

Mount St. Helens coincides with quake in California

By Susan Leth
National Geographic News Service
WASHINGTON, D.C. — The same year Mount St. Helens burst back into action in Washington state, more earthquakes than usual have been shaking California.

Researchers are looking into how the events may be linked. And the findings, if confirmed, could alter geological thinking on the tremendous forces at work below the Earth's surface.

"Usually scientists say there is no demonstrable connection between Mount St. Helens and the San Andreas fault," said Dr. Robert Weson, assistant director of research at the U.S. Geological Survey. "Yet over the last 12 months there have been twice as many earthquakes greater than magnitude 5 in California than there have been in the previous six years altogether."

Links Through History
"In the last century," Weson added, "when Mount St. Helens erupted for about 25 years it stopped erupting in 1857. And that was exactly the same year that we had the last really major earthquake on the southern part of the San Andreas fault, toward Los Angeles."

More Studies Suggested
There have been few studies on this question, but Anderson, who directs the seismological laboratory, thinks there should be more. "If these long-distance correlations are significant," he said, "they will affect our thinking about the stresses causing earthquakes."

The findings, for example, might help concerning volcanic and earthquake activity over the last few centuries in the western United States and Mexico.

He found that volcanoes in the Cascade Range — site of lively Mount St. Helens — often erupted about the same time as earthquakes in Mexico. And increased earthquake activity in California and Mexico was common at those times.

Studying what records there are, Anderson found that volcanoes were active in both the Cascade and Mexico in the mid 1700s, 1795-1802, 1854-57, 1869-72, 1882-83, 1913-17, and 1941. In almost all those times, earthquake activity was high in California and northern Mexico, he said.

The Tectonic Connection
In 1857, for example, the year of Southern California's last big earthquake, not one but three volcanoes were active: Mount St. Helens, Northern California's Lassen Peak, and Mexico's Tuzigoot.

The correlations aren't always so neat. San Francisco's devastating 1906 earthquake was unaccompanied by any such volcanic outbursts. "But 1906 was the biggest year we've ever had for the number of magnitude 8 and bigger earthquakes," Anderson said. "The Altonian arc in Alaska and the Mexico Central America are both had very large earthquakes that year."

As of early August, there had been eruptions in the Cascade and a number of middle-sized earthquakes in California and

Milk price support increased to \$12.80 per hundredweight

Secretary of Agriculture Bob Bergland has announced the support price for manufacturing milk will be \$12.80 per hundredweight for the new marketing year which began Oct. 1. The announced price for milk with a milkfat content of 3.5 percent and compares with the present support of \$12.40.

The support price for milk with the U.S. annual average milkfat content of 3.27 percent will be \$13.13 compared with the present support of \$12.36.

The oldest state resort parks are Pine Mountain and Natural Bridge dating back to 1926. Jefferson Davis Monument State Shrine was completed in 1924.

Watch out for 'ghouls and ghosties'

As Halloween approaches, the state police remind motorists to watch out for "ghouls and ghosties and long-legged, bearded, and things that go bump in the night."

LA Ernest Bivens, public affairs officer for the state police, said, "The many problems and unique traffic situations that occur around Halloween require motorists to drive with a different attitude."

The trick-or-treating, parties and pranks that go on at Halloween will create new and sometimes hazardous situations for the driver, he said.

"We urge everyone to watch for children at times for trick-or-treating and to be extra cautious when driving at those times," he said. Drivers in towns and cities should be alert during those hours for children crossing the streets.

Motorists in rural areas should be especially alert for children on the road and cars stopped in front of houses. Bivens said drivers on secondary roads should slow down at hill crests and curves where pranksters may place objects in the road.

Bivens said parents should follow guidelines in newspapers concerning trick-or-treating. Parents should be more cautious and highly visible — while or fluorescent. All trunks should be checked for tampering before they are eaten.

He said adults going to costume parties should not put on masks until they reach their destination.

"If you will be drinking at the party, be sure a sober person drives you home," Bivens said. "And remember, a good driver's place is behind the wheel of a car, not in a costume."

