Box MITY Go Box Model-T312
406	Signalink USB	Sound Card Modem USB
407	Signalink USB	Sound Card Modem USB
408	Radio Handheld	Btech Handheld DMR-6X2
409	Radio Handheld	Yaesu Tri Band VX-6R
410	Radio Handheld	Yaesu Tri Band VX-6R
411	Antenna Analyzer	MFJ SWR Analyzer MFJ-259D
412	Gift Certificate	The Saltline Hotel 1-Night Lodging
413	Weather Station	Davis Weather Station Vantage Vue
414		

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Major Prizes pg 2

Sunday 1:00 PM, June 5th 2022

Major Prize Raffle Odds in winning are 1:140

#	Prize Name	Prize Description
415	ICOM Mobil Radio	ICOM Dual Band IC-2730
416	ICOM Mobil Dual Band	ICOM D-Star & GPS Mobil D-5100A Deluxe
417	ICOM Mobil Dual Band	ICOM D-Star & GPS Mobil ID-5100A Deluxe
418	Yaesu Mobil Ana- log	Yaesu Mobil Dual Band FTM-300DR
419	Kenwood Mobil Dual Band	Kenwood DB Echolink TM-V71A
420	Geochron Clock	Geochron Atla 1.4 Digital
421	Antenna Analyzer	RigExpert Analyzer AA-230 BLE
422	COM MobilDual Band	ICOM Dual Band D-Star GPS ID-5100A Delux
423	Kenwood Mobil Dual Band	Kenwood DB Echolink TM-V71A
424	Yaesu Mobil Dual Band	Yaesu Dual Band GPE & APRS FTM-400DR
425	ICOM Transceiver	All Mode Transceiver QRP ICOM IC-705

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Hourly Prizes

Saturday 10:00 AM, June 4th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
100	Gift Certificate	\$10.00 Pig & Pancake
101	Coax Cable	1-Coax Cable From Cable Experts
102	ARRL Handbook	ARRL 2022 Handbook Softcover
103	Astatic 302-vs6	Astatic Classic Noise
104	MFJ 24 Hour Clock	MFJ 24 Hour Clock MFJ-122RC LCD Atomic
105	ARRL Operating Manual	ARRL 12 th Special Operating Manual
106	MFJ 24 Hour Clock	MFJ-108B Dual LCD Digital
107	Mirror Mount	Diamond Medium Duty
108	ARRL Repeater Directory	ARRL Repeater Directory
109	Cleartone Speaker	Cleartone Speaker MFJ-600
109A	Gift Certificate	\$25.00 Gift Certificate Ham Radio Outlet

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Hourly Prizes

Saturday 11:00 AM, June 4th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
110	Gift Certificate	\$10. 00 Pig & Pancake
111	Gift Certificate	\$25.00 ARRL
112	MFJ 24 Hour Clock	MFJ-108B Dual LCD Digital
113	ARRL Repeater Directory	ARRL Repeater Directory
114	Hustler Mount	Trunk Lid MFL-108B Mount
115	Comet Antenna	Comet Dual Band Antenna SBB-2NMO
116	Pulse Larsen Antenna	Magnetic Mount NMO MMR
116	Pulse Larsen Antenna	Magnetic Mount NMO MMR
117	Powerwerx Box 270	Powerx Heat Shrink Wire
118	Gift Certificate	\$25.00 Gift Certificate North Coast Leather
119	Coax Wrap Roll	Coax Wrap Roll Black RF Parts CW10B
120	Anderson PowerPoles	Anderson Powerpoles Powerwerx PP30-10
121	Gift Certificate	1Set(250) Custom QSLCards BF Technic Arts (At Booth)
121A	Gift Certificate	Set(250) Custom QSL Cards BF Technic Arts (At Booth)

