

Friends of Hawai'i Volcanoes National Park

Annual Meeting at Volcano House



At the Friends annual meeting, members get a rare behind-the-scenes experience in the Volcano House, which has been closed for renovations since 2009. See the gutted lobby and other public areas, new roof and exterior paint job, and seismic and fire safety improvements. The meeting takes place in the koa bar, with a panoramic view of Kīlauea

Caldera and the vent at Halema'uma'u Crater. Park entrance fees apply.

Join us on Saturday, September 10 at 11 a.m. for an exciting day of meet and greet, the board of directors election (for slate of candidates, see page 8), and your choice of three special guided tours (listed below).

Enjoy a light luncheon by Conard Eyre, the Green Goose Gourmet, featuring salmon caesar salad, curried rice pilaf, frittata squares, nicoise salad, spiced hummus with bread, fruit medley, desserts, and iced tea.

If your membership has expired, we invite you to renew upon check-in. And feel free to bring a friend to join—new members are always welcome!



So we can have an accurate count for the catered lunch, make sure to RSVP no later than Monday, September 5.

KEYNOTE SPEAKER: DON SWANSON

Dr. Don Swanson, a senior geologist with the U.S. Geological Survey's Hawaiian Volcano Observatory, will summarize the current state of activity at the summit and along the east rift zone. He will describe the history and development of the caldera and its relation to Hawaiian oral history. Don will then present results of a new study suggesting a cyclic



pattern in Kīlauea's behavior, alternating between Type 1 (a mostly full caldera and plenty of lava flows on the rift zones) and Type 2 (a deep caldera and episodic explosive eruptions with few lava flows). Each style of activity lasts several hundred years. Kīlauea has been in a Type 1 style for 200 years, but Type 2 has dominated 60% of the time for the past 2,500 years. Be the first to hear Don talk about the cyclic behavior and its ramifications!

MEMBERS-ONLY TOURS (1-2 HOURS)

Explore the Volcano House with Walt Poole

"We will walk through the entire Volcano House building. I will talk about past concessionaires and what we expect of future ones. I will explain how the National Park Service goes about choosing a new concessionaire, from prospect development to a regional panel decision."

'Iliahi Trail (Sandalwood Trail) with Dean Gallagher

"Join me for a 1.5 mile walk on a loop trail along the rim of Kilauea caldera, through the rain forest and past steam vents. There are several interesting plant species, native birds are often seen from above the canopy, and there are remnant 'iliahi (sandalwood) trees growing along the trail in a few places."

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ANNUAL MEETING

Saturday, September 10

Hawai'i Volcanoes National Park VOLCANO HOUSE

(currently closed to the general public)

11:00 AM

Check-in (join/renew membership)

11:30 AM

•Recognition of volunteers & outgoing board directors by President Pat Naughton

- •Election of board candidates
- •Chief of Interpretation Jim Gale

12:00 NOON

- •Light luncheon
- •Keynote speaker Don Swanson

1:00 PM

Members-only tours

Please RSVP by Monday, Sep. 5

Successes at the Summit with Rhonda Loh

"Get an update on Natural Resources Management's successes with removing invasive species on the summit of Kilauea. The group will walk down to the nursery to learn how we grow native Hawaiian plants for the park's ecosystems, from the coastal plain to tree line."

Friends of Hawai'i Volcanoes **National Park**

"Connecting People with the Park"

Address:

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FALL 2011 NEWSLETTER

Editor & Layout/Design: Julie Mitchell

BOARD OF DIRECTORS

President:

Patrick W. Naughton

Vice President: Natalie Pfeifer

Secretary:

Marilyn Nicholson

Treasurer:

Diana Kelley

Directors:

Nancy Chaney, Linda Clinton, Nick Shema, Ab Valencia

STAFF

General Manager:

Julie Mitchell

Clerk:

Ellen R. Quier

VOLUNTEER COORDINATOR

Cheryl Jackson

PARK PARTNERS

Park Superintendent: Cindy Orlando

Chief of Interpretation & FHVNP Park Liaison:

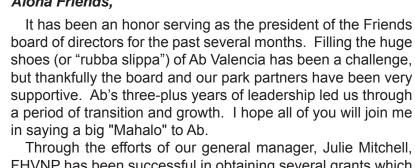
Jim Gale

OUR MISSION

To support the National Park Service in the protection, preservation, and interpretation of the natural and cultural resources at Hawai'i Volcanoes National Park for the enjoyment of current and future generations.

