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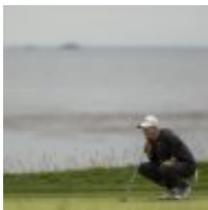
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State mulls adopting some parts of tax law
State » A5

Santa Cruz Sentinel

P.M. sun
H: 66 L: 55
PAGE B8

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SUNNY DAYS

SETTING UP FOR SUMMER



Capitola Beach goers break out the sun-block spray as temperatures pushed into the 90s along the Central Coast last week, breaking many temperature records. The first day of summer officially arrives Friday. Temperatures this week, according to the National Weather Service, are expected to hang around the low 70s with plenty of sunshine.

DAN COYRO — SANTA CRUZ SENTINEL

RECORD NUMBER

African migrants travel to US border

By Andrew Selsky and Patrick Whittle
The Associated Press

PORTLAND, MAINE » Undaunted by a dangerous journey over thousands of miles, people fleeing economic hardship and human rights abuses in African countries are coming to the U.S.-Mexico border in unprecedented numbers, surprising Border Patrol agents more accustomed to Spanish-speaking migrants.

Officials in Texas and even Maine are scrambling to absorb the sharp increase in African migrants. They are coming to America after flying across the Atlantic Ocean to South America and then embarking on an often harrowing overland journey.

In one recent week, agents in the Border Patrol's Del Rio sector stopped more than 500 African migrants found walking in separate groups along the arid land after splashing across the Rio Grande, children in tow.

That is more than double the total of 211 African migrants who were detained by the Border Patrol along the entire 2,000-mile U.S.-Mexico border in the 2018 fiscal year.

"We are continuing to see a rise in apprehensions of immigrants from countries not normally encountered in our area," said Raul Ortiz, head of the U.S. Border Patrol's Del Rio sector.

The immigrants in Texas were mostly from the Republic of the Congo, the Democratic Republic of the Congo and Angola. Cameroonians have also been traveling up through Mexico and into the U.S. in larger numbers and seeking asylum at ports of entry.

MIGRANTS » PAGE 4

UC SANTA CRUZ

Longtime professor blazes a trail for female scientists

She taught women how to defy gender norms in the male-dominated ecology field

By Helen Santoro
Special to the Santa Cruz Sentinel

Jean Langenheim's home is filled with colorful tapestries, paintings, and masks from Angola, Finland and Mexico. She sits in the midst of these mementos, pulls her reading glasses up to the bridge of her nose and starts to read a draft she wrote of her own obituary.

"Well known in the UCSC community since 1966, she also was recognized nationally and internationally as a woman trailblazer in several areas of the plant sciences and ecology," she says.

Langenheim was the first woman hired in the natural sciences department at the University of California, Santa Cruz. In 1973, she became the first female to be

promoted to a full professor. "I was as good as any boy," Langenheim says with a laugh.

Throughout her years of teaching, Langenheim pushed her female students to overcome obstacles and defy gender norms.

Today, at 94 years old, she's still working. Specifically, she is setting up a research collaboration for

young scientists between universities across the country and the Rocky Mountain Biological Laboratory, where she conducted her PhD research.

Langenheim earned that degree in 1953 — a time when women were expected to be housewives. Through her research, she discovered that plant resins — the sticky

PROFESSOR » PAGE 3

CORONA

LAPD investigates officer's actions in Costco shooting

By Stefanie Dazio
The Associated Press

LOS ANGELES » The Los Angeles Police Department is gathering evidence and video footage in an administrative investigation into an off-duty officer who shot and killed a man authorities say attacked him inside a Southern California Costco Wholesale warehouse store.

Authorities remained tight-lipped Sunday, not responding to requests for comment about what provoked the Friday night confrontation and whether anyone but the officer was armed. Two others were critically injured in the shooting in Corona, which is about 40 miles east of Los Angeles.

