

Nifty Tidbits:

by Chuck Rigby

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The cold Humboldt or Peru Current moves northward along the western edge of Chile and Peru in the southern Pacific Ocean. As the current approaches the equator it combines with the westward moving Equatorial Current and leaves the continent of South America. These two major currents flowing away from the edge of the continent causes a major upwelling of water from the ocean floor. The upwelling water contains a lot of nutrients that have settled to the bottom and the effect is similar to adding fertilizer to a lawn or garden. The microscopic algae, phytoplankton, begin to grow rapidly and this allows the rapid growth of the microscopic animals or zooplankton. The next step in the food chain, fish, then grow in large

numbers which is what the human population of that area depends on. One of the main fishing centers of the world has been the offshore waters near Peru. Every few years, for reasons still not clear to scientists, the Humboldt Current moves farther out in the ocean, the upwelling does not take place, and the fishing is greatly reduced. This usually happens near the beginning of their summer and south of the equator this is near the end of December, about Christmas time. This change in current's pattern was given the name El Nino, meaning the Baby Jesus, because of the timing of its occurrence. In recent years scientists have identified similar shifts in ocean currents in other parts of the world. The terms El Nino and La Nina are now being used world wide to show significant changes in the climate pattern. This is a direct

result of the effect ocean currents have on climate on land. La Nina is used when the shift is opposite to the El Nino shift but still different than the normal for a particular region. The Humboldt Current was named to honor Alexander von Humboldt due to his scientific studies of the current from 1793 - 1804. During this time he also traveled over much of South America and Mexico. In addition to currents he studied volcanoes, birds, mineralogy, climate, earth's magnetism, and astronomy. He became famous world wide for his writings on these subjects and his collections. Humboldt never visited North America but his work affected many people in the United States. John C. Fremont named a river in northern Nevada the Humboldt River which river and valley became the major pathway thousands of

settlers and gold-seekers used to flow into California in 1849 and through the 1850's. The crew of the ship Laura Virginia found a bay in 1850, south of Crescent City. They named it Humboldt Bay in honor of Alexander von Humboldt. Humboldt County, Humboldt College, and Humboldt National Forest were all named because of the bay near by which is the location of Eureka, California. Humboldt, born Sept. 14, 1769 in Berlin, Germany, laid the foundation for many branches of science such as: climatology, oceanography, plant geography, geomorphology, and vulcanology. He also served as an ambassador for Germany and was sent on several diplomatic missions to European courts. His life and accomplishments, like many others, continue to be in the background but are a vital part of our way of life today.

Oregon FBI tech segment: Building a digital defense against dating scams targeting the LGBTQ+ community

Welcome to the Oregon FBI's Tech Tuesday segment. Today: Building a digital defense against dating scams targeting the LGBTQ+ community. Last week, we talked about romance scams where the bad actor tries to get online dates to invest in fake cryptocurrency opportunities. This week, a warning from our partners at the Federal Trade Commission (FTC) about people being targeted on dating apps that cater to the LGBTQ+ community. These aren't your typical I-love-you, please-send-money romance scams. They are extortion scams. They usually work something like this: a scammer poses as a potential romantic partner, chats with the victim, quickly sends explicit photos, and asks for similar photos in return. If the victim sends photos, the blackmail begins. The extortionist threatens

to share your conversation and photos with your friends, family, or employer unless you pay — usually by gift card. To make their threats more credible, these scammers will tell you the names of exactly who they plan to contact if you don't pay up. This is information scammers can easily find online by using your phone number or your social media profile. Some of these bad actors threaten people who are not yet fully out as LGBTQ+. They may pressure you to pay up or be outed, claiming they'll "ruin your life" by exposing explicit photos or conversations. Whatever their angle, they're after one thing — your money. If you're looking for love on dating apps, here are some ways to avoid these scams: Check out who you're talking to. Do a reverse image search of the person's profile picture to see if it's associated with

another name or with details that don't match up. Those are signs of a scam. Don't share personal information with someone you just met on a dating app. That includes your cell phone number, email address, and social media profiles. Don't pay scammers to destroy photos or conversations. There's no guarantee they'll do it, and you will definitely lose your money. In fact, the FBI advises against paying extortion demands, which could support criminal activity. Remember that, once you share photos,

you can't take them back. Are you under 25 and looking to connect with a counselor at an LGBTQ+ organization about what happened? Reach out to The Trevor Project. They have free counselors, available 24/7, who can talk to you through their

phone, chat, and text services. As always, if you are the victim of this online extortion scam, you should also report the incident to the FBI's Internet Crime Complaint Center at www.ic3.gov or call your FBI local office.

TECH TUESDAY: LGBTQ+ Romance Scams

- Research your new "love." Do a reverse image search to check whether the photo is real.
- Don't share personal info with someone you just met online.
- Don't pay to remove photos. It likely won't happen & you will lose money.
- Report online crimes to www.ic3.gov.

