



HAWAI'I FOREST INDUSTRY ASSOCIATION

Association News

November 2009

HFIA Receives Support for Pana'ewa Zoo Discovery Forest

HFI A was awarded \$30,000 by the Hawai'i Tourism Authority (HTA) for the *Pana'ewa Zoo Discovery Forest* project, to be located at Pana'ewa Rainforest Zoo & Gardens in Hilo. HFIA envisions a three-acre demonstration forest, which will provide recreational and educational opportunities for community residents and visitors. Plans for the project include:

- ❖ A one-acre native forest that will demonstrate native plants and feature aviaries with native Hawaiian birds;
- ❖ A two-acre plantation forest demonstrating high value hardwoods and agro-forestry; and
- ❖ An interpretive kiosk and signage, plant identification labels, walking trails, benches, and a network of media including brochures, news articles, and web pages.

The Zoo and Gardens is managed by the Hawai'i County Department of Parks and Recreation. The County has cleared two acres for the plantation demonstration area and an additional one acre will be selectively cleared of invasive/alien species in the native demonstration area. Native trees growing naturally in the native forest include 'ohia (*Metrosideros polymorpha*), kopiko (*Psychotria* sp.), and 'ie 'ie (*Freycinetia*).

In the Native Demonstration Forest, visitors will hike a winding trail through a dynamic native forest. Aviaries with native Hawaiian birds will be nestled in the Discovery Forest, offering a peaceful respite and opportunities for learning.

Native, cultural, medicinal, and understory plants will be demonstrated. Culturally significant species that once grew in the traditional farms and native forests of East Hawai'i will be featured. Cultural plants will be endemic, indigenous, non-indigenous, and Polynesian introduced and will include the most important and beneficial plants in Hawaiian culture.

Plants planned for the Native Forest include 'Ohi'a (*Metrosideros polymorpha*), kopiko (*Psychotria hawaiiensis*), 'ie'ie (*Freycinetia arborea*), hapu'u (*Cibotium glaucum*), lolou (*Pritchardia beccariana*), lama (*Diospyros sandwicensis*), hala (*Pandanus tectorius*), naupaka kuahiwi (*Scaevola gaudichaudiana*), and ama'u (*Sadleria cycatheiodes*).



'Ohi'a lehua.

In the Plantation Demonstration Forest, visitors will navigate their way through a linear trail along a two-acre plantation forest. High value hardwoods and agro-forestry will be demonstrated.

Plans for the agro-forest area include an over-story of 'ulu or breadfruit (*Artocarpus altilis*). Mango (*Mangifera indica*) and kukui (*Aleurites moluccana*) trees will augment the 'ulu plantings. Plans for the midstory plantings include 'ohi'a 'ai or mountain apple (*Syzygium malaccense*), hala (*Pandanus tectorius*), mai'a or banana (*Musa* spp), and noni (*Morinda citrifolia*). Plans for the under-story include awa (*Piper methysticum*), and 'uala or sweet potato (*Ipomea batatas*).

The plantation demonstration forest will feature Queensland maple (*Flindersia brayleyana*), Tallowood (*Eucalyptus microcorys*), and Rainbowbark (*Eucalyptus deglupta*). The demonstrations will provide landowners considering a forestry project with information such as type and number of trees to plant, spacing, rotation schedules, and proper planting and maintenance techniques.

The Discovery Forest will be located immediately adjacent to existing zoo exhibits. An estimated 170,000 people a year who visit the Zoo and Gardens will benefit from this project. Existing educational materials relating to topics such as reforestation, forest management, small-scale tree farming, agro-forestry, cultural heritage plants, and native Hawaiian birds will be available. An interpretive kiosk, interpretive signs, a project brochure, and web pages are planned. Sitting benches sponsored by community donors will line the trails and eventu-



'Alae 'ula.

ally, most plants will be labeled. Labels will include scientific name, Hawaiian name, plant family, traditional uses, and other useful information.

Community partners who have expressed an interest in participating in the project include: Hawai'i Forest Institute; Community College Forest TEAM and the Jr. Forest TEAM Club; College of Tropical Agriculture and Human Resources; Aileen's Nursery; Future Forest Nursery; Awapuhi Farms & Mill (Jay Warner); and the Keauhou Bird Conservation Center.

