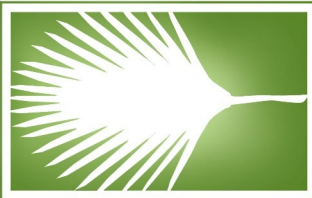


The Kukui Leaf



Richard Q.Y. and Esther A. Wong Foundation Funding

A group of attentive and slightly apprehensive second graders watches carefully as we explain the invertebrate hunt, describing how some invertebrates protect themselves with speed, agility, camouflage *and* venom! This is their first field trip to Lyon, and the activities have widened their eyes to some of the amazing plants, animals and invertebrates that live in this rainforest environment. The quiet is quickly replaced by shrieks of discovery as students find crickets, isopods, moths, earthworms, and a plethora of other forest dwellers with their sweep nets and digging tools. Clipboards and hand lenses are distributed as the students concentrate on identifying their discoveries then determine what their invertebrate eats, if they are pollinators, decomposers, dispersal agents, where they live, and what animals might prey on their invertebrates. You can easily see that active and enthusiastic learning is going on!

These and many other field trip experiences at Lyon were made possible by a generous grant from the Richard Q. Y. and Esther A. Wong Foundation. The Wong grant provided funding to offer our school field trip programs this year at no cost to students in Title One schools (schools with a large percentage of low income families). Over 800 students have participated so far this fall, and 1,100 additional students will arrive in the next few weeks for a full morning of activities directly aligned to their classroom studies. Our school programs are designed to connect local children to their island environment. For many of these students it is the first time they've been in a rain forest, taken a hike, or tasted a mountain apple. As Zenobia Barlow stated eloquently "Children are born with a sense of wonder and an affinity for Nature. Properly cultivated, these values can mature into ecological literacy, and eventually into sustainable patterns of living."

The Wong Foundation grant also funded the installation of a drinking fountain at the Education Center, serving the needs of all our thirsty students, teachers and chaperones visiting the Children's Garden, the Marilyn Mueller Goss Children's Learning Center, and our Children's Garden volunteers working in the garden. The new water fountain has been a very welcome relief during the recent Kona weather days, and will help to keep us all well-hydrated for many years to come. We all send a sincere MAHALO to the Wong Foundation for their generous gift!



The Lyon Arboretum strives to provide rich educational opportunities at a low cost to over 7,000 children a year. To help fund future field trip opportunities for young learners, please contact Jill Laughlin at 988-0461.

Jill Laughlin

Mahalo for your support!

We acknowledge, with gratitude, the following donors: John Chang—Certo & Sure Gell for Jams & Jellies; Mandy Bowers-Jaboticaba & Surinam Cherries for Jams & Jellies; Bonnie Eyre-Strawberry Guavas for Jams & Jellies; Helen Friend-Vacuum Sealer; Rainbow Bees LLC-Buckets; Steve & Cheryl Omatsu-Lilikoi for Jams & Jellies; Clyde & Nancy Fujimoto-Lemons for Jams & Jellies; Winifred Maekawa-Figs for Jams & Jellies; Jodean Wong-Orchid Journals; Thayla DeMott-Books; Ellen Yabusaki-Vases, baskets and bowls; Urban Garden Center-Plants for the Children's Garden; Ingrid Beadles Meyer-Office Supplies for Education Dept.; Linda Thom-Vases; Judy Sekiya- Mangos for Jams & Jellies

The Kukui Leaf is published quarterly by the Lyon Arboretum, 3860 Mānoa Road, Honolulu, Hawai'i 96822. This newsletter is available in an alternate format upon request. *Editor: Derek Higashi*

From the Director's Desk

It is sometimes said that good things come in threes. Well, they say that about bad things, too, but we won't think about that! We always have a lot to celebrate at the Lyon Arboretum, not the least of which is the support of all our friends and the community. The three good things I'm referring to are, firstly, the road leading to our entrance is finally repaired! Former Chancellor Hinshaw and I had several meetings with City & County and State officials

regarding the road's rapidly deteriorating condition. We are thrilled that the State agreed to work with UH to repair the road and install some speed bumps. The issue of road ownership is another matter, and one that an official State task force will be tackling. The second great thing is that the City Council recently presented the arboretum with an award for Outstanding Community Service. We can thank Councilmember Ann Kobayashi for nominating us for this

wonderful recognition of all our great work to engage the broader community in our mission. And thirdly, Nellie Sugii's plant conservation work was the recipient of the Star Award of the Center for Plant Conservation. What could be better than local recognition, national recognition, and an easier drive for each of you to get here to see for yourself what all the fuss is about. Mahalo to you all!

