

# Couple killed by wave on Oregon Coast

Associated Press

DEPOE BAY — A wave hit two recent immigrants from China as they visited the Oregon Coast, sweeping them out into the ocean and killing them.

Miaoohan Chen, 49, and Wenjun Zhu, 41, from Lake Oswego, died on Sunday but their 10-year-old daughter was unharmed, Capt. Tim Fox of the Oregon State Police said.

The family had been picnicking near Depoe Bay when they took a trail down to rocks overlooking the ocean. A

wave washed over the rocks, engulfing the couple.

A Coast Guard helicopter and boat searched for the couple, and they were found and helicoptered from the ocean to a nearby state park. Lifesaving measures were attempted as they were driven by ambulance to a hospital, but they succumbed to their injuries.

The family immigrated in July. A state agency placed their daughter into a local foster home.

Family members were notified with the help of the Chinese Consulate. The state Department of Human Ser-

vices will be working with the families for the daughter's further placement.

So-called sneaker waves sometimes claim lives of the unwary along the coast.

Tuba Ozkan-Haller, a wave researcher at Oregon State University, recommends that when people go to the beach in Northern California, Oregon and Washington state — which because of the nature of the coastline are susceptible to sneaker waves — they study the wave action and ensure escape routes aren't blocked by rocks or cliffs.

# Long-range plan for Washington ferry system calls for new vessels

Associated Press

SEATTLE — The Washington State Ferry System's long-range plan asks for five more Olympic class ferries — two to maintain the fleet and three to replace vessels due to retire.

KOMO reports that 25 million riders have traveled

among Puget Sound communities in 2017 alone.

That makes the ferry system the largest in the United States, but it's an aging fleet. Ridership is expected grow by 30 percent by 2040.

Ferry system assistant secretary Amy Scarton says they can't serve the public if they don't have new

vessels.

Over the next 20 years, 13 of the 22-vessel fleet will be eligible for retirement.

The primary challenge for state ferries, according to the draft plan, is lack of capital funding.

Implementing the plan over the next 20 years will cost \$14.2 billion.

**FIVE-DAY FORECAST FOR ASTORIA**

Tonight	Wednesday	Thursday	Friday	Saturday
52	63 50	64 52	63 49	65 49
Mostly cloudy with a couple of showers	Mostly cloudy with a couple of showers	Times of clouds and sun	Morning showers, then rain and drizzle	Partly sunny, a couple of showers possible

**ALMANAC**

Astoria through Monday.

**Temperatures**

High/Low ..... 67°/57°  
 Normal high/low ..... 69°/51°  
 Record high ..... 91° in 1922  
 Record low ..... 38° in 1970

**Precipitation**

Monday ..... 0.13"  
 Month to date ..... 0.32"  
 Normal month to date ..... 0.60"  
 Year to date ..... 36.60"  
 Normal year to date ..... 38.70"

**REGIONAL WEATHER**

Shown is tomorrow's weather. Temperatures are tonight's lows and tomorrow's highs.

Forecasts and graphics provided by AccuWeather, Inc. ©2018

**SUN AND MOON**

Sunset tonight ..... 7:35 p.m.  
 Sunrise Wednesday ..... 6:50 a.m.  
 Moonrise today ..... 9:00 a.m.  
 Moonset today ..... 9:02 p.m.

First Full Last New  
 Sep 16 Sep 24 Oct 2 Oct 8

**UNDER THE SKY**

Tonight's Sky: Due south after sunset is Sagittarius, the Teapot.

Source: Jim Todd, OMS

**TOMORROW'S TIDES**

Astoria / Port Docks

Time	High	Time	Low
3:43 a.m.	8.3 ft.	9:57 a.m.	-0.3 ft.
4:04 p.m.	8.6 ft.	10:29 p.m.	-0.3 ft.

**NATIONAL CITIES**

City	Today	Wed.
Atlanta	87 72 c	88 73 t
Boston	82 67 r	72 64 c
Chicago	77 58 s	80 61 s
Denver	91 61 s	93 59 s
Des Moines	81 61 s	81 62 s
Detroit	75 57 pc	77 61 pc
El Paso	92 68 s	95 68 s
Fairbanks	60 45 s	57 43 c
Honolulu	89 76 sh	83 77 r
Indianapolis	75 58 pc	75 60 pc
Kansas City	81 59 s	80 63 s
Las Vegas	103 75 s	99 74 s
Los Angeles	82 63 pc	81 63 pc
Memphis	79 65 pc	82 67 c
Miami	89 77 t	89 77 t
Nashville	77 62 pc	84 65 pc
New Orleans	86 77 t	89 78 t
New York	81 71 t	80 70 t
Oklahoma City	80 64 pc	79 68 pc
Philadelphia	82 72 t	84 71 t
St. Louis	81 62 s	81 61 pc
Salt Lake City	88 62 s	85 60 s
San Francisco	68 54 pc	66 54 pc
Seattle	65 54 sh	65 53 sh
Washington, DC	82 71 c	85 73 t

