





Northwestern Division Convention

"Out of the Darkness, Into the Light"



A Virtual Event

June 5 and 6, 2021



The Remodeled Seaside Convention Center

www.seapac.org

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

Welcome to SEA-PAC!

Welcome to the virtual 39th Anniversary edition of SEA-PAC, the premier Ham Convention in the Northwest. While it can't be the complete in person event we have had in the past, we hope you find the presentations, seminars and QSO party to be the same quality that you have come to expect from us.

Our theme, "Out of the Darkness, into the Light", has a double meaning as we are emerging from the isolation of the COVID-19 pandemic and from a solar minimum. Despite the challenges of the past year, we have seen growth in the hobby. In many ways our hobby is well suited to social distancing. We continue to make new contacts, new friends, as well as stay in touch with old ones from all over the world.

As we embark on our 39th year, we thank you for your continued support. SEA-PAC is sponsored by the Oregon Tualatin Valley Amateur Radio Club and co-sponsored by the Clark County Amateur Radio Club.

Members from both clubs have worked since September to make this virtual event a satisfying experience for you. We look forward to the 40th anniversary of SEA-PAC and a return to the newly remodeled and expanded Seaside Convention center for SFA-PAC 2022.

Welcome to Seaside from the comfort of your home!

John Bucsek, KE7WNB 2021 SFA-PAC Virtual Convention Chairman

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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!!!!!

the ARRL's 107rdyear,

SEA-PAC's 39th year,

and the YLRL's 82nd year

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.

Due to publica on deadlines we apologize for any changes or omissions.

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 Co-

lumbia 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, hamfests', 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."

2021 - SEA-PAC QSO PARTY

Saturday - June 5, 2021, 9:00 AM to 9:00 PM PDT Sunday - June 6, 2021, 9:00 AM to 3:00 PM PDT

Contest Objective: To encourage Radio Amateurs in the Pacific Northwest and beyond to work as many stations as possible in celebration of our annual SEA-PAC Ham Conventions, past and future. The format and scoring is intended to reward and encourage the new and casual operator who may not be an active contester. reflect reported mode activity from 2020. To be held in conjunction with the 2021 "Virtual SEA-PAC Convention". Join our 2nd annual SEA-PAC QSO Party for a "Ham-tastic" time on the air-wayes!

Categories:

- SSB: Low Power <150 watts All Bands (2-points per QSO)
- SSB: High Power >150 watts All Bands (1-point per QSO)
- Digital: All bands, all modes (1-point per QSO)
- Sponsoring Club Stations: W7OTV and W7AIA (20 bonus points each)

NOTE: Contest Bands include: 80M, 40M, 20M, 15M, 10M, 6M, 2 meters 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 submit a summary form for special recognition and bragging rights. Log submission is not required. A summary of the final results will be available to all who submit a summary sheet. Please let us know how you did!

For more information and the results form:

Review this contest outline and download the "fillable" PDF of the results summary form.

For information on how to save a fillable PDF File, CLICK HERE.

Any questions, email your inquiry to: seapac.qp@qmail.com, Attn. Ron O'Connor – KD7VIK

Submit your completed PDF results summary form to: seapac.qp@gmail.com Attn: Ron O'Connor - KD7VIK

SCHEDULE OF EVENTS

Saturday, June 5		
SEA-PAC QSO party	SEA-PAC QSO party	9:00AM-9:00PM
SEA-PAC Virtual Convention	Convention (Zoom Webinar)	
	Title	
ek, X	Welcome	09:00 AM
Rick Roderick, K5UR	Introduction	
David Minster, NA2AA	ARRL Keynote Speaker	
Ron O'Connor, KD7VIK	SEA-PAC "QSO Party" Operating Event	
Mike Ritz, W7VO	Northwestern Division ARRL Forum	10:00 AM
Seminar	Title	
David Wald, USGS Oliver Dully, K60Ll	"Earthquakes" & "Did You Feel It?" Reporting via Winlink	11:00 AM
Toby Clairmont, KH7FR	"Right of Boom – Amateur Radio Operations Immediately Following a Major Emergency or Disaster"	12:00 AM
Barbara Yasson, AC7UH Linda Ford AA6MR	"Go Kits: Putting Together an Emergency Communications Station"	13:00 PM
Randy Hall, K7AGE	"Time and Ham Radio"	13:50 PM
Alex Schwarz, VE7DXW	"Propagation vs Earthquakes"	14:25 PM
Lance Collister, W7GJ	"Recent Trends in 6m EME"	15:00 PM
Tom Schiller, N6BT	"Another look at verticals"	16:00 PM
Jim Fenstermaker, K9JF	"ARRL Foundation Scholarship program"	17:00 PM
O CON TIONING WAR	COST de la	
Sunday, June 6		
SEA-PAC QSO party	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9:00AM-3:00PM