- Christopher Dunn



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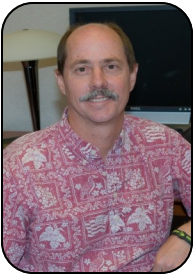
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Update from the Friends of Lyon Arboretum President



-Aloha friends and members. By the time you read this, I will have completed my first of two years as President of the Board of Friends of Lyon Arboretum. What an exciting year it has been! Most recently, on September 30, 2012, we held our first ever Lyon in the Sun festival and fundraiser. This newly conceived daytime event served the dual purpose of exposing Lyon Arboretum to the community, while raising some funds to support the important programs at Lyon Arboretum. Lyon in the Sun was blessed with beautiful weather, and the fes-

tivities were opened up by a wonderful Hula Blessing by Halau Na Pua Lei o Likolehua. Our guests enjoyed music from Hapa Folk (accompanied by Steven Molnar), demonstrations of lauhala weaving (Carolyn Affonso), kapa making (Moana Eisele), flower arranging (Kelly Steiner), a Kupe'e making workshop (Bill Char), tours, shave ice, and food from the Five-O Hawaiian Style Smoked Ribs truck. Everyone seemed to enjoy themselves, and not only did we make some wonderful new friends, but we also managed to raise over \$5,000 for a great cause. We hope to make this an annual event, and we hope to see you at the next Lyon in the Sun.

Jonathan Steiner



Heartfelt Mahalo to our Sponsors:



Welina Manoa

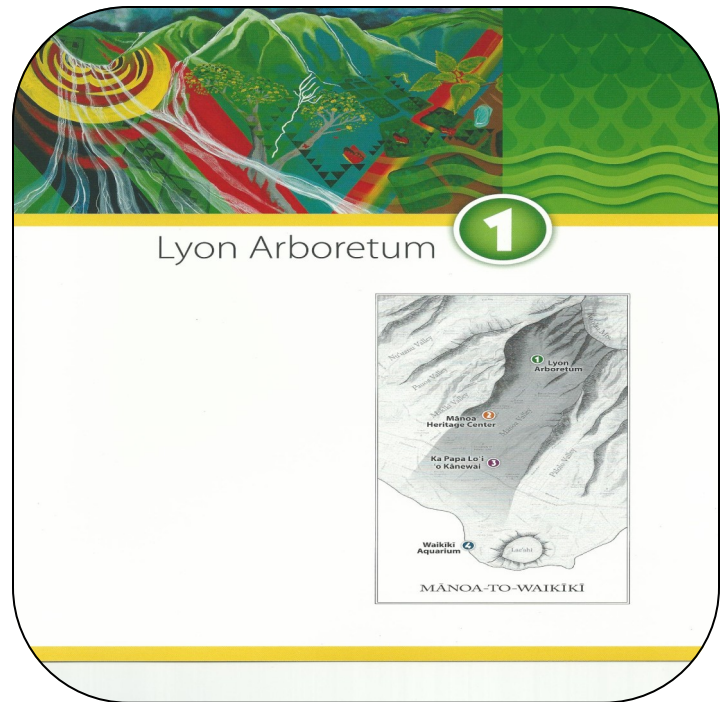
For the past several months, Lyon education staff has worked with the dean, faculty and staff from Ha-wai`inuiākea School of Hawaiian Knowledge at UH-Mānoa, and staff from the Waikiki Aquarium, Ka Papa Lo`i O Kāne-wai, and Mānoa Heritage center to create a series of cul-ture-rich learning experiences for families with young chil-dren. The materials are designed to be used on family vis-its to each of the four Mānoa watershed sites, and encour-age learning rich in cultural knowledge, Hawaiian lan-guage, place-specific and scientific knowledge. The mate-rials are colorful, engaging and fun for the whole family. The activities encourage active, intergenerational discus-sions and model sustainable practices.

As parents, kupuna and young children visit the 4 sites, families can use the material packets available in our visi-tor center, or download the materials online prior to your visit. At each site, children can listen to mo`olelo (stories, history), search for endemic and indigenous plants and animals, and learn about the natural resources, cultural history, place names and site significance.

We encourage you and your family to visit and check out these materials at Lyon Arboretum, Ka Papa Lo`i o Kane-wai, Waikiki Aquarium and Mānoa Heritage Center. A website and QR code reader (on your smart phone) adds

an audio component for listening to the stories and holds many more visual and text layers of information on each site. Links to the Welina Mānoa website and blog will be posted at www.hawaii.edu/lyonarboretum. For more information, contact the Lyon Arboretum Education Office at 988-0461.

Jill Laughlin



Wish List:

school field trip subsidies (\$100 ea.), garden hoses (\$45 ea.), Rite-in-the-Rain ink-jet paper (\$86), keiki rain ponchos (\$5 ea.), HD laminator (\$250), laptop computer (\$1,000), Silky short hand saw (\$65), rain jackets (\$40 ea.), sickles (\$3 ea), two 8' fiberglass step ladders (\$140 ea.), fruit for Jams & Jellies: Lilikoi, Jaboticaba, Calamondin, Kumquat, Surinam and Strawberry Guava

WINTER CLASS SCHEDULE TO BE RELEASED SOON!!