SEA-PAC Hourly Prizes

Saturday 12 noon, June 4th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
122	Gift Certificate	\$10.00 Pig & Pancake
123	ARRL Handbook	ARRL 2022 Handbook Softcover
124	PowerPole Case	Powerwerx 150 Pi Assorted
125	Comet Magnet	Comet CM-5NMO Medium Duty
126	Penetrox A	Burndy Penetrox
127	Gift Certificate	1- Custom T Shirt Ham-Theme T-Shirts (At Booth)
128	ARRL Operating Manual	ARRL Operating 12 ^t Special Manual
129	MFJ Clock	MFJ 24 Hour Clock MFJ-122RC LCD Atomic
130	Clearitone Speaker	Clearitone Speaker MFJ-600
131	ARRL Repeater Directory	ARRL Repeater Directory
132	Coax Wrap Roll	Coax Wrap Roll Black RF Parts CW19B
133	Anderson' PowerPoles	Anderson Powerpoles Powerwerx PP30-10
134	Gift Certificate	Portland Fudge Seaside, OR
135	Gift Certificate	QB Antenna Off Grid Gear 2 Go
136	Gift Certificate	25.00 Gift certificate North Coast Leather
136A	Fire Starters	Pac (25) Fire Starters By Northwest Outreach

SEA-PAC Hourly Prizes

Saturday 1:00 PM, June 4th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
137	Gift Certificate	\$10.00 Pig & Pancake
138	Gift Certificate	\$25.00 ARRL
139	ARRL Handbook	ARRL 2022 Handbook Softcover
140	Palomar BA-4-250	50:200 ohm (4:1) HF
141	Astatic 302-vs6	Astatic Classic Noise
142	MFJ 24 Hour Clock	MFJ -108B Dual Digital LCD
143	ARRL Operating Manual	ARRL Operating 12 th Special Manual
144	Gift Certificate	Gold Metal Ideas 1- Name Badge
145	Clearitone Speaker	Clearitone Speaker MFJ-600
146	ARRL Repeater Directory	ARRL Repeater Directory
147	Coax Wrap Roll	Coax Wrap Roll Black RF Parts CW10B
148	Anderson PowerPole	Anderson PowerPole Powerwerx PP30-10
149	Gift Certificate	15.5" Moisture Bag Off Grid Gear To Go
150	Jewelry	Cat Tails Designs Custom Jewelry
151	Gift Certificate	\$25.00 Gift Certificate Ham Radio Outlet
151A	Mobil Antenna	2M/440 Mobil Antenna Comet NCG

ALL PRIZES SUBJECT TO CHANGE

SEA-PAC Hourly Prizes

Saturday 3:00 PM, June 4th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
152	Gift Certificate	10.00 Pig & Pancake
153	Tie Kit	Tie Kit -777
154	ARRL Handbook	ARRL 2022 Handbook Softcover
155	Insulators	Ceramic Egg Insulators
156	Astatic 302-vs6	Astatic Classic Noise
157	Gift Certificate	1- Custom T-Shirt Ham-Theme T-Shirt (At Booth)
158	ARRL Operating Manual	ARRL Operating 12 th Special Manual
159	Coax Wrap Roll	Coax Wrap Roll Black RF Parts CW10B
160	Insulators	Ceramic Egg Insulators
161	Cleartone Speaker	Cleartone Speaker MFJ-600
162	Anderson Power-Pole	Anderson PowerPole Powerwerx PP30-10
163	Gift Certificate	Portland Fudge Seaside, OR
164	Gift Certificate	Gold Metal Ideas 1-Name Badge
165	Jewelry	Cat Tail Designs Custom Jewelry
166	Gift Certificate	\$25.00 Gift Certificate Ham Radio Outlet
166A	Radio Mount	2M/440 Mobil Antenna Comet NCG

