



# MALAMA I KA HONŌA

## Cherish The Earth

JOURNAL OF THE HAWAII CHAPTER

SIERRA CLUB

VOLUME 32 • NUMBER 1

JANUARY - MARCH 2000

# How will we get POWER TO THE PEOPLE in the 21<sup>st</sup> Century?

“Pure economic folly,” says Donald Aitken of the Union of Concerned Scientists. “Economic lunacy,” says Hunter Lovins, President of Rocky Mountain Institute. These responses followed disbelief after seeing that Hawaii’s energy future will be powered by coal- and oil-fired power plants. Stuck in the 18th century, our utilities and government have compiled a plan—the Hawai‘i Energy Strategy 2000—to keep Hawai‘i completely dependent on climate change-inducing fossil fuels. Through this plan, Hawai‘i will be missing opportunities to create a stable economy, to become the world leader in sustainable technology, and to protect Hawai‘i’s sensitive environment.

**Jeff Mikulina**

### CLIMATE CHANGE

Most reasonable scientists believe that climate change is resulting from humans’ contribution of greenhouse gases—mostly carbon dioxide—to the atmosphere. Climate change will drastically alter Hawaii’s environment, economy, and way of life. In fact, climate change is already changing the face of Hawai‘i, with higher temperatures, decreased precipitation, and rising sea level. But the real costs await: eroding beaches, salt water inundating our groundwater aquifers, diminishing agricultural capacity, and bleaching of our corals. Climate change will subject the islands to more violent storms—storms that may make hurricane Iniki look like just a rainy weekend. How do we respond? We don’t—the current HES will result in emitting 30% more carbon dioxide than the Kyoto goal (7% less than 1990 emissions, a compromise position from developed countries in 1997).

### UNSTABLE OIL

The price of oil has been anything but stable over the past thirty years, but the HES uses only the U.S. Annual Energy Outlook to predict the price of oil over the next 20 years. Is this finite resource really that predictable? Some oil strategists believe that we have already passed the peak of oil availability. Oil extraction has outpaced new oil field discoveries, yet we continue to pump oil without acknowledging its finiteness. But we don’t need to run out of oil—Hawaii’s economy is so sensitive to the price of oil, the slightest shift in price could create economic chaos. Besides, as Lovins

says, “We didn’t leave the Stone Age because we ran out of stones.”

The HES needs to take an aggressive approach to free Hawai‘i from fossil fuels. Our past trend does not have to represent our future. But the strategy must be realistic. Because Hawai‘i relies greatly on imported tourists and products, and efficiency improvements in marine and air transportation won’t likely be found in the near term, ground transportation and electric utilities (69% of Hawaii’s greenhouse gases) must take the greatest responsibility in moving toward a renewable energy future.

*continued on page 4*

## DOT: FOULING OUR WATERS

The storm drains may be stenciled with “Dump no Waste, Goes to Ocean,” but with the State Department of Transportation in charge, it might as well read: “Dump with Haste, No One’s Watching.” The Department, headed by Kazu Hayashida, is letting Hawaii’s environment wash down the gutter. While Hayashida is busy securing business deals for friends and family, the Department is allowing pollution to pour off its highways and dangerous species slip through its airports.

On Oahu, the DOT is letting its facilities and roadways pollute our streams and ocean. The Environmental Protection Agency cited the Department on September 7<sup>th</sup> for its failure to comply with the requirements of the Federal Clean Water Act. The Agency found that since 1994, the Department has not been sufficiently reducing pollutants from its facilities on the island of Oahu, including the island’s roadways. This means that every rainfall on Oahu is washing pollutants—metals, petroleum residues, pesticides, and the like—into our nearshore ocean. Surfers, beachgoers, and folks that fish, suffer, not to mention the tourism industry that relies on a clean coast.

DOT officials had promised to reduce polluted runoff from clouding coastal waters, but the department hadn’t taken any

*continued on page 3*

The Sierra Club, Hawai‘i Chapter, is Hawaii’s largest grassroots environmental advocacy organization  
INSIDE: Outings Schedules • Spreckelsville or Sprawlsville? • SUVs • Power Plants

**Deadline  
for the next issue  
March 1, 2000**

SIERRA CLUB  
**HAWAI'I CHAPTER**

**MĀLAMA I KA HONUA**

Mālama is published quarterly by volunteer members of the Sierra Club, Hawai'i Chapter. Non-member subscriptions are \$7 per year. To subscribe, send \$7 to:

**Sierra Club, Hawai'i Chapter  
P.O. Box 2577  
Honolulu, Hawai'i 96803**

Circulation for  
October - December 1999 issue:  
4,100 copies

**ADVERTISING RATES**

	1x	2x	4x
Full Page:	\$350	315	280
Half Page:	250	225	200
1/4 Page:	110	99	88
1/8 Page:	60	54	48
Bus. Cards:	50	45	40

*Malama only accepts political  
advertisements from candidates endorsed  
by the Hawai'i Chapter*

Coordinators:  
Jeffrey Mikulina, Kathleen Friedman

Printed by Hawaii Hocht

*Postal Note:* The Mālama i ka Honua is published four times a year by the Sierra Club Hawai'i Chapter.

**SAVE A TREE**

The Mālama is now online in PDF format (<http://www.hi.sierraclub.org/Malama/malama.html>). If you would prefer to read it online instead of receiving it in the mail, send a note to [mikulina@lava.net](mailto:mikulina@lava.net).

All members and interested environmentalists are invited to contribute items to Mālama. Articles should be sent via e-mail (not as an attached document) to: [mikulina@lava.net](mailto:mikulina@lava.net).

**EXECUTIVE COMMITTEE OFFICERS**

- David Kimro Frankel (985-8822) ..... Chair
- Ron Terry (982-5831) ..... Vice Chair & Political Chair
- Nelson Ho (933-2650) ..... Conservation/Eco-Region
- Lisa Keala Carter (395-7991) ..... Council Delegate
- Scott Crawford ..... At-Large
- Teresa McHugh (396-9616) ..... At-Large
- Moses Haia (422-5132) ..... At-Large
- Judy Dalton (246-9067) ..... At-Large
- Blake Oshiro (671-9404) ..... O'ahu Group
- Monte Hill (322-5516) ..... Kaua'i Group
- Roberta Brashear (966-7002) ..... Moku Loa Group
- Bob Keane (623-3208) ..... High School Hikers
- Jim Yuen (262-2845) ..... Hawai'i Service Trip Prog.
- Jennie Yanaki (456-0676) ..... Treasurer

**CHAPTER OFFICE**

- Director ..... Jeffrey Mikulina
- Mail ..... P.O. Box 2577, Honolulu, Hawai'i 96803
- Phone ..... (808) 538-6616
- FAX ..... (808) 537-9019
- E-Mail ..... [mikulina@lava.net](mailto:mikulina@lava.net)
- Web Site ..... <http://www.hi.sierraclub.org>
- Web Master ..... Kevin Jim (808) 988-4310
- Coastal Lands ..... Richard Laford (808) 575-9656

- Monte Hill (332-5516) ..... Conservation Chair
- Bob Nishek (822-9238) ..... Outings chair
- Marge Freeman (822-4605) ..... membership Chair
- Jack Williams (332-5035) ..... Ex. Comm. Member

**MAUI GROUP EXECUTIVE COMMITTEE**

**P. O. Box 2000 KAHULULU, HAWAI'I 96733**  
*Conservation Hotline - 573-3454  
 Hike Line - 573-4147*

- [www.mauimapp.com/community/sierra.htm](http://www.mauimapp.com/community/sierra.htm)
- Bill Watson (244-6839) ..... Chair
- Tei Tico (579-6282) ..... Secretary
- Martha Martin (579-9019) ..... Treasurer
- Diane Shepherd (874-9372) ..... Conservation
- Tona Craig (572-6609) ..... Water Quality
- Peter Kafka (572-8891) ..... Membership
- Betsy Lyons (572-194) ..... Membership
- David Leese (572-5198) ..... Newsletter

**MOKU LOA GROUP EXECUTIVE COMMITTEE**

**Box 1137, HILO, HAWAI'I 96721**

- Roberta Lynn Brashear (966-7002) ..... Chair
- Nelson Ho (933-2650) ..... Vice-Chair
- Edith Worcester (963-6317) ..... Treasurer
- Sarah Moon (935-3475) ..... Programs
- Roberta Brashear (966-7002) ..... Outings
- Keith Burchett (935-2368) ..... Programs
- Nelson Ho (933-2650) ..... Programs
- Perry Blair (967-7236) ..... Newsletter
- Kevin Hopkins (961-0319) ..... Membership

**ACTIVITY SECTIONS**

**HAWAI'I SERVICE TRIP PROGRAM**

(HSTP)

- Scott Rowland (259-5416) ..... Chair
- John Cummings III (569-6485) ..... Leadership Dev.
- Sherine Boonla (739-3936) ..... P.R. & Recruitment
- Pauline Sato (537-4508) ..... Financial
- Bill Aki ([billaki@te.net](mailto:billaki@te.net)) ..... Project Evaluation
- Jim Yuen ([jimyuen@juno.com](mailto:jimyuen@juno.com)) ..... Secretary

**HIGH SCHOOL HIKERS PROGRAM**

- Fred Nakagura (487-3098) ..... President
- Enron Yoshida (595-7009) ..... Vice-President
- Pauline Kawarata (955-0100) ..... Secretary
- Bob Keane (623-3208) ..... Treasurer
- John Cummings (569-6485) ..... Ecology Camp

**REGIONAL GROUPS**

**O'AHU GROUP EXECUTIVE COMMITTEE**

**Box 2577, HONOLULU, HAWAI'I 96803**

- Blake Oshiro (671-9404) ..... Chair
- Blake McElhery (638-8484) ..... Secretary
- Keith Palmer (668-7658) ..... Conservation Chair
- Arlene Buchholtz (988-9806) ..... Outings Chair
- Marilyn Gates (947-2097) ..... Membership Chair
- Jennie Yanaki (456-0676) ..... Treasurer/Prog. Chair

**KAUAI GROUP EXECUTIVE COMMITTEE**

**Box 3412, LIHU'E, HAWAI'I 96766**

- Judy Dalton (246-9067) ..... Chair
- Rob Culbertson (246-8748) ..... Vice Chair
- Harry Givens ..... Secretary
- Janis Lyon (828-1137) ..... Treasurer

will is way...