President's Message





Through the efforts of our general manager, Julie Mitchell, FHVNP has been successful in obtaining several grants which will move the park and the Friends forward. Although you

can read more on the grants received on page 11. I want to publicly thank Julie for her efforts. I also want to thank Natalie Pfeifer, Marilyn Nicholson, Diana Kelley, and Melanie Baca (resigned) for their service, leadership, coaching, and friendship on the board's executive committee. Superintendent Cindy Orlando and Chief of Interpretation Jim Gale have also been excellent mentors.

This year's July 4th Silent Auction Fundraiser was our best ever (see page 11). I know that many of you participated, and I hope you will enjoy your purchases—I know I will. FHVNP's involvement in the 31st Annual Cultural Festival at the Kahuku Unit this summer was a wonderful experience. Both were successful because of Julie's and Volunteer Coordinator Cheryl Jackson's stewardship and leadership.

I invite as many of you as possible to attend the annual meeting on September 10 (see page 1). The planning is well underway, and it sounds like we will have fun. And, of course, we will be electing new directors to the board (see page 8). Our second Boat Day Fundraiser is just around the corner, too—watch your email for more details.

Please continue to participate in FHVNP and park activities. Wear your Friends T-shirts whenever you are in the park (and beyond) to show your support. Help us serve as great ambassadors of the park and our organization. Mahalo and a hui hou!

-PATRICK W. NAUGHTON, BOARD PRESIDENT

Superintendent's Message

Behind the Scenes at Hawai'i Volcanoes National Park

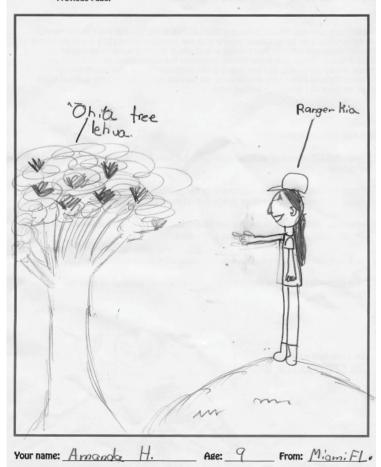
One of the park's long-term goals is to develop and implement best practices in environmental leadership. We have done that in many ways in park operations. Most recently we were awarded the Leadership in Energy and Environmental Design (LEED) "Platinum" designation (their highest rating) for our Visitor Emergency Operations Center, which was completed this spring. Developed by the U.S. Green Building Council, LEED is the nation's preeminent third party certification program for the design, construction, and operation of high performance green buildings. The project was funded through the federal stimulus program.



Two other exciting projects are soon to be underway. One will test the feasibility and performance of hydrogen-fueled vehicles to reduce fossil fuels in the park. Though the marketability of hydrogen is now being tested nationwide, the physical environment at Hawai'i Volcanoes poses different challenges than in other locations. The project is an inter-agency collaboration between the park, Hawai'i Natural Energy Institute (HNEI), Office of Naval Research (ONR), Federal Transit Authority (FTA), and Department of Energy. FTA provided a \$989,000 grant to the park to purchase and convert two buses to hydrogen fuel as prototypes for this testing. Partnership funds total close to \$4 million. We hope to have volunteers from the Friends assist with interpretation and education on this project.



One of the best ways to help protect the park is to tell others about it! Design a poster teaching people one way to protect the park using the ideas on the previous page.



Youth Intern Inspires Junior Ranger

Thanks to funding of the Junior Ranger Handbook by the Friends of Hawai'i Volcanoes National Park, our junior ranger program continues to touch children from all over the world. Hundreds of kids annually use the handbooks to learn about the park and our unique resources.

The Friends have also been instrumental in the Ka'ū Youth Intern Program, which employs local students from Ka'ū High School. These two great programs collided to create 'youth teaching youth.'

The drawing from the handbook (above) shows how one of our Youth Interns impacted junior ranger Amanda H. during her visit. Youth Intern Kia Tavares built a bridge between the resources of Hawai'i Volcanoes and a ninevear-old girl from Florida.

Young people love interacting with other young people. That is just one of the many benefits of having the Youth Intern Program—adding to the diversity of our front-line team and helping us reach a broader audience.

-Kūpono McDaniel, Supervisory Park Ranger



SUPPORT OUR ORGANIZATION TO FUNDRAISE EVEN FASTER!



Make a donation to our organization at any Foodland, Sack N Save or Foodland Farms checkout, and Foodland and the Western Union Foundation will make a donation to our organization, too!

FRIENDS OF HAWAI'I VOLCANOES Organization _ NATIONAL PARK

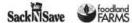
78625 Our Organization Code is _

HOW TO HELP:

- 1) Show your Maika'i Card and make a donation to our organization (up to \$249 per person) at any Foodland, Sack N Save or Foodland Farms checkout from September 1-30, 2011.
- 2) Foodland and the Western Union Foundation will match all donations up to a total of at least \$250,000 for all organizations combined.