 **FBI** FEDERAL BUREAU OF INVESTIGATION

Portland Field Office

Today in History: The Associated Press

Today is Wednesday, Oct. 13, the 286th day of 2021. There are 79 days left in the year.

Today's Highlight in History:

On Oct. 13, 1792, the cornerstone of the executive mansion, later known as the White House, was laid by President George Washington during a ceremony in the District of Columbia.

On this date:

In 1775, the United States Navy had its origins as the Continental Congress ordered the construction of a naval fleet.

In 1845, Texas voters ratified a state constitution.

In 1943, Italy declared war on Germany, its one-time Axis partner.

In 1944, during World War II, American troops entered Aachen (AH'-kehn), Germany.

In 1960, John F. Kennedy and Richard Nixon held the third televised debate of their presidential campaign (Nixon was in Los Angeles, Kennedy in New York).

In 1972, a Uruguayan chartered flight carrying 45 people crashed in the Andes; survivors resorted to feeding off the remains of some of the dead in order to stay alive until they were rescued

more than two months later.

In 1974, longtime television host Ed Sullivan died in New York City at age 73.

In 1999, the Senate rejected the Comprehensive Nuclear Test Ban Treaty, with 48 senators voting in favor and 51 against, far short of the 67 needed for ratification.

In 2000, South Korean President Kim Dae-jung was named winner of the Nobel Peace Prize. Longtime American communist Gus Hall died in New York at age 90.

In 2003, the U.N. Security Council approved a resolution expanding the NATO-led peacekeeping force in Afghanistan.

In 2006, The United Nations General Assembly appointed South Korean Foreign Minister Ban Ki-moon the next U.N. secretary-general. Banker Muhammad Yunus of Bangladesh won the Nobel Peace Prize for using microcredit to lift people out of poverty.

In 2010, rescuers in Chile using a missile-like escape capsule pulled 33 men one by one to fresh air and freedom 69 days after they were trapped in a collapsed mine a half-mile underground.

Ten years ago: Raj

Rajaratnam (rahj rah-juh-RUHT'-nuhm), the hedge fund billionaire at the center of one of the biggest insider-trading cases in U.S. history, was sentenced by a federal judge in New York to 11 years behind bars.

Five years ago:

Donald Trump heatedly rejected the growing list of sexual assault allegations against him as "pure fiction," hammering his female accusers as "horrible, horrible liars." Bob Dylan was named winner of the Nobel prize in literature. Death claimed Thailand's longtime monarch, King Bhumibol, at age 88 and Nobel Prize-winning Italian playwright Dario Fo at age 90.

One year ago:

In the first of two days of questioning by the Senate Judiciary Committee, Supreme Court nominee Amy Coney Barrett deflected Democrats' questions on abortion, health care and a possible disputed-election fight; she declined to say whether she would recuse herself from any election-related cases involving

President Donald Trump. Early voting began with long lines in Texas, one of the few places in the U.S. not allowing widespread mail balloting during the pandemic.

Today's Birthdays:

Gospel singer Shirley Caesar is 84. Actor Melinda Dillon is 82. Singer-musician Paul Simon is 80. Musician Robert Lamm (Chicago) is 77. Country singer Lacy J. Dalton is 75. Actor Demond Wilson is 75. Singer-musician Sammy Hagar is 74. Pop singer John Ford Coley is 73. Actor John Lone is 69. Model Beverly Johnson is 69. Producer-writer Chris Carter is 65. Actor and former NBA star Reggie Theus

(THEE'-us) is 64. Sen. Maria Cantwell, D-Wash., is 63. R&B singer Cherrelle is 62. Singer/TV personality Marie Osmond is 62. Rock singer Joey Belladonna is 61. Former White House press secretary Ari Fleischer is 61. NBA coach Doc Rivers is 60. Actor T'Keyah Crystal Keymah (tuh-KEE'-ah KRYES'-tal kee-MAH') is 59. College and Pro Football Hall of Famer Jerry Rice is 59. Actor Christopher Judge is 57. Actor Matt Walsh is 57. Actor Reginald Ballard is 56. Actor Kate Walsh is 54. R&B musician Jeff Allen (Mint Condition) is 53. Actor Tisha Campbell-Martin is 53. Classical singer Carlos Marin (Il Divo) is 53.

Olympic silver medal figure skater Nancy Kerrigan is 52. Country singer Rhett Akins is 52. Classical crossover singer Paul Potts is 51. TV personality Billy Bush is 50. Actor Sacha Baron Cohen is 50. R&B singers Brandon and Brian Casey (Jagged Edge) are 46. Actor Kiele Sanchez is 45. Former NBA All-Star Paul Pierce is 44. DJ Vice is 43. Singer Ashanti (ah-SHAHN'-tee) is 41. R&B singer Lumidee is 41. Christian rock singer Jon Micah Sumrall (Kutless) is 41. Olympic gold medal swimmer Ian Thorpe is 39. Rep. Alexandria Ocasio-Cortez, D-N.Y., is 32. Actor Caleb McLaughlin (TV: "Stranger Things") is 20.



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