If you would like notification of the Winter 2013 Schedule of Classes offered at the Lyon Arbo-retum, sign up to be on our e-mail list now!! The Winter class Schedule will be released later this Fall.

You may do so by sending your request to: higashi2@hawaii.edu

Exploring The Arboretum With Mashuri



`Ohe mauka

Polyscias oahuensis (formerly *Tetraplasandra oahuensis*)

This is a small to medium tree endemic to the Hawaii and found on the all the larger islands except Ni`ihau and Kaho`olawe. It grows in wet to semi-wet forests. It has beautiful thick dark green leaves. The succulent bark is an important food for a number of endemic species of *Drosophila* flies. The fly larvae feed on the rotting bark of broken branches.

The `ohe mauka is among 11 endemic Hawaiian species that were all recently placed into the genus *Polyscias*. Before that they were in 3 genera: *Tetraplasandra* with 9 species, and *Munroidendron* and *Reynosldia* with one species each.

Our `ohe mauka trees are small, only growing to about 8 feet tall after 40 years in the ground but they have character with artistically arranged branches. Interestingly, we have a related species, called `ohe (*Polyscias hawaiiensis*), also planted about 40 years ago that is now 40 feet tall and has very upright branches. These two species as well as *Polyscias racemosa* (formerly *Munroidendron racemosum*) can be seen in the lower part of the Hawaiian Section.



-Mashuri Waite

Now accepting preorders for Christmas arrangements

The Hui Hana Lei Group will be taking orders for Herb Wreaths for the upcoming Yule season. Pick-up date for the herb wreaths will be December 6th after 2:00 p.m.

Each wreath is hand-made and unique. Wreaths will be similar to, but not exactly as, the pictures below.

Only a limited number of orders will be taken; please call the Lyon Arboretum (988-0456) and place your order today!



Holiday Plant & Craft Sale at Lyon Arboretum

Saturday, November 17, 2012
9 a.m. to 2 p.m.

FREE ADMISSION

Heliconias, Gingers, Anthuriums, Orchids, Native Hawaiian Plants including Hawaiian Ferns, Cactus and Succulents, Tillandsias, Bromeliads, UH Variety Vegetable Seeds and more. Holiday Wreaths, Oshibana Crafts, Jams and Jellies and Hawaiian Honey.

Free shuttle service to the Arboretum. Pick up points at Po'elua Street and Nipo Street where they intersect with Manoa Road.

Please Call 988-0456 for more Information



*PICTURES FROM THE SPRING
PLANT SALE*



We extend extreme gratitude to these donors for their support:

\$1500 +

Mr. Alvin Yoshinaga
Friends of Lyon Arboretum
Garden Club of Honolulu
Hawaii Community Foundation

\$500-\$1499

Ms. Cara-Ann Murray
Sogetsu Hawaii Branch
IBM Int'l Fdn. Matching Grants Program
Loren S. Miller

\$100-\$499

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Up to \$99

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Ms. Rebecca Covert
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Save the trees!


If you'd like to receive
future newsletters in pdf
format via email,
please contact
higashiz@hawaii.edu



Raffle Prize

For those who sign up for the email newsletter by October 30th, you will be eligible for a \$10 gift certificate that will be redeemable at the Arboretum gift shop. Congratulations to Tricia Sakamoto, our Fall 2012 raffle prize winner.
Good luck!

*For more information about donating to the Arboretum, please contact the UH Foundation (Harriet Cintron at 956-8103 or manoa.development@uhf.hawaii.edu) or the Director of the Arboretum at 988-0457.
Please send to: Lyon Arboretum / UHF, Appeal code: 09LY2, 3860 Mānoa Rd, Honolulu, HI 96822*

Name: _____		Phone: () _____ — _____	
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Payment method: _____ check (payable to Lyon Arboretum/UHF, Attn account #12043404)			
Or Credit Card: _____ (Visa) _____ (Master Card) _____ (American Express)			
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Monday-Friday, 8am-4pm

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Closed on Sundays & Holidays

\$5 Docent led tours available
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Please call 988-0461 for
reservations.

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UPCOMING EVENTS

Saturday, November 17, 2012

9 am—2 pm

Fall Plant Sale

At Lyon Arboretum

Assorted Ti, Orchids, Anthuriums, Gingers, Heliconias, Bromeliads, Tillandsias, Native Plants, Garden and Lanai Plants,
Jams & Jellies. Haku Leis & Wristlets

FREE shuttle service to the Arboretum.

Pick up points at Po'elua St. and Nipo St. where they intersect with Manoa Rd.