THANK YOU FOR YOUR SUPPORT!









SUNDAY WALK IN THE PARK

SEPTEMBER 11 • OCTOBER 9 • NOVEMBER 13 • DECEMBER 11

This monthly program on second Sundays is aimed at bringing together the members of the Friends of Hawai'i Volcanoes National Park to share in the park's beautiful trails.

Program cost is FREE for Friends members.

Non-members are welcome to join the Friends in order to attend. To apply for membership, fill out the form on page 7 or visit HTTP://WWW.FHVNP.ORG/MEMBERSINDIVIDUALS.HTM

Park entrance fees apply.

MEMBERS: If you have a favorite park hike that you would like to share with other Friends members, please consider volunteering to be a hike organizer.

WALKS RSVPs:

PROGRAMS@FHVNP.ORG or (808) 985-7373

Hawai'i volcanoes institute



ON THE EDGE OF KĪLAUCA CALDERA with Dr. Ken Hon

Saturday, September 17 • 8:30 AM - 2:30 PM

\$60 FOR FRIENDS MEMBERS / \$85 FOR NON-MEMBERS (INCLUDES THREE-COURSE LUNCH WITH WINE)

Join volcanologist Ken Hon for a 3 to 4 mile hike around and into Kīlauea Caldera. Come find out how the current caldera formed and how it differs from the new vent that is currently active in Halema'uma'u Crater. At Sulphur Banks, see the outer ring fracture system of the caldera. Hike through a faulted valley and across the road to Steam Vents and Steaming Bluffs to learn about their relationship to the caldera. Along the crater's edge, we'll get a great view of Halema'uma'u and the current vent.

The trip then makes a steep descent—along volcanic blocks that slumped into the caldera beneath Volcano House—before taking us out onto the northern edge of Kīlauea Caldera. We'll exit by climbing up the switchback trail to Byron Ledge until we reach the caldera rim. The last section of the trail takes us along the old Crater Rim Drive that partially fell into the caldera during the 1975 magnitude 7.2 earthquake.

At 1:00 PM, the group moves to Volcano's famed Kilauea Lodge and Restaurant for a delicious lunch. The lodge is well known for owner-chef Albert Jeyte's continental cuisine with a touch of local flavors. Lunch includes soup, Big Island fresh catch, wine, coffee or tea, and dessert. (Vegetarians

can be accommodated with advance request.) Wine will be provided compliments of the Volcano Winery.

KEN HON is a Professor of Geology and Chair of the Research Council at the University of Hawai'i at Hilo, where he has taught since 1997. Ken earned both his B.A. and Ph.D. in Geology at the University of Colorado at Boulder, then served as the research volcanologist at the U.S. Geological Survey's Hawaiian Volcano Observatory from 1987 to 1990. He currently studies emplacement of lava flows and the formation of lava tubes.





PLANTS OF 'OLA'A FOREST with Linda Pratt

Saturday, October 15 • 8:30 AM - 12:00 NOON

\$35 FOR FRIENDS MEMBERS / \$50 FOR NON-MEMBERS

Take a slow-paced 1 mile walk through the dense rain forest of Hawai'i Volcanoes National Park 'Ōla'a Forest, a parcel of old growth forest just north of Volcano Village. Learn the common native plants and see the results of more than 20 years of protection from feral ungulates and management of invasive non-native plants. This area has the highest diversity of native ferns of any forest in the park. Because we'll be in a sensitive area without developed trails, group size will be limited to 12.

'Ōla'a Forest is an old-growth rain forest on deep ash soils of the lower slopes of Mauna Loa. Disjunct from the boundaries of the park, the two parcels of 'Ōla'a (Small Tract and Large Tract), formerly part of Upper 'Ōla'a Forest Reserve, were given to the National Park Service in the 1950s. Today all of the >300 acre Small Tract, the site of this field seminar, is fenced and free of feral pigs. The recovery of native ferns and other herbaceous plants has been pronounced.

We'll see examples of native lobelioids (*Clermontia* or 'ōhā), endemic members of the African violet family (*Cyrtandra* or ha'iwale), and tree nettles (*Urera* or ōpuhe). We'll also encounter many of the over 50 native fern species found in 'Ōla'a. Although the species composition of this old

forest is similar to the more familiar forests of the Kīlauea summit, 'Ōla'a has a very different aspect, because of the large size of the few canopy 'ōhi'a trees, the density of the tree fern layer, and the diversity of the ground cover.

LINDA PRATT is a botanist with the U. S. Geological Survey, Pacific Islands Ecosystem Research Center, Kīlauea Field Station. She has carried out botanical research in Hawai'i Volcanoes National Park for more than 25 years and is the co-author (with Charles Stone) of Hawai'is Plants and Animals: Biological Sketches of Hawai'i Volcanoes National Park.