SEA-PAC Hourly Prizes

Sunday 9:00 AM, June 5th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
167	Gift Certificate	\$10.00 Pig & Pancake
168	ARRL Handbook	ARRL 2022 Handbook Softcover
169	Powerwerx Box 198	198 Piece Assorted Heat
170	Hustler Mount	Trunk Lip Mobil Mount
171	Hustler Trunk Lip Mount	Hustler CTMA NMO Style Trunk Lip
172	Custom Bag	1- Custom Bag From Western Case
173	ARRL Operating Manual	RRL Operating 12 th Special Manual
174	Coax Switch CS-201A	DAIWA Coax Switch 2 Positions
175	Books Study Guide	Technician, General & Extra class, Study Guides
176	Books Operating Manuals	Chase Work & DX, How to Get HF, Prepper Communications
177	Gift Certificate	\$75.00 G C Towards Purchase MMX Transceiver
177A	Fire Starters	1-Pac (25) Fire Starters By Northwest Outreach
177B	Gift Certificate	\$10.00 Gift Certificate PreciseRF (Pick up at Booth)
177C	Keyboard	Wireless Keyboard By QRP Works

SEA-PAC Hourly Prizes

Sunday 10:00 AM, June 5th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
178	Gift Certificate	\$10.00 Pig & Pancake
179	Gift Certificate	\$50.00 ARRL
180	Penetrox A	Burndy Penetrox A
181	Astatic 302-vs6	Astatic Classic Noise
182	ARRL Repeater Directory	ARRL Repeater Directory
183	Comet Magnet	Comet CM-5NMO NCG Medium Duty
184	Hustler Trunk Lip	Hustler CTMA NMO Style Trunk Lip
185	insulators	Ceramic Egg Insulators MFJ-16A06
186	Fast Track Books	Fast Track Ham Book
187	Powerwerx	1-Bag assorted PowerPoles and Tool
188	Gift Certificate	\$25.00 Gift Certificate Ham Radio Outlet
188A	Gift Certificate	\$100.00 Gift Certificate Wired Communications
188B	Gift Certificate	\$50.00 Gift Certificate ABR Industries (Pick up at Booth)
188C	Gift Certificate	\$50.00 Gift Certificate RT Systems (Pick up at Booth)

SEA-PAC Hourly Prizes

Sunday 11:00 AM, June 5th 2022

Hourly Prize Raffle Odds in winning are 1:30

#	Prize Name	Prize Description
189	Gift Certificate	\$10.00 Pig & Pancake
190	Gift Certificate	\$50.00 ARRL
191	Palomar BA-4-250	50:200 ohm (4:1) HF
192	Hustler Trunk Lip	Hustler CTMA NMO Style Trunk Lip
193	Insulators	Ceramic Egg Insulator MFJ-16A06
194	Coax Switch CS-201A	DAIWA Coax Switch 2 Positions
195	Insulators	Ceramic Egg Insulators MFJ-16A06
196	Coax Wrap Roll	Coax Wrap Roll Rf Parts CW10B Black
197	Anderson PowerPole	Anderson PowerPole Powerwerx PP30-10
198	Antenna	2M/440 MHZ J Pole Antenna
199	Mobile Antenna	Comet NCG 2M/440 Mobil Antenna
199A	Gift Certificate	\$50.00 Gift Certificate ABR Industries (Pick up at Booth)

ALL PRIZES SUBJECT TO CHANGE

Mickley/Berg Memorial Scholarship

Declan O'Hara, KG7HTE



Declan M.. O'Hara KG7HTE is a senior undergraduate Electrical Computer Engineering (ECE) student at Oregon State University graduating with my bachelor's in ECE with a minor in Computer Science in June. I will be starting a six-month internship with Daimler Trucks North America in Portland this coming June. I will return to OSU in January to finish my Master's degree in ECE in June 2023. I have

had my ham license since 2014 being an active member in Linn County A.R.E.S and my local ham club. I have loved building and testing circuits, contesting, and helping provide communications at triathlons and other events. In May of 2020, I stepped into the role of Linn County's volunteer exam coordinator (VEC) under ARRL coordinating and administering exams. Ham radio has come full circle for me in this role, from taking my exam as a youth to now helping coordinate the exams has been fulfilling. I am currently OSU's amateur radio club's president since May of 2021 helping to restart the club due to a lack of student involvement during the pandemic. I have loved being an integral part of growing the OSU club. One of my future goals is to build a project that combines my love for beekeeping by using ham radio to transmit data back to my house from weight, temperature, humidity and sunlight sensors on the hive..



