

NATIVE HAWAIIAN PLANT SOCIETY NEWSLETTER

1990 HIGHLIGHTS

- Feb 9 Kula School, Kanaha field trip.
- Feb 18 Full page MAUI NEWS article on Loulu, Pritchardia palms and upcoming Loulu lecture and planting.
- Feb 23 120 interested folks from all over Maui attended Loulu lecture and slide presentation by Robert Hobdy. Distributed Loulu seedlings donated by National Tropical Botanical Garden.
- Mar 29 Meeting. Showing of "The Man Who Planted Trees". Took delivery of Earth Day Grant plants, 'Ākia, and Wikstroemia, from Oahu. Annamae Shishido reviewed Dept. of Agriculture rules regarding inter-island shipment of plants.
- Mar 31 Planted Loulu, Hala, 'Ākia at the Kanaha Pond.
- Apr 22 Earth Day, MCC. Provided "Living Jewels, The Rare Plants Of Hawai'i" and "The Man Who Planted Trees" for video program; also plant display and info.
- May 3 Pua Kanahalele spoke on importance and beauty of native Hawaiian plants.
- May 5 Kahului School, Kanaha field trip.
- May 8 Kihei Rotary Club program - plant display and talk on coastal plants and showing of "Living Jewels".
- May 18 Haiku School, Kanaha field trip.
- Jun 7 Slide presentation of Ka Lei photographs by John Eveland of Honolulu Botanic Gardens
- Aug 2 Heidi Bornhorst of Hawai'i Plant Conservation Center spoke on "Native Plants in Conservation and Landscaping"; plant and seed distribution.
- Oct 4-7 MAUI COUNTY FAIR
- Oct 14 Kahului School, Kanaha field trip
- Nov 8 Guest speaker Robert Hobdy of DLNR speaking on 'Ihi Portulacca Molokiniensis; Plant distribution.
- Nov 16 Haiku School, Kanaha field trip
- Nov 27 Haiku School, Kanaha field trip

EDUCATION



OPENING THE GATE TO NATURAL WONDERS AT KANAHA POND WILDLIFE SANCTUARY

In March 1990 Renate Gassmann-Duvall and Eda Kinnear began to guide school children and their teachers through the Kanaha Pond Wildlife Sanctuary as a joint outreach of the Native Hawaiian Plant Society and the Hawai'i Audubon Society. Renate concentrated on the sanctuary's history and bird life, while Eda discussed the native Hawaiian coastal plants that we are working to establish at Kanaha.

Pictured above is a group of 59 Haiku second grade students who visited six stations on their outing. Station activity focused on seed dispersal; Hawaiian flora/fauna legend; bird identification and count; leaf rubbings; Pa'u o Hi'i'aka planting; and art interpretation. Teacher Rae Chin did the master plan, and we were joined by Pamela Hayes, artist; NHPS volunteer Cynthia Quisenberry; Denny Eymard of the OASIS MAUI gardening project, and many parents. It was a rewarding outing for all.

So far, 245 students have participated in this program, which has grown by word of mouth. Our goal is to develop a long lasting, worthwhile program, and with your help, tips and ideas, success will be assured. Please call Renate on 572-1584 or Eda on 871-4891 to volunteer.



THE NEWS

KAHIKINUI

The Plant Society provided volunteer labor over the Memorial Day weekend (May 26-28, 1990) to build a fence on Hawaiian Homes Lands in Manawainui Gulch, Kahikinui Forest Reserve, on Haleakala's south slope. Volunteers, gear and fence materials were flown to the location by Pacific Helicopters. All project costs were borne by the State Division of Forestry and Wildlife's (DOFAW) Endangered Species funds. The effort was coordinated by Bob Hobdy, of Maui's Division of Forestry. NHPS coordinator for the project was Peter Connally, and volunteers included Linda Nelson, Pat Conant, Stef Nagata, Rob Rydell, Randy Bartlett, and George Markt. The completed enclosure will be an official DOFAW Plant Sanctuary, and includes the following plants: Huperzia mannii; Acacia koa; Phullostegia ambigua; Cyrtandra begoniaefolia; Cyrtandra platyphylla; Sophora chrysophylla; Lobordai hiirtella; Piptucus albidus; Neraudia melastomifolia; and Hillebrandia sandsicensis.