Students (K-12 and college with valid student ID) are half-price.

Non-members are welcome to join the Friends in order to get the member discount.

To register, call (808) 985-7373 or visit www.fhunp.org

fall field seminars



native insects: a field discovery with Dr. David Foote

Sunday, October 23 • 9:00 ^{AM} - 1:00 ^{PM}

\$35 FOR FRIENDS MEMBERS / \$50 FOR NON-MEMBERS

According to Bishop Museum scientists, there are more than 5,800 known native insect species in Hawai'i, over 94% of which are endemic to the Hawaiian Islands. Join Hawai'i insect specialist David Foote to look for Kamehameha butterflies, longhorn beetles (shown above), fruit flies, and happyface spiders in Hawai'i Volcanoes National Park's Kīpukapuaulu (Bird Park).

Learn about the natural history of this kīpuka (an island of older forest surrounded by younger lava flows) with an emphasis on its insect population. Hawai'i's native insect fauna has undergone many examples of spectacular adaptive radiations, and we'll look for examples of these evolutionary processes in some of the more common native insect species. We will also talk about the functional role of insects in Hawai'i's native ecosystems, the impact of invasive alien insects, and the conservation of native Hawaiian insects—of which over 40 have become extinct in the last century.

This experience is rated easy, with a total of approximately 1 mile of walking on a forested loop trail. Children are welcome as long as they are supervised by a parent or legal guardian. Be prepared for the 4,000' elevation and for variable weather conditions.

DAVID FOOTE is Project Leader for the U.S. Geological Survey's

Pacific Island
Ecosystems Research
Center, Kilauea Field
Station in Hawai'i
Volcanoes National
Park. He holds a Ph.D.
and M.S. in Ecology
from the University of
California, Davis and a
B.A in Zoology from the
University of California,
Berkeley.



Perpetuating native species

with Dr. Rhonda Loh

Sunday, November 20 • 9:00 ^{AM} - 3:00 ^{PM}

\$50 FOR FRIENDS MEMBERS / \$70 FOR NON-MEMBERS (50% WILL BE DONATED TO THE PARK'S NATIVE PLANT NURSERY)

From the coast to the alpine summit of Mauna Loa, Hawai'i Volcanoes National Park protects a wide diversity of ecosystems and habitat for native Hawaiian plants and animals. Despite their protected status, native species face numerous threats from invasive plants, bird malaria, wildfires, and introduced goats, sheep, pigs, and rats inside the park—as well as habitat loss outside park boundaries. In this field seminar, visit the unique habitats of the park with Dr. Rhonda Loh, chief of the natural resources division, to learn about native species and park efforts to perpetuate them.

You will walk through native rain forest, wander through a rare mānele-koa kīpuka (an "island" of old-growth forest surrounded by lava flows), and view dry land habitat. Bring a bag lunch for a mid-day break. The day ends at the park's rare plant propagation facility, where you'll see some of the rarest species on earth.

To help further conservation efforts, 50% of all tuition collected will be donated to the park's native plant nursery.

RHONDA LOH is Chief of Natural Resources Management at Hawai'i Volcanoes National Park. She received her M.A. in Chemistry from Stanford University and her Ph.D. in Botany from the University of Hawai'i at Mānoa. Rhonda leads the park's natural resources division

INSTITUTE-ON-DEMAND!

INSTITUTE-ON-DEMAND allows your group (of any size) to create your own custom-designed program. It's perfect for families, reunions, school and senior groups, friends traveling together, adventure-seekers, and more!

Partnered with talented presenters in fields such as geology, archeology, botany, photography, and culture, INSTITUTE-ON-DEMAND provides personalized educational adventures in and around Hawai'i Volcanoes National Park. Programs can be tailored to provide residents with a park visit that is truly unique, or to provide visitors with an unforgettable experience.

Visit www.fhunp.org and click on "Hawai'i Volcanoes Institute," then scroll down to fill out our "Online Request Form" or email INSTITUTE@FHUNP.org.

the protection in and recovery Hawaiian native ecosystems, flora. and fauna. She also serves as a certified faculty member in the Tropical Conservation Environmental and Science araduate program at University of Hawai'i at Hilo.

Native Species Spotlight: It's Nesting Season for Hawksbill Turtles

Honu 'ea (Eretmochelys imbricata)





Hawksbill turtle hatchlings begin their journey to the sea (left) and rare olive ridley nesting (right).

The 22nd year of the Hawai'i Volcanoes Hawksbill Turtle Recovery Project is heading into the peak of the nesting season. Since 1989, we have identified 107 adult female hawksbills (honu 'ea), protected over 700 nests, and assisted over 80,000 hatchlings to reach the ocean.