HFIA is seeking monetary and volunteer support for this community education project. If you would like to help, please call HFIA at 808-933-9411 or email us at hfia@hawaiiiforest.org.



Monkeypod.



Kukui.



'Ulu.

Koa Auction Fundraiser

HFIA is auctioning off 3,200 board feet (b/f) of Koa through four individual auctions.

Auctions will be held November 29th through December 11th. This beautiful koa wood comes from Waipunalei on Hawai'i Island, and was sawn and graded by Jay Warner. It has been stickered and air dried for three to four years.

Auction A: Opens: Sunday, November 29th at 12 PM
Closes: Wednesday December 2nd at 12 PM

#1: 240 B/F Select 8/4, 6'-8' lengths, random widths, 25 Boards	Opening Bid: \$3,200
#2: 133 B/F Select 8/4 Curly, 6'- 8' lengths, random widths, 25 Boards	Opening Bid: \$2,800
#3: 253 B/F Select 8/4, 6'-8' lengths, random widths, 38 Boards	Opening Bid: \$3400
#4: 130 B/F Select 8/4 Curly, 6'-7' lengths, random widths, 18 Boards	Opening Bid: \$2,700

Auction B: Opens: Wednesday, December 2nd at 12 PM
Closes: Saturday, December 5th at 12 PM

#5: 202 B/F Select 8/4, 6'-7' lengths, random widths, 31 Boards	Opening Bid: \$2,700
#6: 280 B/F Select 8/4, 6'-9' lengths, random widths, 38 Boards	Opening \$3,800
#7: 172 B/F Select 8/4 Curly, 6'-8' lengths, random widths, 25 Boards	Opening Bid: \$3,600
#8: 153 B/F Select 8/4 Curly, 6'-8' lengths, random widths, 18 Boards	Opening Bid: \$3,200

Auction C: Opens: Saturday, December 5th at 12 PM
Closes: Tuesday, December 8th at 12 PM

#9: 294 B/F Select 8/4, 7'-9' lengths, random widths, 31 Boards	Opening Bid: \$3,900
#10: 254 B/F Select 8/4, 6'-9' lengths, random widths, 28 Boards	Opening Bid: \$3,400
#11: 154 B/F Select 8/4 Shorts, random lengths and widths, 48 Boardssq	Opening Bid: \$1,500
#12: 75 B/F Select 8/4 Shorts Curly, 3'-4' lengths, random widths, 28 Boards	Opening Bid: \$1,200

Auction D: Opens: Tuesday, December 8th at 12 PM
Closes: Friday, December 11th at 12 PM

#13: 154 B/F Select 8/4 Shorts Curly/Matched, 3'-5' lengths, random widths, 41 Boards	Opening Bid: \$2,800
#14: 126 B/F Select 4x4x7'; 3x3 Select Shorts 3'-5' lengths, random widths, 26 Boards (2 4-Post Beds)	Opening Bid: \$2,000
#15: 368 B/F Select 8/4, 5'-7' lengths, random widths, 62 Boards	Opening Bid: \$5,000
#16: 137 B/F Select 8/4 Curly, 6'-8' lengths, random widths, 18 Boards	Opening Bid: \$2,900
#17: 104 B/F Select 8/4 Curly 7'-9' lengths, random widths, 12 Boards	Opening Bid: \$2,200

Go to www.hawaiiiforest.org and link through "HFIA News and Events" to view Koa Auction Information.

Contemporary Hawai'i Woodworkers Book Launch

Step into the world of some of Hawaii's finest woodworkers. Like the islands they call home, these artists have been somewhat isolated from the rest of the world. Until now. This hardcover, full-color, coffee-table book shares the inspiration, imagination, and creativity of 36 wood artists who draw inspiration from Hawaii's rich culture. You'll learn about their knowledge of the native woods, their joy of working in wood, and the influence these islands have on their creations.

