

Volume
XXXVIII
No. 2
Summer 2014

Lyon Arboretum University of Hawai'i

The Kukui Leaf



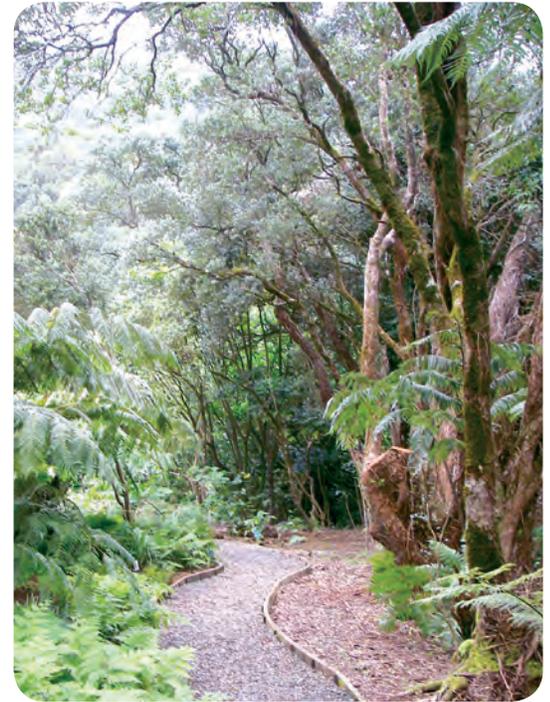
Arboretum receives highest ArbNet accreditation

The Harold L. Lyon Arboretum has been awarded a Level IV Accreditation through the ArbNet program, an interactive online community-based network of arboreta. This is the highest level given through the Morton Register of Arboreta, which is determined by the degrees of development, capacity, and professionalism shown by an arboretum.

"The Morton Register of Arboreta is a comprehensive list and database of arboreta and other public gardens that have a substantial focus on woody plants. The purpose of the Morton Register is to identify all of the organizations that collect and display trees, shrubs, and other woody plants for the benefit of the public, science, and conservation. ArbNet, the Morton Register and the Accreditation Program are coordinated by The Morton Arboretum as an international initiative to support the work of arboreta in saving and planting trees."

Please check out ArbNet at <http://arbnet.org>, to read Lyon's award and welcome announce-

ment. ArbNet is also a great place to read news, research and events occurring at other arboreta from around the world.



Arboretum welcomes new Seed Lab manager

We are very pleased to welcome Dr. Marian Chau to Lyon's Hawaiian Rare Plant Program as our new Seed Lab Manager. A 2012 Ph.D. graduate from the University of Hawai'i, Marian brings her talent as an outstanding botanical researcher and experience as a ded-



icated plant conservationist to the program. Marian's dissertation research project has produced management plans for 'Ihi'ihi (*Marsilea villosa*), an endangered Hawaiian fern species. Her continued involvement with the community-based 'Ihi'ihi Protection Team on O'ahu, and native restoration project on Moloka'i are proof of her ongoing commitment to Hawai'i's conservation issues.

"I am very excited to join the Rare Plant Program at Lyon!" says Marion. "I look forward to working with a terrific group of folks who share my passion for native plants, and I'm grateful for the opportunity to make critical contributions to Hawaiian conservation as the Seed Lab Manager."

We are excited and happy to have you too Marian!

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. Editors: Derek Higashi & Kristin Herrick

A note from Christopher Dunn

Aloha friends,

As many of you know, I have moved on to a new position on the mainland. Effective April 1 (yes, April Fools' Day), I am the E.N. Wilds Director of Cornell Plantations at Cornell University.

Leaving the Lyon Arboretum after seven wonderful years is extremely hard.

During my tenure, the staff, volunteers, UH administration, the UH Foundation, and the community came together to build a new and strong commitment to excellence in horticulture, plant conservation, education, and management. We saw the completion of a new education center, a new collection and grounds building. A new hale was erected in the ethnobotany garden. School

groups increased dramatically. Our plant conservation program received a national award. The Lyon Arboretum, as a whole, was honored by the City Council. There is so much to be proud of. And there is so much on the horizon that should energize us all. So, it is both with pride and with considerable sadness that I leave. But, I bring all your aloha with me and I will be working with administrators at Cornell to forge some deeper and lasting partnerships with organizations and programs in Hawaii. Just as you invited me seven years ago to join you, I invite you to visit any time you are on the mainland. It is not good bye. A hui hou.