Hawksbills are critically endangered throughout the world. While less than 20 individuals are observed nesting each year on Hawai'i Island, they account for about 90% of documented nesting in the entire state of Hawai'i. National park volunteers are instrumental in protecting this keystone species from numerous threats. They have been busy monitoring nesting beaches along the southern coastline for the last few months. So far we have identified five nesting turtles and found at least seven nests at five beaches. Two of the nesters are returnees from previous seasons and the others are newly identified. Nesting activity was found starting in mid-May.

The biggest surprise of the season came when a green sea turtle (honu) was observed attempting to nest at Kamehame and Halape. Then, she successfully nested at Pohue Bay. Green sea turtles typically nest at French Frigate Shoals in the Northwestern Hawaiian Islands about 800 miles away. This is the first documented nesting of a green sea turtle on Hawai'i Island. Last season, we observed the rare event of a nesting olive ridley turtle.

Another exciting find was when a record-size hawksbill was rescued from the brackish water pond at Punalu'u by NOAA turtle expert George Balazs and University of Hawai'i at Hilo students. She weighed in at over 300 pounds! One of the nesters that we have observed utilizing multiple beaches, she nested several nights later at nearby Kamehame.

The first hatchlings of the season have started to emerge and crawl to the sea as witnessed by personnel from the Youth Conservation Corps on a field trip to restore nesting habitat. We are looking forward to many more nests and hatchlings this fall. Mahalo for your support.

- WILL SEITZ, PROJECT COORDINATOR

The Friends needs your help to protect the endangered honu 'ea Please donate today at http://www.fhvnp.org/Donate.html

Enclosed is my one-time donation of I want to make a monthly pledge of	of \$ to help protect the honu 'ea f \$ to help protect the honu 'ea
Name(s)	Mailing Address
Phone(s)	City / State / Zip
Email(s)	Make check payable to FHVNP & mail to: FHVNP, P.O. Box 653, Volcano, HI 96785

Member Feature GUIDO GIACOMETTI & SUSAN TIUS



"The volunteers of Friends of Hawai'i Volcanoes National Park always have impressed us with their contributions of time and energy to the national park and promotion of activities which give people access to experience and enjoy the Park.

Your organization also benefits Volcano Village where we have a family home at which we hope to spend more time in the future. We are pleased to support FHVNP."

Volunteer Appreciation

"It has been quite an eight year journey with the Friends as we evolved from Nā Hoaloha 'Āinahou (Friends of 'Āinahou) to the present Friends of Hawai'i Volcanoes National Park and Hawai'i Volcanoes Institute.

My favorite Friends-related activities include forest restoration work, helping to care for 'Āinahou Ranch, and attending the wonderful programs."

programs."

- LINDA-JANE IRWIN

Become a member of the Friends to receive the following...



P.O. Box 653 • Volcano, HI 96785 (808) 985-7373 www.fhvnp.org

MEMBERSHIP BENEFITS

- ✓ Acknowledgement in our newsletter
- ✓ Subscription to our newsletter
- ✓ Early email notification of all programs & events
- ✓ Invitations to members-only events
- ✓ Free monthly "Sunday Walks in the Park"
- ✓ A Friends logo decal
- → Discounts on Friends merchandise & on Hawai'i Volcanoes Institute programs
- √ 15% discount on all non-sale items at Hawai'i Natural History Association (HNHA) retail outlets in Hawai'i & American Samoa
- √ 10%-20% discounts at participating Association of Partners for Public Lands (APPL) retail outlets nationwide

SPONSOR MEMBERS ALSO RECEIVE:

- ✓ All of the above, plus...
- ✓ A sarong <u>OR</u> a short-sleeve Friends T-shirt
- ✓ The book *Hawai'i: The Fires of Life*
- → Public recognition at our annual meeting

BENEFACTOR MEMBERS ALSO RECEIVE:

- ✓ All of the above, plus...
- ✓ A Friends cap <u>OR</u> a long-sleeve Friends T-shirt
- ✔ An eruption DVD from Volcano Video Productions
- → "Pele and Lehua" block print by Dietrich Varez

PATRON MEMBERS ALSO RECEIVE:

- ✓ All of the above, plus...
- ✓ A Friends hooded sweatshirt
- ✓ A 1 year subscription to Environment Hawai'i
- ✓ A Hawai'i Tri-Park Annual Pass (good for admittance for 1 year to Hawai'i Volcanoes & Haleakala National Parks & Pu'uhonua O Honaunau National Historic Site)

