Many of our readers have learned of the Millenium Seed Bank in England, but probably not many know about the work being done in the US that feeds into that project.

“Seeds of Success (SOS) is part of the federal interagency Native Plant Materials Development Program. It supports and coordinates seed collection of native plant populations in the United States to increase the number of species and the amount of native seeds that is available for use in stabilizing, rehabilitating and restoring lands in the United States by partnering with the seed producing industry.”

The Garden has been participating in this program since 2006. The Bureau of Land Management, the lead agency, provides funding through an agreement with the Center for Plant Conservation (CPC). Funding is distributed through a contract to each interested participating institution of the CPC.

Each year, Assistant Curator Barbara Keller carries out field exploration, assesses seed production by each population of 50 or more individuals of common and widespread species, arranges for permission to collect on each site, and organizes seed collecting events. The actual collecting is done by the team of Curator Holly Forbes and Barbara Keller. Garden volunteers, most notably Debra Valov, have assisted in the collection of several of these species.

When the plants are flowering, vouchers are made for verification of identification, and placed at three herbaria. In this context, a voucher is a pressed, dried, plant specimen that includes characters necessary for identification and a label detailing where and when it was collected. These specimens are mounted onto acid free paper and can last hundreds of years when protected from insect and environmental damage.

Once the seeds are collected, they are sent to the Millenium Seed Bank (MSB) for cleaning, verification of identification, and viability testing. The seeds are then placed into long term storage at the MSB and at the US Department of Agriculture’s National Center for Genetic Resources Preservation at Fort Collins, Colorado.

It will often take more than one or two visits to a site to complete a collection. The first trip is made to collect a flowering voucher and assess the readiness of the population for seed collection. The next trip, if our assessment is perfect, is to collect the seed. That is not often the case, however.

In the spring of 2007, we found a very large population of rainbow iris (Iris hartwegii) on a rather pristine piece of private property in the Oroville area. Barbara contacted the
owner and received permission to collect at that site. We returned in the summer to collect seed, but we were too late—the capsules had dehisced during a heat wave. In the drought year of 2008 we returned to the population and found that although there were well over 500 plants, too few capsules had been produced to yield the 10,000 to 20,000 seeds that is the goal of an SOS collection. Finally, in July of this year, after a good rainy season locally, we were able to make a collection of well over 10,000 seeds without taking more than 20% of the seed set on that day.

Closer to the Garden, we were scouting a site in Marin County for a common larkspur species, only to have it seemingly disappear between flowering and seeding. A heat wave had caused the capsules to open quickly and much sooner than anticipated, and then dairy cows were herded through the area, trampling any sign of the now dry plants. The wildfires in northern California in 2008 also thwarted some of our seed collecting efforts. *Brodiaea sierrae*, a species that was newly described in 2006 (it was formerly included in *Brodiaea californica*) grows on a rocky ridge near the Concow Reservoir, northeast of Chico. We observed it blooming there in 2008 while collecting seeds of sierra fawnlily (*Erythronium multiscapideum*) nearby. Before we could return, the ridge burned in the Butte Lightning Complex fire, taking the seed capsules of *Brodiaea sierrae* with it. We are hopeful that the underground corms were not destroyed. We plan to return in 2010 to assess the population and try again.

Occasionally we are surprised to find more plants than we originally thought there were. Such was the case with our recent collection of harvest brodiaea (*Brodiaea elegans*). We traveled to the Colfax area where earlier in the year we had discovered a good-sized population of this distinctive brodiaea. In our initial assessment, we thought we might only be able to get about 3,000 seeds, the minimum number for an SOS collection. Instead, after walking and collecting up a steep rocky slope in 95 degree heat, we were able to collect close to 20,000 seeds.

Participation in the Seeds of Success Program has also given us opportunities to collect material for the Californian Collection of the Garden, as well as to increase the number and variety of species offered through our international seed exchange program. It has been very educational to visit sites throughout the spring and summer, and even into December. The vegetation changes across the seasons are remarkable and dramatic.

For more information about the Seeds of Success Program, see http://www.nps.gov/plants/sos

—Holly Forbes and Barbara Keller
A Resource for Children's Tours and Programs

The Crops of the World Garden, with its distinctive hands-on capacity, is a frequent locale for docent-led children’s tours. As children are able to get more up-close and personal with plants, all the senses are enlivened. This area is used for a variety of tours, including Math in the Garden, Fiber and Dyes, Seed Travelers, and Ethnobotany: People Using Plants. A traditional Native American “three sisters” planting of corn, beans, and squash, links perfectly with social studies topics in the classroom. In the fall, the Foods of the Americas program combines a “marketplace” exhibit with visits to the crops growing in the North, Central, and South American beds. Children can experience more directly the concept of where food comes from, as they learn about geography, botany, and nutrition values.

A Resource for Best Practices in Gardening

The Crops of the World Garden is also an area where working demonstrations and interpretive signage highlight the organic gardening techniques that can be done in one’s backyard. Compost piles and pollinator-friendly plants serve the garden both on a practical and educational level. The Crop Garden has also become the site of new public programming with popular workshops that include Urban Gardening in Small Spaces and Edible Landscaping.

Connecting With Visitors

Listening to visitors as they walk through the Crops of the World Garden is like hearing conversations around a dinner table. The smell of lavender transports someone back to a childhood memory. Two visitors compare recipes for nopales cactus. A parent shares with his child a technique for sucking nectar from a flower. This garden connects people and is a cornucopia of learning opportunities.

—Christine Manoux

Touched by more hands than any other area of the Garden, the Crops of the World Garden is an exciting section that is specially linked to our Education program. Last year Public Garden, the quarterly journal of the American Public Gardens Association, invited us to write an article about our Crops of the World Garden; the following are some excerpts.

Crop plants are our social history plants, embodying our cultural development: food, medicine, textiles, trade, traditions, and so much more. In the garden, they are plants that connect with people, intrigue curiosity, and create new understanding in profound ways.