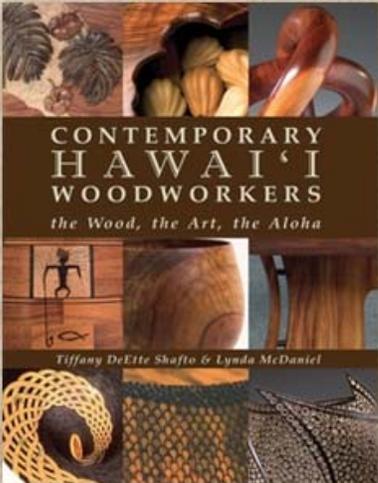
Contemporary Hawai'i Woodworkers, a treasure of a book measuring approx. 10" wide by 12" high, features artists who have either received awards in juried or judged Hawai'i fine craft/woodworking exhibitions and/or have had pieces purchased by the Hawai'i State Foundation on Culture and the Arts for public display.

Through their own words, you'll learn what inspires the artists, why they feel drawn to create, and how they are connected to their work. In addition to showcasing these talented woodworkers, *Contemporary Hawai'i Woodworkers* also features:

- ❖ Chapters introductions that include a brief history about Joinery, Sculpture, and Woodturning—tracing how these art forms developed in the islands.
- ❖ A chapter about Hawaii's trees that takes you on a journey into the forests and shares photographs and stories of the trees most commonly used by these woodworkers. An additional feature about native species, which could be used by future generations if they are properly reforested and sustainably harvested, has an eye toward the future. It explores the need to focus on conservation and restoration of our native forests.
- ❖ The final chapter recounts the vision and foresight of the founders of Hawaii's fine craft/woodworking organizations, including the Hawai'i Forest Industry Association. Founders of these organizations created opportunities for wood artists to share their work with the public through exhibitions. This graphically captivating coffee-table book will connect you with that which is distinctly Hawai'i—the wood, the art, the Aloha. Article provided by Tiffany Shafto.

SPECIAL INVITATION
CONTEMPORARY HAWAII' I WOODWORKERS
BOOK LAUNCH PARTY

YOU'RE INVITED TO A SPECIAL CELEBRATION
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New works by many of the featured woodworkers on display and for sale.

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rsvp@martinandmacarthur.com

Friday, December 4, 2009
 Starting at 4:00 p.m.

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In the Spotlight

Featuring HFIA Member Shaun Fleming

Shaun Fleming is a Maui woodworker who specializes in fine custom furniture, as well as fine bowl turning (ipus in Hawai'ian). She comes from an old and respected "Kama'aina" family. Her great-great grandparents came to Maui from Norway on a ship in 1880. At that time her great-grandmother was three and she was raised in Keanae. Her great-grandfather ran the old Kahului Store and was also influential in starting the Chamber of Commerce. His brother was instrumental in the Kahului Railroad. So the roots go quite a way back.

Shaun's passion and dedication shows in her pieces, especially the self-sufficiency in aesthetics, use of local materials, and the impact local traditions have on her art. She has an eye for detail, such as using unique materials and shapes for handles. On one of her hanging cabinets, she used hand blown glass handles fastened with braided brass, which seamlessly enhanced the elegance and interest of the piece. Each piece she creates captures the unique quality and exotic beauty of the Hawaiian wood from which it is fashioned.

One of the favorite woods Shaun uses in her creations is *Acacia Koa*. "Much of my koa comes from a small private forest planted in the early 1900's by D.T. Fleming. Other woods seen in my pieces are Mango, Kamani, Milo, Pheasant Wood, and Norfolk Island Pine, just to name a few", she said. Like most conservation-conscious woodworkers, Shaun prefers to use wood from downed trees felled by the frequent storms that hit the Island of Maui.

Shaun designs and creates original furniture and other works of art as well as being an avid surfer and mother of three. Her studio, *The Wooden Touches Studio*, is located on the North Shore of Maui. Shaun's beautiful works of art are currently exhibited at the Hana Coast Gallery. Visit Shaun on the web at www.woodentouches.com.



Images from Shaun's *Wooden Touches* Gallery.