– Christopher Dunn



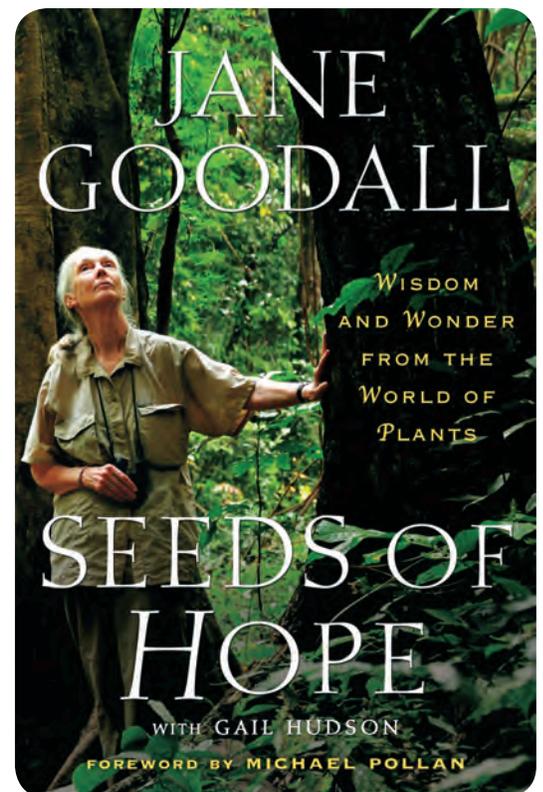
New Jane Goodall book features Arboretum staff member

SEEDS OF HOPE takes us from England to Goodall's home-away-from-home in Tanzania, Africa, deep inside the forests of Gomebe National Park. Using the warm voice that made us fall in love with the world of chimpanzees, Goodall now opens our eyes to the profound relationship we have with the world of plants. She explores our dependence on the plant kingdom as food, as medicine for our bodies and our psyches, and as our helpers in the task of healing the harm we have inflicted on the natural world.

Goodall shares her excitement about new research demonstrating the complex ways that certain plants communicate with each other, and the amazement she felt learning that some seeds, after lying dormant and forgotten for thousands of years, can germinate when put

in the right environment. And she introduces us to many of her heroes – botanists and naturalists who are dedicating, and sometimes even risking their lives to rescue endangered plants and forests.

Lyon Arboretum's own Nellie Sugii is mentioned in this book regarding her work on the *Kokia Cookei*. There is also a wonderful picture of the *Kokia Cookei* from David Eckhoff in the book as well.



Friends News *Update from Friends of Lyon Arboretum President*

A warm aloha to our readers. Since our last newsletter, we have been busy hosting many events from the staff appreciation dinner to the recent potluck dinner honoring the contribution of Christopher Dunn, as he departs for the mainland. We were also blessed to host an



amazing Board-prepared dinner for Commercial Plumbing, Inc. who was lucky enough to submit the winning bid at our Lyon in Summer silent auction. Our community and culture are closely intertwined, and enjoying time with volunteers, staff and community leaders

nity supporters and sponsors deserve an active and vibrant Arboretum to continue for many, many more years.

We would like to thank supporters such as Jerry and Alice Tucker who graciously started the Tucker Intern Fund more than a decade ago. The fund brings dedicated international interns to the Arboretum to learn, educate and contribute to our community. Their leadership has inspired others to promote and participate in our mission in a variety of ways. Please join Jerry and Alice in their support of the international internship program by sending your contributions marked "Tucker Intern Fund" to the Friends of Lyon Arboretum.

The Friends of Lyon Arboretum continue to expand our fundraising reach that began with the Lyon in Summer and now includes the Lyon in the Sun in alternating years. Lyon in the Sun is planned for mid-October this year so stay tuned!

In receiving this newsletter, you are already a contributing member. We would encourage you to invite a friend to your next Arboretum experience.

– Paul Sibley



As winners of a silent auction item at Lyon in Summer, Commercial Plumbing employees and friends were treated to dinner, tours of the Arboretum and took home a Puakenikeni plant.

helps to build our connection to one another.

