



“After Dark in the Park” Talks presented by HVO scientists



Kīlauea Visitor Center Auditorium ▪ 7:00 p.m.
Hawai‘i Volcanoes National Park

(Park entrance fees apply. Park also requests a \$1 donation for the program.)
For more information, call (808) 985-6014 or 985-6011.

Tuesday, January 11

What’s happening in Halema‘uma‘u Crater?

In March 2008, a new volcanic vent opened in Halema‘uma‘u Crater at the summit of Kīlauea. Since then, the eruption has consisted of continuous degassing, occasional explosive events, ongoing ash emissions, and fluctuating lava pond activity in an open vent that has now grown to more than 430 feet wide. While the eruption fascinates visitors, it also provides an abundance of data and insights for scientists. USGS Hawaiian Volcano Observatory geologist **Matt Patrick** will present an overview of Kīlauea’s summit eruption, including an in-depth survey of volcanic processes occurring within the vent.

Tuesday, January 18

Kīlauea Volcano's East Rift Eruption: 28 Years and Counting

Kīlauea’s prodigious east rift zone eruption marks its 28th anniversary on January 3, 2011. During its early years, spectacular lava fountains spewed episodically from the Pu‘u ‘Ō‘ō vent. Since then, more than two decades of continuous lava effusion has built a vast plain of pāhoehoe that stretches from the rift zone to the sea. This past year, the eruption has been *déjà vu* with lava flows once again threatening the Kalapana area. Geologist **Tim Orr**, USGS Hawaiian Volcano Observatory, will review highlights from the ongoing eruption and reveal the latest developments on Kīlauea’s east rift zone.

Tuesday, January 25

Frank Perret: The man who set the stage for HVO’s work today

Fresh from volcanic eruptions in the Canary Islands and Italy, volcanologist Frank A. Perret came to Hawai‘i in 1911 at the request of Thomas A. Jaggar. After raising funds to establish a scientific observatory at Kīlauea Volcano in 1909, Jaggar himself was unable to immediately relocate to Hawai‘i. Although Jaggar is credited with founding the Hawaiian Volcano Observatory in 1912, it was Perret who, in 1911, actually set the stage for the next 100 years of continuous volcano monitoring. USGS Hawaiian Volcano Observatory Scientist-in-Charge **Jim Kauahikaua** will tell the story of Frank Perret and how his early observations of Kīlauea’s lava lakes and fountains are relevant to today’s summit eruption.