Maui Nui Botanical Gardens will be undergoing exciting new transformations this year, both internally and externally. First, internally, we will be reorganizing and adding to our staff. The MNBG Board has graciously accepted my request to step down as the Garden’s Director after ten years of service in that position. We are planning to create a new education position to focus more energy into educational outreach. While I will no longer be the Director, I will serve as the Garden’s Educational Coordinator. This new position will allow MNBG to actively provide more guided tours, classes, and workshops; with an opportunity for added revenue for the Garden. I will also be more available to work with students, cultural practitioners and botanists on research projects and other activities.

To support this evolution, MNBG received a generous capacity building grant from the Hawaii Community Foundation to help with the transition. MNBG will be seeking an interim Director with strengths in development and fundraising in April 2010.

Second, externally, MNBG was awarded a grant from the Hawaii Tourism Authority through the County of Maui, Office of Economic Development, to create a docent training and guided tour program. Training will begin in April and the Guided tours will begin in October. This grant also allows us to have cultural practitioners to be available on Saturdays to demonstrate and share their skills with the public; increasing the vitality of the Gardens on weekends. Activities will include hala weaving, kapa making, kaula (cordage) making and other activities.

Other new additions to the Gardens to support our new educational programs are our new full-color plant tour guide featuring 61 plants in our collection. We are also in the final stages of design and creation of five large interpretive signs that will be located throughout the Gardens. This brochure and the creation of the five interpretive signs were generously funded through the Atherton Family Foundation and Leiter Family Foundation.

Finally, construction is completed on the Wallace G. Sanford Memorial interpretive hale. This lovely structure, designed by Architect Hans Reicke, will be a wonderful meeting space for classes and tours, and will soon house some new interpretive signage and displays.

Yes, 2010 will bring both internal and external changes to our wonderful Garden; all in-continued on pg 2
Maui Nui Botanical Gardens, Evolution 2010 continued

effect positive change. I would like to take this opportunity to thank everyone who has helped to develop the Gardens over the last 15 years. It has been an honor and privilege to serve as the Gardens first Director these last ten years. It has been a tremendous personal journey, and the Gardens have grown much more than I ever anticipated. A big mahalo to our fantastic Board members, staff, and the many, many dedicated volunteers who have made so many contributions for the Gardens’ benefit. I look forward to the challenges my new position will bring, and the many great things we will be able to accomplish together.

Calendar of Events

Plant Sale - at Taro Festival - April 24, 2010
Come and join the festivities with us at the 18th Annual East Maui Taro Festival on Saturday, April 24th from 9am - 5pm at Hāna Ball Park. MNBG will be there with a selection of native plants and numerous taro varieties for sale.

Plant Sale - August 28, 2010
Do you care about Maui’s environment? If so, join the movement to buy native Hawaiian plants from local growers. Incorporating native plants into your landscape design ensures their survival for future generations and conserves our precious resources. Let’s all play our part to keep our Maui nō ka `oi. Got Natives?

Arbor Day Hawaiian Tree Giveaway - November 6, 2010
What could be better than trees in our communities? Free trees for your family! Join us to get your free tree at the 9th Annual Arbor Day Hawaiian Tree Giveaway at the Maui Nui Botanical Gardens. Experts on hand to answer your questions, and native trees available by planting zone.

A New Mission, Vision and New Values for MNBG

MAUI NUI BOTANICAL GARDENS MISSION STATEMENT

The mission of the Maui Nui Botanical Gardens is to foster appreciation and understanding of Maui Nui’s plants and their role in Hawaiian cultural expression by providing a gathering place for discovery, education and conservation.

MAUI NUI BOTANICAL GARDENS VISION STATEMENT

Cultivating widespread preservation, conservation, and integration of Hawaiian plants throughout Maui Nui.

MAUI NUI BOTANICAL GARDENS VALUES

‘Oia`iyō (integrity, truth) Mālama (stewardship, preservation)
Hō`ala Hou (re-awaken) Ho`ona`auao (education, enlightenment)
With Gratitude from Our Garden

Mahalo to Tom for donating a refrigerator, Anudeva Stevens for donations of bamboo and 5-gallon buckets, Cindy Singer for volunteer snacks, Asplundh and Maui Eko Systems for the mulch and compost, Jeff Gray for delivery of the mulch & compost, Mach Fukada for photographing plants for the walking tour, Gerry Ross of Kūpa’a Farms and Jonathan Keyser & Ethan Romanchak of Native Nursery for the tours, Byron Stevens and Peter Landon of the DLNR Kanaio NARS, Weed & Pot Club, Kiera Strohm-Herman, Judy Edwards for help on the interpretive signage project, Miles Wolbe and Wolbe Inc. for computer services, Marie VanZandt for all the kōkua, special event volunteers, Interns, Tracen, Graden, Ka’aina and Robert from DLNR Natural Area Reserve, Ryan Morin and Volunteers from UHMC, Service Learning Students, Chelsey Borge and the Maui High Tree Huggers Club, Hawaiian Springs Water and Paradise Beverages.