## DOT cont from page 1

steps when they were cited. They've now submitted a timeline for compliance, but until a new permit is approved, any storm runoff from the DOT's facilities will violate the federal Clean Water Act.

The DOT'S polluting practices extend beyond the highways. On October 26<sup>th</sup>, the EPA cited the DOT for yet another violation of the Clean Water Act—this time at the Honolulu International Airport. Here, the Department has allowed contaminants such as oil, hydraulic fluid, and lavatory wastes to wash into Keehi Lagoon and the surrounding waters. The Department was also discharging unpermitted wastewater and was negligent in ensuring that their tenants, such as various rental car firms, obey the clean water laws. Since the DOT was granted the pollution permit, they are responsible for making sure their tenants don't pollute the local waters.

But water pollution isn't the only problem at the Honolulu Airport. Alien species are nearly greeted with leis when they land in Honolulu. State experts estimate that an average of 20 new alien species escape detection efforts in Hawaii every year. According to State figures, alien pests cost the state's economy upwards of \$400 million worth of annual damages to Hawaii's farms, businesses, homes, and natural environment. The DOT is failing to budget enough money for alien species control—so much that one expert calls current efforts “dismal...a leaky sieve.” Money from the airlines is to be used to reduce the alien species threat, but the Department has not taken the necessary steps.

The above environmental transgressions by the DOT are only a recent accounting. Over the past decade, the Department has also been cited for illegally diverting streams and bulldozing a road through a Natural Area Reserve.

We trust our government agencies to protect our health and environment—at least we trust them to obey our laws. The DOT is doing neither. It's time to clean up the Hawai'i DOT—its leadership and its practice.

## Solving Sprawl

The Hawai'i Chapter released “Solving Sprawl,” a Sierra Club National report ranking how the states were doing in controlling suburban sprawl.

The report showed that Hawai'i is failing at protecting open space. Problems include over-development of coastal areas and destruction of agricultural lands.

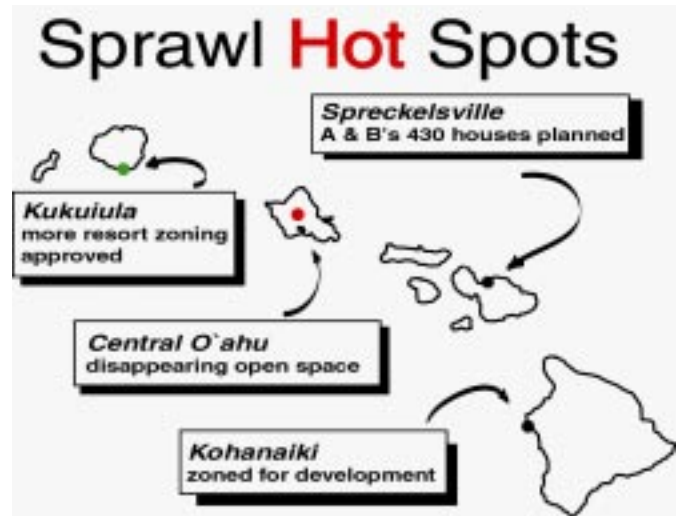
The costs and consequences of poorly planned development have become clear in Hawai'i. But we're not doomed to a future of traffic congestion, lost open space, and disappearing coastlines and agricultural land. We can manage sprawl by enforcing the solid land use planning laws that we have—growing by choice, not by chance.

States such as Maryland and New Jersey excel in open space protection. Maryland, has earmarked \$140 million over the next 5 years for the purchase of open space and the Governor has plans to

save 58,000 acres of crucial land along the state's Eastern Shore. While these states are dedicating funds to preserve land, Hawai'i's land acquisition program is bankrupt.

The report ranked Hawai'i 8th in the category of Land Use Planning, but 40th in Open Space Protection. Hawai'i has probably the best growth management acts in the country, but sprawl is rampant in places like Maui's North Shore (see story page 7).

With limited land, limited fresh water, and disappearing species habitat, Hawai'i must fight developers' sprawling ways.



## HAWAII'S TWO FUTURES

### A LETTER FROM THE DIRECTOR

The transition to the year 2000 brings Hawai'i to a critical juncture—still suffering from economic lethargy, facing unprecedented environmental pressures, and struggling to define its identity with competing voices.

The Sierra Club, Hawai'i Chapter is providing a clear voice in the conversation to chart Hawai'i's future. We are here to help lawmakers, citizens, and businesses select the best course for sustainability.

Hawai'i's energy future could be outdated, polluting fossil fuel power plants. Or it could be powered by the sun and wind, making Hawai'i a world leader in sustainability.

We could continue to allow our agricultural lands to be inappropriately developed, or we can put the brakes on sprawl and preserve our limited open space and coastline.

O u r government agencies and businesses could continue to disregard our essential environmental laws,



or we can pressure them in court and in public to comply.

We could continue to allow budget cuts to erode the capacity of our environmental agencies to enforce our laws, or we could ensure adequate funding through tourism dollars.

As members of the Sierra Club, we know what the best answers are for Hawai'i. And we have faith that protecting our environment and future is possible. Mahalo nui loa for your support.

**ALOHA,**

# Energy continued from page 1

## ELECTRIC UTILITIES

The HES calls for the construction of new generating capacity on O'ahu, Maui, Kauai, and Hawaii in the next 20 years. Nearly all of this electricity will be generated from oil- and coal- fired plants. New power plants mean economic instability as 90% of our energy needs are dependent on overseas oil. They also mean more money leaving the state—nearly \$1 billion to pay for oil alone.

With demand side management (DSM), however, we can keep oil in the ground and money in our economy. Our future power plants can be found in our homes and businesses statewide. An aggressive DSM program would help place solar hot water heaters on the nearly 80% of state homes that still use electric or gas water heating, put efficient chillers in buildings, and super-efficient lighting everywhere. But we're not doing enough DSM. For example, on Kauai, a 26 MW naptha-fired power plant is proposed—but they just began DSM program in 1998. After placing less than 30 solar hot water heaters on roofs, Kauai Electric thinks it's time for a new plant.

An essential component to demand side management is smart building. Intelligent design that utilizes daylighting, windows that open, efficient lighting, and smart building materials minimize a building's energy load. One of the newest, most creative buildings doing this is Four Times Square in New York. It uses two 200 kW fuel cells in the basement, as well as 15 kW of solar electric glazing on its upper floors to provide building electricity.

Hawai'i doesn't need to venture into uncharted territory when it comes to DSM. Sacramento, CA (roughly the same population as Oahu), shut down an 800 MW nuclear power plant and replaced it with a 400 MW DSM program and 400 MW of energy alternatives. They did it by installing photovoltaics (PV) on 450 homes, at utility expense, and then developed a buy-down program to yield another 1,500 PV roofs. Sacramento is spending about 3% of its revenue for energy alternatives, and the utility is not increasing its rates.

## OUR RENEWABLE FUTURE

Instead of watching others race into the future, it's time for Hawai'i to lead. Hawai'i has the best opportunity on the planet for demonstrating how clean energy can work. Not only do we have a diverse portfolio to draw upon (wind, solar, ocean energy, biomass, and perhaps geothermal), but we have the strength—being tethered to a superpower—and impetus to do it.

The future is decentralized renewables. No longer will we have huge dinosaurs burning fossil fuels and shipping out the electricity via 138 kV lines over scenic ridges. Simply put, the engineering economics of smaller sources are less expensive. Where do we fit in our renewables? The utilities are already figuring this out: the Sun Power for Schools program is placing photovoltaics on rooftops. We have a lot of roofspace and parking lots to use as "power plants." Wind turbines actually use only 1-3% of land where they

are located, forming an ideal partner with (organic) agriculture.

By fully embracing renewables as our energy future, we will create local wealth and jobs. Hawai'i can be the training ground for developing countries to learn how to produce clean energy. Can we afford this shift to renewables? We can't afford not to. Sacramento is making the shift quickly and easily—without raising everyone's rates.

## CHANGING THE SYSTEM

The resistance to fully embrace a renewable energy future is created by government and the utilities. Utilities are in the business of making money for their shareholders, and they are guaranteed a profit. But why should we reward them for burning more fossil fuel? The California Public Utilities Commission changed the way their utilities make money by rewarding those who cut their customers' bills. Pacific Gas and Electric, one of the world's largest utilities, says they will never build another power plant after the PUC changed its rules. Let's

follow California's lead. In the meantime, non-profits could implement their own DSM programs, taking control of a situation that utilities are clearly incapable of handling.

Our utilities, namely Hawai'i Electric Industries, are stifling the process to create change. They fight net metering legislation that would allow PV and wind customers to sell their surplus electricity back to the grid at the retail rate. Hawaiian Electric is offering incentives to retain customers who are planning to leave the grid. HEI is planning on cutting their DSM program effectively in half, citing overestimates of energy savings. And, although outside the jurisdiction of the HES, HEI's investment in coal-fired power plants in China and the Philippines should cause great alarm knowing the severity of climate change on Hawai'i.

The HES provides an opportunity to clear a path for our clean energy future, but the current draft fails. If we choose, Hawai'i can be independent of imported fossil fuels by 2050. It will be a challenge, but it's the best solution for a healthy environment and sunny economy.

