

THE DAILY ASTORIAN

144TH YEAR, NO. 107

DailyAstorian.com // MONDAY, NOVEMBER 28, 2016

ONE DOLLAR



Photos by Jeff Ter Har/For The Daily Astorian

Santa Claus considers one youngster's wish list at the Seaside Parade of Lights and lighting of the community tree Friday.

Hoquiam eyes key permit for oil depot on coast

By PHUONG LE
Associated Press

SEATTLE—As the small city of Hoquiam considers a key permit for a proposed terminal that would move millions of barrels of crude oil through Grays Harbor, opponents are raising concerns about the potential for oil spills and impacts on tribal fishing rights.

Westway Terminal, recently renamed Contanda, wants to expand its existing methanol facility in Washington state to receive up to 17.8 million barrels of oil a year and store up to 1 million barrels of crude oil.

The project would bring crude oil by train from the Bakken region of North Dakota and Montana or diluted bitumen from Alberta where it would be stored in tanks and then loaded onto tankers or barges for shipping to refineries in the Puget Sound area or California.

The Quinalt Indian Nation and environmental groups say the environmental and safety risks are too great. They're urging Hoquiam to deny the project a shoreline development permit.

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HOLIDAYS KICK OFF WITH LIGHTS ON BROADWAY

Weather takes a break for glittering parade

By R.J. MARX
The Daily Astorian

SEASIDE — Everybody loves a parade in Seaside. Rain or shine. The rain took a short breather Friday night for the city's annual Parade of Lights.

Michelle Barsness of Seattle said she and her family had come to watch the Thanksgiving storm and thought the parade would be "a fun addition" to their vacation.

They were among the thousands who lined Broadway for the event.

T.J. and Cheryl Jeffery came to the parade to Seaside from their home in Bellingham, Washington, "just for the joy of it," they said. T.J. has been coming to the parade for almost 20 years, and Cheryl even longer.

Locals enjoy

For locals, it's a chance to come out and catch up with old friends.

"Usually in the winter, I've been hibernating," City Councilor Seth Morrisey said, accompanied by family members. "I'm looking for some excitement."

Seaside's Amy and Clay Baughman brought their daughter Brooklyn to her first parade. She was among those waiting for a visit with Santa.

Kathy Luginbuhl of Gearhart said she hadn't been to the parade in years. "I used to come, then my kids grew up," Luginbuhl said. "Then

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ABOVE: Seaside High School students were the grand marshals of the parade in honor of the passage of the school's bond to move schools out of the tsunami inundation zone. LEFT: This classic was among the nearly 30 vehicles participating in the parade.



State parks team gets local tour

Cannon Beach puts its history on display

By LYRA FONTAINE
The Daily Astorian

CANNON BEACH — State parks staff and seven parks commissioners met in Cannon Beach to discuss state lands, forestry projects, the upcoming 50th anniversary of the Beach Bill and more at the Oregon Parks and Recreation Commission's mid-November meeting.

Longtime Cannon Beach resident Robin Risley is the west of the Coast Range commissioner. With her term ending in March, she said it has been "a joy" serving on the commission.

Parks commissioners toured the Cannon Beach History Center and Museum and West-Bouvy log house to learn about local history with the museum's Executive Director Elaine Murdy-Trucke and archivist Liz Johnson.

At the museum, Murdy-Trucke provided an overview of the historic cannon and capstan that returned to the museum this year after about four years. The artifacts, which date back to 1846, were extensively restored at Texas A&M University. The completed cannon display will be exhibited in March.

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Scientists go big with first aquatic species map

Every river, stream in West gets a look

By KEITH RIDLER
Associated Press

BOISE, Idaho — It sounds like a big fish story: a plan to create a biodiversity map identifying thousands of aquatic species in every river and stream in the western U.S.

But scientists say they're steadily reeling in that whooper and by next summer will have the first Aquatic Environmental DNA Atlas available for the public.

Boise-based U.S. Forest Service fisheries biologist Dan Isaak is leading the project and says such a map could help with land management decisions and deciding where to spend limited money and resources.

"It's kind of the Holy Grail for biologists to know what a true biodiversity map looks like," he said. "To have that formatted digitally so you can do lots of science with it will be transformative in terms of the quality of information we'll have to conserve species."

Isaak said annual surveys could provide snapshots so scientists can see how biodi-

versity and ecosystems change over time. Because of the project's immense scale, he said, sample collecting likely will require help from many entities, including citizen scientists.

Insects to otters

The map eventually will include everything from insects to salmon to river otters. It's possible because of a new technology that can identify stream inhabitants by analyzing water samples containing DNA. The technology also can be used to identify invasive species.

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Kellie Carim/U.S. Forest Service

Michael K. Schwartz filters 5 liters of water to concentrate DNA on a filter to be analyzed at the National Genomics Center for Wildlife and Fish Conservation, on Rattlesnake Creek near Missoula, Mont. By next summer, the first Aquatic Environmental DNA Atlas will be available to the public.

