

Talks in Kona and Hilo presented by HVO scientists

Wednesday, January 19

**Pu'uhonua o Hōnaunau National Historical Park
Amphitheater ▪ 6:00 p.m.**

For more information, call (808) 328-2326.

Mauna Loa: How Well Do You Know the Volcano in Your Backyard?

Mauna Loa, the largest volcano on Earth, comprises more than half of the surface area of Hawai'i Island. Mapping and dating show that 95% of this active volcano is covered with lava flows less than 10,000 years old. Since 1843, it has erupted 33 times. When Mauna Loa erupts, fast-moving and voluminous lava flows can reach the sea in hours, severing roads and utilities, repaving the flanks and building new land. The growth of Mauna Loa is far from complete as this huge volcano will undoubtedly erupt again. Join USGS Hawaiian Volcano Observatory volcanologist **Frank Trusdell** as he talks about Mauna Loa's eruptive history and current status.

Thursday, January 27

**Konawaena High School Cafeteria
Kealahou ▪ 7:00 p.m.**

For more information, call (808) 967-8844.

Kīlauea's Volcanic Gases and Their Environmental Impact

As magma rises from the Earth's mantle to the surface, volcanic gases expand, driving the spectacular fountains and flows of Hawai'i's celebrated volcanoes. While Kīlauea's current eruption produces enough lava to fill a football stadium every week, it also releases huge amounts of volcanic gases, which affect our island environment. **Jeff Sutton and Tamar Elias**, USGS Hawaiian Volcano Observatory geochemists, offer an update about volcanic gases, especially those related to the 2008-2010 activity at Halema'uma'u Crater. Learn about volcanic pollution (vog)—how it forms and ways to deal with this unpleasant aspect of Kīlauea's current eruptions. BYON (Bring Your Own Nose) to the ever-popular "gas tasting" party where you can learn to identify volcanic gases by smell.

Monday, January 31

Lyman Museum in Hilo ▪ 7:00 p.m.

(Museum Members, Free; Nonmembers, \$3)

For more information, call (808) 935-5021.

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