VOLCANO PICS









iceland























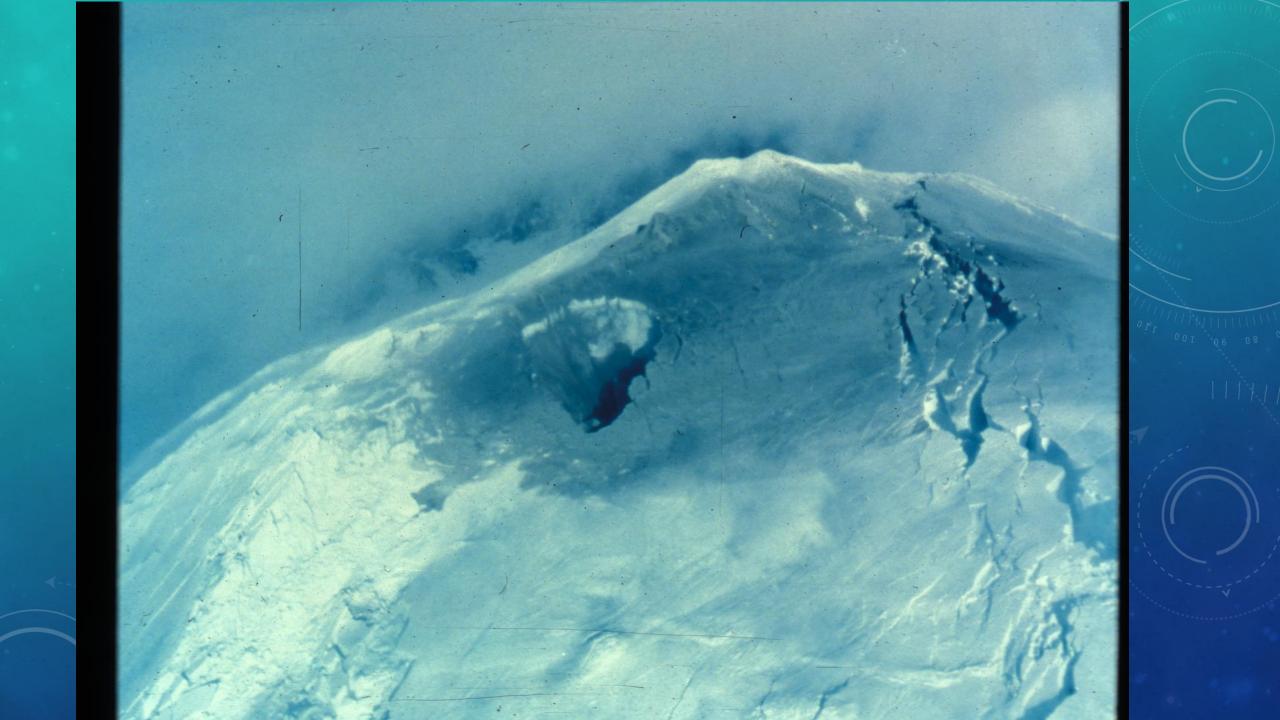


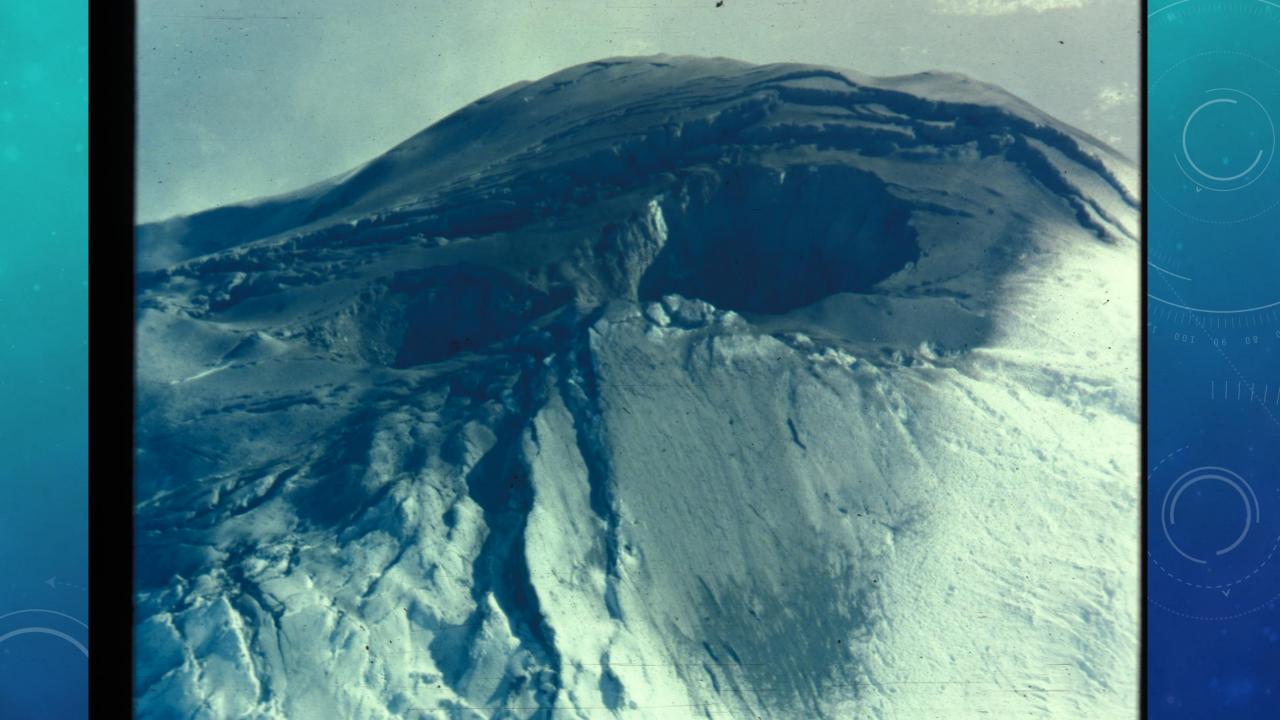