**REGIONAL CITIES**

City	Today	Wed.
Baker City	70 39 pc	69 38 sh
Bend	66 37 pc	64 39 pc
Brookings	63 48 pc	60 48 pc
Eugene	70 50 sh	68 49 sh
Ilwaco	63 54 sh	62 52 sh
Klamath Falls	69 31 s	65 34 pc
Medford	75 49 pc	72 48 pc
Newberg	68 50 sh	67 50 sh
Newport	61 51 sh	60 49 sh
North Bend	65 52 pc	64 51 sh
Olympia	65 47 sh	64 45 c
Pendleton	72 48 pc	71 48 pc
Portland	67 55 sh	68 53 sh
Roseburg	72 52 pc	69 48 sh
Salem	68 51 sh	67 49 sh
Seaside	64 53 sh	63 51 sh
Spokane	66 46 pc	66 44 pc
Springfield	70 51 sh	69 49 sh
Vancouver	66 53 sh	67 52 sh
Yakima	72 42 pc	71 41 pc

**TOMORROW'S NATIONAL WEATHER**

Shown are noon positions of weather systems and precipitation. Temperature bands are highs for the day.

Weather (W): s-sunny, pc-partly cloudy, c-cloudy, sh-showers, t-thunderstorms, r-rain, sf-snow flurries, sn-snow, i-ice.

# Study: Wildfire smoke could cause more deaths

New research into risks

By ERIN ROSS  
Oregon Public Broadcasting

Deaths related to air pollution from wildfires could double by the end of the century, according to newly published research into the links between climate change, wildfires and human health.

The study, published Monday in the journal GeoHealth, looked at a type of pollutants called PM2.5, which can be produced by cars, industrial sources and fires. In the U.S., about 140,000 premature deaths per year (roughly 6 percent of all deaths) are linked to PM2.5. Of those deaths, about 17,000 are linked to wildfires. By the end of the century, that number could increase to as many as 44,000 deaths related to wildfire smoke.

"Overall, we're expecting that wildfire pollution is going to be a larger portion of the health burden," says Bonne Ford, an atmospheric scientist at Colorado State University and an author on the study.

PM 2.5 are just particulates in the air that are 2.5 microns in size, which is extremely small. The particles' small size allows them to get deeper into the lungs than other larger pollutants, where they can cause short-term and long-term health problems. In this study,

the researchers looked at the amounts of PM 2.5 under two different climate change scenarios: a middle-of-the-road one and a worst-case one. Then, they modeled how the interactions of climate, land use and population changes would change PM 2.5 concentrations. It is one of the first studies to take all three factors into account.

Even in the middle-of-the-road emissions scenarios, by 2100, fire-related pollution would account for more than half of the PM 2.5 over the U.S. each year.

Many of the areas with the largest increase in PM 2.5 don't come as a surprise: the Northwest and California, for example, are already experiencing larger, more frequent fires. But this model also showed increases in pollution over the Great Lakes and other areas. That's because smoke from fires on the West Coast, in Canada and in Alaska can drift in the jet stream, spreading pollution far beyond where it started.

The study looked at deaths related to long-term exposure to PM 2.5, but not smoke's effects on illnesses. Inhaler refills and hospitalizations for respiratory illnesses go up when the air is smoky. Babies born during smoky years have a lower birth weight. Right now, Ford says, researchers also don't know which is worse: long-term exposure to a

little bit of pollution, or short-term exposure to a lot of pollution. The future might hold a shift from one to the other.

There are some steps that can be taken to decrease the risk of deaths from wildfire smoke, Ford says. The most obvious is to mitigate the effects of climate change. Their research showed large differences between the amount of smoke produced in middle-of-the-road warming versus worst-case scenarios. It's also important to stay inside when it's smoky and to make sure air conditioners have functioning filters.

There is some good news. PM 2.5 doesn't just come from fire smoke: it's produced by a lot of sources, like cars and industry. And those have been getting cleaner over the past century. Overall, total deaths related to PM 2.5 are expected to decline in the U.S., particularly in areas that are already heavily polluted like the Ohio River Valley.

But in places like the Northwest, where wildfires are becoming larger and more frequent, overall deaths will rise. It's becoming normal to wake up with a scratchy throat and a post-apocalyptic smoky orange sky.

