

# Maui Gardening

Fall 2012

Newsletter Of The Maui Master Gardeners

Vol. 4 Issue 2



**College of Tropical Agriculture  
and Human Resources**  
University of Hawai'i at Mānoa

INTRODUCING THE NEW

Maui Master Gardener  
Coordinator



Lorraine Brooks

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# Volunteers Needed

Maui Fair September 27 - 30

Maui Fair is our opportunity to raise funds for the program through plant sales. Since almost everyone that lives on Maui attends the fair, it's also a great way to promote the Maui Master Gardener Program. Volunteer opportunities include setting up the flowers, fruit, and

vegetable displays as well as manning the information booth.

In addition to the plant sales, we'll have information on the Master Gardener program, fruit fly management, and an area for some of our newly certified plant doctors to answer gardening questions.



Please bring your 10 plants to sell, labeled with common name, botanical name, sun/shade & water requirements to the horticultural building at the fair on Wednesday Afternoon, 1 - 6 pm.

Free parking will be available at UH/MC, near the office and a shuttle will take us to/from the Fair.

To sign up for shifts, please email: Lori Unfus at [lunfus74@gmail.com](mailto:lunfus74@gmail.com)

## Shifts

Wednesday Sept 26, 1 – 6:00 pm, 8 - 12 volunteers needed for check-in, label and organize plants to sell.

Thursday Sept 27, 7 am – 12:30 pm, 18 – 20 volunteers needed to receive, tag, and place entries on display, as well as set foam in vases and arrange flower entries. We're especially short on volunteers for this shift!

Thursday Sept 27, 5:30 – 9 pm, 5 - 6 volunteers needed to serve at the Master Gardener booth and water plants outside as needed.

Friday, Sept, 28, 5:30 - 9 pm, 5 - 6 volunteers to work the Master Gardener booth.

Saturday, Sept 29, shifts are 10 am - 2 pm; 2 - 5:30 pm; and 5:30 - 9 pm, 5 - 6 volunteers needed for each shift.

Sunday, Sept 30, shifts are 10 am - 2 pm; 2 - 5:30 pm; and 5:30 - 9 pm 5 -6 volunteers needed for the first two shifts. The last shift needs 8 - 12 volunteers to break down our booth. We're especially short on volunteers for the last shift!

Monday, Oct. 1, Morning, pickup left over plants outside the War Memorial Building.

## Ahhhhh a FUNDRAISER! Everyone's favorite.

Four score and thirty years ago some well meaning folks planted a hodge-podge of assorted plants around the CTAHR/MG offices and parking lot. The college grounds crew has a very large area to maintain so we must turn to ourselves and ask, "What can WE do to make this area, which speaks to who we are as gardeners, look better?" This is the area which people SEE as they approach the offices for guidance. I feel it should represent our skills, goals, esthetics and speak positively for us.

Being a Landscape Design Consultant, I volunteer to personally work the 2 areas left and right of the office doors. I also would like to prune the Natal Plum in a Japanese style plan to decrease the potential for injuring passersby walking near. Anyone that wishes to learn this style of pruning is welcome to participate and learn. I would like to add more Manila Palms (to the existing ones) within the "parking planter" divide. We also need a Bobcat or Kubota tractor to dig up and rearrange existing plants into a more cohesive arrangement, just 4 hours for one day. The hibiscus hedge is covered in mighty mites and yes, could be treated OR removed and replaced with a less vulnerable species such as the native white hibiscus. Naupaka in here would be a durable filler.

Once we raise the money, those interested in working can put our heads and resources together and get the job done! We need money for plants and compost and if needed some "manly" labor. I propose that if all interested MG's would donate a minimum of \$5 to \$10 together we could raise about \$500+ to do this. I am putting in the first \$100 to demonstrate my seriousness. Clarisse at the MG office will collect the funds so mark your donation as " MG Office Garden Renovations" and we will set a goal for October 15.

Questions, comments or ideas etc, please contact me at [pbeagle@maui.net](mailto:pbeagle@maui.net) or 878-2418. As a note I will be off island from 9/7 to 9/27 but will be able to access email occasionally during that time.

We thank you in advance for your interest in this important project and generous donations.

Master Gardeners no ka oi !!