SHOOTING » PAGE 4

FREIGHT TRAFFIC
California strives to lower emissions

Sci-fi-like transit is one of many changes coming as California implements its planned to help reduce emissions. PAGE A2



BAY AREA
Man allegedly plotted to kill Jewish people

A man who allegedly talked about wanting to emulate the Poway shooter is in jail and facing three felony charges. PAGE A2

WOMEN'S WORLD CUP
Lloyd scores 2, US beats Chile

Carli Lloyd scored a pair of goals to lead the defending champions to a 3-0 victory over Chile. PAGE B1

SOCIAL MEDIA
Santa Cruz Sentinel videos on YouTube

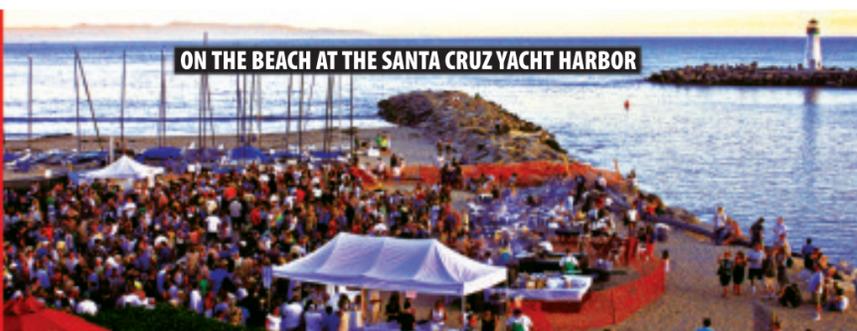
Follow the Sentinel's YouTube channel for videos from our staff. WWW.YOUTUBE.COM/USER/SANTACRUZSENTINEL

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MediaNews Group



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THE CROW'S NEST

TODAY IN HISTORY
1775

The Revolutionary War Battle of Bunker Hill resulted in a costly victory for the British, who suffered heavy losses.

1928

Amelia Earhart embarked on a trans-Atlantic flight from Newfoundland to Wales with pilots Wilmer Stultz and Louis Gordon, becoming the first woman to make the trip as a passenger.

1930

President Herbert Hoover signed the Smoot-Hawley Tariff Act, which boosted U.S. tariffs to historically high levels, prompting foreign retaliation.

1967

China successfully tested its first thermonuclear bomb.

1972

President Richard Nixon's eventual downfall began with the arrest of five burglars inside the Democratic headquarters in Washington, D.C.'s Watergate complex.

1994

After leading police on a slow-speed chase on Southern California freeways, O.J. Simpson was arrested and charged with murder in the slayings of his ex-wife, Nicole, and her friend, Ronald Goldman.

Birthdays

Singer Barry Manilow is 76. Former House Speaker Newt Gingrich is 76. Latin pop singer Paulina Rubio is 48. Tennis player Venus Williams is 39. Actor Arthur Darvill is 37. Actress Jodie Whittaker is 37. Rapper Kendrick Lamar is 32.

Star report

Curry involved in odd new TV series

Have you seen commercials for a strange new show involving Warriors superstar Stephen Curry? Curry, who executive produces the show through his company, Unanimous Media, says each "wildly designed" hole is "a test of skill, physicality and endurance."

"Holey Moley" is miniature golf on steroids. In each episode, 12 contestants take on an epic 10-hole course full of super-sized obstacles, including the daunting Mt. Holey Moley.

"It's ferocious. ... It's insane," says Jeannie Mai, a San Jose native who serves as the show's sideline correspondent. — Chuck Barney, Bay Area News Group

LOTTERY

SATURDAY'S WINNING NUMBERS
Daily 3 Afternoon: 3, 2, 1
Daily 3 Evening: 1, 1, 1
Daily 4: 1, 7, 7, 4
Fantasy 5: 4, 20, 25, 26, 27
Daily Derby
1st: 11, Money Bags
2nd: 9, Winning Spirit
3rd: 6, Whirl Win
Race Time: 1:41.81
SUPER LOTTO PLUS
Saturday's drawing: 2, 19, 28, 35, 38
Mega Number: 20
Wednesday's estimated jackpot: \$54 million
MEGA MILLIONS
Friday's drawing: 19, 40, 47, 57, 65
Mega Number: 6
Tuesday's estimated jackpot: \$50 million
POWERBALL
Saturday's drawing: 8, 11, 14, 16, 49
Powerball: 14
Wednesday's estimated jackpot: \$92 million

Professor

FROM PAGE 1

goo that some plants secrete — are produced by tropical trees, dispelling a long-held belief that resins come only from pine trees. Using her skills in ecology and chemistry, she also found that resins evolved millions of years ago to help plants defend themselves against enemies. She's now considered a founder of the field of chemical ecology — the study of chemical interactions between living organisms and their environment.

Born in 1925 in Homer, Louisiana as Jean Harmon, she soon moved with her family to Tulsa, Oklahoma. She spent her childhood exploring the tall grass prairie of the nearby Osage Indian Reservation, where she developed a curiosity about vegetation.