Comprising just one quarter acre at the center of the University of California Botanical Garden’s 34 acres, the Crops of the World Garden is one of the most dynamic sections in the Garden. It provides a special area within a living plant museum where there are hands-on opportunities for a great diversity of students, educators, researchers, and visitors of all ages. The rich educational topics embodied in this garden and its distinctiveness as a place where outside participants may dig, plant, pick and taste make it a unique garden resource.

The Crops of the World Garden got its start in 1980 with a grant from the Elvenia J. Slosson Research Endowment for Ornamental Horticulture. Along with ornamentals, the garden features economically important plants, most of which are edibles - fruits, grains, vegetables, herbs and flowers. A few are valuable for other purposes, such as a flax plant for fiber, mulberry as silkworm food, loofa for sponges, and a cork oak tree. The organization of the plantings reflects the Garden’s theme at large, by place of native geographic origin: lentils, melons, fava beans and artichokes, for instance, all grow together in the African bed; while rice, lemongrass, tea and carrots are found in the Asian bed. These plantings reveal the fascinating story of how plants have traveled the world and changed food culture. Imagine Italian cuisine without tomatoes, a plant that originated in South America!

Nasturtiums are a favorite tasting experience in the Crops of the World Garden.

Photo by Janet Williams
The Garden’s strength derives in large part from the wonderful support that we have received from our community of members and donors, but the economy cannot be ignored, so allow me to deal with our financial picture first so that we can end on a more upbeat tone. The university clearly remains committed to the Garden. However, the Garden has received a substantial cut in our campus budget, equivalent to that in other research units. Less well defined is the future impact of the current economic downturn on other revenues, including admissions, sales, rentals, donations and endowments, which collectively account for over two-thirds of our total operating budget. While these cuts in income are being felt, they have not devastated the Garden, because we have been generally frugal and tried to plan ahead.

The Garden is unique among the Berkeley museums in that it is a living collection and our ‘specimens’ must be attended to daily. Many new plants are under constant threat around the world, and our collection already includes over 1300 of these endangered species, including over 200 of our native California plants. Reducing the attention we give to the collection is not an option. Our annual appeal campaign is underway, and I encourage you to use this opportunity to maintain and preserve our collection with a generous donation. Thank you for your support.

One way we have addressed the need for more public support while at the same time addressing our mission “...to promote public understanding and appreciation of plants and the natural environment” is to present special programs that bring the two together. Two such recent events are noteworthy in this regard. The first was our annual benefit held at the end of June. green gala was a tremendous success, and I offer my congratulations and thanks to organizer Deepa Natarajan, and the many guests, donors, volunteers and staff who supported the event.

Previous garden parties have been somewhat traditional, centered around food, wine and music, but this year we tried something entirely new: green gala--a fashion/design show based on sustainable fabrics. I was especially pleased to see that we attracted a large new audience to the Garden, and was surprised at how many of even our current members discovered the Mather Redwood Grove for the first time. The results all around were astounding! You can enjoy some of the images in a separate article in this newsletter. If you missed this event, I hope you will try to make whatever fund-raiser we put on next year; in fact, I welcome your suggestions for future themes; e.g., how about an old-fashioned barbeque?

Another very special project that expands our horizons is our entry into the world of art. Watercolorist Gary Bukovnik very generously granted the Garden full rights to a new painting, Sarracenia. Bukovnik is well-known for his large body of work involving floral arrangements, but Sarracenia is his first to use the floral displays of a carnivorous plant (the pitcher plants). The subject is particularly appropriate for us in light of our major carnivorous plant collection, and I enjoy the opportunity to introduce the public to their beautiful floral displays, an aspect often overlooked in these bug-eaters. We began by producing a quality print of the drawing which was unveiled at an evening program with the artist.

As a special membership promotion, we are offering a copy of the Bukovnik print, Sarracenia, with every new or gift membership purchased October-December. Please consider this when thinking of what you might give your family or friends for the holidays or other special occasions.
We have added lovely note cards and t-shirts. These are all now available in the Garden Shop. Bukovnik has now embarked on a major project which will be based on a large portfolio of paintings of unusual plants in the Garden, so we look forward to new and exciting art in the future.

In addition to the man-made events, nature put on another show with two giant blooming titan arums or corpse flowers (Amorphophallus titanum) within a few weeks of each other. The first was ‘Trudy’ the original plant that bloomed in 2005. The second was a new smaller bloom (only 4 feet), but it put off the strongest stench I have yet experienced. We have now had a total of five blooms. The seedlings from the pollination last year are thriving and making their way into many Bay Area homes.

I apologize to those who were unable to visit the Mather Redwood Grove this summer because of the closure resulting from an extensive restoration project. Increased water flow over the past decade caused by changes upstream of the Garden resulted in extensive erosion of Winter Creek, the branch of Strawberry Creek that cuts through the Grove. After earlier attempts to mitigate the damage, the campus undertook a more permanent restoration effort that involved excavating and rebuilding the entire branch within the Grove. We hope to have a much improved display by fall. In the interim, the Grove was closed to all except for special weekend events like weddings. The grove continues to be a popular venue for outdoor ceremonies.

Finally, I hope most of you are now on our email lists. Under the supervision of our new Development Director, Vanessa Crews, we have launched a number of monthly email letters (‘Garden Clippings’) as well as twitters and blogs. These are proving the most efficient way to inform our community of special happenings, such as the titan blooms and special programs; and what better way to save trees. If you are not already receiving these, please register on our home page or email vcrews@berkeley.edu. We will not share your address, and we have made it easy to unsubscribe if you so wish.

I will look forward to seeing you at our Fall Plant Sale on Sunday, September 27. It promises to be another exciting one.

—Paul Licht

**Fall Plant Sale 2009**

**Sunday, September 27**

**Members’ Sale & Silent Auction**
9 am - 11 am
Public Sale
11 am - 3 pm

[http://botanicalgarden.berkeley.edu](http://botanicalgarden.berkeley.edu) for plant lists
Celebrating Garden Donors, Volunteers and Members

The Garden recently hosted several events to honor our generous donors and members.

