

UNIVERSITY of CALIFORNIA
**BOTANICAL
GARDEN**
NEWSLETTER

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Summer/Fall 2006

New Cycads in the Garden

Cycads are the most primitive of surviving gymnosperms, or cone-bearing plants with palm-like leaves and a thick soft stem of storage tissue, mostly lacking any true wood. An ancient lineage, their fossil record dates back to the time of the dinosaurs. Their resemblance to palms or tree ferns ends when the plants produce cones. These cones resemble somewhat the cones of their relatives, the conifers, but they are generally larger. Cycads are dioecious, meaning that each plant has either female or male reproductive structures. Tropical and subtropical in distribution, cycads are found naturally in warmer regions of North and South America, Africa, Asia, and Australia.

The Garden has for years grown a collection of cycads indoors in the Tropical House and other greenhouses, along with a range of hardier species grown out of doors in the Cycad and Palm Garden and Australasian Area. Surrounding the Conference Center, the Cycad and Palm Garden represents one of the Garden's few taxonomically arranged outdoor collections. The coupling of palms and cycads is a widespread horticultural practice, no doubt reflecting the rather



Photo by J. Williams

Some of the many cycads, mostly Encephalartos, that will be planted out in the Garden.

similar growth habit of two otherwise unrelated groups of plants.

In 2002 the Garden contracted with the US Fish and Wildlife Service (USFWS) to care for about 1,000 cycads, obtained as part of an elaborate sting (called "Operation Botany") of an illegal importation, chronicled in a *New York Times Magazine* article that ran on

August 28, 2005. Not all of the plants survived the smuggling process, and it took up to four years for some of them to finally leaf out from a dormant state. At the end of the ensuing prosecutions about 700 plants were turned over to the Garden in its capacity as a Plant Rescue Center for the USFWS. Confiscated plants came from several locations in Africa (mainly South Africa) and Asia, as well as from Australia and Mexico. This donation greatly expanded the cycad holdings of the Garden, more than doubling the number of taxa and adding five times the number of accessions previously held. Prior to the confiscation our collection comprised about 50 taxa in 115 accessions. Currently our holdings number about 123 taxa (out of 250 recognized species)

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CYCADS *(continued from page 1)*

in 690 accessions. All three cycad families and all but one of the 11 recognized genera of cycads are represented in our collection.

Our cycad holdings, and particularly the plants derived from the confiscation, represent a major and exciting collection, and a significant responsibility for the Garden. The majority of confiscated plants were in all likelihood removed from the wild by poachers, resulting in a serious drain on already imperiled populations. Cycads are slow to reproduce and often limited in distribution. A number of the southern African taxa we received are very rare in the wild and almost



Photo by J. Williams

non-existent in botanical garden collections. As reported in a recent Garden newsletter, Garden staff members are working on collaborative conservation projects involving a number of the particularly rare species. In addition to several botanical gardens in the USA, we are working with colleagues from the South African National Biodiversity Institute (SANBI), which includes Kirstenbosch National Botanical Garden, and with the Species Survival Commission for cycads of the International Union for the Conservation of Nature and Natural Resources (IUCN). We have obtained grant and private funding to initiate a breeding program aimed at producing propagules for re-introduction to the wild of certain very rare species. Cycad experts say that the San Francisco Bay Area has an ideal growing climate for this venture. We look forward to making a significant contribution to the worldwide cycad conservation effort.



ABOVE A beautiful form of the endangered *Encephalartos lehmanii* graces the entrance plaza. LEFT: Several *Macrozamia glaucophylla* grace the Australasian Area.

In addition to the very important conservation focus, the Garden has additional plans for the cycad collection. As a living museum, we will grow and display cycads, interpreting their highly interesting biology for the teaching programs of UC and for the general public alike. We also plan to educate about the pressing conservation needs of this unique plant group.

As noted above, we have grown and displayed cycads in the Cycad and Palm Garden for many years under the expert care of horticulturist Judith Finn. We have added specimens from the confiscation to this planting, greatly diversifying the display. We have also planted out specimens in several of our biogeographic collections, beginning with the Australasian and Mexico/Central American Areas. The Southern African Area will soon feature an outstanding display of members of the genus *Encephalartos*, the single largest genus represented in the confiscation. Cycads are also prominently featured in the entrance planting at the front of the Garden. We invite you to visit the Garden regularly to watch the evolving display rare and unusual plants.