SEA-PAC 2022 Pin Contest Winner

Ellen Norris, KJ7EDN



Ellen earned the Technician license in 2017, and completed upgrading to Amateur Extra in 2021. She



has been a member of the Sunset Empire Amateur Radio Club in NW Clatsop County Oregon since 2017, and currently serves SEARC as Treasurer and Webperson. Now living in Pacific County Washington, Ellen recently joined the Pacific County Am-

ateur Radio Club. Ellen is a VE registered with both ARRL/VEC and W5YI/VEC, and assists with administering Amateur Radio licensing exams both in-person and virtually. She is a member of ARES and RACES, and regularly checks into local AuxComm and WHO (Women Ham Operators) nets.

Paul Stiles KF7SOJ Montana Section Manager



Paul Stiles, KF7SOJ became the Montana Section Manager on October 1, 2019.

SEA-PAC Flea Market

Please take time to visit the numerous flea-marketeers” who brought ham treasures galore to share with others.

Their excess might be just the thing you, or someone you know, need for a project! Flea Market sellers may wish to fill out a “Yes” card to reserve your table for next year, as long as you pay before we sell out. The Flea market coordinators will be passing these cards out to the tables during the event.

Please return the “Yes” card to the box marked for them at the Registration Desk before you leave. We plan to open next year’s registration on the web site on February 15, 2023.