MNBG Community Contributions
Donation of taro huli to Kahanu Gardens, Amy Greenwell Ethnobotanical Gardens, Jim Kane, donations of taro varieties to: Lāna‘i project (Penny Levin), Uncle George Kahumoku, Waimea Valley and Jerry Konanui, `Ōhi’a to the Water Department, donations of breadfruit to the Maui Food Bank & KIRC, donation of native plants to Kanahā Pond for outplanting.

Wish List
- New or used golf cart in good condition
- Mulch and compost donations
- 15 pairs of gardening gloves
- Large Chainsaw
- Irrigation supplies
- Sponsorship of new phone system
- Canon Rebel Digital Camera
- Wood Chipping Services
- Dump Truck Services
- New refrigerator for seed storage

*If you would like to contribute to the purchase of one or more of the items above, please call 249-2798.

LOCATION & HOURS
150 Kanaloa Avenue
Keōpūolani Park, Kahului
Across from the War Memorial Sports Complex
Monday-Saturday
8:00 am—4:00 pm*
Admission Free
Closed Sundays & Major Holidays
*Weather permitting & staff availability.

GROUP RESERVATIONS
Reservations are required for group activities.

CONTACT INFORMATION
Mailing: P.O. Box 6040
Kahului, HI 96733
TEL: (808) 249-2798 FAX: (808) 249-0325
Email: info@mnbg.org

SAVE A TREE!
If you would like to receive your newsletters via email, please email us at info@mnbg.org. You may also view them on our website at www.mnbg.org

Check out What’s Blooming!
Come in and see our State flower in bloom! The Ma‘o Hau Hele, or Hibiscus brackenridgei is putting forth beautiful yellow blossoms. The best time to see the Ma‘o Hau Hele in full bloom is around 2:00 pm.
The Maui Nui Botanical Gardens is grateful to have the opportunity to expand our educational interpretation of the Gardens’ plant collections. Thanks to generous grants from the Atherton Foundation, Leiter Family Foundation, Mary Cameron Sanford, the Fred Baldwin Memorial Foundation, County of Maui Office of Economic Development and the Water Department, the Gardens now feature a new full color Walking Tour, five interpretive signs and the new Wally G. Sanford Memorial interpretive hale. The addition of these new educational tools enables visitors to the Gardens to come away with a greater understanding of native plants and Hawaiian culture. Mahalo nui to all for their continued support!

New! - A Botanical Guide
Did you know that the leaves and flowers of the Hinahina were used medicinally? Come learn more about Hinahina and other native and Polynesian Introduced plants by picking up the new MNBG Walking Tour. MNBG is proud to announce the full-color botanical guide that is available at the Gardens for $4.00. The guide features beautiful native and Polynesian Introduced plants photographed by Mach Fukada, Forest & Kim Starr and Garden staff. Featuring growing habits and cultural uses of plants, the guide is not only useful for wayfinding around the gardens, but as a general plant reference guide for everyday use. Mahalo nui loa to the Atherton Family Foundation, as this project would not have come to fruition without their financial support.

Interpretive Signage
The Gardens will soon feature five new interpretive signs. Through the generous efforts and contributions of the Atherton and Leiter Family Foundations, Judy Edwards and Kiera Strohm-Herman, the Gardens will proudly display five interpretive panels. Each panel helps to narrate and illustrate important botanical, cultural and environmental information. Check the website for updates on this project!

New Interpretive Hale Built!
Construction of the new interpretive hale is complete and plans have been drawn out for memorial gardens funded by Mary Cameron Sanford, the Fred Baldwin Memorial Foundation and the Water Department. The interpretive hale will be utilized as a classroom and workshop space for the new education program at the Gardens. The Memorial Garden landscaping plan will feature beautiful hibiscus species, a favorite plant of Wally G. Sanford, whom the project is dedicated to. Future funding will help to install interpretive panels and displays, making learning a feast for all senses. Mahalo once again to Mary Cameron Sanford, the Fred Baldwin Memorial Foundation, the Water Department, and Susan Wyche for the landscape consultations, and Hans Reicke for the beautiful architectural renderings.
Arbor Day lawn & Garden Fair

The Arbor Day Lawn & Garden Fair went off without a hitch on November 7, 2009. Over 1500 people received free plants and participated in workshops and lectures presented by the Maui Association of Landscape Professionals. Informational booths and plant vendors helped to promote eco-friendly lifestyles to Maui residents, and showing her support of all things green, the Honorable Mayor Charmaine Tavares planted a milo tree. A special presentation was made by the Maui Invasive Species Committee (MISC), to honor the 2009 Mālama ʻAina Award recipient, Ann Emmsley. Ann is the Associate Professor of Agriculture at the University of Hawaiʻi Maui College, and strong advocate and lover of Maui’s outdoor spaces and plants. Congratulations to Ann and many thanks to the Maui Association of Landscape Professionals, Honorable Mayor Tavares, plant vendors, informational booths, lecturers, sponsors and wonderful volunteers that made this event possible.