"We're trained from an early age to smell fire and know that it's a danger. It's becoming a normal smell," Ford says. "It shouldn't be something that you get used to."

## DEATHS

**Sept. 11, 2018**  
**CAMPBELL**, Bradley K., 59, of Hammond, died in Astoria. Caldwell's Luce-Layton Mortuary of Astoria is in charge of the arrangements.

**Sept. 10, 2018**  
**MILLER**, Ronald Gary, 80, of Astoria, died in Astoria. Caldwell's Luce-Layton Mortuary of Astoria is in charge of the arrangements.

**Sept. 10, 2018**  
**SPARKS**, Donald Robert, 64, of Astoria, died in Astoria. Ocean View Funeral & Cremation Service is in charge of the arrangements.

## ON THE RECORD

**Assault**

- At 10:09 p.m. Monday, Jose Peon-Segundo, 29, of Seaside, was arrested by Seaside police on the 220 block of North Downing Street and charged with fourth-degree assault and harassment. He allegedly slapped a woman during a domestic dispute.
- At 6:26 p.m. Saturday, Moses Benjamin Keithley, 23, of Astoria, was arrested by Astoria police on the 1240 block of West Marine Drive

and charged with two counts of fourth-degree assault, two counts of harassment, second-degree criminal mischief, second-degree disorderly conduct and resisting arrest. Police reported seeing Keithley and another man fighting on the ground. Keithley allegedly threw punches at the man, causing his mouth to bleed heavily. An elderly female also sustained a cut on her chin during the incident. When an officer attempted to arrest

Keithley, he allegedly fled. After being taken into custody soon after, Keithley allegedly repeatedly banged his head inside the police car, kicked a door and spit on the seat.

**DUII**

- At 12:47 a.m. Saturday, Jeffrey Don Benthin, 23, of Astoria, was arrested by Astoria police near the East Mooring Basin and charged with driving under the influence of intoxicants. His blood alcohol content was 0.14 percent.

## PUBLIC MEETINGS

**TUESDAY**  
**Seaside City Council**, 2 p.m., special meeting to discuss fireworks, City Hall, 989 Broadway.  
**Seaside School District Citizen Oversight Committee**, 3 p.m., 1801 S. Franklin, Seaside.  
**Warrenton City Commission**, 6 p.m., City Hall, 225 S. Main Ave.  
**Lewis & Clark Fire Department Board**, 7 p.m., main fire station, 34571 Highway 101

**Business.**  
**WEDNESDAY**  
**Astoria City Council**, 9 a.m., work session on plastic bag ban, City Hall, 1095 Duane St.  
**Clatsop Soil and Water Conservation District Board**, 10 a.m., Room 207, Astoria Post Office, 750 Commercial St.  
**Clatsop County Board of Commissioners**, 6 p.m., Judge Guy Boyington Building, 857

**Commercial St.**  
**Astoria School Board**, 6:15 p.m., study session, 7:30 p.m., regular meeting, Capt. Robert Gray School third-floor boardroom, 785 Alameda Ave.  
**Wickiup Water District Board**, 6:30 p.m., 92648 Svensen Market Road, Svensen.  
**Warrenton-Hammond School Board**, 7 p.m., Warrenton High School library, 1700 S. Main Ave.

## LOTTERIES

**OREGON**  
**Monday's Pick 4:**  
**1 p.m.:** 3-2-2-9  
**4 p.m.:** 7-4-2-6  
**7 p.m.:** 1-6-0-9  
**10 p.m.:** 6-2-8-8  
**Monday's Lucky Lines:** 4-7-10-14-17-23-25-30

Estimated jackpot: \$22,000  
**Monday's Megabucks:** 15-16-17-19-36-45  
 Estimated jackpot: \$6.9 million

Estimated jackpot: \$100,000  
**Monday's Keno:** 05-06-12-22-23-29-38-41-44-55-56-58-60-62-64-69-73-76-79-80  
**Monday's Lotto:** 01-07-09-23-31-46  
 Estimated jackpot: \$2.7 million  
**Monday's Match 4:** 10-17-22-24

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Obituaries may be edited for spelling, proper punctuation and style. Death notices and upcoming services will be published at no charge. Notices must be submitted by 9 a.m. the day of publication.

Obituaries and notices may be submitted online at [www.dailyastorian.com/forms/obits](http://www.dailyastorian.com/forms/obits), by email at [ewilson@dailyastorian.com](mailto:ewilson@dailyastorian.com), placed via the funeral home or in person at The Daily Astorian office, 949 Exchange St. in Astoria. For more information, call 503-325-3211, ext. 257.

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