David Kidd, KA7OZO Oregon Section Manager

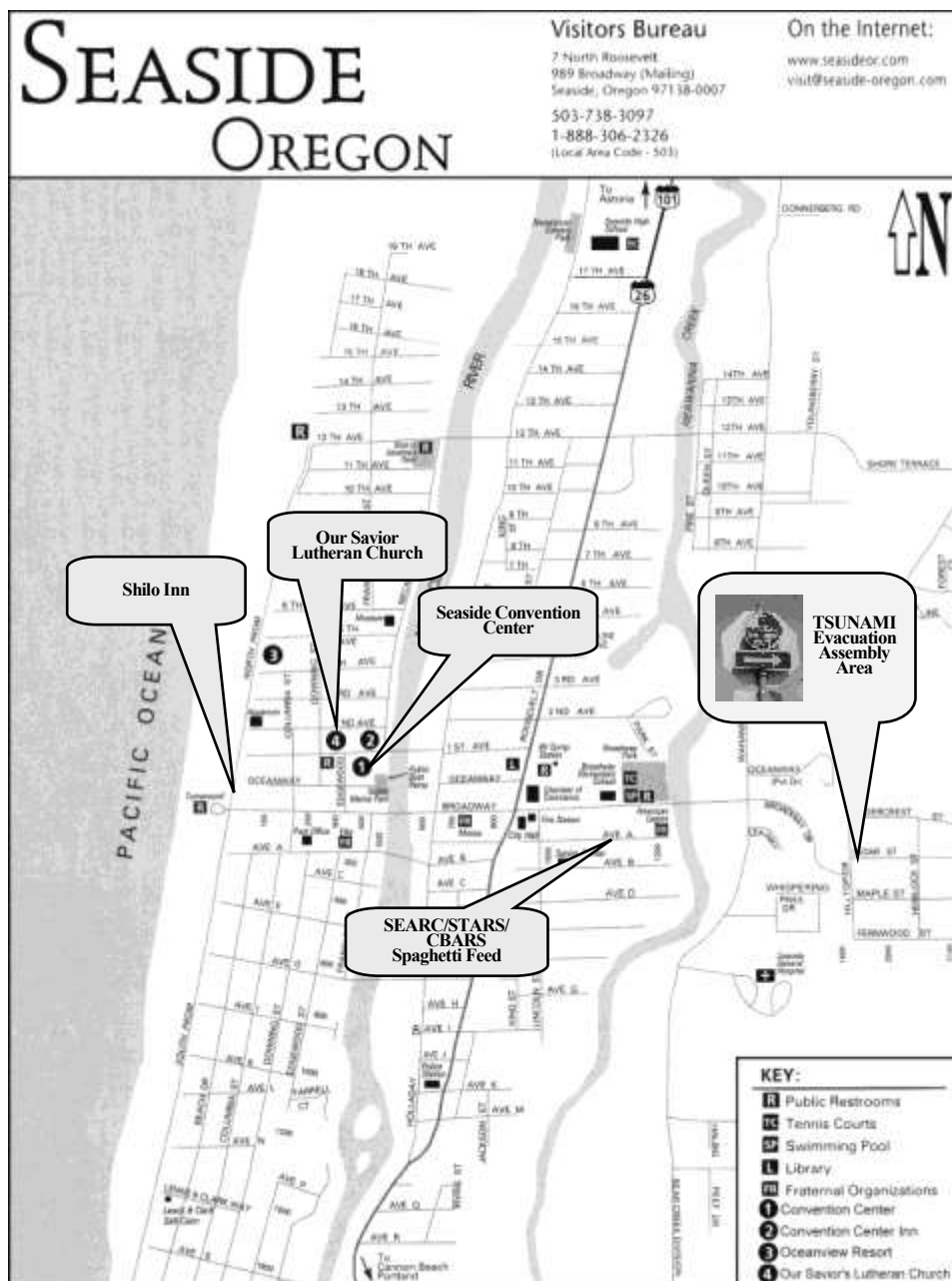


David Kidd, KA7OZO, was first licensed in 1981 as a Novice and stayed that way for a long time, enjoying the challenges of that class in a time of great propagation. He later upgraded to Tech+. Eventually, he was involved in establishing ARES in Clackamas County Oregon and became the EC in 2003. David also previously held the D-1 DEC position for five years.

David was appointed Oregon Section Manager in July 2018. During his ham career, besides ARES, he enjoys county hunting, DXing, QRP & QRPp and trying out other aspects of our fine hobby.

David is a United States Marine until the day he dies, is a combat veteran, and is now retired with 14 years active Marine Corps duty. He also served 16 years in the Army Reserves and Oregon National Guard.

SEA-PAC Activity Locations





2022 SEA-PAC Collector Pin and Tee Shirts



Ellen Norris KJ7EDN 2022 SEA-PAC Pin design is available on both SEA-PAC collector pins and tee shirts.

You can order your T-shirt directly from Hip Ham Shirts at

<https://www.hiphamshirts.com/collections/sea-pac-convention>.

The 2022 collector pins (and several other past years) are only available at the SEA-PAC registration desk.

**We Hope to See You All
Live and In Person Next
Year at SEA-PAC 2023 in
beautiful Seaside, Oregon,**

SEA-PAC CONTACTS

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Vice-Chair Barbara Robertson, KI7BR
503.840.4479
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SEA-PAC Web Site: <http://www.seapac.org>

SEA-PAC Mailing Address: SEA-PAC Ham Convention
Post Office Box 7263
Aloha, Oregon 97007-0963

David Stevens KL7EB Alaska Section Manager



David Stevens, KL7EB, is an extra class Amateur and 40 plus years a Life Member of the American Relay Radio League. There are 3784 amateurs in Alaska, and of which 1934 are Technician class.

He promotes contesting, and DXing and also encourages members to participate in more WAS (Worked All States), 10-10 awards, High Altitude Balloon launches, Islands On Air (IO A), Moon bounce and other diverse parts of our hobby. Some of his greatest thrills was each time he helped a disabled ham fix his tower and high SWR. The smile on their faces is priceless.