Hawai'i Island Native Seed Bank Cooperative Update

by Jill Wagner

The Hawai'i Island Native Seed Bank Cooperative, now in its second year, is ready to grow in 2010. The focus of the seed bank for 2009 has been to develop partnerships with sites that represent the dryland forest region, and to obtain collecting permits with the State of Hawai'i for those sites. Three sites joined the Cooperative and permits have been obtained.

The first site is the Kaloko-Honokohau National Park in Kona. The site is a coastal dryland forest at approximately 150' elevation. It is a zone adjacent to the strand on a pahoehoe flow that begins with stands of ilima and maia pilo. The area was overtaken by keawe, as many low elevation sites have, but there are many native species among them that were released from their thorny cages and are thriving in their coastal home. The site has a trail from the visitors center parking area to the beach, thus visitors can see some native dryland plants. There are a number of species represented including ko'oko'olau, pua kala, alahe'e, naio, and aweoweo. Collecting permits were obtained from the National Park Service for the seed bank.

The second site is the Ka'ūpūlehu Dryland forest. The dryland forest site is located at 1400' elevation and is one of the most important dryland forest sites on Hawai'i Island. It has a full range of diversity for the ecosystem. It is a beautiful remnant dryland forest and also an on-going restoration site, therefore the trees are mixed in maturity. Seed is abundant at this site, thus it is a critical site for collection. Permits have been obtained and there were several deposits into the seed bank in 2009.

The newest site for the seed bank is the State of Hawai'i, Aweowe site in the Pu'u Wa'a Wa'a region of North Kona. Like the Ka'ūpūlehu site, Aweowe is a remnant site that has good diversity and will be an important collecting site for the seed bank. The first collection was done in September.

Site Manager Mike Donoho also mentioned other sites that would be good collecting areas in the vast Pu'u Wa'a Wa'a region.

What will be the first project of the seed bank? The plan for the seed bank is to collect seed for a few years (2-4 years), then contribute seed to a project for broadcasting or other restoration purposes. The West Hawaii Wildfire Management Organization has suggested a demonstration project of native species at Waikoloa Village. Residents would be able to see native plants and learn about which species would be appropriate for their area. Perhaps this can be the first project using seed from the seed bank.

Volunteer seed cleaning work was done on May 16, 2009. The volunteers worked on cleaning mamane, aalii, and aweoweo seeds. Thank you to the volunteers for helping to prepare this seed for storage.

The seed bank, which is administered by the Hawai'i Forest Institute, now has a page on the Institute's website. To learn more about the seed bank, go to www.hawaiiforestinstitute.org and click on "Our Projects" or contact Project Coordinator Jill Wagner at 807-325-2377.



Volunteers clean seed for the Seed Bank.

Summary of the Forty-fifth Session of the International Tropical Timber Council: 9-14 November 2009

The forty-fifth session of the International Tropical Timber Council was held in Yokohama, Japan, from 9-14 November 2009. At this session the Council considered: implementation of current and future work plans; including Reducing Deforestation and Forest Degradation and Enhancing Environmental Services in Tropical Forests (REDDES), and on Tropical Forest Law Enforcement, Governance and Trade.



A BRIEF HISTORY OF THE INTERNATIONAL TROPICAL TIMBER COUNCIL: The International Tropical Timber Agreement (ITTA) was negotiated under the auspices of the United Nations Conference on Trade and Development to: provide an effective framework for cooperation and consultation between countries producing and consuming tropical timber; promote the expansion and diversification of international trade in tropical timber and the improvement of structural conditions in the tropical timber market; promote and support research and development to improve forest management and wood utilization; and encourage development of national policies for the sustainable utilization and conservation of tropical forests and their genetic resources and for maintaining the ecological balance in the regions concerned.

The ITTA, 1983 established the International Tropical Timber Organization (ITTO), headquartered in Yokohama, Japan, which provides a framework for tropical timber Producer and Consumer countries to discuss and develop policies on issues relating to international trade in, and utilization of, tropical timber and the sustainable management of its resource base. The ITTO also administers assistance for related projects. The ITTO has 60 members, including the European Community, which are divided into two caucuses: Producer countries (33 members) and Consumer countries (27 members). The ITTO's membership represents 90% of world trade in tropical timber and 80% of the world's tropical forests.

