

*Friends of Hawai'i Volcanoes National Park - Hawai'i Volcanoes Institute
presents*

MONITORING KILAUEA'S VITAL SIGNS

A two-part program in Hawai'i Volcanoes National Park & Volcano Village



Saturday, August 7, 2010

8:30 am - 2:00 pm

with Dr. Ken Hon



Program

PART ONE – DEVASTATION TRAIL TO KILAUEA IKI: A TRIP THROUGH KILAUEA'S SUMMIT ERUPTIONS

This guided hike with geologist Ken Hon begins at Devastation Trail and crosses the pumice fall from the 1959 Kilauea Iki eruption, which produced the highest fountaining events on record at nearly 2000 feet. Continuing west to the rim of Kilauea caldera, we get a great view of Halema'uma'u and the current vent. There we discuss past summit eruptions and the origin of Kilauea's summit caldera. Next we follow the trail down to Byron's Ledge to examine deposits of the Keanakakoi ash, which was erupted following the formation of Kilauea caldera 500 years ago. Then we descend into Kilauea Iki crater to examine the solidified lava lake and vent for the 1959 eruption. After crossing the flow of Kilauea Iki crater, we climb out at the Thurston lava tube parking lot. If there is time and interest, we can go through the lava tube and examine features in the unlit section of the cave (bring a flashlight).

PART TWO – LUNCH AT KILAUEA LODGE AND RESTAURANT

After the field portion of the program, the group moves to Volcano's famed Kilauea Lodge and Restaurant, where Dr. Ken Han joins participants for a delicious lunch and more discussion of the morning's expedition. The Kilauea Lodge is well known for owner-chef Albert Jeyte's continental cuisine with a touch of local flavors. Wine will be provided by the Volcano Winery, including their award-winning Symphony Dry white wine and Macadamia Nut Honey dessert wine.

Presenter

Dr. Ken Hon is a Professor of Geology and chair of the Geology Department at the University of Hawai'i at Hilo, where he has taught for the past 12 years. Ken received his B.A. in Geology from the University of Colorado at Boulder and worked both in minerals exploration and for the U.S. Geological Survey prior to completing his Ph.D. in Geology at the University of Colorado at Boulder in 1987. Ken was the research volcanologist at the U.S. Geological Survey's Hawaiian Volcano Observatory from 1987 to 1990. Ocean island volcanism remains the focus of his current research but he has also conducted research on volcanoes in Russia, Arizona, Colorado, and New Mexico. His work on the rheology and emplacement of pahoehoe lava flows has changed the basic understanding of how large lava flows propagate and the timescales required for eruption of continental flood basalts. While Ken's research focus is primarily volcanism, he enjoys teaching and learning about all aspects of Earth Science.








Where to Meet

Participants provide their own transportation to Hawai'i Volcanoes National Park (exact meeting place yet to be announced). Approximate travel time to Hawai'i Volcanoes National Park from Hilo is 45 minutes and from Kailua-Kona is 2 ½ hours. Maps of the park can be found at <http://www.nps.gov/havo/planyourvisit/brochures.htm>.

Details

The experience is rated moderate, with 3 ½ to 4 miles of hiking along established trails and a final steep ascent of 400 feet. Be prepared for variable weather conditions.

Please bring:

-  flashlight
-  drinking water
-  hat
-  sunscreen
-  rain gear
-  sturdy walking shoes
-  personal items (e.g., walking stick, camera, binoculars, etc.)

Cost

This event is presented by the Hawai'i Volcanoes Institute, which is part of the Friends of Hawai'i Volcanoes National Park, a non-profit organization. Program cost is \$50 for Friends members and \$65 for non-members. Snacks and lunch are included in the tuition. Non-members are welcome to join the Friends in order to get the member price.

Registration

To register, visit www.fhvn.org, email admin@fhvn.org, or call 985-7373. The office is only staffed part-time, so be sure to leave a message, and your call should be returned within a day or two. Your registration is confirmed when you pay by credit card over the phone or online, or when we receive a check payable to: Friends of Hawai'i Volcanoes National Park (FHVNP), P.O. Box 653, Volcano, HI 96785.

Cancellation Policy

The Friends of Hawai'i Volcanoes National Park will gladly refund your full amount up to 7 days prior to the day of the event. Between 2 to 6 days, 50% of the cost of the event will be refunded. If cancellation is within 48 hours of the start of the event, 0% will be refunded. All proceeds help support Hawai'i Volcanoes National Park.

This program is supported in part by a grant from the County of Hawai'i Department of Research and Development and the Hawai'i Tourism Authority.