As section manager in 1984 he saw expanded voice privileges on HF thanks to support of Juneau hams. Later the FCC turned primary monitoring over to amateurs, as well as starting a Voluntarily Examining program. He was the Iditarod Chief of communications with the 2003 restart in Fairbanks. He is excited to help amateur radio into the next generation.

SEA-PAC Feedback

We appreciate feedback on your experience at SEA-PAC. To share it with us, send us an email with your comments to:

suggestions@seapac.org

Thank you for attending SEA-PAC and thank you in advance for taking the time to help us make SEA-PAC 2023 an even better experience!

The 11th Annual STARS/SEARC All You Can Eat Spaghetti Dinner

Everyone Welcome

Friday, June 2, 2022 from
5:00 p.m. to 8:00 p.m.

Bob Chisholm Center,
1225 Avenue A, Seaside, OR

Adults \$10
12 & under \$7

SEA-PAC COMMITTEES

<p><u>SEA-PAC CHAIR</u> Greg Shuster, K17DTS</p> <p><u>VICE-CHAIR</u> Barbara Robertson, K17BR</p> <p><u>OTVARC LIAISON</u> Ron O'Connor, KD7VIK</p> <p><u>CCARC LIAISON</u> Gary Takis, K7GJT</p> <p><u>ADMINISTRATION</u> Gary Takis, K7GJT Wayne Schuler, AI9Q (A)</p> <p><u>BANQUET & LUNCHEONS</u> Everett Curry, W6ABM Ron O'Connor, KD7VIK (A)</p> <p><u>ADVERTISING/SALES</u> Mike Hurley, KG7BF Warren Winner, W7JDT (A)</p> <p><u>EXHIBITORS</u> Warren Winner, W7JDT Mike Hurley, KG7BF (A) Barb Winner, WB1ARB</p> <p><u>FINANCE/TREASURER</u> Everett Curry W6ABM Candice Bucsek, KF7WPQ</p> <p><u>HEALTH & SAFETY</u> Toby Clairmont, KH7FR</p> <p><u>Reception For All</u> Delvin Bunton, NS7U Wayne Schuler, AI9Q (A)</p> <p><u>PUBLIC INFORMATION</u> (PIO) Greg Shuster, K17DTS</p>	<p><u>SOCIAL MEDIA</u> Shayne Rowan WA7MSR</p> <p><u>REGISTRATION</u> Melissa Nelson, WA7MEL Candice Bucsek, KF7WPQ (A)</p> <p><u>WEBSITE</u> Michael Nelson, N7IQM (Back Office) Melissa Nelson, WA7MEL (Registration) Gary Takis, K7GJT (Public Pages)</p> <p><u>PUBLICATIONS</u> Gary Takis, K7GJT Wayne Schuler, AI9Q (A)</p> <p><u>SECURITY</u> Bruce Bullis, KG6CI Geoff Apgar, W7JEZ (A)</p> <p><u>PIN PROGRAM</u> Jerry Sheffield, N7THL</p> <p><u>SEA-PAC ADVISOR</u> Herb Hirst, K7HLH</p> <p><u>QSO Party</u> Ron O'Connor, KD7VIK</p> <p><u>EXHIBITOR HOSPITALITY</u> Heidi Bayer, KG6SVM Dave Moore, KF7ASP Vanessa McCoy, KE7UUB (A)</p>	<p><u>PRIZE COMMITTEE</u> Darwin Durr, K7PSD Warren Winner, W7JDT Jim Schaeffer KB7ADH Haylee Jackson KG7MOV Steve Jackson KD7ABE Debbie Schaeffer KG7DZD Mike Durr KA7PWZ Jeff Durr KA7AKU Arnold Klein WB6OEE Elisabeth Klein (No Call)</p> <p><u>CONVENTION SETUP</u> Wayne Schuler, AI9Q Herb Hirst, K7HLH (A)</p> <p><u>WORKSHOPS & SEMINARS</u> Delvin Bunton, NS7U</p> <p><u>PHOTOGRAPHER</u> Greg Shuster, K17DTS</p> <p><u>FLEA MARKET</u> Dave Wright, AB7DW</p> <p><u>EXHIBITOR SET-UP</u> Michelle Lee, K17EJC Dave Moore, KF7ASP (A)</p> <p><u>SPONSOR LODGING</u> Mike Hurley, KG7BF</p> <p><u>V.E. TESTING</u> John Bucsek, KE7WNB Paul LeFevre K17ADC (A)</p>
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Convention Meeting Schedule