The new Finn House was dedicated on June 4th. Through the generous gifts of Jena Ruhland, in honor of Judith Finn, and the Orange County Community Foundation, the Garden was able to totally renovate a collapsing greenhouse, formerly known as the Navy House. Paul Licht, acknowledging the importance of this gift, stated, “We host one of the nation’s premier rare cycad collections. The collection was threatened by the deteriorating condition of the structure, but with the help of Jena Ruhland’s generous gift the collection is secure in a modern, fully-equipped greenhouse.”

The celebrations continued on June 18 with a ceremony dedicating the Volunteer Propagation Greenhouse. Donors and volunteer propagators gathered at the Garden’s entry plaza and enjoyed wine served with scrumptious cheese, fruit and cruditées from Bancroft Catering. Horticulturist Bryan Gim, coordinator of the Volunteer Propagation Program, told the assembled guests, “Our volunteer propagator and plant sale program is a tremendous asset, generating thousands of dollars for the Garden. We were in dire need of new greenhouse space as well as an adequate and safe propagation area for the volunteers. I’m delighted that we were able to raise over $20,000 and provide this wonderful new workspace. Thank you to everyone for your contributions to this new facility.”

The Garden hosted ‘Celebrate Summer’ on July 30th, a party honoring members and donors who contributed $250 or more over the past year. More than ninety guests gathered on the Garden’s Conference Center Terrace and enjoyed a delicious supper of French cuisine catered by Liaison Bistro, along with fine wines donated by Quivira Vineyards. The sounds of classical guitar by Sean Smith drifted through the Garden and decorations of wild grape vines and hydrangeas with beautiful linens contributed by La Tavola Linens created a magical setting for the event. Some guests delighted in twilight strolls through the Garden while others chatted with staff members on the Terrace. Director Paul Licht thanked the guests for their vital contributions to the Garden, noting, “Garden donors have remained loyal throughout the economic downturn. We are looking forward to partnering with our donors to insure a bright future for the UC Botanical Garden.” Guest Janet Cronk then offered a toast to Paul Licht, thanking him for his thoughtful and dedicated leadership of the Garden.
**Remembering Ruth Hendrix**

The Garden lost a good friend in March when Ruth Hendrix passed away. As a member of the Garden’s first graduating class of ten docents in 1974, Ruth was a pioneer and leader in providing education to Garden visitors. Fellow docent Margaret Mitchell recalls, “Ruth was very thoughtful and bright. She served as one of the first Docent Presidents, and brought organization and vision to the docent experience.” Another member of the first graduating class, Mary Schroeder, fondly adds, “Ruth was so good-natured. She was always smiling and particularly enjoyed giving tours to children.”

Docents continue to play a vital role in the Garden, and we owe much to Ruth Hendrix and the others in that first class of ten women who established a rapport between the public and the Garden. They gave a wonderful legacy of service to the Garden. Ruth’s name will continue in the Garden through her planned gift in the Verne W. and Ruth F. Hendrix Fund. The Garden deeply appreciates her thoughtful gift.

**Tribute Benches**

Nestled by Strawberry Creek, sheltered deep in the Redwood Grove, clustered along the lawn, and hidden under the oaks, the Garden’s tribute benches are an important landscape feature. Resting on a bench, a Garden visitor can contemplate a panoramic view, study nearby rare plants, or just rest weary feet. The thoughtful visitor who reads the tribute bench plaques quickly recognizes that every bench also offers a unique story.

The Garden has several choice locations available for tribute benches. This is a wonderful way to commemorate a special event or honor a special friend and tell a story. Prices start at $15,000.

---

**Great News**

If you’re -

• At least 70 ½ years old,
• Taking mandatory distributions from your IRA, and
• Looking for a way to support the Botanical Gardens tax-free…

New legislation allows you to make gifts directly to Cal totaling up to $100,000 a year from your Roth or Traditional IRA without incurring income tax on the withdrawal. The provision is effective only for the 2009 tax year, so you must act by December 31 to take full advantage of this golden opportunity.

**Membership**

The Garden’s 1500 individual and family members are a vital part of the Garden’s success, and we thank you for your continued support. We’ve offered several unique opportunities for members this summer including a member’s-only viewing of Trudy (the titan arum), sunset strolls and a free concert in the Redwood Grove. Garden members continue to have exclusive shopping time at our spring and fall plant sales. More member events are planned- be sure to read the monthly email newsletter, Garden Clippings for current offerings. You can register for Garden Clippings by sending your name and email address to vcrews@berkeley.edu or visiting the Garden website.

Garden membership is a wonderful gift for your family and friends. And to sweeten the gift, the Garden will include a signed print of Gary Bukovnik’s *Sarracenia* with every purchase of a new or gift membership. This offer is available from October through December of this year only.

Please contact Vanessa Crews, vcrews@berkeley.edu or 510-643-2937 for more information on any of these topics.

Thank you for your support.

—Vanessa Crews
The UCBG green gala Garden Party Fundraiser 2009 was a smashing success! Held on Sunday June 28, 2009, it was a blazing hot day with 130 people in attendance plus over 50 staff & volunteers, so the cool, shady Mather Redwood Grove served as an ideal location for the start of the party. Guests began sipping lemonade and Rosé donated by Quivira vineyards while tasting Dungeness crab cakes and local endive filled with coastal blackberries, California black walnuts and Humboldt fog cheese. When the amphitheater filled up, Director Paul Licht kicked off the Gala with a live auction of five specially chosen items including a trip for two to Argentina and a collection of fine wines from the Garden’s Board. The live auction raised money, was full of excitement and bidding wars, and brought great energy to the Gala. After a short introduction by green gala coordinator Deepa Natarajan, the trio of musicians accompanied as models began appearing through the redwoods. The fashion show featured 11 local designers who use sustainable materials in their garments. Mr. Larkin’s Elsa dress was made from 100% milk fiber and Sasha Duerr used blackberries to dye her garments. Other natural dyes used to color the various fashions were: logwood, madder, annatto, cutch, weld and many more. Some designers used recycled materials or repurposed clothes such as Molly De Vries’s modern take on an 80-year old vintage Asian hand-felted wool jacket, paired with a 70 year old gentleman’s vest. The show featured models of all ages who were adorned with botanicals from our very own Garden incorporated into the make-up & hair design by Shawn Burke of Herringbone Apothecary in North Berkeley and Shannon Solano. After each designer was featured, the models came out for a grand finale and roaring applause. Guests proceeded to the Garden entrance and tour deck for more festivities.