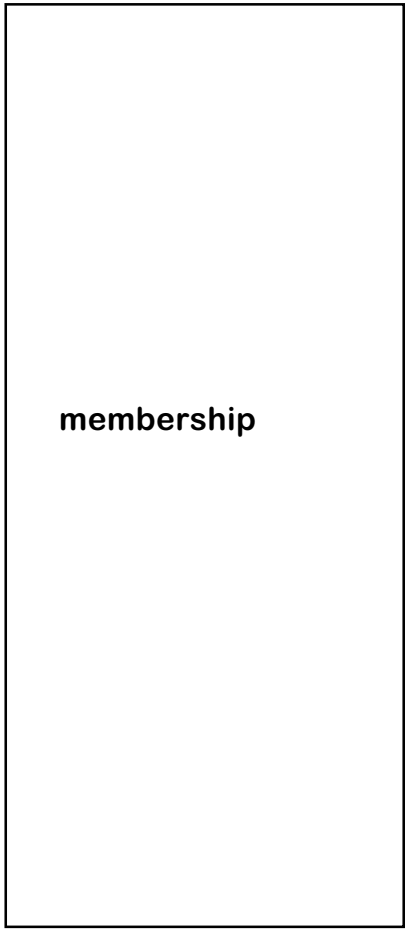
**Jurassic Park**  
*Fossil fuel plants to be built in the next 20 years:*

Oahu - HECO  
605 MW 70% coal 30% diesel

Maui - MECO  
234 MW oil and diesel

Kauai - KE  
61 MW naptha, diesel, coal

Hawai'i - HELCO  
141 MW oil, diesel, coal



The Maui Group held an election for the Executive Committee in October, appointing Neola Caveny to fill the vacant ExCom seat.

Environmental Awards Night was held at Borders Bookstore in Kahului on November 5, honoring Mary Evanson, longtime Maui Group activist and President of Friends of Haleakala National Park, and Don Reeser, Superintendent of Haleakala National Park. Both received National Sierra Club Awards, presented by Bob Bingaman, National SC Field Director, and the aloha of the over 50 people who attended. Mary has been an inspiration to so many to get out and appreciate the beauty around us, and then to get involved in preserving it. Don has been instrumental in greatly increasing the boundaries of the Park, mentioning "more to come." Earlier that day, the Maui County Council honored Mary with a special resolution for her work on behalf of the community and the environment.

On Saturday, January 29 the SC Maui Group will hold its Annual Meeting and Potluck, "Vision 2000," at the Kaunoa Senior Center in Spreckelsville from 11a.m. to 3p.m. Patricia Tummons, editor of "Environment Hawaii," will serve as guest speaker with a panel discussion on solutions for Maui's future in the areas of energy, water, native species habitat protection, coastal conservation, and protection of cultural sites. Displays and information will be available and volunteer awards will be presented. Everyone, including members and non-members, are welcome—just bring goodies to share (beverages, plates, etc. will be provided). Call 573-3454 for more info.

## Waena Power Plant Expansion

A new, expensive (\$417 million), diesel-burning power plant has been proposed for Maui. The SC Maui Group is actively opposing this project, urging greater investment in energy efficiency and modern clean technologies. Maui Group volunteer Daniel Grantham has organized informed testimony at public hearings on the issue and, aided by a grant from the National SC campaign to reduce global warming, has produced a video, brochure, and display to educate the public about better energy choices (contact Daniel at <daniel@maui.net> for more information). The County Council is expected to vote on the land reclassification in January 2000 if the plant is to proceed.

### Other issues which the Maui Group has commented:

- Opposing an application by HC&S's Pa'ia mill to burn coal in their generating plant (Maui Group ExCom member Rob Karpovich has done extensive research on this issue and has brought it to public attention).
- Opposing the Navy's ongoing sonar-based sound transmitter experiments in Maui waters, as well as their proposed LFA systems (underwater weapons detection using low frequency sounds) in Hawaiian waters and worldwide.
- Opposing encroachment of a private residence on public beach access at Chang's Beach in the Makena area.

### Maui Group Hike Schedule for 2000

Call the Hike Hotline at 573-4147, or visit [mauimapp.com/community/sierra](http://mauimapp.com/community/sierra)

## Maui Activists Unstoppable

The Maui Environmental Public Education Campaign helped coordinate a "Coastal Heritage Day" event on Nov 7, with art, music, environmental displays and guest speaker Bob Bingaman, Sierra Club Field Director from Washington D.C. Activities and displays reflected this year's Fall event theme of "Smart *Lucienne de Nae* Growth." It was a lively event with nearly 500 folks turning out, great hula and displays by Pacific Whale Foundation, Maui Surfrider Foundation, Maui Tomorrow, Sierra Club and Friends of Haleakala.

The Maui County Fair EPEC Booth (Sept 30-Oct 3) was also a great success thanks to the 28 volunteers who worked shifts and got our message out to the public. We shared display space with Maui Tomorrow. Thanks also to Daniel Grantham for his work on alternative energy outreach materials.

**Ma'alaea:** The Army Corps are still "studying" the issue, prior to releasing yet another updated version of their EIS. A big summer swell in Ma'alaea clearly showed waves heading directly into the proposed new harbor channel. Public support & interest for Ma'alaea remains high. New hearing expected in early 2000.

**Kahului Airport:** State Land Use Commissioners called for mediation efforts among airport stakeholders in September. All parties agreed in principle, then State DOT abruptly backed out. Several LUC members openly expressed their anger and disappointment with the State. After 6 months of testimony by the State's expert witnesses, Commissioners have heard that the state and County have absolutely no proof that airport expansion will improve Maui's

economy. Commissioners also learned that the State's alien species interception efforts are understaffed, poorly equipped and underfunded at Honolulu and Maui airports. The State's alien species consultant called the Kahului Airport program "dismal." Meanwhile, Hawaii residents are paying \$2 million a year to USDA inspectors in Hawaii to keep local pests from being transported to California.

As a result of citizen pressure, State DOT head for Maui, Bob Siarot, announced at a public meeting Oct 21 that the proposed elevated cloverleaf for the new Kahului airport access road "was dead." A Sierra Club sponsored visitor survey (forwarded to Siarot) had shown that the urban style interchange was very unpopular with visitors.

Federal court challenge to Kahului airport EIS was heard on November 3 with judgment expected by end of year. State EIS case (SC is a party) was heard in Wailuku on Dec 6 & 7. Airport coalition is gathering public opinion to support mediation. We continue to share research and materials with Kaua'i Group members fighting Lihue expansion. Bottom line: How can a state the size of Hawaii pay the costs of operating 5 international airports (if Kahului and Lihue are internationalized), when they are not doing an effective job at the three they already have? The numbers just don't support the theories.

**National "Smart Growth"/Stop Sprawl Campaign:** Maui EPEC continues to develop materials and speak at conferences to urge sensible, cost effective planning and protection of our natural and cultural resources. Maui County is beginning a new long range planning process in 2000 and we are looking forward to getting much more public involvement and incorporating "smart growth" strategies into that plan.



## **Moku Loa Group Garage Sale a Grand Success!**

Our September garage sale was a grand success—we realized a total of \$825.00. Mahalo nui loa to all those who donated their goodies, time and expertise to help transport, sort and sell. Mahalo to Sarah Moon, Cathy Lowder, Ann Rickard, Annette Felix, George Yamashita, Cornelia Anguay, Sue Bostick, Bruce Karolle, Roberta Brashear, Ed Clark and Debbie Ward. A special thank-you to Susan Hicks for graciously making her home and grounds available for the big event. Without everyone's cooperation we could not have succeeded!

## **Good Food + Good Company = A Good Time had by All!**

Mahalo to Sierra Club members who helped make our MLG Annual Membership Party on October 16, 1999 a fun and interesting evening. Big Island members got to meet and hear from Jeff Mikulina, Director for the Hawaii Chapter of the Sierra Club. Making his debut here, he explained his role and gave some inside stories on his lobbying efforts at the State legislature. David Frankel, Hawaii Chapter Chair, was also introduced.

Lisa King, formerly with National Fish and Wildlife on Midway Atoll, gave an inspiring talk with slides of the National Wildlife Refuge on Midway, featuring it's millions of birds and other natural wonders. Martha Hoverson also presented some wonderful slides of marine life and birds. Annette Felix shared her photos from an Elder hostel service trip there in March 1997. Jan and Sarah Moon waxed enthusiastically about their two week visit in June 1998, displaying Jan's silk artwork inspired by the natural beauty of Midway. Many thanks to our MC and Chair Roberta Brashear and the other Excom members Sarah Moon, Edith Worsencroft, Kevin Hopkins, Ed Clark and Nelson Ho who helped organize this event!

## **Outing Leaders Gather at Sacred Place of Refuge on Halloween**

Twelve Outing Leaders met for two days and one night at Pu'u Honua O Honaunau National Historical Park for a rigorous week-end of First Aid Training scenarios, native plant study and hike planning for the first half of the year 2000. Accommodations were at Hale Na Opio O Ka Aina, a spacious cabin located mauka of the park, with spectacular views of Pu'u Honua and Kealakekua Bay. Included in this retreat were two hours of service work in the Park. Our enthusiasm was so great, Ranger Vic Bio gave us a special tour

which was so inspiring many members were planning to return for more service there. Mahalo to Cathy Lowder for orchestrating the First Aid Scenarios on the trail, Roberta for the updates on Outings Bylaws and the Red Book, and Edith Worsencroft and Sue Bostick for organizing the food. Mahalo nui loa to the other attendees: Scott Mandel, Annette Felix, Jan Moon, Sarah Moon, Gloria Amaral, Diane Ware, Debbi Uchida, and Phil Barnes for giving of their time and dedication to Sierra Club Outings. Other leaders and those interested are invited to the Leadership training on Saturday January 29, 2000. For more information contact Sarah Moon @ 935-3475.

## **Program: "Sierra Club: Battle for the Everglades" Slide Show on Thursday January 27, 2000**

Program will be at 875 Komohana Street, the Komohana Agriculture Complex in Hilo, Conference Room # 1 upstairs. There will be a potluck at 6:00 pm followed by the slide show at 7:00 pm. Presentation is open to the public and all members are encouraged to attend. Bring a dish and a guest to our first program for the Millennium. Contact Roberta Brashear for more info at 966-7002.

## **Hawai'i Service Trip Program**

*Scott Rowland*

The Hawai'i Service Trip Program has a full slate of projects this winter! We have been restoring the Palikea-Palehua trail in the Nature Conservancy's Oahu Honouliuli preserve since October. We will be working Saturdays and Sundays in the new year. The work consists mainly of building stairs out of recycled plastic wood. Check out our web page (see below) for exact days and times. The public can access this trail during regularly scheduled guided hikes by the Nature Conservancy (call 677-1674).