SEMINAR SUMMARIES

Earthquakes and "Did You Feel Davi It?" Reporting via Winlink Olive		
	David Wald, USGS; and Oliver Dully, K6OLI	Earthquakes can shake our lives and rearrange the geography at unexpected times.
Right of Boom – Amateur Radio Toby Operations Immediately Fol- lowing a Major Emergency or Disaster	Toby Clairmont, KH7FR	Will your station and radio equipment survive a major emergency or disaster? Before the event is the time to plan.
Go Kits : Putting Together an Barb Emergency Communications and Station	Barbara Yasson, AC7UH; and Linda Ford, AA6MR	How to put together a station to take with you for a public service event or an emergency.
Time and Ham Radio Rand	Randy Hall, K7AGE	How time is used and impacts amateur radio activities.
Propagation vs. Earthquakes Alex	Alex Schwarz. VE7DXW	Since earthquakes are a very dominant aspect of a planet it is surprising that the connection between quakes and propagation has not been discovered yet. Quakes are constantly releasing and this energy has an effect on everything living on the planet including propagation.
Current Trends in 6m EME Lanc	Lance Collister, W7GJ	Ever wondered how to try Earth-Moon-Earth DXing? Listen to Lance to learn how
Another New Look at Verticals Tom	Tom Schiller, N6BT	Vertical antennas offer some unique capability over other types. Tom will discuss some of the things he recently learned.
ARRL Foundation Scholarship Program	Jim Fenstermaker, K9JF	Jim is the current ARRL Foundation Chair and will discuss the processes used to select an outstanding class of scholarship awards. He will discuss some key points that can likely apply to most scholarship applicants,

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How SEA-PAC Grew

In 1981, the North Coast Repeater Association (NCRA) hosted a Hamfest at the Seaside Convention Center. Al Berg W7SIC, president of The Oregon Tualatin Valley Amateur Radio Club (OTVARC) in 1980/81, encouraged the club to become involved and to help with security. The following year, when the NCRA leadership moved from the area, OTVARC joined in sponsoring the convention, renaming it "Oregon State Ham Convention." Doc McLendon W7GWC, agreed to be cochairman and served through 1987.



In 1988, Al Berg chaired the ARRL National Convention at the Jantzen Beach Red Lion hotel in Portland Oregon. A "Council of Clubs" included Portland ARC (PARC), Clark County Amateur Radio Club (CCARC), and others was formed to seek approval. The name became "Seaside-Paci c" and then shortened to SEA-PAC.

Over the years, many people have been involved in leadership at SEA-PAC. In addition to the numerous early committee members, Randy Stimson KZ7T, Jim Schaeffer KB7ADH, Will Sheffield N7THL, Wayne Schuler AI9Q, and Darwin Durr K7PSD assisted Al Berg.

When asked about reasons for so many successful years Al Berg said "We cannot pin any one thing that kept us popular...the one I hear most is that we are well organized. We have comments that seminars equal those in Dayton. In a nutshell, SEA-PAC is well organized, at a great location and uses a professional facility."

Wayne Schuler AI9Q, who served as chairperson from 2013 after Al Berg became a silent key said, "I don't think there is any one reason for our success. We have always had a commitment from SEA-PAC committee members, and we have an excellent location for the entire family to attend whether hams or not. Our activities are varied, there's always something for everyone."



Continued on next page

How SEA-PAC Grew (Cont)

In 2015, OTVARC and CCARC joined forces to share the responsibility of continuing the success of SEA-PAC. Currently, the chair position alternates between the two co-sponsoring clubs.

As attendance grew for SEA-PAC so did the other groups that utilize the Seaside Convention Center. In 1917, the city of Seaside, Oregon approved a bond measure to remodel and expand the facility. One day after the 2018 SEA-PAC convention, ground was broken for the expansion to the east side of the building and a total makeover of the inside. New and larger seminar rooms, better sound and lighting systems were to be installed along with higher speed Wi-Fi.

Despite unfinished construction, SEA-PAC 2019 opened with only a minor disruption to the convention. A temporary staircase to the upstairs seminar rooms was installed and the 2-day fleamarket area was closed off. The fleamarket was limited to one day only on the main floor. Still, even with advance notice of the changes, the attendees came anyway which caused a first-time sellout of the 250 seat workshop, 50 seat YL and DX lunches and the 350 seat Saturday night banquet.

Like SEA-PAC on Facebook! (SEA-PAC)



Follow SEA-PAC on Twitter! (@SEAPACatSEASIDE)





Follow SEA-PAC on Instagram! (seapac hamradio)

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

The SEA-PAC commi ees are listed on page 24.

SFA-PAC Free On-line Webinar **Registration is Open**

If you're on the SEA-PAC email list, you should have already received an invitation to register for the free 2021 SEA-PAC Webinar. Registration is free and you'll need to register to view the presentations and seminars.

If you didn't receive the registration email, click on this link to register:

https://tinyurl.com/SEA-PAC-2021.

Please forward this registration info to any of your ham friends who might have been left out.

The general theme for the 2021 SEA-PAC on-line webinar is "Preparedness".

We're planning a full day of seminars on Saturday, June 5th from 9AM until 6PM PDT.

Thank You for Your Generous **Donations to SFA-PAC**

The SEA-PAC committee thanks everyone that has supported SEA-PAC with your generous donations. SEA-PAC has expenses, such as the 2021 Webinar, even without an in-person convention.