St. Helens, 1980



















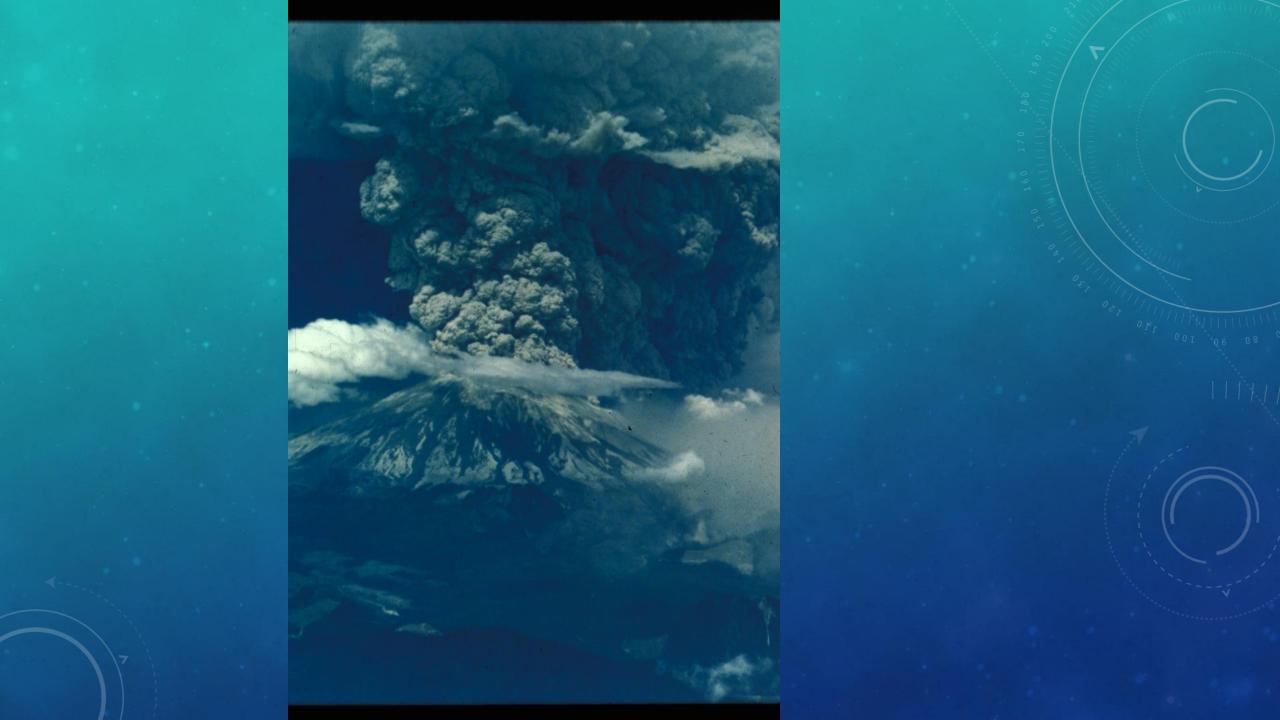




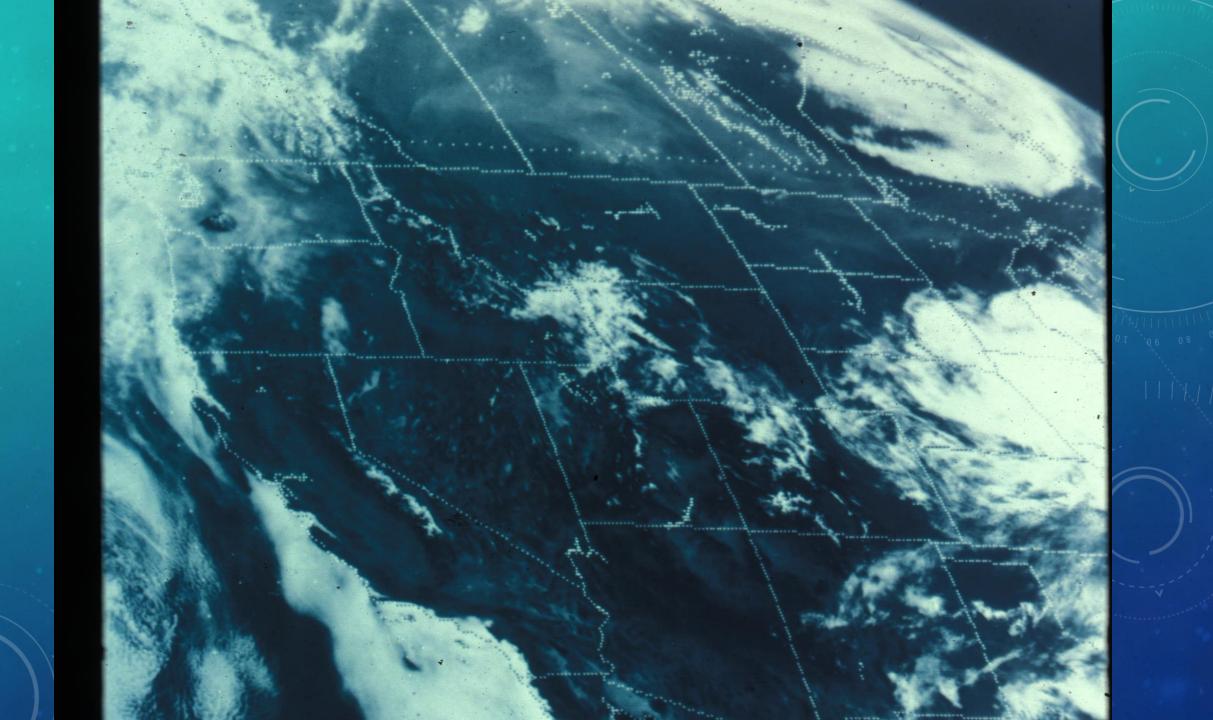