In the Entrance guests walked through a large bamboo garden structure built by Marisha Farnsworth, a natural builder and graduate student in the Department of Architecture at Cal. Marisha’s installation titled “Woven” was not only a great topic of conversation, but also provided much needed shade for guests. Marisha and her team of volunteers worked full days the weekend before the Gala to complete the installation.

A silent auction followed featuring items from overnight stays and spa treatments to wine and vintage parasols. Tables in the Garden were covered in beautiful organic hemp linens with natural dyes donated by La Tavola Fine Linens. Guests enjoyed food from Devoted Catering by Amiee Alan and wine from Quivira. A Jazz trio accompanied the festivities, and the cozy lounge chairs provided a nice retreat for guests, some even wandered the Garden paths and found respite by the Japanese Pool. Many guests enjoyed meeting the designers and models after the show to see the garments close up and ask questions.

The green gala was a grand success and new direction for the Garden Party. Many thanks to all who helped make the event possible. Who knew the Garden could be so fashionable!

—Deepa Natarajan

Designers
Ashley Helvey
Heather Howard & Cat Janky
Jonathan Baker
The Moon: Cory Gunter Brown & Cassidy Hope Wright
Molly De Vries
Mr. Larkin: Casey Larkin
Ocelot: Angelina Deantonis
Sasha Duerr
Tinc: Savannah Knoop
Skye Schuchman
Dal Forte Denim: Tierra Del Forte

Event Sponsors
Cara Mia Photography
David Gilbert Photography
Devoted Catering by Amiee Alan
Eco Fabulous
Eliaz Reitz
Roger Reidlebaur
Jordan Glenn
Nate Bremer
Gorgeous & Green Events
Heart of Green
Herringbone Apothecary
Inkworks Press
Innovative Fashion Council SF
La Tavola
Permacouture Institute
Quivira Vineyards
RBB Architects Inc.
Yelp!
Green Gala

Thanks to Our Donors
Amber Wise
Asian Art Museum
Art Vision
Barbara Strauss
Berkeley Bowl
Berkeley City Club
Berkeley Natural Grocery
Berkeley Repertory Theater
Bette’s Oceanview Diner
Blue Waters Kayaking
Builder’s Booksource
California Academy of Sciences
California Shakespeare Company
Chabot Space and Science Center
Chalk Hill Estate
Chez Panisse
Claremont Hotel and Spa
Del Forte Denim
Diamond K
A Donkey and Goat Winery
East Bay Nursery
Eco-Citizen Boutique
Ecological Artist
The Ecology Center
Filoli
The Gardener
General Graphics Exhibits
Goldeneye Winery
Grand Lake Theater
Greenhouse Green Gifts
Grigich Hills Estate
Herringbone Apothecary
HiH Handmade Paper Lights
JC Cells
Jendarling
John Doyen
La Mediterranea
La Note
The Late Show Gardens
Lawrence Hall of Science
Linda Govan
Marin Shakespeare Company
McDonnell Nursery
Molly DeVries
Momo’s Restaurant
Mrs. Dalloway’s
Oakland A’s
Ocelot
Orchard Nursery
Peet’s Coffee & Tea
Phoebe A. Hearst Museum of Anthropology
Pier 39
Pizzaiolo
Priscilla’s Parasols
Quarryhill Botanical Garden
Rockridge Rags
Sangati Center
Sasha Duerr
Semifreddi’s
The Spanish Table
Sports Basement
Skate’s on the Bay
Sky Saddle Wines
St. John’s Landscapes
Talavera Ceramics
Tante Marie’s Cooking School
Terra Firma Farms
Treehouse Green Gifts
Trish Otten
Yerba Buena Center for the Arts

Thanks to our 2009 green gala Committee
Suanne Inman
Gayle Roberts
Christina Tavera
Kathy Welch

Event Volunteers
Claude Babcock
Joelle Davidson
Gautam Ganeshan
Danielle Levinson
Barbara Licht
Susan Lindh
Patricia St. John
Kathryn Macelellend
Deepa Mehra
Zarah Rahman
Kathleen Smallfield
Nancy Swearergen
Amber Wise

Special Thanks to green gala Underwriters
Maureen & Lawrence Appel
Ronni Brega
Jim & Ann Carrol
Eleanor Crary
Renate & Robert Coombs
Ramona & Manke Davis
Holly Hartley & Oscar Anderson
Elizabeth Helmholtz
Kori Kody & Steve Jackson
Douglas & Laverne Leach
Bob Lichtenstein
Kathryn Maack
Elizabeth Medwadowski
Tanya Muschetti
Cynthia & Richard Plambeck
Jon & Ann Reynolds
Jane & Roy Sandstrom
Sally & Steve Schroeder
Nadine Weil
Congratulations Docent Class of 2009

The Garden celebrates its most recent class of docent graduates. Sixteen docents completed the 25-week training program, which started last September, with flying colors. Docent Training is led by Garden staff, mentor docents, University researchers and professors, and outside speakers. New graduates have been conducting tours since April and will be essential in leading grade-school tours in the fall when school resumes. Graduates (pictured) include: Joelle Davidson, Merrian Fuller, Carolyn Gaye, Betsy Goodman-Smith, Helene Gordon, Elissa Horowitz, Matthew Hughes, Becky Jaffe, Karen Libby, Susan Lindh, Eric Lyons, Deepa Mehra, Zolene Quindoy, Kathleen Smallfield, Thara Srinivasan, and Elizabeth White. Congratulations and thank you!

UCBG Volunteer News

Did you know? The Garden currently has 260 active volunteers! These include 100 docents, 92 propagators, 30 Garden Shop volunteers, 23 horticultural volunteers, six plant clinic volunteers, six curatorial volunteers, five library volunteers and two office support volunteers. Volunteers are essential to the Garden’s ability to fulfill its mission of conservation, research, and education.