"My mother, really, was my inspiration," Langenheim says. "She encouraged my interest in natural history."

After graduating from the University of Tulsa, she set her sights on the University of Minnesota — home of renowned ecologist William Skinner Cooper — for graduate school.

"I was the only woman that Cooper took as a doctoral student," says Langenheim. She was also married to Ralph Langenheim, who was studying geology at the University of Minnesota. "We did our PhDs together," she says. "I was the only gal among the group of men...but didn't make a big fuss about it."

The pair traveled to the Rocky Mountains in Colorado to work on their PhD dissertations together, with Ralph mapping rocks and fossils and Jean charting vegetation.

"I love the alpine areas, particularly of the high Rockies," she says. "Heavenly days — within a hectare, we have more species in the Amazon than in the whole alpine area."

The couple then moved to the University of California, Berkeley, where Ralph took a faculty position. But the university had a no-nepotism rule, making it impossible for Langenheim to get a job. Eventually, she was offered an unpaid research associate position in the botany department.

For the next five years, she traveled from the cool shade of the redwoods to



CONTRIBUTED

Jean Langenheim was the first woman hired in the natural sciences department at the University of California, Santa Cruz. In 1973, she became the first female to be promoted to a full professor.

the stifling heat of Death Valley to study how vegetation evolved in different environments. This was Langenheim's first introduction to fossilized plants, including leaves that were up to 65 million years old.

"It was a period of intellectual ferment in the field," she says.

After a few years, Ralph fell out with the chairman of his department. He was a bright yet difficult man to work with, says Langenheim. "I was always running around trying to calm things down."

This forced them to move to the University of Illinois in Urbana. "When we were driving away, the tears were just beginning to come out of my eyes," she says. "He looked at me and said, 'It's the first time I've ever seen you really cry.'"

While making a home in the Midwest, the couple went on an expedition to Chiapas, Mexico to study fossilized plant resin, or amber. Langenheim aimed to determine which trees in the tropical region produced this fossilized goo.

For centuries, the paleontology community argued that all amber was produced by pine trees. Langenheim noticed indigenous people in Mexico were burning plant amber as incense, and that the incense smelled nothing like pine. Instead, its scent resembled that of a tropical flowering tree.

After the expedition in 1962, Langenheim got divorced. Ralph was deter-

mined to get back at the chairman. "I had my fill," Langenheim says.

One month later, she packed her belongings and moved to Boston. She had been accepted as an American Association of University Women postdoctoral fellow to work in the biological laboratories at Harvard University.

She wanted to test whether plant amber could originate from tropical trees in addition to pines. Langenheim analyzed the chemical components of amber and resin from the tropical flowering tree that she collected from Mexico. She discovered that the amber makeup was similar to that of the resin. This finding launched Langenheim's career; it led to a highly cited publication and a grant by the National Science Foundation.

After the fellowship, Langenheim traveled with plant physiologist Kenneth Thimann to the University of California, Santa Cruz. For 12 years, the two taught a course on plant and human affairs. In 1966, Langenheim was a founding fellow of the Adlai E. Stevenson College and started building her lab in the department of ecology and evolutionary biology.

"I tried to create a spirit of cooperation," she says, "Not having a family of my own, I made my graduate students into my surrogate family."

Gail Fail, a former graduate student from Langenheim's lab, remembers the atmosphere well.

"She celebrated birthdays," she says. "If two people had the same birthday...she brought them both birthday cakes. So we did the same for her."

Langenheim also "made the women in our group very aware that we were going to be competing with men for positions," Fail says. "We had to be better than anybody else."

The lab discovered that the chemicals in resins help plants defend themselves against insects and fungi — a vital evolutionary function that had never been uncovered before.

At 69 years old, after 28 years of working at UC Santa Cruz, Langenheim received the title of professor emeritus. Nine years later, she published her book "Plant Resins: Chemistry, Evolution, Ecology and Ethnobotany," which is considered the authoritative text on the subject.

"It's not just chemistry, it's not just ecology, it's not just plants — she has a way of giving a really multidimensional angle into the subject," says biochemist Jonathan Gershenzon, who was a student of Langenheim's.

Today, Langenheim still participates in UC Santa Cruz activities even though her mobility is limited and she uses a wheelchair.

"The only thing that will stop her is death," says Fail.

Until that point, Langenheim plans to keep editing the draft of her obituary. "I've just done so much," she says, "It's hard to remember it all!"

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