Pam Beagle

# Master Gardener Hours Logging

## Thanks to Lance Mohler

By clicking below, Master Gardener volunteers can log hours via the internet... H o o r a y !

[Click Here To Log Hours](#)

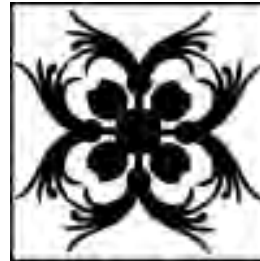


**Cooperative Extension Service**  
College of Tropical Agriculture and Human Resources  
University of Hawai'i at Mānoa

University of Hawaii CES  
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Bldg. 214  
Kahului, Maui, HI 96732  
(808) 244-3242 Ext 229

# Native Nursery

E ho`o paipai a e ho`o lako i na la`au maoli no  
To Promote and Provide Native Hawaiian Plants



Upcountry Sustainability  
hosts Native Nursery growers:

Jonathan Keyser and Ethan Romanchak  
present  
Native Plants for Upcountry Landscaping

On Tuesday, September 4, Jonathan Keyser and Ethan Romanchak will share their knowledge through slides and discussion. As owners of Native Nursery, in Kula, they grow plants and trees for the general public and for reforestation projects. Their presentation will feature photos and descriptions of plants appropriate for the Upcountry eco-zones. Emphasis will be put on proper irrigation techniques and low-maintenance landscape practices. Questions and discussion are welcome.

This event is free and open to the public. It will be held at 7:00 pm, at the Pukalani Community Center's pool room annex (adjacent to the pool, across the street from Foodland).

Questions, call Melanie Stephens at 573-9260.

## Volunteer Opportunity

### Conservation Awareness Program

Cooperative Extension coordinates and conducts educational training for participants at the High Schools and the County/State Conservation Awareness Contest on a yearly basis. The purpose of Conservation Awareness Program is to provide interested youths and organized groups (FFA, 4-H, science classes, etc.) an opportunity to learn, appreciate and understand the importance of soils of Hawaii and its water resources. As the students learn how to judge the land, they will begin to understand the need to control the use of soil, why some types of land are better suited for the production of food crops, while other soils are used for pasture or forest. They also learn recommended conservation practices to help prevent soil erosion for each land classification. Presently, 5 high schools and 1 4-H club on Maui are participating in the program.

This is an opportunity to work with high school students that will compete in the State contest and possibly the National contest. We need volunteers to work with the students to prepare them for the contest as well as volunteers to help with the logistics of the contest itself on Oct. 23, 2012 (Rain date, Oct. 30, 2012).

Please contact Lorraine at [brooks@ctahr.hawaii.edu](mailto:brooks@ctahr.hawaii.edu) or 244-3242, ext. 229 if you are interested.

# Lorraine Brooks

## Maui Master Gardener Coordinator

I am very excited to be the new Master Gardener Coordinator for Maui. I have met a number of you already, at the office and of course, at the amazing meet and greet party to welcome me in March. I truly feel welcome and look forward to meeting the rest of you soon.

As many of you know, I recently moved here from New York City, where I was an extension educator for Cornell University Cooperative Extension-NYC (CUCE-NYC) in the Urban Environment Program. I was involved in facilitating and instructing a 16-week urban horticulture training program for gardeners and volunteers at Central Park. I also developed and delivered community education in urban forestry.

For six years, I was an instructor for the Horticulture Program at Edmonds Community College in Washington State. Some of the subjects that I covered were insect, disease, and weed identification and management. In addition, I taught a sustainable gardening class. My focus has always been water conservation and pesticide reduction.

Almost concurrently, I worked for the Garden Hotline at Seattle Tilth, an organic gardening organization. We had a helpdesk where we answered phone and email inquiries as well as walk-ins. I am very familiar with the stress of trying to answer questions on the spot. I learned rather quickly that it was perfectly okay to tell folks that I would have to get back to them once I did some research.

I hope you know that my door is always open. Please feel free to stop in to talk to me or contact me through phone or email. CTAHR and I are very lucky to have such dedicated volunteers. I can't thank you enough.



