

Hawai'i Volcanoes Institute presents

# **PARK PLANTS: From the Biggest to the Smallest**

**Wednesday, November 11<sup>th</sup>, 2009**

**9:30 a.m. - 3:30 p.m.**

## **Program**

Spend a day with expert botanist Tim Tunison exploring the plant life of two of the most botanically rich environments in Hawai'i Volcanoes National Park: the lush rain forest of 'Ola'a and the drier forest of Kipukapuau. Study all the plant groups that the park has to offer, from the smallest moss, the most delicate lichen, and the most otherworldly-looking fungus to the largest flowering plants—'ohi'a, koa, and manele trees.

The day starts with a brief PowerPoint lecture introducing the plant kingdom, to help you understand the context for plant life and the geology and ecology of these two outdoor forest classrooms. Then learn to identify the dominant species of these communities, along with unusual and rare species. After that, explore the rich variety of the often overlooked plant groups—ferns and fern allies, mosses and liverworts, lichens, and fungi—plus learn how to distinguish these groups from each other.

By the end of the day, you'll be able to walk up to a fallen log or tree trunk coated with plants and identify each as either a fungus, lichen, moss, or liverwort; identify the functions of different plant parts; and understand these plants' roles in the ecology of the forest.

## **Presenter**









Tim Tunison worked for 23 years as a botanist/vegetation management specialist and as Chief of Resource Management at Hawai'i Volcanoes National Park. Since retirement he has been teaching courses in native plant identification, propagation, and restoration. He is delighted to live in the rain forest summit area of Kilauea.

## **Details**

The experience is rated easy to moderate. The hikes are slow-paced and total about 1 ¼ miles, mostly on park trails. Be prepared for variable weather conditions.

*(continued on next page)*

Please bring:

-  a hand lens or magnifying glass
-  drinking water
-  packed lunch
-  hat
-  sunscreen
-  rain gear
-  sturdy walking shoes
-  personal items (e.g., walking stick, camera, etc.)

*\*\*\*If Vog conditions are extreme on the day of the event, the program may be rescheduled.\*\*\**

## **Cost**

This event is presented by the Hawai'i Volcanoes Institute, a program of the Friends of Hawai'i Volcanoes National Park, a non-profit organization. Program cost is \$40 for Friends members and \$55 for non-members. (\$20 and \$30, respectively, are tax deductible.)

## **Registration**

To register, visit [www.fhvn.org](http://www.fhvn.org), email [admin@fhvn.org](mailto: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 and are tax deductible.

*This event is supported in part by a grant from the Hawai'i Tourism Authority's County Project Enrichment Program.*