Review of the January Plant Sale

Although rain was in the forecast, plant lovers turned out in spite of the prediction at our January plant sale. Supporting local businesses and caring for the environment led over 280 individuals to the Gardens to seek native plants from local growers. The public was given the opportunity to purchase rarely-available and unique plants such as Pāpala kēpau, Kokiʻo and Maʻo Hau Hele. Mahalo nui loa to the Water Department, Maui County Office of Economic Development, Kulamanu Farms, New Moon Enterprises, Upcountry Natives, the Limu Hui, our volunteers and Maui County residents for a successful event!
What do cloning and botanical gardens have to do with

Many of you know that MNBG promotes conservation by growing rare and endangered plants as sources of material for reintroduction to the wild. Restoration project managers, such as the Plant Extinction Prevention Program (PEP), bring us seeds or cuttings that are grown to be directly planted back into the areas where they still occur. The PEP program has become wildly successful at managing species of native plants for which less than 50 wild individuals remain. There are several other excellent nurseries around Maui Nui that also propagate plants for PEP and other restoration projects.

But there is another technique, one that botanical gardens are uniquely suited for, that can assist these efforts to keep our rarest Maui Nui plants from disappearing forever. Gardens such as MNBG can be important sites for ex situ populations of rare and endangered species (ex situ = off-site, or away from the naturally occurring population). Ex situ plantings provide a safe haven for a genetic “copy” of a rare population. Ironically, when an endemic plant species is reduced to a handful of individuals, it becomes feasible for an almost complete genetic copy of the species to be created at a botanical garden. This is preferably done by cuttings (clones) to retain the original genetic makeup of the population.

When documented correctly and shared with partners, these ex situ populations can be crucial to maintaining the genetic diversity left in a critically endangered species. Unlike wild seedlings destined for reintroduction to the wild, the plants can be maintained indefinitely while restoration projects are in the works. They can be used to produce propagules to be reintroduced into the wild repeatedly, and are especially valuable if the original population becomes extirpated (dies out). Species we are working with in this way include Hibiscus brackenridgei, Kokia cookei, Colubrina oppositifolia, and Cenchrus agrimoniodes. As one example, Cenchrus agrimoniodes has only four known individuals on Maui. At a recent Maui Nui task force meeting hosted by the U.S. Fish and Wildlife Service (USFWS), it was announced that one of the four plants had died in the wild. MNBG was able to report that clones of the dead individual were thriving in our garden and nursery. One individual may not seem important, but when it’s one quarter of the known genetic diversity of a population, it can mean a lot.

The regulators of the Endangered Species Act, the U.S. Fish and Wildlife Service, recognize this by making the creation of ex situ populations one of the requirements to be met before a plant species is considered for removal from the endangered species list. Christa Russell, Prelisting & Listing Program Coordinator for the USFWS, tells us that work has begun on a new proposal to list as endangered some twenty new species endemic to Maui Nui (Maui, Molokai, Lāna‘i, and Kahoolawe), as well as revise critical habitat for 102 already listed Maui Nui endangered species and create new critical habitat for the proposed species. The majority of these species are plants. The new listing will include many coastal species that already grow well at MNBG, such as Portulaca molokiniensis. It will be more than a year before these newly proposed plants gain endangered species status, and there are many more species not being listed that are just as threatened. But the effects of the new rule will mean Federal protection for those species and could mean funding and protection for the natural areas they still inhabit. And the rule will reflect recent surveys of the species, which will help MNBG prioritize our efforts to create new ex situ plantings.

Scaevola coriacea is the next coastal species for which we would like to create an ex situ population. A true coastal dune plant, the only significant wild population in the world is found a few miles from the garden, in Waiehu. If you would like to volunteer to work with or help fund an ex situ planting at MNBG, call (or email) us at 249-2798 (info@mnbg.org).
Volunteer Central

Mahalo to our volunteers who contributed numerous hours to making the Gardens beautiful. Special thanks to: UHMC Ethnobotany service learning students, Arbor Day and plant sale volunteers, Weed & Pot Club, Mach Fukada for the photos, Marie VanZantl for all the kōkua, Tracen, Graden, Ka’aina and Robert from the DLNR Natural Area Reserve, Ryan Morin from UHMC Americorps, and UHMC Volunteers, John Aquino, Bill Ripperger, Cub Scouts Pack 68, and the Maui High Tree Huggers Club.