Beside the ubiquitous goats and pigs, cattle are a major threat to the entire koa forest in this area. We observed many cattle in the area bearing the Maui Factors brand. For more on the issue of illegal cattle in the forest, see the October 24, 1990 issue of the SOUTH MAUI TIMES. The Plant Society is pursuing this issue and hopes to have a resolution to report soon.....Peter Connally

KANAIO NATURAL AREA RESERVE (NARS) UPDATE

The NARS Commission approved our recommendation of a NAR in the Kanaio dry land forest area. As soon as DAGS surveys the area, the whole package will go to the Governor for his signature. A fence will then be built to protect the area from goats, pigs, and deer.....Peter Connally

VOLUNTEERS NEEDED

We need someone to head a T-shirt project. Our last design, 'Awikiwiki, is two years old, and we're low on stock. We need a new shirt. Also, we will put out two newsletters a year in the future, and we need someone to take on the job. Call Linda Nelson, 661-4303, to volunteer.

VIDEOS AVAILABLE

NHPS has three videos available, for borrowing at no charge. "The Man Who Planted Trees"; "Living Jewels, Rare Plants of Hawai'i"; and "We All Need The Forest" can be found at Paia

Video, 98 Hana Highway; telephone 579-9990. Owner Les Miyahira has donated generously to this collection and circulates the videos as a volunteer service.

IHI CARE

Ihi was one of the stars of our very impressive County Fair Exhibit in October. There was so much interest that we scheduled an informational meeting and plant giveaway for our November meeting. Bob Hobdy, DLNR, who discovered the plant and published its botanical description in 1987, provided an excellent briefing. His remarks are summarized below:

1. The plant occurs in very dry places such as the cinder cone of Molokini. Molokini soil is volcanic ash which has very good drainage and dries out quickly after rain. So pot it in porous soil, like cinders, not potting soil; OR you will have problems with rot.
2. Keep it in full sun.
3. Give it small doses of fertilizer once in a while, not often.
4. Ihi doesn't like competition, so don't plant it in a crowded area. Especially, avoid planting it with grass.
5. Here is the growth cycle - Ihi needs a dry season. In the summer, hold back on watering to mimic the lack of rain in its natural environment of Molokini. The thick upright stems naturally wilt at this time and lay limp on the ground. When the fall rains come, increase the water and the stems will stand up again. About two months after the rains begin, a slender stem will sprout from among the leaves. It can be from two inches to a foot in length. At the end of this stem, bright yellow flowers will bloom...Linda Nelson/Lorna Harrison

GRESSIT RESERVE

In 1990 there were seven volunteer trips to our West Maui Gressit Rare Plant Sanctuary. We cleaned the roads and maintained the plantings. In July we planted thirty-five trees and hibiscus shrubs. A check last month showed all the new plants thriving. Throughout the next year, we'll maintain and plant, working for our goal of a self sustaining native garden. As ever, we need plants to put there and volunteers to plant them. We need trees or shrubs for a mid-elevation, mesic environment. If you have something suitable or want to help plant, call Linda at 661-4303. Many thanks to this year's volunteers, including Mike Perry, Penny Mijadis, Mele Stokesberry, Becky Lau, Leslie Hiraga, and Will and Teresa Webster....Linda Nelson

XERISCAPING

With central Maui's looming water shortages, xeriscaping is becoming a "buzzword". Xeriscaping is water conservation in landscaping for the home and business by combining irrigation and the use of less thirsty plants. This, in turn, can bring savings on the monthly water bill. Savings can be considerable, since 60% of home water use is on the yard. These techniques will work for you whether you live in Kihei, Kula, Lahaina or Makawao; any place where you need to irrigate.

Xeriscaping is too large a subject for one article, so it will be covered in installments. Future topics will include irrigation; water savings; lawns; and plant selection. There is a strong relationship between the NHPS and xeriscaping. Native plants are among the best choices for this kind of landscaping. After all, these plants originated and survived in the area long before man or irrigation. Now, they can be used as specimen plants, garden accents, and background plantings. While not all natives are suitable, (many need saving before popularizing) many are attractive and durable. For plants such as Ma'o (Gossypium tomentosum); Creeping Ilima (Sida fallax); Ma'o hau hele (Hibiscus brackenridgei); and Kokii o (Hibiscus kokio); a place in the xeriscaped landscape will help assure their preservation. You can help by putting them in your yards and "talking them up". NHPS will work to make them more available and let you know where to get them.

