



1980 Eruption Commemoration and 35 Years of Science Discovery

Mount St. Helens Science and Learning Center -- May 18, 2015 (10:00am – 4:00pm)

Commemoration of the 35th Anniversary – 10:30am to 11:30am

Forest Service officials and invited guests will recall the events of 35 years ago and how Mount St. Helens transformed the landscape surrounding the volcano and our understanding of geologic processes and their influence on the world around us.

Celebration of Mount St. Helens Science Discovery – Noon to 4:00pm

Join scientists and Mount St. Helens Institute staff for an exploration of three decades of science discovery. Listen as scientists describe their amazing discoveries, view posters displaying three decades of research, and learn about volcanic processes through hands-on science demonstrations. May 18th visitors will also have the opportunity to meet and interact with a remote “spider” instrument package used to monitor earthquakes, ground swelling and explosions at Mount St. Helens and other active volcanoes. At 1:30 pm, there will be an opportunity to view an eruption of the amazing “Trashcano” in the Learning Center parking lot.

Scheduled Talks:

Noon: Steve Malone, Pacific NW Seismic Network, Univ. WA—**What’s Rumbling under Mount St. Helens (1980, 2004 and present)**

12:30pm: Dan Dzurisin, USGS Cascades Volcano Observatory—**Mount St. Helens 1980: The Eruption that Changed the World**

1:00pm: Alexa Van Eaton, USGS Cascades Volcano Observatory—**The Role of Gas and its Influence on Volcanic Eruptions**

2:00pm: Eric Kiser, Rice Univ.—**iMUSH Active Source Experiment: Using Seismic Waves to Image Magma in the Earth’s Crust**

2:30pm: Adam Schultz, Oregon State Univ.—**iMUSH Electromagnetic Imaging of Magma and Deep Fluids in the Crust and Mantle**

3:00pm: Don Zobel, Oregon State Univ.—**After the Ash Falls: How Plants React to Volcanic Tephra**

3:30pm: Mike Gottlieb, UNAVCO—**Keeping the Lights On: Maintaining Remote Sensors in an Extreme Environment**

Mount St. Helens Science and Learning Center

Open Saturday and Sunday (10:00am - 6:00pm)

19000 Spirit Lake Hwy (Milepost 43.3) State Route 504, Toutle, WA 98649

DIRECTIONS: The Science and Learning Center is located on State Route 504, 43 miles east of Interstate 5. Take Exit 49 off Interstate 5 and head east on State Route 504 for 42 miles until you pass the turn-off for Johnston Ridge. Continue straight ahead a short distance past the turn-off and into the parking lot of the Science and Learning Center.