At each of these events, we are reminded of how wonderful it is to be part of such a special place. Although we will miss Christopher and all that he has brought to the Arboretum, we will continue to deliver on our mission. At the core of our mission is the encouragement of the use of the gardens. During my tenure as President, I have placed a focus on renewing and expanding the membership of the Arboretum. A strong membership committee of Board members is crafting a plan to quickly execute, and build on the foundation that so many of my predecessors paved. The goal of this plan is to double our membership by the end of my term as President. This is both ambitious and achievable. Our commu-

Friends of Lyon Arboretum Member Donations

Koa Level

\$500 and above

Susan Chamberlin
Jerry & Alice Tucker

Ohi'a Level

\$250 - \$500

Michael Moore

'Ilima Level – up to \$250

Leburta Atherton
Nora Chong
Gay Conklin
Robert & Randi Creamer
Richard Criley
Peter Drewliner
William Farris
Charles Ferrell
Cindy Goldstein
Kate Gormley
James Growney
Billy Hague
Donald Hasenyager
Charlotte Hee
Eileen Herring

Hsin Hsieh
Dudley & Sono Hulbert
Ann Kadowaki
Donald Kim
Robert Ko
Joel Kurokawa
Thomas Lalakea
Florence Lamoureux
Lorene Leong
Walter Loo
Caroline Masutani
John McGrath
Willson & Sally Moore
Duane Okamoto
Cynthia Oshiro

Pamela Page
John Pearson
Diane Peters
Richard Quinn
Maureen Schaeffer
Jane Schroeder
Emmy Seymour
L.S. Tollerud
Patricia Toyama
Floraine Van Orden
Martha Vetter
Jean White
Al & Trudy Wong



Lyon Classes

Papa Lā`au Lapa`au—Hawaiian Medicine Class

Instructor: Emmalani Makepa-Foley

Lā`au Lapa`au or Hawaiian Medicine is a traditional practice of healing, incorporating Hawaiian herbs, spirituality and aloha. In this introductory class we will be learning about traditional Hawaiian and hānai medicinal herbs, plant identification, methods of preparation, and application. This class offers a foundational piece of this unique art as well as contemporary and complimentary approaches to healing.

La`au Section 1 : *Saturdays: April 12, 19, May 3, 17* 9:00-11:00 \$40

La`au Section 2: (for those who have completed the 1st Section Classes)
Saturdays: April 12, 19, May 3, 17 12:00—2:00 \$40

Orchid Culture & Growing Techniques

Instructor: Peter Wiggin

Peter will review the basics of the orchid family, including some of the fascinating history of orchid culture. The main focus will be on the various cultural practices and orchid growing techniques. There will be lots of pictures, time for questions, and a repotting demo at the end. *Saturday May 3* 9-11 \$20.

Rain Gardens for Home Landscapes

Instructor: Jolie Wanger

Learn how to build a rain garden and contribute to the sustainability of our islands. By installing a simple rain garden in your own yard you can help prevent storm water runoff from harming our ocean ecosystems, recharge our aquifer and make your landscape more attractive and functional at the same time. In this morning workshop, Jolie will describe the benefits of creating a rain garden system, the design and installation process and which plants are most effective. Class will include hands-on experience in the garden with site analysis, percolation testing and design consideration. Participants will also get a chance to tour the Arboretum's new rain garden and bioswale. Come ready to design, create and malama our `āina! Class size limited, preregistration required.

Saturday May 17 9:30-11:30 \$20

Yoga In The Garden

Instructor: Amanda Painter

Come refresh the mind and body with a beautiful hike through Lyon Arboretum followed by a yoga class in our open-air classroom. Explore the Arboretum trails and indulge the senses in glorious green hues, earthy rainforest smells, and raucous calls of cockatoos! Then unwind in an all levels Hatha yoga class to explore in our bodies the shapes we see outside. Amanda Painter is a trained Lyon Arboretum guide and Yoga Instructor at Open Space Yoga and Yoga Hawai`i. Meet at 12:30 in the classroom, bring a yoga mat. Hike begins at 12:45. Class meets on the second Saturday of each month. Sign up for one class or all 4. Class size is limited, so sign up early.