Next time: Saving Money with Xeriscaping.....Linda Nelson



DR. GEORGE L. H. LEBOUVIER IS NOW AT HOME:

325 N.W. Uptown Terrace #1B
Portland, OR 97210

We will toast our good friend and past NHPS
Board Member at the General Meeting on Jan.
25, 1991.

The Maui News April 2, 1990



The Maui News/WAYNE TANAKA photo
L-R: Boby-Ann, George LaBouvier, Chuck Hirata

Chuck Hirata, George LaBouvier and Boby-Ann were among the volunteer planters who helped launch the Native Hawaiian Plant Society's landscape plan at Kanaha Pond on Saturday. They are shown here working on the walkway to the lookout point of the wildlife sanctuary.

Native: Landscape plants at Kanaha the real thing

KAMULUI — The much-anticipated native Hawaiian landscape plan came alive early Saturday morning at the Kanaha Pond Wildlife Sanctuary as a small band of hardy and hopeful volunteers reported for work to beautify the area around the lookout point.

R.L. Scott Seymour of Moeauoa Nursery in Kona on the Big Island, who designed and donated the plan, supervised the Native Hawaiian Plant Society members and helpers in carefully planning ioulu, hala and akia. "The Society hopes the people of Maui and visitors will become acquainted with these native plants and enjoy watching them grow at Kanaha, a very special Hawaiian place," said Eda Kinneer, spokesperson for the group.

"NHPS is grateful for the many generous contributions and the cooperation of the Department of Land and Natural Resources in helping launch this project," she added.

THE MAUI NEWS — Sunday, November 4, 1990 — D3

Please love this plant

In response to public demand, The Native Hawaiian Plant Society will be giving away 'Ihi, *Portulaca molokiniensis* plants at their meeting Thursday at noon at the Wailuku Community Center. These are the same plants that were on display in their booth at the Maui County Fair.

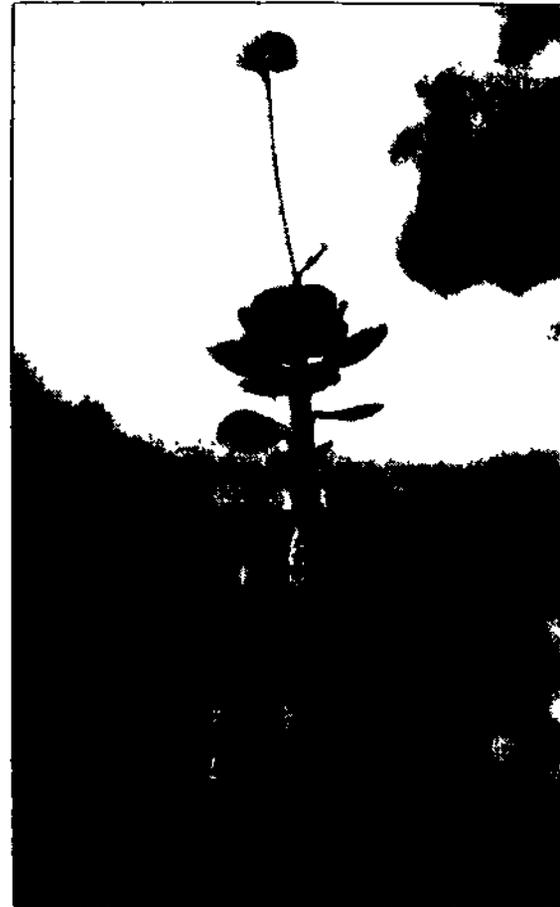
Robert Hobby of the State Forestry and Wildlife Division will talk about the discovery and identification of 'Ihi and show some of his photos of it in the wild. The public is invited to bring a bag lunch and hear the talk.

'Ihi grows at the base of sea cliffs and on steep rocky slopes on Molokini, Pu'uoko'a Islet, and at Kamohio Bay on Kahoolawe. It is a stout perennial with a pale, corky layer of secondary growth, usually branched at or slightly beneath the ground, and has a lemon yellow blossom.

The Society is giving the plants away in the hopes local residents will help perpetuate the species by growing them in their yards.

In celebration of Arbor Week (now and all year long), the Native Hawaiian Plant Society also invites groups and individuals to check out the following videos: "The Man Who Planted Trees," "Living Jewels, Rare Plants of Hawaii," and "We All Need the Forest," all of which may be borrowed at no charge from Paia Video, 98 Hana Highway.

Lcs Miyahira, owner of the store, has donated this collection and circulates the videos as a volunteer service. Call him at 579-9990 for details about checking them out.