Aloha,  
Lorraine



# All About Palms

Chris Wooding

On January 24, 2012, Maui Association of Landscaping Professionals (MALP) invited two speakers to discuss palms, Poet Laureate W.S. Merwin and UH alum and landscape designer Leland Miyano. Mr. Merwin promoted diversity in palms used in landscaping. Starting with a bare slate on his Haiku property, he experimented with several palm species. He discovered palms that not only survived, but helped to improve the soil.

Mr. Miyano discussed landscaping and studying palms in the wild. The discussion included genetic research being done on *Pritchardia* to help distinguish species and study their associations. New species of *Pritchardia* continue to be discovered. Work is also being done to give *Pritchardia* spp. more resistance to New Guinea cane borer.

Miyano recommended using a dense, tall border (which could be non-natives) to keep out weed seeds. His palm recommendations were:

For dry areas: *Coccothrinax ekmanii* (a windmill type)

For wet areas: tall *Archontophoenix alexandrae* (alexandrae can become invasive) and *Dictyosperma album* (princess palm) for smaller areas

Merwin recommended several species:

*Archontophoenix purpurea* – Do Not Plant Out till larger than TWO feet

*Veitchia merrillii* (Manila palm, 20')- Don't plant TOO formally

Taller *Veitchia* spp. (*joannis* reaches 100' in the wild; *Arecina*, 80')

*Sabal* spp. from Central and South America – can be resistant to many pests. *Sabal etonia* is the trunkless scrub palmetto.

Both men recommended Keanae Arboretum or Hillebrand's section of Foster Gardens on Oahu to view palms. Jeff Marcus of Mountainview (Big Island) is a resource for purchasing palms. Merwin applies Effective Micro-organisms (EM) and MorBloom (0-10-10) on newly planted palms.

A MALP member suggested *Clinostigma samoense* and *Chambeyronia macrocarpa* for wet areas. Both palms are self-cleaners.



Princess palm

Photo credit Forest & Kim Starr



Manila palm

Photo credit Forest & Kim Starr



**Contributors:**

Chris Wooding  
Lance Mohler  
Lori Unfus  
Lorraine Brooks  
Melanie Stephens  
Pam Beagle  
Simon Russell

**Special Thanks:**

Karen Bretharte Murphy  
Robert Masters

**Editor & Designer:**

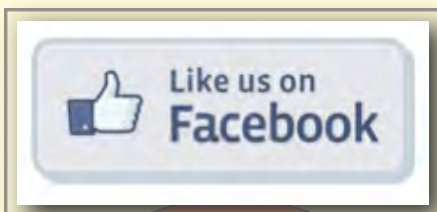
Mary Jo Masters

**Submissions:**

Please submit news to:

Mary Jo Masters

[maryjo@bestmedia.com](mailto:maryjo@bestmedia.com)



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**Congratulations to All of our Certified Master Gardeners!**

On June 22, 2012, we held our Master Gardener graduation ceremony at the Coconut Grill in Kahului. Twenty-six members of the 2011 class earned their certification and 17 of the veterans were recertified. Your dedication to serving the community is remarkable. We so appreciate all that you do! Mahalo!

Newly Certified Master Gardeners	Recertified Master Gardeners
Barry Allison	Dale Bassford
Beverly Rappley	Susan Beall
BK Griesemer	Thomas Hunter
Cyndee Kavula	Francis Kane
Dixie Youts	Charlotte Kennedy
Elisabeth Coste	Shawn King
Eric Demaria	Pamela Miller
Geraldine Lim	Lance Mohler
Karen Bretharte	Eliza Reid
Kathy Harman	Joe Rozic
Kathy O'Brien	Susie Saunders
Kiki Russell	Maryetta Scuito
Kirk Surry	Melanie Stephens
Laura McLean	Merry Tamashiro
Linda Briske	Don Turner
Lori Unfus	Catherine Velasquez
Mary Jo Masters	Christine Wooding
Nancy Eaton	
Pamela Beagle	
Patricia Lynch	
Patsy Pitts	
Raymond Racette	
Rose Newman	
Simon Russell	
Susan Garland	
Tama Brandeburg	



## Upcoming Master Gardener Classes

Do you know someone who would be interested in becoming a Master Gardener volunteer in our community?