We will kick off the new millennium by running two concurrent 8-day service projects on Maui, January 2-9. One of these will be in the Ke'anae area, restoring a trail and installing signs within a botanical garden. The other trip will be in the Auwahi preserve, outplanting native plants and installing a water-delivery pipe. Check the web page for details.

During Spring Break of 2000 we are tentatively planning a fence-building trip to Kalaupapa National Monument. The HSTP web address is: <http://www.geocities.com/Yosemite/Trails/1310/hstp/index.html>

B/C PASTE UP



## **Volunteer Spotlight**

Former schoolteacher Steve Tearney volunteers with the Sierra Club because "we have to protect what little there is left." Steve works in the Chapter Office once a week performing

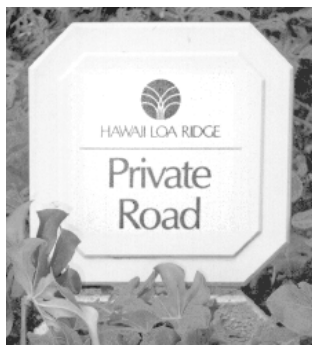
membership services and research.

*If you are interested in volunteering in the Chapter Office, call 538-6616.*

## SUVs: assaulting our roads, atmosphere

While we must hold our electric utilities accountable for their greenhouse gas contributions, ground transportation in Hawai'i makes up nearly 25% of greenhouse gas emissions. Between 1990 and 1997, the fuel efficiency of our cars and trucks decreased 7%. Why? Sport utilities and light trucks are the vehicles of choice for today's island commuters. But considering that most trips in Hawai'i are made with only the driver on board, their added size is pure waste. Not only are we clogging our streets and highways, risking our lives, and ruining our environment with these sport utes, but we're draining money from the state. The average resident expends 3% of his or her total expenditures on motor fuel, an estimated \$679 million annually.

Improving our vehicles' fuel efficiency is one of the largest steps we can make to reduce our greenhouse gas emissions. Cars coming to market now, like the Toyota Prius and the Honda Insight, are hybrid gasoline/electric vehicles that get up to 70 miles per gallon. Besides fuel economy, we need to reconsider our modes of mobility: public transit, carpooling, telecommuting, and bicycling are better than driving alone. Better yet, smart land use planning and stopping sprawl gets people out of their cars.



## Public Access?

For over a decade, Hawai'i Loa has restricted access to public lands behind their gated community. The Hawai'i Chapter ran a full-page ad in the daily papers to educate the public on the issue. A suit has been filed against Hawai'i Loa and Honolulu by out-of-state hikers. Bills will be brought to the legislature to ensure that gates don't come between hikers and trails in the future.



*This anchor is set illegally -- a mooring pin was within 100 yds*

## Wrecking Reefs

The Oahu Group tipped off the Department of Land and Natural Resources on illegal anchoring activities taking place by dive operations in Maunalua Bay. Certain dive shops have been setting anchors on the fragile coral reef when the administrative rules call for vessels to tie up to mooring pins--if they are within 100 yards. Not only do the massive anchors break through the coral (as shown with the "V" cut in the reef above), but the chain can pop off coral heads and scrape along the reef surface. Turtles and other species use the natural shelves for protection. The irony of the illegal practice is that it ultimately hurts those that rely on the reef and the species it holds for their business: dive boat operations.

## Maui: Spreckelsville or Sprawlsville?

Public education efforts conducted by the Maui Group and supported by several other local community planning organizations have inspired hundreds of citizens to speak out against Alexander & Baldwin's proposed degradation of 13 acres of wooded dunes along Kapuka'ulua (Baldwin) Beach and call for "smart growth" on Maui's north shore. Business owners, parents, students, lifeguards, and kupuna, as well as Maui Group activists, recently filled Council chambers during a series of public meetings to oppose the sprawling construction proposals of the corporate mega-landowner: 30 beachfront homes on Baldwin Beach, and a 9-hole golf course nested in a 420 house subdivision on 212 acres of prime agricultural land mauka of the highway.

Concerned residents and Maui Group activists have held three roadside rallies in Spreckelsville and Paia, and have appeared on local television and radio to challenge a planning process that has skirted not only environmental review but also public scrutiny. In

order for A&B to proceed, the project requires the County to reclassify the zoning of the prime agricultural land to single-family housing. The Maui Group hopes to have the Council transfer the area to the Pa'ia-Ha'iku Community Plan from the more urban Wailuku-Kahului Plan. The transfer would force the project to face a community plan amendment process and true public scrutiny.

Group members have met with Council representatives and provided them with a long list of approved government and private projects that will create several jobs and fuel hundreds of millions of dollars into the Maui economy, directly refuting claims from the construction industry that their members depend on this project for jobs. Over 3,300 people have signed on to a petition calling for coastal land conservation. A decision is expected from the council in January. Maui Group activist Rob Parsons has been instrumental in the effort.

**Richard Lafond**

As we enter into a new century our conservation goal of “For our families, For our future” becomes ever more urgent. Here on Kauai we are fortunate to still delight in wondrous places in nature as they were created, untouched by the imposition of structures...an isolated beach here, a mountain ridge there. But they are facing constant attack from those who would exploit nature rather than honor it. The quest for growth and profit obscures foresight and conscience. We who dedicate ourselves to protecting the last on our endangered list of places of natural splendor, may be the only hope that any of these threatened treasures will survive intact into the next century.

Judy Dalton

Why should we care about the people who will inhabit our world a century or even a millennium from now? Because we know they will have the same needs as we do now...the need for solace, to be uplifted, the need to be nurtured. Nature fulfills our basic requirements for well-being, holeness, and stability. If this gift that nature provides us is not available for future generations, a sad and devastated planet will be left to minimally survive.

The fate of our precious remnants of nature depends on us. Decisions are made daily to determine which will be saved or lost, affecting the future of our fragile islands. Each issue of *The Malama* is filled with stories of valiant attempts to save our natural heritage. Often our struggle cannot stand up to the power and money that govern some of the decision makers. Yet occasionally the long and frustrating weeks and months of relentless dedication to a cause result in saving something unique and wonderful for the future. Sometimes it just takes a few committed individuals to prevail in protecting a place of natural loveliness - a legacy for generations to come. Will YOU be one of them?

## GENERAL PLAN UPDATE

Kauai Group Ex-comm members Rob Culbertson and Barbara Robeson have been working for almost two years on the Citizens Advisory Committee (CAC) to update the Kauai General Plan which will affect our island for the next twenty years. Barbara recently wrote the vision statement for the Citizen Participation task group which proposes a bottom-up decision making process—incorporating citizens input for land use planning—rather than the present, unresponsive and largely dysfunctional, top-down approach.

The CAC expressed dissatisfaction (11/23 mtg) with the mayor's request to suddenly fast track the General Plan Update. It would not only eliminate the final CAC recommendations to the discussion Draft Plan, but also cutout citizen participation on the final Draft. At this writing a solution is being discussed to proceed including these vital elements of the process. To keep informed about the General Plan Update you can visit: [www.waimea.hawaiian.net](http://www.waimea.hawaiian.net). Please check the newspaper to see if and when you will have the opportunity to participate in the Planning District meetings.

## KAUAI ELECTRIC POWER PLANT

The Kauai Group has been working in varying capacities to

support communities around the island directly affected by development, particularly the residents of Hanama'ulu. Out of the upset over the Planning Commission's approval of a use permit for Kauai Electric's fossil fueled power plant in Hanama'ulu, Citizens for Clean Air (CCA) was formed and a law suit initiated against the Planning Commission challenging the legality of the procedures. Chapter Chair David Frankel has freely given his advice and volunteered as a consultant to John Rapacz, an attorney on Maui, who has taken the case.

The operation would directly affect the health and welfare of Hanama'ulu and Lihue residents. According to the EIS, air emissions of toxic substances such as particulate matter, nitrous and sulfur oxides would be significant. Because Hanama'ulu is predominantly a Filipino community, it is affected by the executive order for Environmental Justice which protects minorities from construction of power plants near their homes. Since the project would need a permit from the Department of Health Clean Air Branch, necessitating review by the EPA which must comply with the executive order, there may be a chance to derail it at this juncture. The power needs of Kauai in the future could be met by conservation and renewable energy. We would like to see a program instituted for widespread installation of solar hot water heaters. If you'd like to become involved with the Citizens for Clean Air, please call Rob Culbertson (246-8748) or Judy Dalton (246-9067).

## KUKUI'ULA

A & B's approval from the County Council for 700 resort units at Kukui'ula is far beyond the number of resort units allowable and overextends our visitor carrying capacity according to projections determined by the CAC. The Kauai Group presented testimony pointing out that when the council members were running for office last November, they participated in a poll which asked, “Should the County wait indefinitely for the closed hotels to reopen, or allow others to move forward in other locations even if that means changes in zoning?” None of the respondents to this questionnaire favored zoning changes to allow more hotels. Yet when it came to the vote for A&B's project, they did not stand by their stated principles. The one exception was Gary Hooser. Mahalo, Councilman Hooser, and we will remember your lone stand next election time.

## LIHUE AIRPORT EXPANSION

The Sierra Club has been at the forefront of opposing the Lihue Airport expansion. The proposal is troubling, as the environmental and social impact would be substantial and irreversible.

Opposition to a proposed County Council endorsement of expansion without adequate knowledge of the impacts, has led the Council to ask the State Judiciary's Center for Alternative Dispute Resolution to facilitate an extensive process of information gathering and community input and education on the potential impacts of expansion or non-expansion. The Council itself can only make an endorsement of support, qualified support, or opposition to the expansion. It has no authority over the Department of Transportation on the matter.