Garden volunteers have logged 13,120 hours so far this year! This statistic doesn’t include many, countless volunteer hours UCBG volunteers contribute outside of the Garden doing research, writing, planning, and other important tasks for the Garden and its volunteer programs.

Most impressive is our volunteer retention rate: 70% of our volunteers have been here 10 or more years. Thirty-two of our volunteers have been here more than 15 years. The continuity of program provided by our volunteers is not easily matched.

Thank you to all the Garden’s volunteers… You make a difference!

If you are interested in becoming a Garden Docent, the next training will begin in September 2010. Contact the Volunteer Coordinator to add your name to the list of prospective docents.

To volunteer in any of the Garden’s Propagation, Curation, or Horticulture programs, in the Garden Shop or in the Myrtle Wolf Library, contact the Volunteer Coordinator.

Volunteer Coordinator: 510-643-1924 or perry@berkeley.edu
CALENDAR OF EVENTS

Sick Plant Clinic
First Saturday of Each Month 9 am – 11 am
Free, no reservations required

Stargazing at the Garden
Wednesday September 16, 2009 8:30 pm – 9:30 pm
Join UC Astronomer Jeffery Silverman to view stars, constellations and even a planet. While the sun goes down listen to a presentation about the night sky and then go out into the Garden at night to see the sky in new ways. Learn about history and myths associated with the constellations you see. $12, $8 members

Butterfly Basics
Sunday September 20, 2009 2 pm – 4 pm
View displays of live specimens and then watch a video on butterfly life cycles. Then head out into the Garden’s collection to find caterpillars and butterflies. Learn about attractive butterfly plants for your Bay Area garden all under the expert guidance of the “Butterfly Lady,” Garden docent and volunteer Sally Levinson. $15, $12 members

Music in the Grove
Thursday, September 24, 2009 5:30 pm – 7 pm
Come to the Garden for an evening of soothing sounds and grove grooves with returning artist Hélène Renault, Chloe Makes Music & Friends. $15, $12 members

Native Plant Dyes
Sunday, October 4, 2009 10 am – 4 pm
This one-day class focuses on dye-making the natural way. California native perennials and several common invasive species will be used to create a myriad of colors. Participants will learn the art and ethical practice of harvesting. We will explore the general patterns of local land-use history and its effects on our relationships with these plants. Learn how to prepare plant fibers for dyeing. Dye vats from five plants will be made ready for us to experiment with, using silk and locally sourced wool as our palettes. $75, $65 members

Fall Harvest Social
Thursday, October 8, 2009 6 pm – 9 pm
Celebrate our “Foods of the Americas” exhibit by coming to this exclusive after hours event. You’ll have the opportunity to browse the displays, drink seasonal beers and carve pumpkins too! $25, $20 members

Fall Bird Walk
Saturday, October 24, 2009 9 am – 10:30 am
Observe resident, migrant and vagrant birds in the Garden’s many bird friendly micro habitats with expert Phila Rogers and Associate Director of Collections & Horticulture Chris Carmichael. $20, $15 members

Spooky Tales in the Redwood Grove
Saturday October 31, 2009 1 pm – 2:30 pm
Listen to the Witches Four: Jean Ellisen, Bobbie Kinkead, Carol Nyhoff, and Karin Werner tell you playfully scary stories. Join in a costume parade through the redwoods. Bring your favorite Halloween riddle to stump the witches. And, watch the Teen Witches perform a hilarious ‘Ghost Idol’ with startling talents, of course! $10, $8 for members, price includes one adult and one child, $3 for each additional family member

Gone East:
Exploring the Beauty of the Perfect Tree
Sundays, November 1 & 8, 2009 10 am – 12 pm
Part One: Identification & Plant Selection
Get an overview of the Asian maple species in the Garden’s collection through a slide show presentation. Learn to distinguish the different species and explore Japanese maple cultivars recommended for our Bay Area climate.

Part Two: Autumn in Asia
A tour of the Garden’s Asian maple species in autumn color. The Garden now has over 35 species of maples representative of species from Korea, China, Taiwan, Japan and the Himalayas. There are species with atypical foliage; trifoliate and even entire, unlobed leaves on one evergreen species from Nepal!

Speaker: Elaine Sedlack, Horticulturist and Artist has worked in the Garden for 25 years caring for the Asian Collection, Herb Garden and Chinese Medicinal Herb Garden. $30, $25 members for both parts

Bats in the Garden
Wednesday, November 18, 2009 6 pm – 7:30 pm
Join the “Bat Lady” Patricia Winters for an informative evening presentation in the Garden on bats. You’ll learn the truth about bats and their benefits to the human population. A short lecture and presentation will be followed by a viewing of a variety of live bats that can be seen and enjoyed up close. $15, $12 members; $5 children under 12 accompanied by a parent or guardian

Succulent Wreath Making
Wednesday December 9, 2009 7 pm – 9 pm
Create a gorgeous succulent wreath to enjoy all year round. You’ll select among a variety of succulents and be guided on how to plant and care for your wreaths. $60, $50 members

Evergreen Wreaths & Garlands
Wednesday December 9, 2009 7 pm – 9 pm
Create a beautiful and festive wreath or garland to add to your holiday decorations. Greens from the Garden and other materials are included, but be sure to bring your own hand pruners. $30, $25 members

For all programs: Reservations are required for all programs and events, except the Sick Plant Clinic and Plant Sales. Parking is available in the UC lot across from the Garden on Centennial. Program fees include Garden admission. Register early, class space is limited. Cancellations received at least two weeks prior to program date are subject to a $10 service fee. Program fees of $10 or less and cancellations received less than two weeks to the program are non-refundable. Full refund if the program is cancelled by the Garden. For more info visit http://botanicalgarden.berkeley.edu
**Development Director**

**Vanessa Crews** joined our staff in February. Vanessa is starting her ninth year as a member of the Acalanes Union High School District Governing Board and has garnered many awards for her public service, including Orinda Citizen of the Year. Vanessa is enjoying her work with the Garden and finds that the skills and contacts she acquired doing fundraising for the schools and running school finance measures are also useful for the Garden. Vanessa has four grown children and lives in Orinda with her husband Jesse and their black lab Mac.