To show our gratitude we will be sending Thank You gifts for your donations. A \$50 to \$99 donation will get you a 2021 SEA-PAC collector's pin. A donation of \$100 or more will get you a 2021 SEA-PAC tee shirt and a 2021 collector's pin.

For those who have already donated in these amounts, we'll be contacting you to arrange for your Thank You gift.

If you wish to donate to SEA-PAC, you can use PayPal at this link https:// seapac.org/registration/online registration.php or send 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.

Thank You

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6 x \$50 and 1 x \$100 Grand Prize HRO Gift Certificates





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Future SEA-PAC Dates

June 3-5, 2022

June 2-4, 2023

May 31 – June 2, 2024

June 6-8, 2025

June 5-7, 2026

June 4-6, 2027

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BUDITATIONS

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Mickley/Berg Memorial Scholarship



Hannah Rosenfeld W7HER is the recipient of the Mickley/Berg Memorial Scholarship for the **2021-2022** academic year.

Hannah is a student at the University of Oregon and was selected to receive the scholarship for a second year. She is completing her first year as a Duck with Junior Class status

due to completion of college-level work while at South **Eugene High School.**

Hannah is bilingual, English and Spanish and a member of the National Honor Society. She earned her Technician Class Amateur Radio License in the summer of 2019, moving to General Class in November. She now holds the Extra Class License. She is an active Volunteer Examiner, Net Control Station, and president of the newly formed amateur radio club at the University of Oregon.

Our recipient is the daughter of an active ham radio family. Her father, Scott N7JI, and brother, Nathan K7NAR, are active in the ham radio community. She is planning to major in biology.

We offer congratulations to Hannah and anticipate her continued success.





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SEA-PAC Pin Contest Winner



Winner of both the 2020 and 2021 Pin contest is Andrew Madlem, AB7DY. He is a native Oregonian, Artist, and radio enthusiast. He graduated from Oregon State University in 2005 with a degree in Graphic Design, and has spent the first part of his career working as a **Designer and Art Director for a** creative agency in Portland. Andy is an avid backpacker,

and enjoys camping, hiking, and snowboarding, as well as traveling to new places. Painting and creating art are also hobbies he enjoys.





After developing a curiosity for radio communication, Andy obtained his Tech license in January 2019, and followed it up with his General a couple months later. He was able to complete the Extra exam in March 2020. Making contact with others via LEO FM satellites is something that Andy really enjoys, and he is currently working on achieving a VUCC Satellite award. He recently built his first HF station, and is starting to explore SSB, FT8, and SSTV. Andy is really excited to learn more about radio, and grow with the next generation of amateur operators.

The Amateur Radio Relay Group wishes we were all at Seaside!

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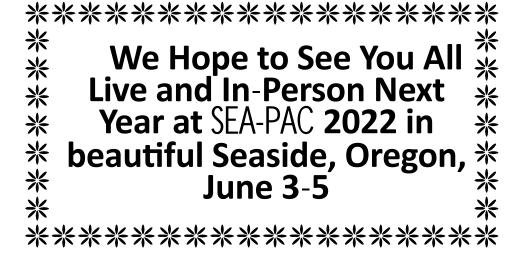


Andrew Madlem's (AB7DY) 2021 SEAPAC Pin design is available on both SEA-PAC collector pins and tee shirts.

You can order your tee shirt, with or without a pin, directly from Hip Ham Shirts at

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

To order a 2021 SEA-PAC pin only, send a check or money order for \$6.00, payable to: SEA-PAC, PO Box 7263, Aloha, OR 97007- 0963



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SEA-PAC **COMMITTEES**

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David Wright, AB7DW

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Michelle Lee, KI7EJC

V.E. TESTING

John Bucsek, KE7WNB G. Bruce Maxwell, N5GB

Voice of SEA-PAC

David Goodnow (CNN)

TALK-IN STATION

STARS (Seaside) Sunset Empire ARC (Astoria)



The Wilse Morgan, WX7P, Memorial ARRL Northwestern Division Scholarship

This scholarship fund has been endowed through the generosity of the members of the ARRL Northwestern Division in memory of Wilse Morgan, WX7P (SK). Wilse lived in Alaska and Washington and was deeply involved in ARRL and the many Amateur Radio activities in the Northwestern Division. Every year, a scholarship in Wilse's memory is awarded to an eligible young ham living in the Northwestern Division (Alaska, Idaho, Montana, Oregon, or Washington) active in emergency communications, contesting, DXing, or other Amateur Radio activities, and who is pursing higher education to study engineering, medicine, science, or business.

To contribute to this scholarship, please go to www.arrl.org/arrl-foundation-donation-form or contact Lauren Clarke, KB1YDD, at lclarke@arrl.org or 860-594-0348.

If you know of a young person interested in applying for the Northwestern Division Scholarship, please have him or her visit www.arrl.org/scholarship-program to learn more.

"The Northwest's Largest Ham Conven on"





'22

June 3-5, 2022

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Exhibitor Contact: exhibitors@seapac.org

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