MEMBERSHIP FORM				
☐ I want to become a new member OR	Check enclosed (make payable to FHVNP & mail to: P.O. Box 653, Volcano, HI 96785)			
I want to renew my membership	<u>OR</u> P.O. Box 033, Volcano, HI 90/83)			
☐ I want to give a gift membership OR	Please charge my debit or credit card:			
at this \$\infty\$ \$15 STUDENT \(K-12 \& college \ with \ valid \ student \ I.D. \)	☐ Visa ☐ MasterCard ☐ Discover ☐ American Express			
level: \$\Boxed{\text{State}} \preceq \\$30 \text{INDIVIDUAL}	Name on Card			
S45 FAMILY 2 adults plus dependents 18 & under	Card Number			
\$125 SPONSOR	Expiration			
☐ \$500 BENEFACTOR	Signature			
☐ \$1,000 PATRON	☐ For SPONSOR & higher levels, my T-shirt size is:			
S OTHER Any amount above \$30 welcome for membership				
☐ I want to make a one-time donation of \$	☐ I prefer <u>NOT</u> to receive any premiums			
I want to make a monthly pledge of \$	☐ Please contact me about volunteering in these areas:			
Today's Date	Forest Restoration			
Member Name(s)	Assisting at Seminars			
Mailing Address	Assisting at Public Events			
City / State / Zip	☐ Office Assistance & Mailings ☐ Computer Work			
Phone(s)	Grant Writing			
Email(s)	Fundraising			

MEET THE CANDIDATES!

Directors of the Friends board are elected for a two year term, which begins with the annual meeting. Board members may serve up to three consecutive terms, then may return to serve after an absence of at least one year.

New Candidates (for 2011-2013 term)

KRISTEN CLYNE-HAMITOUCHE
CHERYL GANSECKI
PŌHAI MONTAGUE-MULLINS
THANE K. PRATT

Incumbent Candidates (for 2011-2013 term)

NATALIE PFEIFER

AB VALENCIA

Continuing Directors (for 2010-2012 term)
LINDA CLINTON
PATRICK W. NAUGHTON
MARILYN NICHOLSON
NICK SHEMA

Resigning Directors (for 2010-2012 term)

NANCY CHANEY

DIANA KELLEY



KRISTEN CLYNE-HAMITOUCHE received her Graduate Certificate in Nonprofit Management and Leadership from the University of Missouri, St. Louis in May 2011. She holds an M.A. in Political Science (with an emphasis on Indigenous Politics) and B.A. in English (with a minor in Women's Studies) from the University of Hawai'i at Mānoa. She has been an intern with Amnesty International as well as a student organizer and volunteer for various causes and organizations. Proficient in French, Kristen has taught English as a foreign language in Europe and the U.S. Her father was a park ranger at Hawai'i Volcanoes in the 1980s, so she has fond memories of growing up in park housing with the national park as her backyard. She currently lives in Volcano.

CHERYL GANSECKI is a volcanologist with a Ph.D. in Geology from Stanford University and a B.A. in Earth Science and Archaeology from Wesleyan University. Her research includes volcanoes in Hawai'i, Greece, and Yellowstone National Park. She has worked as a geologist at the Hawaiian Volcano Observatory mapping lava flows on Mauna Loa; a lecturer at the University of Hawai'i at Hilo; and an independent tour guide and lecturer for groups visiting Hawai'i Volcanoes National Park. Cheryl is co-owner and president of Volcano Video Productions, where she films and produces the ongoing "Eruption Update," seen daily in the Kīlauea Visitor Center. Cheryl and her husband, Ken Hon, live in Hilo with their two daughters.





PŌHAI MONTAGUE-MULLINS hails from the "long-gone" sugar cane plantations of Pā'auhau and Hakalau. A Hilo High School graduate, she earned her B.A. in Speech Communications (with a minor in Hawaiian Language) from the University of Hawai'i at Hilo while raising five children and working full-time. She went on to earn an M.A. in Education and a Teaching Certification from Central Michigan University. Fluent in Hawaiian, Pōhai has taught at Ke Kula 'O Nāwahīokalani'ōpu'u since 1995. For a decade, she was a KISS, KAPA, and KHBC radio personality and has been a regular on "Living in Paradise," a nightly cable TV show. Pōhai lives in Volcano and loves when her seven grandchildren visit. "I strive to be an example for them by being of service to others," she says.

THANE K. PRATT retired in 2009 from a 20-year career as a wildlife biologist with the Pacific Island Ecosystems Research Center, U.S. Geological Survey, based in Hawai'i Volcanoes National Park. The culmination of years of the Center's bird research was the book *Conservation Biology of Hawaiian Forest Birds* (Yale University Press, 2009), with Thane as chief editor. Born in Honolulu, he attended Hawai'i Preparatory Academy, then earned his B.A. in Biology and Ecology from Colby College and his Ph.D. in Ecology from Rutgers University. Thane is currently a Research Associate at Bishop Museum, an Alternate Trustee on the Cooke Foundation, a docent at the Volcano Art Center, and writing a second edition of *Birds of New Guinea* (Princeton University Press, 2012).