# O`AHU GROUP OUTINGS

JANUARY - MARCH 2000

## Sunday, January 9

*Pahole Natural Area Reserve Service Project* Variable/Moderate/Ridge/Mokuleia If you love native plants and want to help them thrive, here's your chance. We'll be building trails, helping control invasive plants, and outplanting native plants on this service project. Second meeting place is at Waialua High School at 8:45 a.m. Leaders: Betsy Weatherford 526-3986; Bob Moore 942-2734

## Saturday, January 15

*\*Kawaewae Heiau Service Project* This 1/2-day project involves the removal of vegetation to help in the restoration of this sacred site. Enjoy great views of Kaneohe Bay and the Koolau Range. Bring plenty of water, a snack, rain gear, insect repellent, gloves, and tools (sickles, pruners, hand saws, gas weed trimmer). Leaders: Ed Mersino 455-8193; TBA; asst. Sherine Boomla 739-3936

## Sunday, January 16

*Papali Trail Family Hike* 3.5mi/Easy/Ridge/Hauula For adults and children age 5 and up accompanied by an adult, or younger in child carrier. A pleasant up and down ridge walk-learn the meaning of Makao, see the papala plant and beautiful scapes. Meet at 1 PM at Hauula Beach Park (E2 on Bryans Sectional Maps page 48). Call for car pool possibility. Wear hiking boots or running shoes (no sandals). Bring water, snack, raingear and sunscreen. Leaders: Suzan Harada and Reese Liggett 732-4489.

*Kuaokala* 8mi/Moderate/Ridge/Makaha This is a great hike along the Waianae Range that provides wonderful views of Makua Valley and west Oahu. Not for those uneasy about heights. Leaders: Gwen Sinclair 734-3214, Joanna Yin 734-5323; asst. Sherine Boomla

## Saturday, January 22

*Kaena Point Natural Area Reserve Service Project* 1-2mi/Easy/Coast/Mokuleia Kaena Point needs your help to remove invasive plants that endanger this rare native coastal ecosystem. Sunscreen, hats and even raingear are all recommended. It is likely that we will see spinner dolphins and possibly albatross, and an endangered Hawaiian monk seal. Meet at 8:30 a.m. at the end of Farrington Highway in Mokuleia. Leaders: Annette Kaohelaulii 235-5431; Ralph Toyama 941-0460

*Miconia Removal* 2mi/Strenuous/Ridge&Valley/Upper Manoa or Kalihi Uka Help remove evil miconia! Bring insect repellent & rain gear. Work area is off trail and brushy; long pants/shirt & clear lens eye protection needed. Bring a machete IF you are handy with one. Leaders: Pat Conant 967-7346, Joby Rohrer 656-7641

## Sunday, January 23

*Sierra Seminar: Puu Kua* 5mi/Strenuous/Summit/Kunia Reservations Required. Interesting interpretive hike to a striking peak in the center of the Waianae Range. Leader training credit. Leaders: Atomman Kimm 234-7204, Gina Goodman

## Saturday, January 29

*Sierra Seminar: Campbell Wildlife Refuge* 2 mi/Easy/Kahuku Reservations Required. Join us for this interpretive trip to see native Hawaiian and migratory birds. Leader training credit. Leaders: Annette Kaohelaulii 235-5431; Judy Buffington; asst. Sharon Reilly

## Sunday, January 30

*Heleakala* 6mi/Very Strenuous/Ridge/Nanakuli 7:30 a.m. meeting time. Not for those uneasy about heights. Climb to 1,900 ft in the first hour, then descend about 1,000 ft before making the final ascent to 2,200 ft. Bring lots of food, water & sun protection. Leaders: Amy Kogut 625-3924, Randy Ching 944-9471

## Saturday, February 5

*Kaena Point Natural Area Reserve Service Project* See January 22 for details. Leaders: Inger Lidman 566-6164; Helen Sing 261-9044

## Sunday, February 6

*Ihiihilanakea Crater* 3mi/Moderate/Ridge/Koko Head See Hanauma Bay from a new angle, maybe whales, and rare coastal plants. Leaders: Sue Garner 988-0481; Betsy Weatherford 526-3986

### ALL SIERRA CLUB OUTINGS

Sierra Club Outings are conducted according to Club policy and under the direction of certified outings leaders. Our Outings are group activities and all participants are expected to follow leaders' instructions and to remain with the group for the entire outings. We welcome all Sierra Club members, non-members and visitors on most of our outings; however certain outings may be restricted to members. Firearms (unless specifically allowed), and audio devices with or without headsets are prohibited. Smoking is only permitted at breaks and then only if the smell of smoke cannot be detected by other hikers. Outing leaders may prohibit smoking if, in their judgment, a fire hazard exists. Bring with: a liter of water (2 liters for strenuous hikes), lunch, sunscreen, insect repellent, rain gear/jacket and day-pack. Boots, shoes with traction grooves (heeled footwear are best no loafers), or tabs or tabs are required. No bare feet or sandals of any type will be allowed on O'ahu outings. Sign in on the roster and pay the fee. When signing in participants will be required to acknowledge their understanding that Sierra Club carries no participant insurance and that participants assume all risks for any car pooling as well as the outing being undertaken.

### O`AHU GROUP OUTINGS INFORMATION

Unless otherwise stated in the Outing description, participants meet at 8:00 a.m. at the back porch of the Church of the Crossroads, 2510 Birgham Street. Do not leave your car in the church parking lot. Participants in windward outings which are designated with an asterisk may also meet at 8:15 am at the First Hawaiian Bank parking area in the windward City Shopping Center. (Intersection of Likelike and Kanehaha Highway in Kane'ohu). Cost for participants age 14 and under and Sierra Club members with a membership card is \$1; cost for all others is \$3. Participants under 18 years of age must be accompanied by an adult.

## O'ahu Outings continued from page 9

### Sunday, February 13

*Palehua-Palikea* 4mi/Easy/Ridge/Makakilo Reservations required. Not for those uneasy about heights. Come look at the improvements made last fall by volunteers in this Nature Conservancy preserve. Leaders: Atomman Kimm 234-7204; Mel Yoshioka

### Saturday, February 19

*\*Kawaewae Heiau Service Project* See January 15 for details. Leaders: Jim Waddington & Cindy Waddington 947-2732

### Sunday, February 20

*Likeke Late Hike* 6mi/Moderate/Contour/Likelike Meet at 12:00 at the First Hawaiian Bank parking lot in the Windward City Shopping Center. Nice waterfall hike between the Likelike and Pali Highways, named for veteran hiker Dick Davis. Leaders: Gwen Sinclair 734-3214; TBA

*Pahole Natural Area Reserve Service Project* Variable/Moderate/Ridge/Mokuleia See January 9 for details. Leaders: Ed Mersino 455-8193; Maile Sakamoto 946-5712

### Saturday, February 26

*Miconia Removal* See January 22 for details. Leaders: Pat Conant 1-808-967-7346; Kapua Kawelo 239-9230

### Sunday, February 27

*Hapapa a Kaneboa* 9mi/Strenuous/Ridge/Kunia Reservations required. 7:30 a.m. meeting time. Not for those uneasy about heights. Enjoy stunning views and native forest - and maybe tree snails! Leaders: Randy Ching 944-9471; Bill Gorst 235-2346; asst. Sharon Reilly

*Hauula Loop Family Hike* 3mi/Easy/Ridge/Hauula. For adults and children 5 and up accompanied by an adult, or younger in child carrier. A pleasant ridge hike with ups and downs as well as nice vistas. Meet at 1:00 p.m. at Hau'ula Beach Park. Call for car pool possibility if you can give ride or need ride. Wear hiking boots or athletic shoes (no sandals). Bring water, snack and rain gear in back or fanny pack. Leaders: Reese Liggett & Suzan Harada 732-4489

### Saturday, March 4

*Ala Wai Boat Harbor Cleanup* Help make the harbor a point of pride and encourage the return of sealife to the area. We will work from the docks, using scoopers and nets to gather up flotsam and jetsam. Meet at 8:00am at the Harbor Master's Office, between the 3rd and 4th row of boats behind the Ilikai Hotel. Wear sturdy shoes with gripping soles and bring a hat, thick gloves, sunscreen and water. Free! Leaders: Sharon Moran 955-4194; Judy Buffington 955-2820

*Pahole Natural Area Reserve Service Project* Variable/Moderate/Ridge/Mokuleia See January 9 for details. Leaders: Ed Mersino 455-8193; Sylvianne Yee 373-3062

### Sunday, March 5

*Koko Crater Late Hike* 3mi/Moderate/Summit/Koko Crater Not for those uneasy about heights. Meet at the Koko Head side of the Foodland parking lot at the Koko Marina Shopping Center at 12:30 p.m. Enjoy great views and a snack at the pillboxes. Leaders: Mike Gawley 254-3424; Joanna Yin 734-5323

### Sunday, March 12

*Kalena* 7mi/Strenuous/Summit/Kolekole Not for those uneasy about heights. It's a steep climb, but well worth it for one-of-a-kind views. Leaders: Lin Black 247-8845; Randy Ching 944-9471

### Saturday, March 18

*\*Kawaewae Heiau Service Project* See January 15 for details. Leaders: Annette Kaohelaulii 235-5431; Betsy Weatherford 526-3986

### Sunday, March 19

*Manoa Cliff Trail to Puu Obia* 7mi/Moderate/Contour/Tantalus Enjoy views of Manoa Valley and some nice native plants in a shady forest. Leaders: Jim and Cindy Waddington, 947-2732

*Kaena Point Natural Area Reserve Service Project* 1-2mi/Easy/Coast/Mokuleia See January 22 for details. Leaders: Sue Garner 988-0481; Sherine Boomla 739-3936

### Saturday, March 25

*Miconia Removal.* See January 22 for details. Leaders: Pat Conant 1-808-967-7346; Joan Yoshioka 621-0787

### Sunday, March 26

*Sierra Seminar - Waianae Kai* 3mi/Moderate/Ridge/Waianae Reservations required. Take a walk on the wild side to see native plants and tree snails. Leader training credit. Leaders: Gwen Sinclair 734-3214; Amy Kogut

### Saturday, April 1

*Kaena Point Natural Area Reserve Service Project* 1-2mi/Easy/Coast/Mokuleia See January 22 for details. Leaders: Doreen Swan 739-0029; Ralph Toyama 941-0460; Asst. Sharon Reilly

### Sunday, April 2

*Waimano Ridge & Valley (Partial)* 6mi/Moderate/Contour/Pearl City Hike down into the valley, then back up onto the Waimano Ridge Trail, where we'll see an old ditch and climb around some narrow spots. Leaders: Adam Liss 732-5660; Atomman Kimm 234-7204

### Saturday, April 8

*Miconia Removal* See January 22 for details. Leaders: Pat Conant 1-808-967-7346; Joby Rohrer 656-7641

### Sunday, April 9

*Maunawili Trail from Waimanalo* 8mi/Moderate/Contour/Maunawili Take the road less traveled halfway up the marvelous Maunawili Trail. Nice views and lovely plants. Leaders: Joanna Yin 734-5323; Ron Chock 262-0154.