**Funding:** We are pleased to receive $29,600 in 2009-2010 funding from the Elvenia J. Slosson Research Endowment for Ornamental Horticulture for our proposal “Propagation Database for Home Gardeners: developing access to the extensive propagation records of the University of California Botanical Garden at Berkeley, Year Two.” Assistant Curator Barbara Keller will continue to perform propagation data entry two days/week through June 2010.

In June **Paul Licht and Associate Director Chris Carmichael** attended the American Public Garden Association (APGA) annual meeting in Saint Louis, where Dr. Carmichael served as vice chair of the North American Plant Collections Consortium (NAPCC), a standing committee of the APGA (http://tinyurl.com/njqqog). The NAPCC is a network of botanical gardens and arboreta working to coordinate a continent-wide approach to plant germplasm preservation, and to promote high standards of plant collections management. He also represented the Garden at a meeting of the 15 gardens which make up the NAPCC Multi-Site Oak (*Quercus*) Collection.

The Cycad and Palm Garden has been the focus of planting efforts by **Horticulturist Meghan Ray**. She has planted out many palms and cycads in Bed 252 behind the Tropical House. The cycads in the containers on the Terrace have been replaced with suitable palm species, which lend a softer touch to this hardscape.

Reconstruction of Winter Creek in the Mather Redwood Grove will be nearing completion as this issue reaches you. Extensive work was done to stabilize the banks to prevent further erosion. This project was performed with campus funds and according to state and federal regulations regarding work in creeks. The new plantings of willow and dogwood will further stabilize the system as trees fill in over time.

Additional interpretive signs are in production, and will be mounted in their garden locations as time allows. These include area introduction signs for the Mediterranean, South American, Mexican/Central American, Eastern North American areas, the Cycad and Palm Garden and the Herb Garden. Several more within-collection signs will follow quickly. We thank the Elvenia J. Slosson Research Endowment for Ornamental Horticulture for funding much of this signage.

---

**GARDEN NOTES**

*New Development Director Vanessa Crews.*

*Additional interpretive signs are in production, and will be mounted in their garden locations as time allows. These include area introduction signs for the Mediterranean, South American, Mexican/Central American, Eastern North American areas, the Cycad and Palm Garden and the Herb Garden. Several more within-collection signs will follow quickly. We thank the Elvenia J. Slosson Research Endowment for Ornamental Horticulture for funding much of this signage.*

*Additional interpretive signs are in production, and will be mounted in their garden locations as time allows. These include area introduction signs for the Mediterranean, South American, Mexican/Central American, Eastern North American areas, the Cycad and Palm Garden and the Herb Garden. Several more within-collection signs will follow quickly. We thank the Elvenia J. Slosson Research Endowment for Ornamental Horticulture for funding much of this signage.*

*Additional interpretive signs are in production, and will be mounted in their garden locations as time allows. These include area introduction signs for the Mediterranean, South American, Mexican/Central American, Eastern North American areas, the Cycad and Palm Garden and the Herb Garden. Several more within-collection signs will follow quickly. We thank the Elvenia J. Slosson Research Endowment for Ornamental Horticulture for funding much of this signage.*
DONATIONS TO THE GARDEN

July 1, 2008 - June 30, 2009

$5000 & up
Anonymous
Kathy & Danvers Boardman
Candy & Howard Friesen
Elmer & Pamela Grossman
Curtis & Kristine Hoffman
Grant & Suanne Inman
Judith & Bruce Moorad
Thomas & Karen Mulvane
Robert Oliphant & Martha Hastings
Mrs. Mary Pierpont
Cynthia & Richard Plambeck
Mr. John Scharffenberger
Ms. Sally Weed
David & Kathryn Welch
Jane & Nelson Weller
Mrs. Myrtle Wolf

$1001 – 1000
Mr. Thomas Wolf
Ms. Mary Ann Sears
Mrs. Kathryn Riddell
Ann & Jon Reynolds
Norman & Janet Pease
Anne & Lester Packer
Ann Miller & Charles Raben
Ms. Marsha Merrick
Ann Miller & Charles Raben
Anne & Lester Packer
Norman & Janet Pease
Ann & Jon Reynolds
Mrs. Kathryn Riddell
Ms. Mary Ann Sears
Jennifer & Marshall White
Mr. Thomas Wolf

$100 – 500
Mrs. Nancy Markell
Mr. Bill McJohn
David & Mary Alyce Pearson
Donna & Darwin Poulos
Mrs. Carla Reiter
Jim & Ruth Reynolds
Michael & Patricia Rudd
Sally & Steven Schroeder
Alison & Mick Seaman
Susan & Stephen Shortell
Marion Trentman-Morelli &
Robert Morelli
Pablo Valenzuela &
Bernardita Mendez
Ms. Jill Weed
Ms. Jean Wilson
Mrs. Alba Witkin

$500 – 1000
Douglas Bates & Mini Pathria
Mr. Alan Bradshaw
California Association of Nurseries &
Garden Centers
Ms. Lisa Carlin
William & Dorothy Clemens
Ms. Eleanor Crary
Ms. Helen Cripps Fisher
Janet & William Cronk
Ms. Patricia Cross
Ms. Ramona Davis
Thomas & Cynthia Delfino
Mrs. Gladys Eaton
Earthworms Garden Club
Theodore & Frances Geballe
Ms. Linda Ingham
Ms. Eleanor Jardine
Mrs. Mary Jewell
Linda & Terry Kanat
Ms. Janice Kidd
Ms. Kuniko King