'Ihi, *Portulaca molokiniensis*, grows at the base of sea cliffs on steep rocky slopes on Molokini, Pu'uoko'a Islet, or Kahoolawe. Now Maui residents can grow them in their yard with free plants from the Native Hawaiian Plant Society.

Growing Native Hawaiian Plants

*Diane Ragone, Program Botanist,
Hawaii Plant Conservation Center,
National Tropical Botanical Garden*

The Hawaii Plant Conservation Center of the National Tropical Botanical Garden was established in 1989 through a grant from the John D. and Catherine T. MacArthur Foundation. HPCC's mission is to study, collect, propagate and distribute native Hawaiian plants and educate the public about cultivating native plants.

HPCC is working to develop propagation methods and introduce into cultivation native plants which may have horticultural potential. In addition, the information gained from cultivating native plants will help us learn how to grow these plants for reintroduction to their natural habitats.

Since its inception, HPCC has collected seed and detailed provenance information for 266 species belonging to 72 families. Through a cooperative project with the State of Hawaii Department of Lands and Natural Resources/Division of Forestry and Wildlife, HPCC is coordinating a statewide seed collection and propagation

project. Native Hawaiian plant seeds can be made available to commercial nurseries for propagation of stock plants.

A list of available seeds is distributed to collaborators every two to three months. The list includes a collection number, family, genus, species, island where collected and federal endangerment status for each accession. Propagation record keeping is an integral part of the project and each cooperator is requested to use forms provided by HPCC. Seeds and information are provided free of charge to all nurseries interested in participating in this project. In return, we request that you share your successful, as well as unsuccessful, propagation methods with us. This will enable us to develop propagation procedures for as many of Hawaii's native plants as possible.

If interested in participating in this project contact: Diane Ragone, Program Botanist, Hawaii Plant Conservation Center, National Tropical Botanic Garden, P.O. Box 340, Lawai, HI 96765, 322-7324, Fax 332-9765.

HELP WANTED HELP WANTED HELP WANTED

Weedbegoneia and planting work at Kanaha Pond Meet at 8:00 Thursday mornings at the visitor lookout parking area. Bring a friend or gang of friends - your favorite weeding, wacking or planting tool; and some water to drink. Select a job best suited to you and according to the time you have to give. Amazing as it may seem, stepping just inside the Kanaha Gate a person senses a peacefulness conducive to pondering while you work.....Call Eda 871-4891

" Final County Fair crowd count shows over 88,000 attended "

WE WERE THERE! - at the MAUI COUNTY FAIR, with a large collection of precious Hawaiian plants. In the safety of the Horticulture Exhibition Hall, we built an island, then planted it with alpine and rain forest plants at the four foot elevation; planting downward to the shore-on-the-floor with dryland, mesic forest and coastal plants. Visitors, including Governor and Mrs. Waihee, expressed great interest in the display. ENCOURAGING NOTE: Members are already talking about what they can grow for next year's show.

FAIR PLANTS - Following is a list of plants displayed at the fair: 'Ōhā wai (Clermontia grandiflora); Ālula (Brighamia insignis); Kōlea lau nui (Myrsine lessertiana); Naio (Myoporum sandwicense); (Phyllostegia ambigua); Hāhā (Cyanea scabra); Ahinahina (Argyroxiphium sandwicense); Greensword (Argyroxiphium); 'Ihi (Portulaca molokiniensis); Maile (Alysia olivaeformis); Pōhuehue (Ipomoea pes-caprae); Alena (Boerhavia); Heuhiuhi (Senna gaudichaudii); 'Ōhai (Sesbania tomentosa); 'Ōhi'a lehua (Metrosideros collina); 'Ala'ala wai nui (Peperomia lepostachya); Moa (Psilotum nudum); Ma'o hau hele (Hibiscus brackenridgei); Hinahina (Heliotropium anaomalum); 'Ānaunau (Lepidium o waihiense); Kolokolo kahakai (Vitex ovata); Maiapilo (Capparis sandwichiana); Kulu'i (Nototrichium); Palapalai (Microlepia strigosa); 'Ānapanapa (Colubrina asiatica); Naupaka kahakai (Scaevola); 'Ilima (Sida fallax); Pā'u o Hi'i'aka (Jacquemontia ovalifolia); Hinahina (Artemisia); Na'ena'e (Dubautia scabra); Mamaki (Pipterus albidus); Ma'o (Gossypium tomentosum); (Achyranthes splendens); 'Uki'uki (Dianella sandwicensis); 'aki'aki (Sporobolus virginicus); Kakena (Clermontia); 'Ākia (Wikstroemia uva-ursi).