 	•	tend our annual meeting, but would like to vote this page by September 1 (address on page 2).
I I	I approve the slate of candidates: Kristen Clyne-Hamitouche, Cheryl Gansecki,	I do not approve the slate of candidates
 	Pōhai Montague-Mullins, Natalie Pfeifer, Thane K. Pratt, and Ab Valencia	Member's name:

UPCOMING VOLUNTEER
FOREST RESTORATION PROJECTS

• September 24, 2011 (Saturday)

• September 14, 2011 (Friday)

• October 14, 2011 (Saturday)

• November 19, 2011 (Saturday)

The Friends of Hawai'i Volcanoes
National Park hosts our next volunteer
FOREST RESTORATION PROJECT
on Saturday, September 24, 2011
from 8:30 a.m. to 1:00 p.m.
This is a joint project with the park's
Natural Resources Management
division in celebration of National
Public Lands Day (see page 12).

This month we will work in the Devastation Trail area removing invasive, non-native knotweed (Polygonum capitatum).

This is a low-growing plant and most work will be done kneeling or crouching. The soil is cindery and the knotweed should pull easily, although some have very long roots. We'll also learn about the park's native forest restoration program and control of invasive plants.

Volunteers should be at least
12 years old (younger children are
welcome if accompanied by a parent),
and be able to walk at least a mile
over uneven terrain. Our goal is
a crew of 25 people, and
pre-registration is required.

If you are interested in volunteering, please contact Patty Kupchak at FOREST@FHVNP.ORG or (808) 352-1402 by Monday evening, September 19. Please include your first and last name, email address, and a phone number where we can reach you at the last minute in case of cancellation.

Native Forest Means Native Habitat

Hawaiian native forests are not merely a beautiful landscape consisting of a variety of diverse plants. They are absolutely essential to the survival of our native bird populations.

In Hawai'i, native forests at all elevation levels have been heavily impacted by environmental degradation. The forest we see now is a small remnant of what existed in the not-so-distant past. Primary threats include animal grazing, removal of native plants of economic value, and invasive species that crowd out native flora. In all three cases, not only have overall numbers of plants

and total acreage been severely diminished, but the complexity of the remaining forest has also been decreased.

One example of how lack of complex and widespread native forest can affect our native birds is the 'i'iwi (Vestiaria coccinea). When these scarlet Hawaiian honev creepers look for nectar, they can feed from a

number of different kinds of flowers, including 'ōhi'a lehua (Metrosideros polymorpha) and māmane (Sophora chrysophylla). In addition, they search for food at multiple elevations, since plants at different elevations flower at different times. It's easy to imagine how losing large sections of native forest, or even certain plants within the forest, has heavily impacted birds' feeding patterns—and therefore their survival and overall populations.

The birds that suffer most from

lack of appropriate habitat are the ones with specific feeding patterns. Some of our extinct Hawaiian birds fed primarily from only one type or shape of flower. When those food sources disappeared, so did the birds dependent on them.

Our remaining native birds eat seeds, fruit, nectar, and insects. A broad range of native plants are needed to maintain their health and

population count.

For those of us who love native Hawaiian forests. the joy of planting native species and removina invasive weeds immensely gratifying and itself. However. these activities also serve a greater good. The native birds can benefit in a big way from the increase in native habitat that develops



PHOTO: CAROL JOHNSON

Volunteer Christine Copes collects māmane seeds for propagation by the park. The tree's flowers provide nectar to native birds.

over time as a result of reforestation. A healthy, complex forest is truly the foundation for maintaining our remaining native flora and fauna.

So, the next time you're in the forest enjoying the plants or securing their future by participating in a reforestation project, you can think about the forest's importance to the birds, too. The 'i'wi calls, "Chu-weet!"

—Nancy Chaney, Chair Forest Restoration Committee

The Friends needs y	our help to	protect native fo	rests
Please donate today at	HTTP://www	v.FHVNP.ORG/ D ON	ATE.HTML

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Mahalo Nui Loa to our 2011 July 4th Silent Auction Donors

On behalf of the Friends of Hawai'i Volcanoes National Park, we thank the following businesses and individuals for their contribution to our annual July 4th Silent Auction at Cooper Center in Volcano Village. Thanks to their generosity, we achieved our most successful silent auction to date. This year's fundraiser grossed over \$9.000 to support volunteer and educational proiects in Hawai'i Volcanoes National Park. These programs help instill a deep appreciation of Hawai'i's fragile natural and cultural resources and provide quality environmental experiences for both visitors and residents. In addition, a portion of funds raised will also assist two other non-profits—the Volcano Community Association and the Cooper Center Council—who provide services to the community throughout the year.