Kori Kody & Stephen Jackson
Dr. Carol Cohen
Tom Condit & Marsha Feinland
Robert & Renate Coombs
Mrs. Julie Cooney
Judge John Cooper
Norman & Gail Correia
Ms. Mary Lynn Cox
Mr. Lawrence Cork
F.J. & Ellen Dale
Mr. Scott Daniel
Mr. Julian Day
Mr. Walter W. Day
Mr. Frank Delfino
Dr. & Mrs. Charles Desoer
Dr. & Mrs. Jonathan Dixon
Dr. Jack Dolhinow &
Dr. Phyllis Dolhinow
Mrs. Barbara Donald
Mr. Fred Dortort
Mr. & Mrs. Daniel Drake
Mr. Tim Drew & Ms. Chris-Hwang
Mrs. Carolyn B. Dunlavy
Ms. Maria Echaveste &
Mr. Christopher Edley
Dr. & Mrs. Jeffrey Edmunds
Mr. Robert Epstein & Ms. Amy Roth
Julie Faisst & Mark Schwartz
Ms. Betsy Feldman
Dr. Lewis Feldman
Mr. John Ferguson
Ms. Hannah L. Fisher
Dr. Darlene Fong
Mr. & Mrs. Raymond Ford
S. Robert & Sarah Freedman
Ms. Beverlee French
Dr. Helen Frewel &
Dr. Adnan Shakirah
Clement & Jane Galatte
Barbara & Alan Goldman
Mr. & Mrs. Robert Goldman
Hilary B. & Daniel Goldstein
Penelope E. Gordon & Curtis Paige
Linda & Greg Gowan
David O. Gray
Paul & Judy Gray
Martha Griswold & Laurence Elias
Erica & W. Norton Grubb
Mr. & Mrs. Charlie Guthrie
Lee & Ervin Hafer
Elaing & William Halman
Mr. Noble Hamilton III
Margaret Handley & Leif Hass
Happy Valley Garden Club
Mr. & Mrs. William Harrison
Holly Hartley & Oscar Anderson
Mrs. Gene Hassan
Ms. Melissa Hatheway
Hawaii Department of Education
Advisory Committee
Mr. & Mrs. Harry Heckman
Mr. Konrad Herman
Robert & Maralee Hicks
Ernestine & David Hill
Hillside Gardeners of Montclair
Hillsborough Gardeners Club

Ms. Victoria Hird
Dr. Frank Hollingshead M.D. &
Dr. Caroline Schreiber
M.D.
Susan Holloway & Bruce Fuller
Ms. Susan H. Hoisfeld
Lee & Chris House
Justine Humie & Ursula Schulz
Mr. & Mrs. Robert Huston
Bob & Ann Ingham
Patti & Glenn Itano
Ms. Mary Sue Ittner &
Mr. Bob Rutemoeller
M. Anne Jennings & Sharon Duggan
Mrs. Elizabeth Jewell
Mr. & Mrs. Larry Jones
Mr. Richard Josephson
Lizabeth Kaska & Richard Lee
Rose Katsus & David Fyfe
Karen Keeley & Masaaki Yana
Ms. Toni Klassen
Tom & Indra Klatt
Mr. & Mrs. Mark Kohr
Lynn R. Koolish & Glen S. Epperson
Mr. Royal Kopperud
Watson & Sita Laetsch
Mr. & Mrs. Ron Lai
Mr. Peter Langley
Dr. Marianne Laouri
LaVerne & Douglas Leach
Daniel Levin & Galyn Susman
Mr. Yi-Hung Lin
Steven & Judy Lipson
Livermore-Amador Valley Garden Club
Jim Lovekin & Prof. Iris Tommelein
Ms. Paula Lowery
Stephen & Linda Lustig
Mrs. Kathryn Maack
Bonnie MacKenzie & Art Tressler
Mr. Johnathan Macquitty
Richard & Carole Malkin
Ms. Felicia Marcus
Ms. Claudine Marquet
Ms. Robleigh Marr
Merideth H. Marschak
Jack & Evelyn Martin
Toni Martin & Michael Darby
Ms. Susan McCabe
Elimore McCance-Katz &
Michael E Katz
Joye & Charles McCoy
Mr. & Mrs. Stuart McDonald
Judith & W. Stuart McKee
Ms. Maureen McKeown
Emily & J. Brian McKibben
Ms. Nancy McLaughlin
Ms. Elizabeth Medwadowski
Dr. William Meredith
Petra Michel
Susan Miller & Larry Lyons
Neal Miura
Dominic Montagu & Diep Ngoc Doan
Montelindo Garden Club
Mr. Stephen Moore
Thank you to the hundreds of donors who contributed up to $99. Space doesn't permit us to publish your name, but please know your donation is warmly appreciated.

Tribute Bench Donors
Curtis & Kristine Hoffman Bench - Curtis and Kristine Hoffman
Roy Oliphant Bench - Robert Oliphant and Martha Hastings
Philip Pierpont Bench - Elly and Bill Bade

David Weed Table
Erin Collins, F.J. and Ellen Dale, Mr. Julian Day, Mr. Johnathan Macquitty, Ms. Felicia Marcus, Marie Muscardini & Nicholas Silberman, Lynn & Olivier Peron, Mr. William Richards, Michael and Virginia Ross, Cynithia & Donnell Scherer, Olivia Scott-Hurd and John Hurd, M. Abigail Stavros, Ms. Molly Stone, Kerri & Stephen Warner, Ms. Nancy Swearengen

Ms. Sally Weed, Kate Weese & Will Rogers, Ms. Diana Wyman

Janet Williams Bench
Amin & June Azam, Elly & Bill Bade, Katherine & Reginald Barrett, Berkeley Evaluation Assessment Research Center


In Honor / In Memory
In Honor of the Earthworms Garden Club 80th Anniversary
Earthworms Garden Club