THANK YOU TO THE FOLLOWING:

FAIR CONTRIBUTORS: R.L. Scott Seymour, design; Trees of Hawaii, wood chips. FAIR CONSIDERATIONS: Haleakala National Park; Maui Blocks; Maui County Fair Horticulture, Chairman Ken Findeisen; Ho'olawa Farms; Signs/Designs by Marcia. FAIR VOLUNTEERS: Chris & Becky Alexander; Gordean Bailey; Randy Bartlett; Peter Connally; Fern Duvall; Bill Evanson; Betsy Gagne; Carol Gentz; Lorna Harrison; Chuck Hirata; Cathline & Steve Hodges; Laura Hudson; Ian & Eda Kinneary; Linda Nelson; Lloyd Loope; Ron Nagata; Mike & Lorraine Perry; Jason Polokow; Terry & Cynthia Quisenberry; Don & Bunny Reeser; Aaron Richards; Kim Sikoryak; Mele Stokesberry; Ali Thompson; Beverly Young; and Ron & Roberta Zane.

Volunteers grew and groomed plants; delivered plants and materials; built and planted the island display; manned or womanned the exhibit; lettered and addressed invitations; phoned; and cleaned up.....GREAT JOB...THANKS AGAIN...WOW!

ATTEND ATTEND ATTEND ATTEND ATTEND ATTEND



General Meeting - January 25, 1991 at 7 PM

Friday

Maui Electric Auditorium; Kamehameha Ave. & Kane Street, near Foodland, in Kahului.

Refreshments - Membership Mugs available @ \$7.00



Kanaio Natural Area Reserve Tour - January 27, 1991

Sun.

Call Peter Connally at 572-1499 evenings for details and reservations



Fascinating Talk and Slide Presentation - February 8, 1991 at 7 PM by BERT Y. KIMURA, Co-author of HAWAI'I'S VANISHING FLORA

Fri.

Maui Electric Auditorium; Kamehameha Ave. & Kane Street, near Foodland, in Kahului.

Refreshments - Plant Distribution

PAY MORE THAN LIP SERVICE TO AN IMPROVED ENVIRONMENT IN 1991

RESOLVE: NEVER, EVER, to let a polystyrene foam of plastic cup touch your lips. If you need to know why, read page 44 of "50 Simple Things You Can Do To Save The Earth".

BUY: A beige, high fired stoneware mug, embazed in three colors, on two sides, with our Native Hawaiian Plant society emblem of George LeBouvier design.

USE: YOUR MUG, take it everywhere - to work, to the fast food restaurant, to meetings, to cocktail parties.

BENEFIT: The satisfaction of being a participant in less waste recycling (source reduction). Revenues from mug sales will be used by NHPS to print a bi-annual newsletter and membership cards on recycled paper.

KANAIO TOUR FOR MEMBERS

Tour the Kanaio Natural Area Reserve on the south slope of Haleakala with Peter Connally and Robert Hobby January 27, 1991. Marvel at the assortment of native plants that grow there, including laka, an endemic tree of the Ebony family. The Hui Lama Hike Schedule notes that "its wood is very hard and was used in many ways. Laka, goddess of the hula, was symbolized on hula altars by a piece of laka wrapped in yellow kapa. Torches were made of laka and the word came to mean torch or light, and, by extension, enlightenment of the light of knowledge (malamalama)." RESERVATIONS ARE NECESSARY. CALL PETER CONNALLY (evenings) at 572-1499.



Native Hawaiian Plant Society
P.O. Box 5021
Kahului, Hawaii 96732

M E M B E R S H I P

- \$10. Individual
- Other \$ _____

Name _____

Address _____

City _____ State/Zip _____

Telephone (Res.) _____ (Bus.) _____ Date _____

- New Member
- Renewal Member
- I would like to volunteer.

(Contributions are tax deductible within the limits of Federal and State regulations.)



Native Hawaiian Plant Society
P.O. Box 5021
Kahului, Hawaii 96732



Kanaio - 4-6 miles - 12 in from airport?

Board meetings - 4x a year
Friday - June 1991
2 weeks before 1st of June
Vanishing Flora
at Eola's office

Run & Release Ltd
1350 HAIKU
HAIKU, HI 96732