Educational Ballot General Election, November 4, 1980 Nicholas County, Kentucky

OFFICES

1. A. A. BIVENS SHERIFF	2. A. A. BIVENS SHERIFF	3. A. A. BIVENS SHERIFF	4. A. A. BIVENS SHERIFF	5. A. A. BIVENS SHERIFF	6. A. A. BIVENS SHERIFF	7. A. A. BIVENS SHERIFF	8. A. A. BIVENS SHERIFF	9. A. A. BIVENS SHERIFF	10. A. A. BIVENS SHERIFF
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Respect For Life

Socialist Workers Party

Communist Party

Libertarian Party

Anderson Coalition

Citizens Party

STATE OF KENTUCKY COUNTY OF NICHOLAS SCT:

I, Rose Scott, Clerk of Nicholas County, Kentucky, certify that the foregoing is a true, complete and correct copy of the Official Ballot to be voted at the November General Election to be held Tuesday, November 4, 1980, and the names of the candidates above listed will be on the voting machines in the Headquarters and Barteville Precincts. Given under my hand this October 20, 1980.

Rose Scott, Nicholas County Clerk

Educational Ballot General Election, November 4, 1980 Nicholas County, Kentucky

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1. A. A. BIVENS SHERIFF	2. A. A. BIVENS SHERIFF	3. A. A. BIVENS SHERIFF	4. A. A. BIVENS SHERIFF	5. A. A. BIVENS SHERIFF	6. A. A. BIVENS SHERIFF	7. A. A. BIVENS SHERIFF	8. A. A. BIVENS SHERIFF	9. A. A. BIVENS SHERIFF	10. A. A. BIVENS SHERIFF
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I, Rose Scott, Clerk of Nicholas County, Kentucky, certify that the foregoing is a true, complete and correct copy of the Official Ballot to be voted at the November General Election to be held Tuesday, November 4, 1980, and the names of the candidates above listed will be on the voting machines in the Myers and Engine House Precincts, with only part of Engine House voting for Member Board of Education Division 4. Given under my hand this October 20, 1980.

Rose Scott, Nicholas County Clerk

Educational Ballot General Election, November 4, 1980 Nicholas County, Kentucky

OFFICES

1. A. A. BIVENS SHERIFF	2. A. A. BIVENS SHERIFF	3. A. A. BIVENS SHERIFF	4. A. A. BIVENS SHERIFF	5. A. A. BIVENS SHERIFF	6. A. A. BIVENS SHERIFF	7. A. A. BIVENS SHERIFF	8. A. A. BIVENS SHERIFF	9. A. A. BIVENS SHERIFF	10. A. A. BIVENS SHERIFF
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Rose Scott, Nicholas County Clerk



Homecoming and Hope

Bob Hope will be the highlight of the University of Kentucky Homecoming Nov. 6, 7, 8. The Bob Hope show will be held Saturday night at 8 p.m. in Memorial Coliseum. — Photo submitted.

Nicholas, a coal-impact county

More than 1.15 billion ton-miles of coal were hauled by truck on Kentucky highways last year, according to a report recently issued by the Kentucky Department of Transportation.

Nicholas County, a coal-impact county, had 303,223 ton-miles of coal hauled, 0.24 percent of ton-miles statewide, and 0.437 percent ton-miles impact county, comparative percentages as reported to the Kentucky Department of Transportation.

One ton of coal carried one mile is considered one ton-mile of coal. Consequently, five tons of coal hauled 10 miles would be 50 ton-miles of coal.

Each year the Transportation Department is required under the Local Government Economic Assistance Act to prepare a report on coal haul traffic in Kentucky. This year's report, "Kentucky's Official Coal Haul Highway System 1980," covers a reporting period from April 1, 1979, through March 31, 1980. It is one factor considered when economic assistance funds are returned to Kentucky's coal-producing and coal-impact counties.

Jackets suffer loss

on 45 carries to Nicholas' 157 yards on 39 carries.