In Memory of Louie
Dr. Darlene Fong

In Memory of Rudi Bineweiss
Dr. Darlene Fong

In Memory of Maggie Gidley
Thomas & Karen Mulvaney

In Memory of Rath Hendrix
Elly & Bill Bade

In Memory of Don Kaplan
Suzanne Becker

In Memory of Don Kaplan & Bob Onduff
Dr. Cherie Wetzel

In Memory of Mary Lum
Dr. Darlene Fong

In Honor of Dr. Eric Lyons
Ms. Lynn Garod, Bonnie & Sheldon Goldstein

In Memory of Marisa & Eric Lyons
Ms. Rosalie Hiller, Judith & Alen Maller

In Honor of Barbara & Paul Licht
Ann Miller & Charles Raben

In Memory of Shannon Maloney
Ms. Fonda Karlitz

In Honor of Bob Mulvaney
Thomas & Karen Mulvaney

In Honor of Nancy Swearengen
Ms. Helen Nicholas

In Honor of Jan Washburn & Antonio Leon
Susan Miller & Larry Lyons

In Honor of Cecile Weaver
DONATIONS

Ms. Beverly Bolt  
In Honor of George & Patricia Wolf  
Barbara & Paul Licht  

In Memory of Albert Yee  
Ms. Robleigh Marr  

In Memory of Ms. Carol Yokoi  
Dr. Darlene Fong  

Bequests  
Perry French  
Ruth Hendrix  
Leonard Maudens  

In Support of New Publications  
Linda & Greg Govan  
Ms. Barbara Lyss  

Beehive Demonstration  
Earthworms Garden Club  

Education Program  
Ms. Marjorie Hetzel  

Garden Conservation  
Douglas Bates & Mini Pathria  
Mara & Don Melandry  
Susan Miller & Larry Lyons  

Volunteer Services  
Ms. Helen Nicholas  

In Kind General  
Anonymous  
Martha & Roger Conant  
Mr. Floyd Hayden  
Mr. Bill Weaver  
Mr. Geoff Wong  

Myrtle R. Wolf Library  
Elly & Bill Bade  
Holly Forbes  

Plant Sales  
Mr. Paul Anderson  
Annie’s Annuals & Perennials  
Berkeley Horticultural Nursery  
Ms. Julie Cadigan  
California Flora Nursery  
California Carnivores Nursery  
Devil Mountain Nursery  
The Dry Garden  
Geraniaceae  
Grand Lake Ace Garden Center  
The Great Petaluma Desert  
Tim & Julie Gregory  
Laura & William Hogan  
Hortica  
Ms. Eleanor Kerlinger  
Leona Heights Breakfast Club  
Magic Gardens Nursery  
Ms. Liz McMahon  
The Nursery at Emerisa Gardens  
Peacock Horticultural Nursery  
Rosendale Nursery  
Ms. Ginette Sanchou  
San Francisco Botanical Garden  
San Marcos Growers  
Suncrest Nurseries, Inc.  
Shirley Watts Garden Design & Installation  
Mr. Bill Weaver  

MATCHING GIFTS  
Bank of America  
Chevron Humankind  
Federated Dept Stores Foundation Inc  
IBM Corporation  
Lockheed Martin Corporation  
Northwestern Mutual Foundation  
Ryder System, Inc.  
Union Bank of California  

Contact Vanessa Crews, vcrews@berkeley.edu with corrections. Thank you.  

GARDEN STAFF  
Dr. Paul Licht, Director  

ADMINISTRATION  
Muinat Kemi Amin, Marketing & Membership Analyst  
Vanessa Crews, Development Director  
Emily Dennis, Visitor Services Assistant  
Perry Hall, Volunteer Coordinator  
Nancy Nelson, Management Services Officer  
Deepa Natarajan, Program & Tour Coordinator  
Afroz Navid, Administrative Specialist  
Annabella Reyes, Financial Assistant & Garden Shop Manager  
Margaret Richardson, Rental Coordinator  

COLLECTIONS and HORTICULTURE  
Dr. Christopher Carmichael, Associate Director of Collections & Horticulture  
Holly Forbes, Curator  
Barbara Keller, Assistant Curator  
Anthony Garza, Supervisor of Horticulture & Grounds  
Ken Bates, Horticulturist  
Colin Baxter, Horticulturist  
John Domzalski, Propagator  
Bryan Gim, Horticulturist & Volunteer Propagation Program Coordinator  
Peter Klement, Horticulturist  
Christy Matasick, Horticulturist  
Dr. Robert Raabe, Garden Pathologist  
Meghan Ray, Horticulturist  
Eric Schulz, Horticulturist  
Elaine Sedlack, Horticulturist  

EDUCATION  
Christine Manoux, Program Coordinator  

FACULTY ADVISORY COMMITTEE  
Dr. Lewis Feldman, Chair, Plant Biology  
Dr. Bruce Baldwin, Integrative Biology  
Dr. W. Zacheus Cande, Molecular & Cell Biology  
Dr. Todd Dawson, Integrative Biology  
Dr. Mary Firestone, Environmental Science, Policy, and Management  
Dr. Alan R. Smith, Herbarium  
Dr. John Taylor, Plant & Microbial Biology  

RESEARCH ASSOCIATES  
Dr. Tim Gregory  
Dr. Chelsea Specht, Plant & Microbial Biology  

ADVISORY BOARD  
Beth Burnside  
Lew Feldman  
Robert Ferber  
Candy Friesen (Affiliate)  
David Gray  
Tim Gregory  
Pamela Grossman  
Curt Hoffman  
Suanne Inman  
Warwick May  
Ann Miller  
Bruce Moorad  
John Scharffenberger  

NEWSLETTER  
Holly Forbes, Editor  

Muinat Kemi Amin, Graphic Design  

Development 643-2937  
Director’s Office 643-8999  
Education 643-4832  
The Garden Shop 642-3343  
Information 643-2755  
Membership 642-0849  
Plant Collections 643-8040  
Programs and Tours 643-7265  
Rentals 642-3352  
Volunteers 643-1924  
Fax 642-5045  

E-mail: garden@berkeley.edu  
Web: http://botanicalgarden.berkeley.edu  
The Newsletter is published by the University of California Botanical Garden with support from memberships.  
©UC Regents 2009. Articles may be reprinted with credit to the authors and the UC Botanical Garden.
GARDEN HOURS: The Garden is open from 9 am - 5 pm year round. Closed first Tuesday of each month.

Public Tours are offered at 1:30 pm each Thursday, Saturday and Sunday. Call (510) 643-2755

FALL PLANT SALE 2009

Sunday, September 27

Members’ Sale & Silent Auction
9 am - 11 am
Public Sale
11 am - 3 pm

http://botanicalgarden.berkeley.edu
510-643-2755 x03