# SERVICE PROJECT DESCRIPTIONS

## **Hakalau National Wildlife Refuge, Hawaii**

The U.S. Fish and Wildlife Service, which manages this refuge, is in the process of creating a makai-mauka corridor of native vegetation which native forest birds can use in their migrations up and down the slopes of Mauna Kea. The service projects usually involve the removal of alien plant species such as banana poka and planting native plants. Accommodations are at a small but well equipped cabin at the 6,200 foot elevation with electricity, running water, a flush toilet, a hot shower, kitchen, and five bunk beds with mattresses. Participants need to bring their own sleeping bags. At this high elevation, cold inclement weather is always a possibility, so proper warm clothing and footwear and good quality raingear are mandatory. Raingear can be borrowed from the Refuge. The free time activity may include a hike in a koa-ohia forest to observe native forest birds, some of which are on the endangered species list.

## **Kalaupapa National Historical Park, Molokai**

This trip allows participants to visit the Hansen's Disease settlement on the north shore of Molokai. The Kalaupapa National Historical Park was established in 1980 to preserve and interpret the natural and historic aspects of the area and maintain the community for the residents. We will help restore habitat and eradicate alien plants. Accommodations will include electricity, hot showers, flush toilets and kitchen facilities. Free time activities may include going to the beach and visiting the old settlement of Kalauao and St. Philomena Church which was built by Father Damien. This service project is limited to Sierra Club members who have been on at least one other Sierra Club three-day service project.

## **Kamakou Preserve, Molokai**

The Nature Conservancy's Kamakou Preserve is located in the mountains of East Molokai. The work usually involves the removal of alien plant species which are encroaching into the preserve or a beach clean-up. Accommodations are at a wooden barracks-style building with electricity, kitchen, hot showers, flush toilets, and metal frame beds. The barracks are at an elevation of 2,200 feet and the work projects may be at a higher elevation, so warm clothes and raingear are needed. Free time activities may include a hike through a pristine rain forest at Pepeopae Bog or a visit to the sand dune ecosystem at Moomomi Beach.

## **Kanepuu Preserve, Lanai**

The Nature Conservancy's Kanepuu Preserve is at about 1,800 feet near the Garden of the Gods. Work will involve habitat restoration of a native mesic (lowland) forest and alien plant species eradication. Accommodations will be at a camping facility with water, warm solar showers and a camp kitchen. There are five large tents for the participants to use or you can bring your own. Weather conditions can be cool and rainy and participants will need to bring sleeping bags, warm clothing and raingear. Free time activities may

include visiting beautiful Hulupoe Bay (a playground for dolphins) or exploring other parts of the island.

## **Kilauea Point National Wildlife Refuge, Kauai**

This refuge is at a beautiful, windswept setting at the northernmost tip of the island of Kauai. The service projects usually involves the removal of alien plants and the planting of the native coastal vegetation that seabirds use to build their nests in order to improve the habitat for their nesting and breeding. Seabirds, whales, Hawaiian monk seals, turtles and dolphins are often seen. Accommodations are on the lower level of the Visitor Center on the Refuge property. Amenities include electricity, a kitchen, folding futons to sleep on, modern restrooms and a hot shower. Free time activities may include hiking on the refuge or the Na Pali Coast or kayaking.

## **Manuka Natural Area Reserve, Hawaii**

Manuka contains one of the few relatively undisturbed ancient native lowland forests in Hawaii. The work may include clearing alien weeds from a 150 acre kipuka on the slopes of Mauna Loa. We will stay in a three bedroom cabin at 1,600 feet elevation at Kiolakaa, 20 miles south of the Reserve. The cabin has hot showers and a gas range, but no electricity. There is bed space for five and plenty of tent space on the lawn. Free time activity may include bird watching, a visit to Ka Lae (South Point) or a hike along the wilderness coastline of the Reserve to a black and green sand beach.

## **Nene o Molokai, Molokai**

The Nene o Molokai Foundation has acquired several wetland properties for bird habitat. The work may include clearing guinea grass, koa haole and kiawe in preparation for the planting of native plant species for a nene goose habitat. Accommodations include bathrooms with hot showers, kitchen, space for sleeping (either on beds or on the floor), and an ocean front lawn large enough to pitch a tent if you prefer. Free time activity may include guided tours of wetland bird habitats, visits to various interesting farming ventures, sightseeing, and visiting the Kanemitsu Bakery in "downtown" Kaunakakai.

## **Puuwaawaa Wildlife Sanctuary, Hawaii**

Puuwaawaa consists of 3,806 acres of forested land between 4,000 and 6,500 feet on the northern flank of Hualalai volcano in North Kona. Volunteers may assist in fence building or alien vegetation control. Participants should be strong and fit in order to move fencing material over rough terrain. Accommodations include a cozy cabin for eight people and an outside grassy area for tents. A generator provides electricity and a Paloma heater provides hot showers. Free time may include a hike through a forest dominated by koa and other endemic trees or exploring lava tubes. Exceptionally rich flora and fauna offer the ideal opportunity to observe and photograph a variety of native plants and birds.

# Year 2000 Oahu Group Service Project Schedule

*Oahu Group Service Projects provide an excellent opportunity for environmental volunteers to experience unique places that are closed to the public. To apply for any Oahu Group Service Project, mail a \$25 (per person) deposit check, payable to the leader listed first in the schedule, to his/her address listed below. Reservations cannot be made by phone. Trip fees will range from about \$145.00 to \$175.00 and will cover the cost of round trip air fare, ground transportation, meals and a portion of the leaders' expenses. It is important to make your service project deposit early, as many trips fill quickly. On a service project, we normally work for the preserve for two days and have one day free for biking or other recreational activities. The participants will share in the preparation of meals and clean-up. Participants will live together in facilities that are probably more cramped and rustic than they are used to. Therefore, it is important that the participants have a cooperative and positive attitude and a willingness for teamwork. All trip participants are accepted subject to approval by the leaders based upon the participant's experience, disposition, and physical condition. Deposits will be returned to any participants who are not accepted. On service projects that are especially popular, the leader will also have the option to give preference to current Sierra Club members and Oahu residents.*

## MARTIN LUTHER KING WEEKEND

January 15 to 17, 2000

### Kilauea Point National Wildlife Refuge, Kauai

— Leader: Annette Kaohelauii, 45-403 Koa Kahiko Street, Kaneohe, HI 96744; Coleader: Denby Fawcett

## PRESIDENT'S DAY WEEKEND

February 19 to 21, 2000

### Nene o Molokai, Molokai

— Leader: Mel Yoshioka, 94-260 Kaholo Street, Mililani, HI 96789; Coleader: Mike Gawley

## PRINCE KUHIO DAY WEEKEND

March 25 to 27, 2000

### Kilauea Point National Wildlife Refuge, Kauai

— Leader: Arlene Buchholz, 3138 Paty Drive, Honolulu, HI 96822; Coleader: Bob Moore

### Manuka Natural Area Reserve, Hawaii

— Leader: Randy Ching, 1560 Kanunu Street, Apt. 818, Honolulu, HI 96814; Coleader: Joanna Yin

## EASTER WEEKEND

April 21 to 23, 2000

### Kalaupapa National Historical Park, Molokai

— Maile Sakamoto, 2335-A Oahu Avenue, Honolulu, HI 96822; Co-Leader: Dave Lassner. This service project is limited to Sierra Club members who have been on at least one other Sierra Club three-day service project.

## MEMORIAL DAY WEEKEND

May 27 to 29, 2000

### Hakalau National Wildlife Refuge, Hawaii

— Leader: Judy Buffington, 500 University Avenue, #1130, Honolulu, HI 96826; Co-Leader: Vernon Knight

### Kanepuu Preserve, Lanai

— Leader: Joanna Yin, 4835 Matsonia Drive, Honolulu, HI 96816; Co-Leader: Randy Ching

## KAMEHAMEHA DAY WEEKEND

June 10 to 12, 2000

### Puuwaawaa Wildlife Sanctuary, Hawaii

— Leader: Mel Yoshioka, 94-260 Kaholo Street, Mililani, HI 96789; Co-Leader: Mike Gawley

## ADMISSION DAY WEEKEND

August 18 to 20, 2000

### Manuka Natural Area Reserve, Hawaii

— Leader: Jim Waddington, 1545 Nehoa Street, #301, Honolulu, HI 96822; Co-Leader: Cindy Waddington

## LABOR DAY WEEKEND

September 2 to 4, 2000

### Hakalau National Wildlife Refuge, Hawaii

— Leader: Bob Moore, 1634 Makiki Street, Apt. 906, Honolulu, HI 96822; Co-Leader: Betsy Weatherford

## VETERAN'S DAY WEEKEND

November 10 to 12, 2000

### Kaulapapa National Historical Park, Molokai

— Leader: Annette Kaohelauii, 45-403 Koa Kahiko Street, Kaneohe, HI 96744; Co-Leader: Betsy Gagne  
This service project is limited to Sierra Club members who have been on at least one other Sierra Club three-day service project.

Kamakou Preserve, Molokai — Tentative.

## THANKSGIVING WEEKEND

November 24 to 26, 2000

Nene o Molokai, Molokai — Tentative.