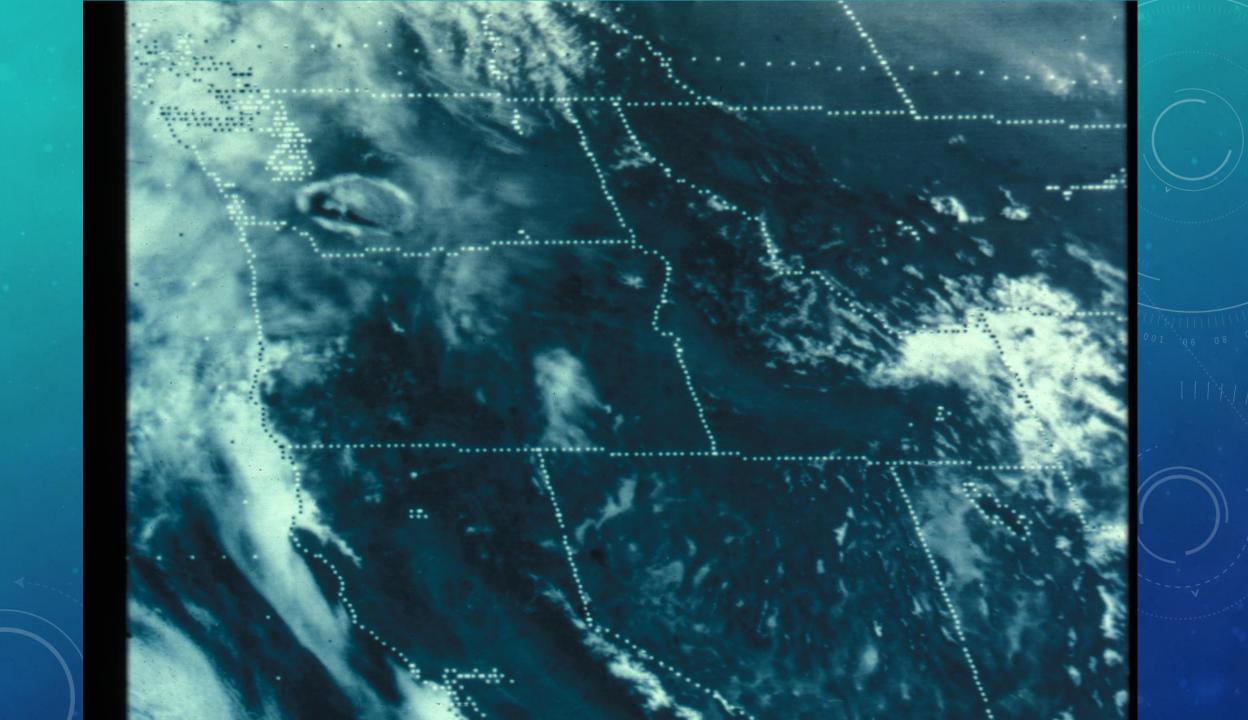


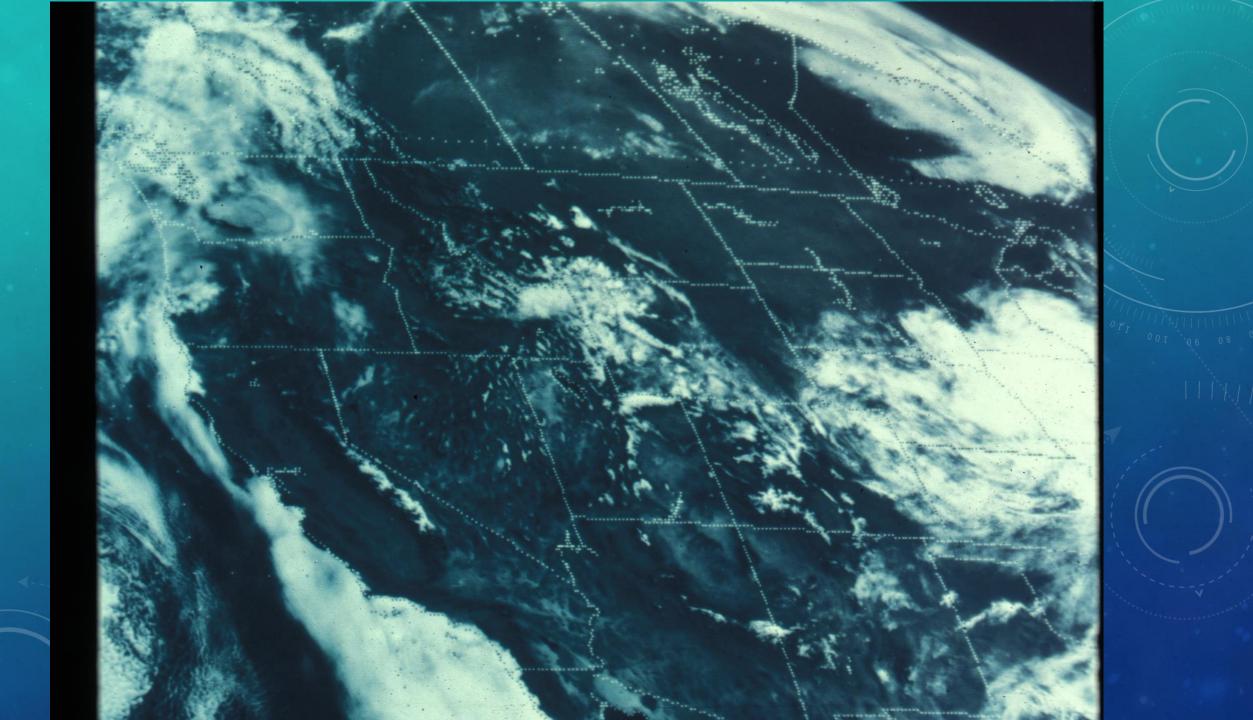


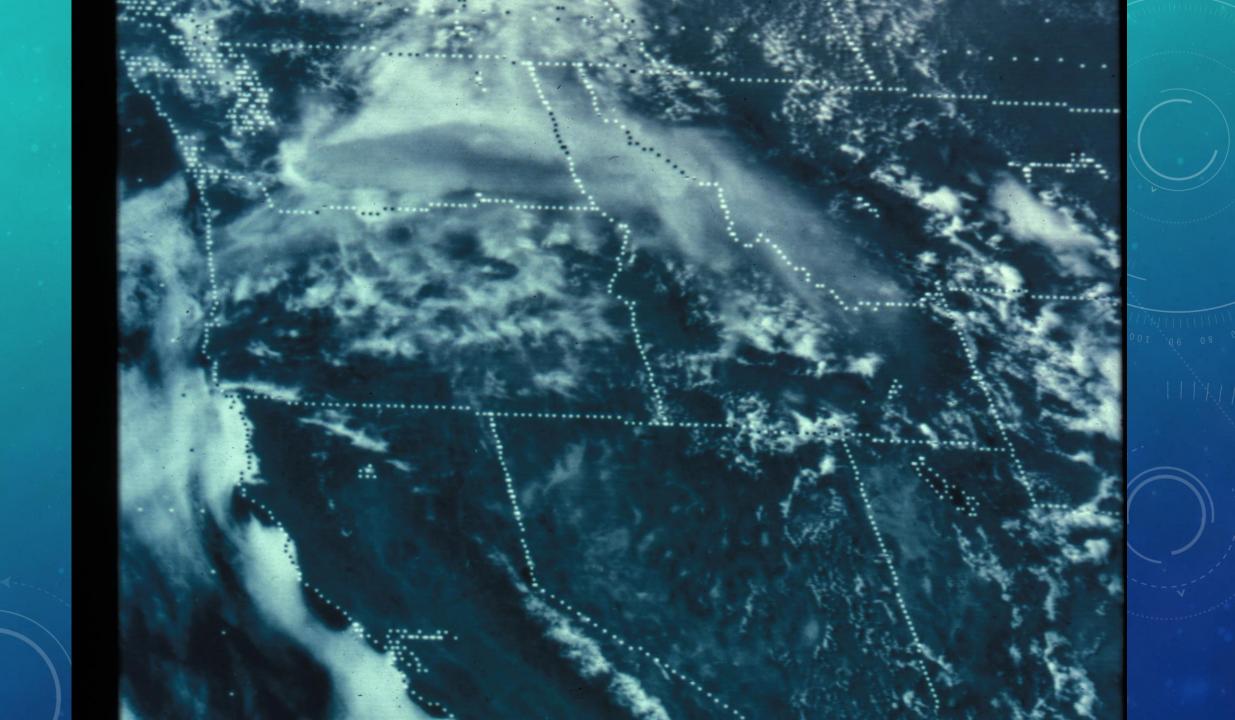