HIGHLIGHTS OF ITTO-45: A total of US \$9.3 million in new funding was announced, including US \$2 million towards Thematic Programs on Community

Based Forest Management, and on Enterprise and Trade and Market Transparency.

A BRIEF ANALYSIS OF ITTC-45: A climate of uncertainty pervaded ITTC-45, not only because of external events such as the looming Copenhagen climate change summit in December, or the ongoing repercussions of the world financial crisis, but also due to concerns surrounding the Organization itself. There were question marks about the continuing decline in project funding and the implementation of new Thematic Programs, both of which hinge upon entry into force of the ITTA 2006. Nearly four years after it was signed, ITTA, 2006 has yet to enter into force. While this is not unduly long compared to the experience of other environmental agreements (the Kyoto Protocol took over seven years to enter into force), the delay has had implications for the Organization's work and on ITTC 45 issues (e.g. budget planning, project funding, future meetings).

Finally, there are the larger uncertainties for forests in relation to other environmental issues and the ITTO in relation to other organizations. The developments on reducing emissions from deforestation and forest degradation (REDD) within the climate change regime raises questions for ITTO and its REDDES Thematic Program. The most recent draft negotiating text on REDD indicates that this mechanism may end up being primarily about forest management, and not protection as previously envisioned. The former is perceived as ITTO's territory, exemplified by ITTO publications since its early years, including its first Guidelines for the Management of Natural Tropical Forests in 1990 and Guidelines for the Sustainable Management of Planted Tropical Forests in 1991. Yet ITTO is not among the international organizations involved in UN-REDD, a multi-organizational partnership assisting tropical countries with capacity building for a probable REDD mechanism, nor is it one of the high profile organizations positioning to be at the forefront of this issue globally. As greater financial support for efforts on forests



International Tropical Timber Council meeting.

in relation to climate change becomes a reality, there is serious concern that funds may be diverted away from ITTO.

To put things in perspective, the World Bank's Forest Carbon Partnership Facility, a collaborator with UN-REDD, has thus far received US \$107 million from 11 donors dedicated to a REDD Readiness Fund. Another US \$51 million has been committed to a Carbon Fund. Contrast this with the US \$4.4 million that has been pledged to the ITTO's Thematic Program on REDDES. This competition of mandates might result in ITTO using the opportunity to focus on enhancing other environmental services in its REDDES Thematic Program, leaving attention to climate change mitigation to other forest-related institutions, such as UN-REDD.

Questions surrounding entry into force of ITTA, 2006, funding for administration, core operations and projects and activities of the ITTO, and ongoing forest-related discussions within the climate negotiations

each present challenges for the ITTO. Nevertheless, as was evident at this session of the Council, the ITTO has developed organizational competencies and expertise and has contributed to capacity building among its members in the management of tropical forests through its policy and project work. This represents a niche within the increasingly crowded field of international environmental governance, including within the Collaborative Partnership on Forests. All in all, ITTO remains a vibrant organization capable of delivering valuable support to its members, and fills an important niche, but its capacity will be increasingly limited in the absence of the certainty that entry into force of the ITTA, 2006 can deliver.

Article submitted by Michael Buck. This is an edited summary, highlighting issues of interest to the National Association of State Foresters. A full summary, published by the International Institute for Sustainable Development can be found online at: <http://www.iisd.ca/forestry/itto/itc45/>.



Hawaiian Ecosystems at Risk (HEAR) *Invasive species information for Hawai'i and the Pacific*

The mission of the Hawaiian Ecosystems at Risk project (HEAR) is to provide technology, methods, and information to-and to facilitate communication among--decision-makers, resource managers, and the general public to help support effective science-based management of harmful non-native species in Hawai'i and the Pacific. Visit the HEAR website at www.hear.org.

Attentions Woodworkers!

John Wray has a 60 foot norfolk pine in his yard in Waimea. If you would like some of this wood, contact John at jwray@kitv.com or 808-535-0229.