B/C PASTE UP

# KAUAI GROUP OUTINGS

## **Sunday, January 9**

*Waipo'o Falls, Koke'e* Moderately strenuous/ 2.5 miles. Start out the new year on the right foot hiking one of the island's favorite trails. Views, views, and more views along this spectacular hike. Leader: Judy Dalton 246-9067

## **Saturday, January 15**

*Waimea Canyon Road Cleanup* West Side/Easy/ 2 mile stretch of highway cleanup. Our casual morning cleanup of our adopted highway usually requires less than an hour and 30 minutes and ends with a brunch in sunny Waimea. Leader: Rob Culbertson 246-8748

## **Sunday, January 18**

*NTBG Bird Count* South Side/Moderate/3 miles. Count numbers of species of waterfowl along Lawai stream in National Tropical Botanical Garden to accumulate information for a stream restoration project in Lawai Garden. The results of the restoration project may have applications for other streams on Kauai. Leader: Bob Nishek 822-9235

## **+Thursday, January 20**

*Haena Beach* North Shore/Easy/3 miles. The great sand beaches of Haena are a wonderful place to catch a sunset and moon rise. We especially welcome new members for this walk to become acquainted with the Kauai'i Group. Leader: Kathy Valier 826-7302

## **Sunday, January 23**

*Makaleha Stream* East Side/Strenuous/4 miles. This hike up a valley begins on a winding trail through a bamboo forest. The trail drops down to the valley floor and consists of a long, in stream, rock hop to the Falls of Makaleha. Leader: Bob Nishek 822-9238

## **Sunday, January 30**

*Powerline Trail* East Side/Moderate/5 miles. Starting at Keahau Arboretum near Kapaa, we will climb through unending vistas, culminating with a view of Kapakanui and Kapakaiki Falls. Leader: Harry Guiremand 823-8335

## **Saturday, February 5**

*Sleeping Giant* East Side/Moderate/3.5 miles. This well maintained trail, though frequently steep, passes through wild patches of ti and pandanus to reach the peak of Nounou Mountain where we will enjoy panoramic views of the entire east side of Kauai. Leader: Harry Guiremand 823-8335

## **Saturday, February 12**

*Okolehau Trail* North Side/Moderate/5 miles. Okolehau is our adopted trail that follows the crest of a ridge that runs up Hihimanu Mountain. The windward side of the ridge has great views of Hanalei Valley, the leeward, Hanalei Bay and Waioli Valley. Leader: Kathy Valier 826-7302

## **Friday, February 18**

*Maha'ulepu Beach Full Moon Walk* South Shore/Moderate/4 miles. Delight in the wonders of this magnificent coastline from Shipwreck Beach to Maha'ulepu. We begin with the afternoon sun and return under the light of a full moon. Leader: Judy Dalton

246-9067

## **Saturday, February 26**

*Ditch Trail* Koke'e/ West Side/Strenuous/8 miles The Ditch Trail runs along the top of Poomau Canyon with scenic views of waterfalls and canyon lands. Leader: Bob Nishek 822-9238

## **Sunday, February 27**

*Okolehau Service Hike* North Side/Strenuous Hike and Work/ 5 miles Help maintain our beautiful adopted trail that follows the crest of a ridge running up Hihimanu Mountain. Leader: Kathy Valier 826-7302

## **Saturday, March 4**

*Hanalei River Kayak Trip and Clean-up* North Shore Join us on a kayak trip along our American Heritage River. We'll keep its banks looking clean and beautiful while we glide along its gentle flow in kayaks provided gratis by Kayaks Kauai (or bring your own). Leader: Judy Dalton 246-9067

## **Sunday, March 5**

*Kawaiiele Bird Watch* West Side/Easy/Little Walking The water-filled sandpits of Kawaiiele are a preserve for waterfowl. Bring binoculars and a bird book. Leader: Bob Nishek 822-9238

## **+Saturday, March 18**

*Hanalei Bay Full Moon Beach Walk and Pot Luck Picnic* North Shore/Easy/2.5 miles Let's discuss environmental issues affecting our island over an earth-friendly vegetarian pot luck dinner and enjoy the full moon as we walk along the beach. We especially welcome new members to become acquainted with the Kauai'i Group for this event. Leader: Judy Dalton 246-9067

## **Saturday, March 25**

*Nounou Mountain Native Plant Restoration Project* East Side/Moderate/1.5 miles The native plants of Sleeping Giant are nearly gone due to alien species competition. We will do some clearing around two endangered species. This service project will be limited to a small group. Leader: Bob Nishek 822-9238

## **Saturday, March 25**

*Kuilau Ridge Trail* East Side/Moderate/4.5 miles Starting near the Keahau Arboretum near Kapaa, the Kuilau Ridge Trail offers great rewards without a lot of effort. Glorious views and ever-present birdsongs reward the hiker along the full length of this trail. Leader: Harry Guiremand 823-8335.

**Kauai Group offers customized shuttle service from Lihue airport to the Na Pali Trailhead (or other desirable destinations). We negotiate a "donation" to the club based on the number of people traveling and type of gear. Call Rob Culbertson at (808) 246-8748 at least one week in advance for booking. Or check our website: [www.hi.sierraclub.org/Kauai/kauai.html](http://www.hi.sierraclub.org/Kauai/kauai.html)**



# MOKU LOA GROUP OUTINGS

Outings are conducted in accordance with Sierra Club Outing policies. Participants need to recognize the authority of the leader and plan to remain with the group for the entire outing. Sierra Club carries no participant accident insurance. Each participant should carry a minimum of a quart of water, lunch, sunscreen, rain gear and wear sturdy shoes with traction. Additional items will be listed with the outing description.

Key D = distance, is the estimated round trip for the day. E = elevation in feet: + is gain, - is loss, +/- is up and down. **Classification of Hikes: (E) Education/Interpretation, (C) Conservation, (F) Family/Fun, (S) Service**

## SCHEDULE IS EDITED -- CALL LEADERS FMI

**Saturday Jan 8, 2000 — HVNP Back Country Landscape Restoration Service Trip (S)** E = 3500 ft. Service trip will be led by Sky Mullins, HVNP Wilderness Coordinator who will direct us to locations within the National park where he needs help erasing the signs of humans from the back country. Bring your own gloves, wear closed shoes, and be prepared for cold or warm weather conditions. A \$3.00 donation is asked to offset costs of ice cold drinks, coffee, and snacks that will be provided throughout the morning. Meet at the KVS parking lot, portion next to the entrance station at 7:45 am. Service trip will be 8 am to noon. For info and to sign up: Roberta Brashear @ 966-7002 or Lisa King

**Sunday January 9, 2000 — Anaehoomalu Bay to Keawaike Bay (F)** D = 5-6 miles, E = sea level This coastal family hike from Anaehoomalu Bay along the South Kohala Coast is hot and dry. This leisurely hike will feature petroglyphs, anchialine ponds, and swimming/snorkeling (weather permitting). Bring hat, swim and snorkel gear, 2 quarts water, lunch, sunscreen, camera, binoculars, sturdy boots or shoes and towel. Meet in Hilo across from the Shell station at 7:00 a.m. All ages are welcome but people under 18 must be accompanied by a adult. Contact leader Sarah Moon @ 935-3475.

**Saturday January 15, 2000 — Shipman Beach : Kaloli to Haena Service Trip (S)** D = 4 miles, E = sea level. Hike and clear brush and debris on this historic trail in Puna, the old government trail from Paradise Park part way to the Shipman Beach (Haena). This is part of an ongoing project with Puna trails. Bring water, lunch, and hand tools for clearing brush. Meet at the end of Kaloli in Paradise Park and turn left at the bottom on old Government Road @ 8:30 am.. Contact leader Roberta Brashear @ 966-7002.

**Sunday Jan 23, 2000 — Ka'aha - Kalue Day Hike (E)** D = 10 miles, E = 2000 ft +/- 2000 ft This full day hot, strenuous hike will take us to an inaccessible beach in HVNP. St the end of Hilina Pali Rd. and descends 800 ft in the first mile then descends gradually to Ka'aha beach and tide pools. Lunch at Kalue beach. Return will be late afternoon to avoid hot sun. Must bring a minimum of 2 quarts water, hat/visor, sunscreen, hiking boots, lunch and snorkel gear. Meet in Hilo at 8:00 am or at HVNP Visitor Center at 9:00 am. Leader Diane Ware @ 967-8642.

**Thursday January 27, 2000 Program — "Sierra Club: Battle for the Everglades" Slide Show** (See Moku Loa Report for Details)

**Saturday Jan 29, 2000 — Leadership Training @ 8:30 am to 4:30 pm. At Richardson Ocean Center** All leaders or leaders in training who were unable to attend the training in October must attend for their re-certification. We will also take additional outing listings for the period of April to August 2000. Roberta @ 966-7002 or Sarah @ 935-3475.

**Saturday February 5, 2000 — Milolii to Kapua** D = 8 miles, E = sea level. This hike will start at the fishing village of Milolii in South Kona. Our goal is Kapua, where the largest preserved holua slide in Hawaii is found. Along the way we will stop at the beautiful bays of Honomalino and Okoe. Participants need to bring: sturdy boots or shoes, hat sunglasses, sunscreen, lunch, 2-3 quarts of water, and dark glasses. Gloria Amaral @ 959-5180 or koaia@hgea.org. Asst leader Scott Mandel.

**Saturday February 12, 2000 — Shipman Beach : Kaloli to Haena Service Trip (S)** D = 4 miles, E = sea level Hike and clear brush and debris on this historic trail in Puna, the old government trail from Para-

dise Park part way to the Shipman Beach (Haena). Bring water, lunch, and hand tools for clearing brush. Meet at the end of Kaloli in Paradise Park and turn left at the bottom on old Government Road @ 8:30 am.. Contact leader Roberta Brashear @ 966-7002. Asst leader is Phil Barnes.

**Saturday -Monday, February 19-21, 2000 — Keauhou Backpack** D = 15 miles, E = start at 2800 ft, +/- 2800ft Coastal section of Hawaii Volcanoes National Park, reached after a steady descent of Poliokeawe Pali. The trail includes terrain such as lava, an old kipuka and grasslands and can be very hot and humid so hikers must be able to handle these conditions. There will be an optional day hike to Halape. Participants will need to bring: backpack, daypack, tent, eating utensils, 2-3 quarts of water, flashlight, sturdy boots, rain gear, sleeping bag, hat, dark glasses, and sunscreen, lunches and breakfast. Dinner will be central commissary. Contact Gloria Amaral @ 959-5180 or koaia@hgea.org. Group size is limited to 10 and leader approval required. Asst leader is Debbi Uchida.