What is your favorite thing about volunteering at MNBG?

Renee - Working with great people who have the same goals!
Cindy – Learning Hawaiian language, Hawaiian plants
Duncan – Good mana, great people
Diana - Fun! Great to work with plants and having fun while doing work.

Weed & Pot Club
Gloria Adlawan
Anudeva Stevens
Cindy Singer
Becky Lau
Darlene Kashuba
Diana Schulte
Janet Allan
Madi Witt
Martha Martin
Paul Kastner
Phyllis Sato
Renee Leiter
Jennifer Rose
Terry Thomas
Deborah Kremins
Florence Shotts
Duncan Stenzel
Jamie Thompson
David Newell
Ryan Morin
David Kakalia
Winnie Wagstaff
Valerio Mesek
Richard “Ric” Schwichtenberg
Satoko Kiyabu
Sasha Baylor

If you love working with plants, you’ll love the Weed & Pot Club! Meeting every Wednesday morning, at 8:30am till 10:30am. Spend time helping the Gardens thrive through weeding and propagation. Offsite field trips, workshops and lectures scheduled several times a year for our volunteers only! Come prepared to work with covered shoes, water bottle and garden attire. All tools, gloves, sunscreen and expertise provided. Join us every Wednesday!

For more information, call 249-2798 or visit www.mnbg.org
GRANTS

AHS Foundation, Atherton Family Foundation, County of Maui & Department of Water Supply,
Department of Land and Natural Resources/Kaulunani Hawai‘i Community Foundation,
Hawai‘i Tourism Authority P.E.P.
Leiter Family Foundation, Lennox Botanical Research Fund
Office of Hawaiian Affairs,
Tri-Isle Resource Conservation & Development,
Zadoc W. & Lawrence N. Brown Foundation,
Fred Baldwin Memorial Foundation, Mary Cameron Sanford
SPONSOR
Hawaiian Springs, LLC

PARTNERS

Community Work Day, County of Maui,
Department of Water Supply
State of Hawaii DLNR N.A.R.S.
Plant Extinction Prevention Program
Maui Coastal Land Trust
Maui Association of Landscape Professionals
Maui Invasive Species Committee
Native Hawaiian Plant Society

Ma'o Hau Hele ($5,000+)
AHS Foundation
Atherton Family Foundation
Fred Baldwin Foundation
Cooke Foundation, Limited
Leiter Family Foundation
Renee & Elliott Leiter
Maui Dept. of Water Supply
Mary Cameron Sanford
Gage Schubert
Tri-Isle Resource Conservation & Dev. Council
Virginia & Colin Lennox
Botanical Research Trust

Ililani ($50 - $499)
Caron & Jeffrey Casey
Goodfellow Bros. Inc.
Susan Root Graham
Raymond S. Higashi
Ho‘olloi House
Jac Kean
Richard Langford
Anders Lyons
Maui Garden Club
Native Hawaiian Plant Society
Jill & Mike Spalding

Maui Tomorrow Foundation, Inc
Maui Oil Company
Maui Association Of Landscape Professionals
Susi Mastroianni
Martha E. Martin
Judith Mancini
Althea Magno
Doug MacCluer
Althea Magno
Judith Mancini
Martha E. Martin
Susie Mastroianni
Maui Association Of Landscape Professionals
Maui Oil Company
Maui Tomorrow Foundation, Inc
Marie McDonald
Michele McLean
Katsumi Miyano
Kaponoa‘ai Molitau
David Moran
Kipūkai
*Heliotropium curassavicum*
Indigenous

**Support the Gardens & Help Native Plants Thrive**

Kupu means to sprout or grow. Just like the kupukupu ferns, you can help the Gardens grow through donations, memberships, bequests or by volunteering. Your contribution helps to ensure the survival and perpetuation of native Hawaiian plants and culture.

**Donate**

Donations of monetary or in-kind contributions are greatly appreciated. To contribute, please fill out the enclosed donation envelope or call 249-2798.

**Membership**

Yearly memberships help to fund important botanical and educational programs, research and conservation efforts. Fill out the enclosed donation envelope to become a member.

**Leave a Legacy**

Play a lasting part in protecting Hawai‘i’s native plants through planned giving. Consider making a bequest to the Maui Nui Botanical Gardens in your will or trust. Call 249-2798.

**Volunteer**

Give a gift of time. Volunteering at MNBG helps the Gardens accomplish many projects and also gives you an opportunity to learn about and work with native plants. Join our Weed & Pot Club every Wednesday morning from 8:30am - 10:30am. Call 249-2798 for more information.