Classes begin on January 9, 2013. The course will consist of 3-hour classes over 16 weeks.

The deadline to apply will be October 15, 2012.

Interested applicants should contact Lorraine at [brooksl@ctahr.hawaii.edu](mailto:brooksl@ctahr.hawaii.edu) or 244-3242, ext. 229.

### Volunteer Opportunities

for MG Training

If you would like to help facilitate the MG classes, mentor volunteers, grade tests, etc. please contact Lorraine at

[brooksl@ctahr.hawaii.edu](mailto:brooksl@ctahr.hawaii.edu)

## Doctor, doctor - give me the news!!!

### Congratulations to our newly certified Plant Doctors!

Several Master Gardeners attended a six-week training to become certified Plant Doctors. Lance Mohler and Lorraine Brooks developed and taught the six-week course that concluded with a simulated helpdesk scenario. A special thanks to Chris Wooding who volunteered to be a home gardener with problems for the final for both sessions. I'm sure it was interesting to be on the other side of the questioning! Earl Fujitani of CTAHR and certified arborist Donna Mann also became certified Plant Doctors. We will have another training next spring after the Master Gardener training for those that were unable to attend.

### 2012 Certified Plant Doctors

Barry Allison  
BK Griesemer  
Dale Bassford  
Eric Demaria  
Frank Kane  
Geri Lim  
Kathy Harman  
Kiki Russell  
Laura McLean  
Lori Unfus  
Mary Jo Masters  
Maryetta Scuito  
Merry Tamashiro  
Pamela Beagle  
Susan Beall  
Susie Mastroianni  
Tama Brandeburg  
Tom Hunter



### Interviewers Needed!

If you are interested in helping interview potential trainees, please contact Lorraine at [brooksl@ctahr.hawaii.edu](mailto:brooksl@ctahr.hawaii.edu) or 244-3242, ext. 229. Please provide hours and days you are available to interview.





Round-headed Borer – Photo Credit Forest & Kim Starr

A recent help desk call led our Master Gardeners in a search for a Monkey Pod, *Albizia saman* aka *Acacia propinqua*, tree borer. Our efforts found that most trees in the *Acacia* family share two boring pests, the larvae of the *Indarbela quadrinotata* moth and the larvae of the *Xystrocera globosa* longhorn beetle. This month's article focuses on the Monkey Pod, round-headed, longhorn beetle tree borer.

Adult longhorn tree borer beetles vary from approximately 15-32 mm long. The head has prominent antennae nearly as long as the body. Their elongated body is reddish brown. They have distinctive yellow elytra with a metallic blue or green longitudinal band. The white pupae have an ordinary longicorn shape.

The legless larvae (grubs) vary in size from 30 to 60 mm long at maturity. The larval head and body are yellowish to creamy white with a small dark head and very prominent black mouthparts.

The round-headed monkey pod boring beetles attack stressed trees with grubs making large galleries in the sapwood. The galleries comprise two sections. The pre-pupal section is at a right or obtuse angle to the outer bark at least halfway through the bark. The pupal section is usually within the sapwood running parallel to the bark

Tree vigor and health minimizes the possibility of borer infestation. Sanitation is crucial not only to pest control but also to preclude further tree damage from disease. Promptly dispose of material infested by borers. Remove and destroy trees severely infested by borers. Galleries are usually free of frass and thus amenable to effective fumigation. Fumigation is expensive and is normally reserved for very valued trees. When the pests are within these galleries, spray insecticides are ineffective. One reference suggests that it may be possible to skewer the grub with a stiff thin wire. This tends to be confirmed knowing that these grubs are considered delicacies in some areas of the world. References disagree on the effectiveness of systemic insecticides. As adults, these beetles are nocturnal and control is difficult.



Round-headed Borer Larva – Photo credit Michael Bohne

## Waste Not Want Not Susan Freitas

### Volunteer Extraordinaire

Suzanne Freitas calls it fruit cycling. This is the process of harvesting and distributing fruit that would otherwise go to waste. In 2008 she started the Waste Not Want Not (WNWN) non-profit foundation, which uses the donations from its sponsors to buy the tools necessary for the volunteers to harvest and distribute 229.7 tons of food to date.