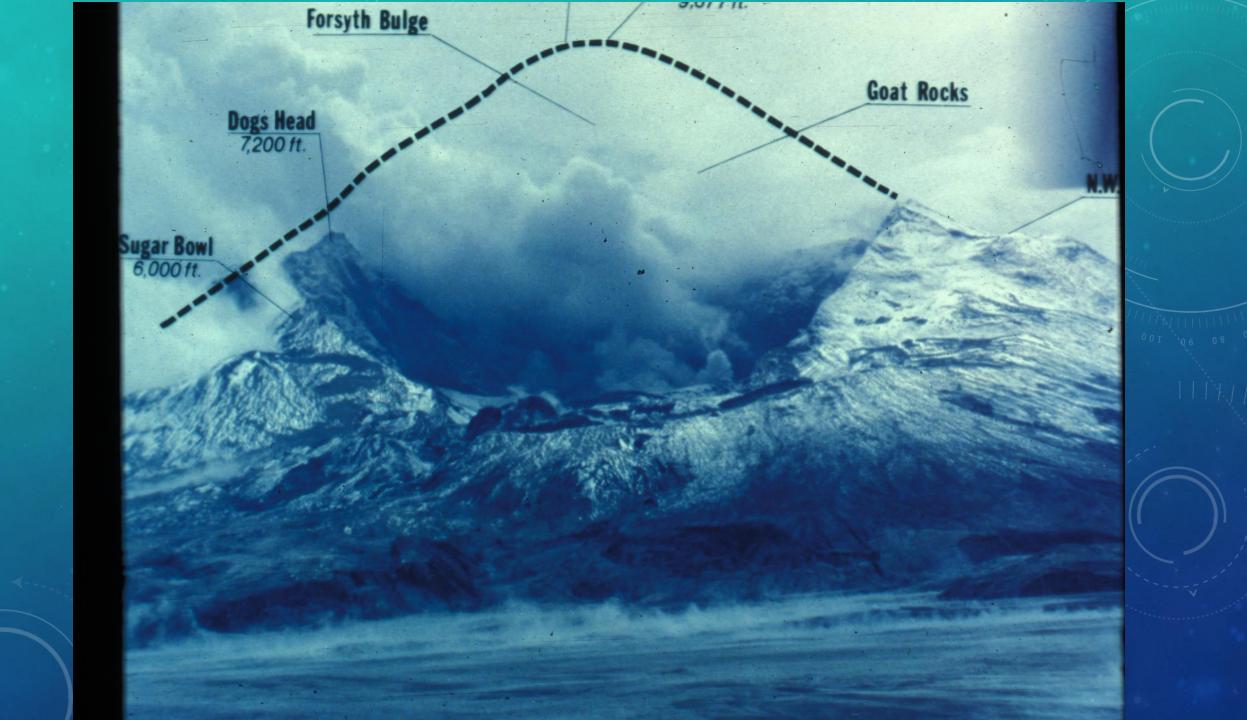
























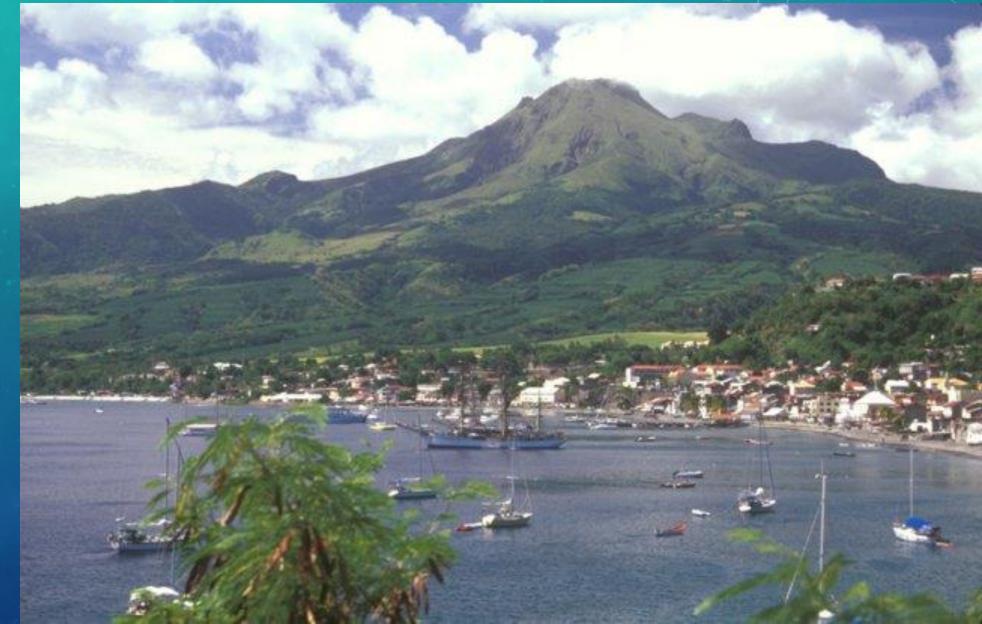






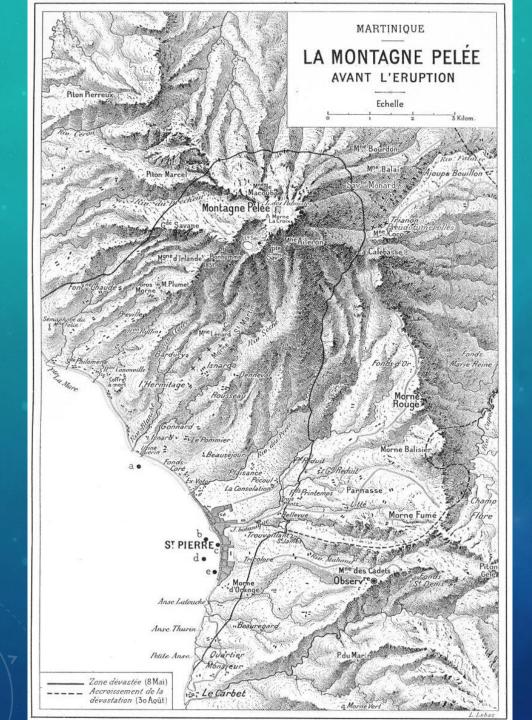


MOUNT PELEE, MARTINIQUE



1902 ERUPTION. PERHAPS THE WORST OF THE 20TH CENTURY

- Goto GE!
- 30,000 killed
- Mostly pyroclastic flows (nuee ardente) that wiped out the city of Saint-Pierre
- Only two survivors in the direct path
 - Girl in a boat in a cave
 - Dude on the edges in a jail cell.
- More than 30 eruptions in the past 5000 years
- Rumbled for a couple of weeks before really going up.