Yoga 1: Saturday June 14 12:30-2:45 \$20 preregistered (\$25 on Saturday, if space available)

Yoga 2: Saturday July 12 12:30-2:45 \$20 preregistered (\$25 on Saturday, if space available)

Yoga 3: Saturday Aug. 9 12:30-2:45 \$20 preregistered (\$25 on Saturday, if space available)

Yoga 4: Saturday Sept. 13 12:30-2:45 \$20 preregistered (\$25 on Saturday, if space available)

Wahine Tree Climbing Workshop

Jamilee Kempton

Want to learn how to climb trees? This 4-hour class will introduce the basics of tree climbing in a fun filled, low-pressure atmosphere. This is a hands-on workshop where participants will engage in all aspects of tree climbing: rope installation, tying appropriate knots, and entering the tree. No tree climbing experience necessary. Recommended attire: hiking shoes, work pants, and a long sleeved t-shirt. Please note that tree climbing does require some upper body strength. If you are active and enjoy exercising, this is an awesome opportunity for you to climb some of the most beautiful trees on the island of O`ahu. Jamilee Kempton, staff Arborist at Lyon Arboretum is the 2013 Western Chapter Women's Tree Climbing Champion, and was the top ranked competitor from the USA at the 2013 International Tree Climbing Championships. Limited to a maximum of 10 climbers. CEU's (continuing education units) for this workshop are available for ISA Certified Arborists/Tree Workers).

Saturday June 28

9 —1

\$75

Urban Chicks: Raising Backyard Chickens

Instructor: Pat Chung & Meg Lin

Learn how to get started raising chickens in your own backyard. Meg and Pat have been caring for chickens (and living peacefully with their neighbors!) for several years. Learn how you too can enjoy fresh eggs, practice chemical - free bug control, and how to care for new chicks. Learn about chicken laws and local city ordinance, if you should build or buy a chicken coop, how to pick a breed, and all the other important questions to get you and your chickens off to a long and happy relationship! Saturday July 19 9-11 \$20

Lei Making & Lei Plants: a 3 class workshop

Instructor: Brian Choy

Brian Choy, deemed a master lei maker by his peers and fans, will teach this series of classes. The first class will focus on learning the wili method of lei making, the second class on haku with ti, and the last class on planting and maintaining a lei garden. The classes are taught as a successive series, enrollment includes all three classes. Students will be provided with a list of floral materials and supplies to bring for the class (no equipment of floral material will be provided). When registering please provide an email address.

3 Saturdays: July 12, 19, 26 9:30- 11:30 \$50

CHILDREN'S SUMMER CLASSES

Kid's Summer Day Camp at Lyon

Instructor: Lyon Education Staff

Join us for a week (or two!) of learning and fun. We are offering two weeks of day long classes themed around Hawaiian culture. We will spend a lot of time hiking, exploring the Arboretum trails and stream, and planting and harvesting in the garden. Students will learn about Hawaiian plants, animals and ecosystems. We'll spend time each day learning mele, crafts, games, stories and `olelo Hawai`i (Hawaiian language). Experience fun and learning. E hele mai! For keiki in grades K-6.

Week 1: (5 days) Monday-Friday, June 2-6 8:30-2:30 \$200

Week 2: (4 days) Monday, Tuesday, Thursday, Friday, June 9,10,12,13 8:20-2:30 \$160

Ikebana for Children

Instructors: Linda Hamasaki & Carole Sakata

As teachers, we all hope to heighten children's appreciation and awareness of plants and flowers, and to inspire children to experience realize the beauty and potentialities of nature. In this very special class, children will get a chance to hike through the gardens to gather materials, and then design their own containers with natural materials they've gathered. Children will use their collected garden treasures to create an arrangement expressing their communication and feelings with nature. Dress appropriately for weather (poncho or jacket, long pants, covered shoes). **Open to children who are currently enrolled in grades 1-4.**

Saturday, June 14 9:00-11:00 \$5

To register call 988-0456. Registration forms can be found online at www.hawaii.edu/lyonarboretum

All classes require preregistration
Call 988-0456 to register for classes

Download an application form for our children's classes at: www.hawaii.edu/lyonarboretum

For information about upcoming classes, please call our Education Department at 988-0461

Registration is required for all classes. You will be enrolled in the class the day your payment is received. Class size is limited, and classes fill quickly. To avoid disappointment, register early.

Payment may be made by check, cash or credit card. To register, call the Arboretum's business office at: (808) 988-0456, or drop off or mail your registration to the business office: c/o Class registration: Lyon Arboretum, 3860 Mānoa Road, Honolulu, HI. 96822.