HTA Supports Ka Pilina Poina ‘Ole “Connection Not Forgotten”

H FIA was awarded \$10,000 by the Hawai‘i Tourism Authority for the *Ka Pilina Poina ‘Ole* “Connection Not Forgotten” project. The project provides outreach and education at Ka’ūpūlehu Preserve and Kalae-manō Cultural Center. Other project partners include: Kamehameha Schools, Bill Healy Foundation, Bishop Museum, Group 70 Foundation, Hawai‘i Forest Institute, Hawai‘i County, and the US Fish and Wildlife Service.



Students at Ka'ūpūlehu, field testing hand-made o'o bars of non-native waiwi wood to plant native seedlings . Oct 2009 by YYC



Keoki Carter at Ka'ūpūlehu, instructing use of hand-made o'o bars of both native and non-native woods . Oct 2009 by YYC



Yvonne Yarber Carter providing outreach at Keolakehe Intermediate, prior to their visit to Ka'ūpūlehu dryland forest. Oct 2009 photo: Keoki Carter

Hawaii's Woodshow™ 2010 Announces New Award

Newly Created Award Will Recognize the Importance of Koa

Hawaii's Woodshow, HFIA's 18th annual statewide juried woodworking exhibition, is scheduled for March 27 through April 11, 2010 at the Honolulu Academy Art Center. A Koa: Standing the Test of Time award will be presented by the Hawai'i Department of Agriculture at the Opening Night Reception on Friday, March 26, 2010. The winning candidate will be the one who best meets the following criteria:

- ❖ Demonstrates the use of innovative approaches, techniques or technologies in improving the quality of Hawaii's forests.
- ❖ Demonstrates leadership and has the ability to serve as a model for other efforts in Hawaii.
- ❖ Demonstrates a general concern for the overall welfare of Hawaii's environment and has a positive impact in the community.
- ❖ Demonstrates creativity or uniqueness in their efforts to promote Hawaii forest sustainability, particularly in regards to Koa as part of their everyday business, hobby or passion.

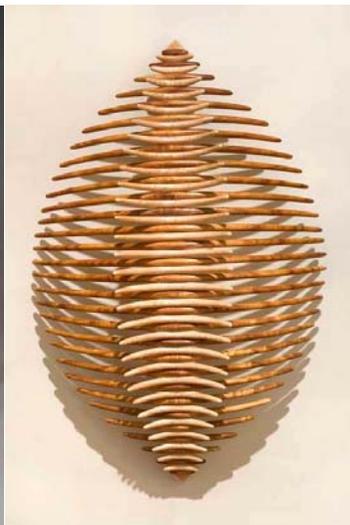
Nomination forms can be downloaded from HFIA website at www.hawaiiforest.org. Entry deadline is March 1, 2010. Individuals may nominate themselves or a person or organization they feel is deserving of recognition. The winning candidate will receive a cash award of \$200 and an award certificate presented by the Hawai'i Department of Agriculture.

Hawaii's Woodshow includes display of remarkable heirloom-quality works made from Koa, Mango, Kamani, Milo, Norfolk pine, macadamia nut, Kiawe and other Hawaii-grown woods. Pieces entered in the Show must be made predominantly from locally-grown woods, and certain rare or endangered species are prohibited. The Show encourages artists to use local, sustainable species that have been planted and brought to maturity here in Hawai'i.

Hawaii's Woodshow 2010 will be open to the public from 11:00 a.m. until 6:00 p.m. Tuesdays through Sundays, March 27 through April 11, 2010. There is no charge for admission, however a \$5 donation is suggested to help HFIA in its efforts to promote healthy and productive forests. For more information, contact Marian Yasuda at (808) 221-5171 or mnyasuda@hawaii.rr.com.



Patrick Kramer.



Michael Smith.



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Kahi Ching.

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Mahalo for upgrading your membership!

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We Need Your Help!

Hawaii's Woodshow

Silent Auction Donations Needed

If you can help, please contact

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HAWAI'I FOREST INDUSTRY ASSOCIATION

P. O. Box 66
O'okala, HI 96774
Phone: 808-933-9411
Email: hfia@hawaiiiforest.org
Website: www.hawaiiiforest.org