Saturday

11:00—11: 50 Oregon ARES Meeting Seaside A

Sunday

None

Tsunamis



Coastal areas along the Pacific Ocean sometimes experience earthquakes and the resulting tsunami waves. If you feel an earthquake:

- Drop, cover, and hold
- Move immediately inland to higher ground (see map on page 44)
- Do NOT wait for an official warning
- Go to the evacuation staging area by foot.
- Leave your auto parked"

From the Convention Center, walk **EAST** on Broadway about $\frac{3}{4}$ mile up the hill. Leave your car and walk because you will pass the folks stuck in traffic jams.

From Broadway Middle School, walk **SOUTH** to Broadway then **EAST** up the hill to the evacuation assembly area.

A local earthquake (along the Cascadia Fault Zone) may be your only warning. You likely have less than 15 minutes to reach higher ground. More distant earthquakes will not give the shake warning, so sirens will sound for 3 minutes at intervals.

We do not expect an earthquake or tsunami during your visit, but advance planning helps you prepare for the unexpected. (See map on page 45)

ARRL and Northwestern Division Scholarships

Northwestern Division Scholarship Funding is made available through the generosity of the Members of the ARRL Northwestern Division (NWD). NWD scholarships currently available include: The Wilse Morgan, WX7P, Memorial ARRL Northwestern Division Scholarship; The Joel R. Miller, W7PDX, and Martha C. Miller STEM Scholarship; The William Bennett, W7PHO, Memorial Scholarship; The Mary Lou Brown Scholarship; and The Lois Manley, K7LMZ and Randall Pitchford, WW7ZZ Scholarship.

These scholarships are awarded to eligible hams living in the Northwestern Division (Alaska, Idaho, Montana, Oregon, or Washington) who are members of the ARRL, active in Amateur Radio activities, and who are pursuing higher education. Generally, applicants include high school seniors, undergraduate, and graduate students.

In Addition, there are many additional scholarships available From the ARRL Foundation that are non-specific to the NWD and some have specific requirements. Please encourage young, licensed, active Hams to apply for one of these scholarships. Those interested in applying for a Northwestern Division Scholarship, please have then visit www.arrl.org/scholarship-program to learn more.

To create a new scholarship please reference: www.arrl.org/arrl-foundation-donation-form or contact Melissa Stemmer KA7CLO at KA7CLO@arrl.org or call 860-594-0348.

For 2022-23, there are approximately 165 scholarships available from the ARRL Foundation ranging in values from \$25,000 to \$500.

The Next application process for 2023-2024 ARRL Foundation Scholarships will begin in the Fall 2022 and will end on December 31, 2022.

“The Northwest’s Largest Ham Convention”



'23

June 2-4, 2023

ARRL NORTHWESTERN DIVISION CONVENTION Seaside Convention Center, Seaside Oregon

Commercial Exhibits • Giant Flea Market • Seminars • Workshop
Banquet • Entertainment • VE Testing • DX & YL Luncheons

On the beautiful Northwest ocean beach

Exhibitor Contact:
exhibitors@seapac.org

Flea Market Contact:
fleamarket@seapac.org

Registration Contact:
registration@seapac.org

◀ www.seapac.org ▶

I want to be part of SEA-PAC 2023. Please email me:

- ☐ Flea Market Information ☐ Volunteer to Help
- ☐ Commercial Exhibit Rates and Contract
- ☐ I would like to See or Present (circle one) a Seminar on...

Topic _____

Name _____ Call _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Email Address _____

**Gather this information and Email the information to
info@seapac.org**