Class Cancellation and Refund Policy

If it is necessary to cancel your registration, please notify Lyon Arboretum at (808) 988-0456. A full refund, (less a \$5.00 handling charge) will be issued with a minimum 7-day advance notification before the class date. No refunds will be made if you fail to show up for the class. The Arboretum reserves the right to cancel a class. A full refund will be issued if the class is cancelled by the Arboretum.

ADULT CLASS REGISTRATION FORM

Please register me for: _____
(Print title of class, date of class)

My name is: _____
(Please print)

My address is: _____
Street City State ZIP

Daytime phone #: _____
(Please print)

Email address: _____
(Please Print)



Total class fees enclosed: _____

Please sign me up to receive an email notification of upcoming classes and events at Lyon. Yes _____ (make sure you have included you email address above if yes) No thanks _____

Visit www.hawaii.edu/lyonarboretum/education/classes2 for more class details and to download the registration form.

Lyon in the Sun

Join the Friends of Lyon Arboretum for Lyon in the Sun this fall. The family friendly event will feature live music, a plant sale, tours, Hawaiian cultural demonstrations, flower arranging lessons and more! Check FriendsOfLyon.org for the date.

Mahalo for your support!

We acknowledge, with gratitude, the following donations: Alpha Delta Zeta Chapter – Children’s Education Program donation, Alpha Delta Kappa Chapter – Children’s Education Program donation, John Hall – book donation, Eileen Herring – Brachychiton plant, Michi Enomoto – Metrosideros cuttings, Marian Leong – Metrosideros cuttings, Ann Kaodwaki: plant – sale boxes, Edwyna Spiegel – plant sale boxes, Dorothy Higashi – hand-crafted dish towels for sale in gift shop.

Save the trees!

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



Sign up for the email newsletter by November 30 to be eligible for a \$10 gift certificate redeemable at the Arboretum gift shop.

Congratulations to Christy Imata, our Winter/Spring 2014 drawing prize winner!

Good luck next time!



Wish List

School field trip subsidies (\$100 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, mulberry, calamondin, kumquat, surinam and strawberry guava; 50’x5/8” heavy duty garden hose; pruning saw & shears (\$70); tarp (\$10). Mahalo!

We appreciate your donation

Name: _____ Phone: () _____ — _____

Address: _____ City: _____ Zip: _____

Email: _____

Payment method: _____ check (payable to Lyon Arboretum/UHF, Attn account #12043404)

Or Credit Card: _____ (Visa) _____ (Master Card) _____ (American Express)

Account #: _____ Exp date: _____/_____ Security code: _____

Signature: _____

Please send to: Lyon Arboretum / UHF, Appeal code: 09LY2, 3860 Mānoa Rd, Honolulu, HI 96822



University of Hawai'i-Mānoa
Harold L. Lyon Arboretum

3860 Mānoa Rd.
Honolulu, HI 96822
Phone: 808-988-0456
www.hawaii.edu/lyonarboretum

Non-profit Org.
U.S. POSTAGE
PAID
Honolulu, Hawaii
Permit No. 278

Return Service Requested

Send To:

Arboretum Hours:

Monday-Friday, 8am-4pm
Saturday, 9am-3pm Closed
on Sundays & Holidays

\$10 Docent led tours available
at 10am, Monday-Saturday.
Please call 988-0461
for reservations.

Arboretum Staff

Administration: Destin Shigano,
Derek Higashi

Education & Volunteer Programs:
Jill Laughlin, Richard Sears,
Emmalani Makepa-Foley

Plant Collections & Grounds:
Hajime Fujisaki, Jamilee Kempton,
Poco Compehos

Ethnobotany: Līloa Dunn

Micropropagation Lab: Nellie
Sugii, Cindy Yamamoto, Doug
Okamoto, Peter Wiggin

Seed Lab: Marian Chau,
Tim Kroessig

Horticulture: Liz Huppman,
Carol Nakamura

Botanist: Karen Shigematsu

Facilities / Maintenance:
Ken Seamon, Clancy Ako



Head Lei

Prices start at \$25.
Call 988-0461 or
stop by the gift
shop to place an
order.



Upcoming plant sale

Our next sale will be **Saturday May 10, 2014 at the Arboretum from 9 am to 2 pm**. Also, mark your calendars for this year's Holiday Plant and Craft Sale, which will be held November 22.