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Buy Friends logo wear, decals, and colorful sarongs online @ WWW.FHVNP.ORG

CONTINUED FROM PAGE 2

Superintendent's Message

Lastly, another partnership project that is *fully funded* by partners ONR and HNEI will test a pre-designed, energypositive building at the coastal eruption site. This site is so important in terms of interpreting over three decades of eruptive activity, ocean stewardship, sustainability, and Hawaiian culture. As most of you have experienced, the existing buildings are in poor condition and inadequate in terms of safety and interpretive messages. For both the park and our funding partners, the new building will provide valuable research opportunities on energy systems management, material corrosion prevention, eco-friendly materials, positive air pressure during poor air quality, and maintenance costs.

The upcoming projects reflect the changing technology of the 21st century and will help the park prepare for the environmental challenges of our next 100 years.

-CINDY ORLANDO, PARK SUPERINTENDENT

GRANTS RECEIVED

\$10,700 from the Hawai'i Community Foundation for the "Fundraising/Friendraising" organizational capacity building project

> \$12,000 from the Hawai'i Tourism Authority for the 31st Annual Cultural Festival

\$5,000 from the National Environmental Education Foundation for the "Friendraising Website Development" project

\$9,900 from the National Park Foundation for the "Digital Mountain: It's My Trail" youth film festival

> \$40,000 from the National Park Foundation for the PARK Teachers Program

\$25,000 from the Omidyar 'Ohana Fund of the Hawai'i Community Foundation for the Ka'u Youth Intern Program

> The Case family made a donation to the honu 'ea (hawksbill turtle) fund in memory of

VIRGINIA BROOKS MACDONALD

(1918-2011)

She will be remembered for her love of Hawai'i and the practice of architecture, good family times when she and Russ Apple lived on Pukeawe Circle in Volcano, and her unfaltering spirit and strength of will.

NATIONAL PUBLIC LANDS DAY (NPLD) Saturday, September 24

free park admission + volunteer opportunities

NPLD is a special fundraising event for the Friends of Hawai'i Volcanoes National Park. We station volunteers at the park entrance to solicit donations from visitors to help raise revenues for our many projects that support the park. We also have a booth by the Kilauea Visitor Center selling our logo wear and giving out information about the Friends. To sign up for a two-hour shift either at the park entrance or at our booth, please call (808) 985-7373 or email VOLUNTEER@FHVNP.ORG.

NPLD is the nation's largest hands-on volunteer effort to improve and enhance our public lands. On September 24, all over the nation, more than 150,000 volunteers will plant trees, remove trash, and build trails at public lands across the nation.

You can make a difference in Hawai'i Volcanoes National Park by joining one of the three volunteer projects taking place that day: trail maintenance (8 ^{AM} to 12 ^{NOON}), ginger removal (10 ^{AM} to 12 ^{NOON}), and knotweed removal (see page 9 for details). To volunteer, contact park volunteer program manager Laura Williams at (808) 985-6304 or LAURA_WILLIAMS@NPS.GOV.

Join the thousands who will take part in the 17th annual National Public Lands Day—and help do your part for America's lands!

DIGITAL MOUNTAIN: IT'S MY TRAIL!

Film Festival: Saturday, October 29 at 6:00 PM

Filmmakers in grades 7-12 may enter a film up to 3 minutes in length explaining why park trails are important to them. Digital camcorders are available to be checked out at the Kilauea Visitor Center. Film and editing classes can be made by appointment.

Completed films are due by October 6. Films will be posted on YouTube for two weeks and the public may vote for their favorite film. Judging is by filmmaking professionals. Winners will be selected by a weighted combination of the judges' scores and the people's voting. Prizes include MacBook laptops and Olympus digital cameras.

The gala film festival to premiere the films on the "big screen" will be held on October 29 at the Kilauea Visitor Center. The public is invited to meet the young film makers, view and vote on your favorite film, and enjoy refreshments. Awards are announced at the event.

Additional information, including contest rules, sign up forms, parental permission forms, judging criteria, event times, dates, and photos from previous years may be found on Facebook: search for "It's My Park."

This project was made possible in part by a grant from the National Park Foundation through the generous support of the Coca-Cola Foundation. Additional help, funding, and support comes from the Friends of Hawai'i Volcanoes National Park, Hawai'i Natural History Association, Friends of the Future, Volcano Video, Boys and Girls Club, Kapoho Kine Adventures, and Hawai'i Forest & Trail.

CONTACT: Laura Williams (808) 985-6304 • LAURA_WILLIAMS@NPS.GOV



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