Suzanne is a warm hearted, gregarious character who loves to help people. She has been married for 30 years to Jack Freitas, whose father Joaquin instilled in them a passion for planting fruit trees. He loved to save fruit seed and plant it all over the island for the future food supply.

When Suzanne's parents and grandparents were in an elderly care home here, she took them fresh fruit and veggies, and they loved it. She soon noticed that the other people at the home would appreciate the same. As time went on the idea grew in her mind to start a non-profit to pick fruit from the surplus available on Maui. Some people at the home pointed it out that it was biblical to harvest and give away fruits, the book of Ruth called it gleaning. Suzanne says improvement in the health of

the elderly people was soon apparent in their excitement

when the fruit came in, the vitamins and minerals from the freshly harvested ripe fruits put a spring in their step. They are happy to trade fruits and recipes for all sorts of food preparation too!

As the operation grew in cost, and the load became almost too much for Suzanne, she was about to give up in 2011, but someone donated \$25,000, more than enough to encourage Suzanne to continue her labor of love. This year the same donor gave another \$25,000 allowing WNWN to grow, and Suzanne to hire employees to help with the office and field work.

Suzanne is focusing on building a model structure that can be duplicated throughout the islands. Her background in real estate and years as a commissioner with the Maui County Planning Commission help her in the arena of land use law and effective implementation of this goal. People on the other islands have been contacting her to build similar groups there.

With help from plant experts to maximize tree health and productivity, and volunteers to help glean and distribute free fruit, our island community could truly start to live from the land, in the way we all talk about. We are a ways off of that goal, as we import over 90% of our food. With some hard work and a lot of love for our plant friends, we will come closer to our goal of food self sufficiency here in the islands.



*Simon Russell gleaning fruit*

Fruit donors can donate fruit for a tax deduction of \$1/lb, or they can go to the nearest retail outlet that sells the item donated, photograph the item with its retail value, and get that amount/lb deducted from their taxes.

WNWN needs volunteers and fruit donors as well as financial contributions that will help grow this enterprise that helps so many in need get fresh fruit. To donate fruit or find out about volunteering please go to <http://waste-not-want-not.org>. They also work with owners of agricultural lands to help bring them into compliance with county ag regulations, insofar as keeping their land in ag production per the 50% rule for all ag lots. Contact WNWN at : [Waste Not Want Not Foundation](http://Waste Not Want Not Foundation)  
P.O. Box 260  
Puunene, HI 96784  
**Phone:** 808.874.8038  
**Email:** [info@waste-not-want-not.org](mailto:info@waste-not-want-not.org)

Simon Russell

# Maui Master Gardener Calendar

The calendar can be found at <https://calendar.google.com>

Log In: [mauimg@ctahr.hawaii.edu](mailto:mauimg@ctahr.hawaii.edu)

Password: ●●●●●●●●

## September 2012

Maui Master Gardeners

Sep 2012 (Hawaii Time)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27 9 am - Helpdesk @	28	29 8:30 am - CES 9 am - Helpdesk @	30	31 9 am - Helpdesk @ 1 pm - Help Desk @	1
2	3	4	5 8:30 am - CES 9 am - Helpdesk @	6	7 9 am - Helpdesk:	8
9	10 9 am - Helpdesk @	11 10 am - MMG	12 Hawaii Tropical Fruit 9 am - Helpdesk @	13 Hawaii Tropical Fruit	14 Hawaii Tropical Fruit 9 am - Helpdesk @	15 Hawaii Tropical Fruit
16	17 9 am - Helpdesk @	18	19 8:30 am - CES 9 am - Helpdesk @	20	21 9 am - Helpdesk:	22
23	24 9 am - Helpdesk @	25	26 8:30 am - CES 9 am - Helpdesk @ 1 pm - Receive MG	27 7 am - Collect Fair 5:30 pm - Tend MMG	28 Maui Fair 9 am - Helpdesk @ 5:30 pm - Tend MMG	29 Maui Fair 10 am - Tend MMG
30 Maui Fair Tend MMG Booth 10 am - Tend Booth 5 pm - Tear Down	1 9 am - Helpdesk @	2	3 8:30 am - CES 9 am - Helpdesk @	4	5 9 am - Helpdesk @	6