Parts passed only twice, completing one for the touchdown, while Nicholas picked up 55 yards in the air.

The Bluejackets, whose record now stands at 2-7, celebrates its Homecoming Friday night against district rival Mayville.

Jr. High games

Monday night, Oct. 20, the Nicholas County Junior High Football team met Richmond-Madison County on home turf and proved their worth by winning 7 to 6.

Statistics are: Steve Anderson, nine carries for 56 yards; Eric McCaffrey, nine carries for 48 yards with extra point kick; Kevin Wells, six carries for 39 yards.

Terry Ledford lead in tackles with five and a block kick; next was Steve Anderson with four, and Kevin Wells, Brian Kirby and Brian Watkins with three each; Rocky Young, Mark Wade and Greg Robinson had two each; Duane Baker, one; and Nate Allison, one plus an interception.

First downs: yards rushing, Nicholas 149, Madison 116; penalties, Nicholas five, Madison five; passes attempted, three each for both teams.

The team traveled to Bath County Saturday night, Oct. 25, for the last game of the season and they came home victorious with a score of 13 to 6.

Notice
Opening Soon
Herrington's Fruit Market
Across from Shell Service Station E. Main St. Carlisle, Ky.
Selling:
Satsuma & Navel Oranges
Indian River Grapefruit

Jenn-Air The range that breathes
The Jenn-Air Q-10 Range lets you grill on all your family favorites. It's not just a range. It's a room. Because only Jenn-Air pulls smoke over and around the room, then vents it away. So you get that great smoky char flavor on your food. The powerful, exclusive Jenn-Air ventilation system keeps your kitchen clean and fresh, with no oily hood to collect grease and dust. So it's perfect for a barbecue. It's also a 100% stainless steel range that's versatile, too—in addition to grilling, you can broil, bake, roast, steam, broil, and more. Because only Jenn-Air pulls smoke over and around the room, then vents it away. So you get that great smoky char flavor on your food. The powerful, exclusive Jenn-Air ventilation system keeps your kitchen clean and fresh, with no oily hood to collect grease and dust. So it's perfect for a barbecue. It's also a 100% stainless steel range that's versatile, too—in

Garrett's Furniture
222 W. Main Street Carlisle, Ky.

Energy officials schedule seminars for Nov.

Kentucky Department of Energy officials will be participating in two solar energy seminars to be held in Eastern Kentucky in November.

The first public workshop will be held at the Ashland Community College at 7 p.m., Wednesday, Nov. 12, and at Jenny Wiley State Park in Prestonsburg at 7 p.m., Thursday, Nov. 13. The seminars are being sponsored by the Kentucky Solar Coalition, Covington, and Appalachia — Science in the Public Interest, Livingston. The two non-profit citizen's groups received a grant from the U.S. Department of Energy's Office of Conservation and Solar Applications to conduct the seminars.

"The goal of this program is to boost solar commercialization," said David Ross Stevens, director of the Kentucky Public Interest. "We know the economics are on the side of solar and energy conservation. It is just a matter of getting the word out."

Those persons interested in further information about the seminars should contact Ralph Dennis, Kentucky Department of Energy, (800) 415-0161.

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I, Rose Scott, Clerk of Nicholas County, Kentucky, certify that the foregoing is a true, complete and correct copy of the Official Ballot to be voted at the November General Election to be held Tuesday, November 4, 1980, and the names of candidates above listed will be on the voting machines in the East Union and Mathias Precincts. Given under my hand this October 20, 1980.

Rose Scott, Nicholas County Clerk

Educational Ballot General Election, November 4, 1980 Nicholas County, Kentucky

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I, Rose Scott, Clerk of Nicholas County, Kentucky, certify that the foregoing is a true, complete and correct copy of the Official Ballot to be voted at the November General Election to be held Tuesday, November 4, 1980, and the names of the candidates above listed will be on the voting machine in the City Building Precinct. Given under my hand this October 20, 1980.

Rose Scott, Nicholas County Clerk