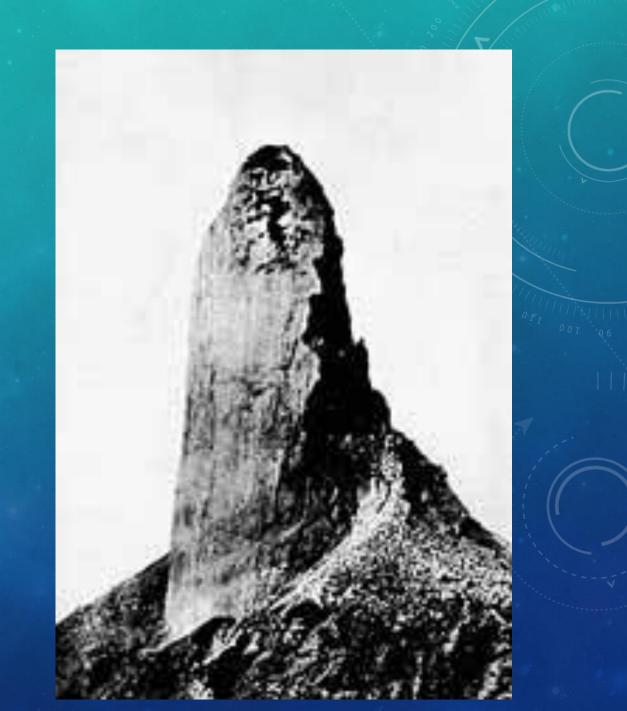
BETWEETERS OF THE STATE



ADDING INJURY TO INJURY

- 2 weeks later, a second eruption equal to the first hit.
- Killed 2000 rescuers.

Beginning in October 1902, a dramatic volcanic spine grew from the crater floor in the Étang Sec crater, reaching a maximum width of about 100 to 150 m (300 to 500 ft) and a height of about 300 m (1,000 ft). Called the "Needle of Pelée" or "Pelée's Tower", this extraordinary volcanic feature rose up to 15 m (50 ft) a day, and became twice the height of the Washington Monument and more or less the same volume as the Great Pyramid of Egypt. It became unstable and collapsed into a pile of rubble in March 1903,^[24] after 5 months of growth.



AND NOW, TO NEBRASKA!

- Ashfall Fossil Beds State Historical Park. <u>http://ashfall.unl.edu/index.html</u>
- <u>https://www.google.com/maps/place/Ashfall+Fossil+Beds+State+Historical+Park/@43.0397873,-</u> 99.9247741,6z/data=!4m2!3m1!1s0x878538218f4f35b3:0xdc034379d751cc90?hl=en

• ~12 million years ago.

Chemical analysis reveals that the volcanic ash has the same components as an extinct volcanic caldera in Idaho that geologists call the Bruneau-Jarbidge **Eruptive Center.** The ash has been dated by Uranium fission tracks, and by single crystal Argon dating of the source material.

DEAD, FOSSILIZED CRITTERS.

• 5 species of horses, 3 species of camels, one deer, 1 rhino, 3 dogs, 2 turtles, and 3 birds.





YELLOWSTONE!!!!

• GE, size of caldera.

















Crater Lake, OR. Goto GE





Volcanoes within a Volcano

A massive eruption and collapse 7,700 years ago left a deep basin in into the air, cooled quickly, and fell as cinders. A small crater rests hundred years, smaller eruptions sealed the floor, allowing rain and snowmelt to fill the basin and create Crater Lake. Wizard Island is a cinder cone formed during this time, as magma erupted change to this landscape.

EEPEST POINT

Crater Lake National Park

on its summit. Magma also erupted under water, forming smooth pillow lava. A second similar volcano, Merriam Cone, is hidden from view beneath the lake. Future eruptions may bring further

RATER

Want to visit Wizard Island? In summer, the park concession offers ranger guided board tours of the lake leaving from Cleetwood Cove on the lake's north side. Wizard Shake's north side. Wizard Shake's north side. Be prepared for a strenuous return hike.