**Saturday February 26, 2000 — Kalopa Service Trip (S)** D = 2 miles, E = 2250 ft, +/- 600 ft Volunteers will be uprooting alien plants along the gulch at the edge of the Kalopa Native Forest. Please bring rain gear, sturdy shoes, mosquito repellent, water, lunch, gloves, pick or other tools for digging out plants with strong roots. We will be working all day and children under 14 are not permitted. Meet in Hilo at 8:30 across from the Bayfront Shell station, or at Kalopa @ 9:30 am. Edith Worsencroft @ 963-6317. Asst leader is Sue Bostick.

**Sunday February 27, 2000 — Kalapana Shoreline Hike (F) D = 5 miles, E = sea level** This day hike will begin at Verna's Restaurant parking lot in Kalapana. We will hike out to the new beach near Kaimu, then follow the shoreline to the South and enter a large kipuka. There will be an opportunity to explore the adjacent old village site. Bring your lunch, 2 quarts of water, hiking boots and rain gear. We will meet at the Sure Save parking lot in Keaau at 8 am. Phil Barnes 965-9695 or at green.hi@interpac.net. The trip limited to 15. Asst leader Toni Thomson.

**Saturday - Sunday, March 18-19, 2000 — Apua Point Back pack (E)** D = 13 miles, E = sea level. Hike to old village site on the ocean in Hawaii Volcanoes National Park. The well-established historic trail crosses terrain that includes old pahoehoe flows, newer flows from the Mauna Ulu series, and a short distance over a'a. We'll set up camp as the moon rises. In the morning, archeological ruins and petroglyphs can be explored and there will be time for a swim near the turtle nesting beach. Apua Point is one of the sites where the endangered hawks bill turtle nests and this trail is also part of the Ala Kahakai "trail by the Sea." Participants will need back pack, 6 liters of water (10 lbs), tent, sleeping bag, lunch, hat, sunscreen, dark glasses, sturdy boots, mess kit, meals, flashlight and extra batteries. Meet at Chain of Craters trailhead at 3:00 pm and call leader Debbi Uchida @ 985-7303 or assistant leader Diane Ware. Leader approval is required.

**Sunday March 26, 2000 — Kiholo Bay** D = 4 miles, E = sea level, +/- 200ft. Take a leisurely walk down from Queen Kaahumanu highway to Kiholo Bay. Hike along the historic, scenic shoreline to a crystal clear lagoon, anchialine ponds and an underground river cave. Swimming is available. Bring 2 quarts water, lunch, sun protection, snorkel gear, and sturdy shoes or boots. Those under 18 must be accompanied by an adult. Meet in Hilo across from the Bayfront Shell station at 7:00 a.m. Leaders Jan Moon or Sarah Moon @ 935-3475 for more info.

**Saturday April 8, 2000 — Kalopa Native Forest Nature Trail (F)** D = 1 mile, E = 2250 ft, +/- 30 ft. Bring the family along on an interpretive nature hike. Enjoy a short walk (0.7 mile) through the Hawaiian rain forest where you will see many native plants and possibly native birds.. An interpretive guide book is provided and picnic grounds are available for lunch after the hike. Bring rain gear, wear sturdy shoes, mosquito repellent and picnic lunch. Meet at parking lot across from the Bayfront Shell station at 9:30 a.m. or at trail head at 10:30 a.m. Call Edith Worsencroft @ 963-6317 for more information. Asst leader is Sue Bostick.

Name \_\_\_\_\_

Address \_\_\_\_\_

Membership # \_\_\_\_\_

Sierra Club, Hawai'i Chapter  
P.O. Box 2577  
Honolulu, Hawai'i 96803

Attention: Elections Committee

---

**Chapter Executive Committee Elections**

**Ballots must be received by Wednesday, January 12, 2000. P.O. Box 2577 Honolulu 96803**

The Executive Committee establishes Chapter policies, coordinates activities, sets the Chapter budget, raises funds, recruits members, makes political endorsements and works on conservation issues. The nominating committee has nominated the following candidates for four (4) Ex-Comm positions.

**Hannah Bernard** • I am applying for the Sierra Club, Hawai'i Chapter Ex-Com for a number of reasons. Both of our organizations are conservation-oriented and share similar goals. Hawai'i Wildlife Fund has worked closely with the Sierra Club on Maui to facilitate coalition building on two of the most controversial land-use issues of the last decade: the proposed Ma'alea Harbor and Kahului Airport Expansion projects. I have seen firsthand the power in alliances between like-minded non-governmental organizations. My vision is to assist the Sierra Club in effective conservation and education programs on the marine environment, as so many threats to the ocean are land-based in origin. I believe my background in marine conservation, education and research, and my position as Executive Director of Hawai'i Wildlife Fund will provide the Sierra Club with the additional expertise and positive energy in coastal issues it needs to succeed in leaving a healthy environmental legacy for future generations.

**Roberta Brashear** • Roberta Lynn Brashear, a member of the Sierra Club since 1987, has served on the Moku Loa Group Ex-Com for 2 years. She is currently Outings Co-Chair and Group Chair as well as the Big Island representative to Hawai'i Chapter. Roberta is an avid hiker, distance runner, nature photographer, and an environmental educator presently teaching biology and environmental science at Hawai'i Community College in Hilo. For the past 3 years she served as President of Hawaiian Acres Community Association and Vice-president of Puna Community Council in order to take an active role in planning the future of "our" Big Island. "Our rainforests are pristine and need to be preserved as much as possible; we should protect our open spaces and retain our uniqueness. My goal is to expand our membership involvement in conservation issues and increase participation and awareness through our outings".

**Randy Ching** • I am running for Ex-Comm because my interest in conservation issues has increased over the last year. I am currently outings chair for Oahu Group and will try to establish a few more "conservation-oriented" outings. The Sierra Club is doing important work. Please support the Club in any way that you can. We appreciate your efforts on behalf of the earth (especially the wild places).

**Judy Dalton** • Serving on the Chapter Executive Committee for the past 3 years has given me inspiration and support for the work that needs to be done on Kaua'i to save our precious natural assets. From stopping the Wailua sea wall to forming "Friends of Donkey Beach," networking with leaders of the Sierra Club has been essential. I would like to continue sharing ideas with other dedicated people striving to protect our islands so that we can all be effective in our mutual goals.

**David Frankel** • David Kimo Frankel is currently chair of the Hawai'i Chapter. He previously served as the chapter's first full-time director, as the Chapter's legislative coordinator, as the O'ahu Group's conservation chair and as the chapter's conservation chair. He currently divides his time between taking care of his son, removing ginger from the rainforests of Volcano and making trouble for developers.

**Daniel Grantham** • I live on a rural homestead in Maui and am self-employed as a technical trouble-shooter for those who face mechanical, electrical and cyberworld challenges. In other words, my work ranges from designing webpages to fixing uncooperative appliances and equipment. My longtime "hobby" is community video. I have been involved in filming numerous events and getting the information out to the public. As a member of the Maui Group I have focused my efforts on educating the public and policy makers about renewable energy strategies. I am currently completing an educational video/brochure (funded by a National Sierra Club Grant) aimed at the business community. It focuses on sustainable energy choices businesses can make. I hope to share my extensive research and background knowledge on renewable energy as a member of the Chapter Ex-Comm and help move the whole state towards a clean energy future.

**Nelson Ho** • Nelson was asked many years ago to participate in formulating energy policy for the Hawaii Chapter. It led to a productive partnership. He is now one of many speaking to preserve Mauna Kea from overdevelopment and mismanagement. He was a past Chapter ExCom Chair and Moku Loa Group Ex-Com chair.



**Sierra Club, Hawai'i Chapter**  
 P.O. Box 2577, Honolulu, HI 96803  
 (808) 538-6616

Non-Profit Organization  
 U.S. Postage  
 PAID  
 Honolulu, HI  
 Permit No. 1284

**ATTENTION!  
 NEW ELECTION...  
 PLEASE RECAST  
 YOUR VOTE!**

***Due to an omission in the previously distributed ballot, the election is being redone. Please recast your vote.  
 PREVIOUS BALLOTS HAVE BEEN DISCARDED.***

**Sierra Club, Hawai'i Chapter Executive Committee Election  
 Four (4) At-Large Positions  
 Those elected will take office in January 2000**

In order for your ballot to be valid and to ensure secrecy of the ballot, please do the following:

1. Two ballots are provided. Joint memberships should use both ballots. Single memberships must use only one ballot or both ballots will be invalidated.
2. Fold the ballot on the dotted line with your name, address and membership digit number located above your name. We verify memberships and then remove the address portion prior to opening ballots. Your vote remains strictly confidential.
3. Stamp and mail ballot to Sierra Club, Hawai'i Chapter, P.O. Box 2577, Honolulu, Hawai'i 96803. Ballots must be received by Wednesday, January 12, 2000.

<b>BALLOT</b>	
VOTE FOR NOT MORE THAN FOUR (4)	
<input type="checkbox"/>	HANNAH BERNARD
<input type="checkbox"/>	ROBERTA BRASHEAR
<input type="checkbox"/>	RANDY CHING
<input type="checkbox"/>	JUDY DALTON
<input type="checkbox"/>	DAVID FRANKEL
<input type="checkbox"/>	DANIEL GRANTHAM
<input type="checkbox"/>	NELSON HO

<b>BALLOT</b>	
VOTE FOR NOT MORE THAN FOUR (4)	
<input type="checkbox"/>	HANNAH BERNARD
<input type="checkbox"/>	ROBERTA BRASHEAR
<input type="checkbox"/>	RANDY CHING
<input type="checkbox"/>	JUDY DALTON
<input type="checkbox"/>	DAVID FRANKEL
<input type="checkbox"/>	DANIEL GRANTHAM
<input type="checkbox"/>	NELSON HO