—Chris Carmichael

DIRECTOR'S COLUMN

It is hard to believe how quickly time has passed as I begin my third year as Director. I continue to be impressed by the wonders of this Garden and its constantly changing, but always fascinating, character. I am pleased to report that we have enjoyed a number of new achievements that will help us continue growing.

Particularly exciting new heights were reached in two of our major revenue operations, notably plant sales and rentals. The Spring Plant sale proved to be the most successful ever, and by a large margin. While each sale in the last few years has seen a 10-15% increase over the previous one, the last one exceeded all expectations. We sold about 4,000 individual plants with a total revenue about 60% above any previous sale. I believe the success can be attributed to the dedicated volunteer propagators under the leadership of Alan Porter, to the numerous nurseries who contributed valuable material to the sale, and to the large corps of volunteers who



participated in the exciting two-day event. After testing several scenarios around the new entrance in two previous sales, I believe we have finally arrived at an effective layout for plants and people. As another extension of the plant propagation program, our daily plant sales in the Garden Shop's plant deck have also continued to set records. You need no longer wait for an annual sale to get choice plants; in addition to regular mini-sales events ever few months, we are now offering choice material daily.

Our plant propagation program received a significant boost from several recent articles in *Pacific Horticulture* magazine. Our new entrance was featured in an article written by Horticulturist Nathan Smith in the first issue of 2006, and two more articles ran in the second issue (see Garden Notes). The latter included one by Associate Director of

Collections and Horticulture Chris Carmichael and volunteer plant propagator Carlos Rendon on the history of the Chilean bellflower (also known as "copihue", *Lapageria rosea*) in the Garden. Carlos has developed a spectacular collection of cultivars that are now being offered for sale to the public; these featured prominently in our spring plant sale. In another article, our Volunteer Propagation Program

coordinator, Alan Porter, submitted *Beschorneria rigida* as a new Pacific Plant Promotions introduction which has met

ACHIEVEMENTS

Successful plant sales and facilities rental program bring in record revenues and help us grow.



Photos by P. Licht



The "before" and "after" entrance to the Mather Redwood Grove.

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Our facilities rental program, especially for weddings,

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DIRECTOR'S COLUMN *(continued from page 3)*

continues at an unprecedented pace. This season is almost fully booked, often with several events per day over weekends. The Mather Redwood Grove and Conference Center remain the center of these activities, although the beautiful Garden of Old Roses is increasingly popular for small events. Margaret Richardson can take much of the credit for making the success of this program. Partly in response to the increased use of the Mather Grove and also to complete our beautification of the Garden, you will find that an attractive iron fence has replaced the hodge-podge of chain link gates and fencing that formed the entrance to the Mather Grove. If you are thinking of a celebration of some kind, please consider using our beautiful facilities.

In addition to the Mather Grove entrance, the improvement of our restrooms has proceeded with the installation of vinyl flooring to cover the raw concrete and with the addition of a hot water supply. I believe that these little improvements add to the appreciation of a visit.



Photo by P. Licht

The side of the restored home at Tanglewood, with view of Sausalito Harbor.

Another major project that may be unknown to many of you concerns the garden estate in Sausalito known as Tanglewood. I will write more about this later, but briefly, a 1.2 acre estate was deeded to the Garden in 1994. It contained one of the oldest homes in Sausalito, built in the 1870's, that had fallen into some disrepair. We have just completed a thorough renovation of the home and are in the process of restoring the garden. The home will be leased for

private use in order to generate income for the Garden collection in Berkeley.

My emphasis on these various activities related to revenue generation may not be lost on you. I must remind you that while we are a part of the university, funding from campus constitutes only a fraction of our operating budget. In fact, campus funding covers only about half of our staff budget and includes absolutely nothing for the normal operation or our extensive educational program. Without the volunteer docent program, plant propagators and shop volunteers, our revenue generation and the generous gifts of donors, this Garden with its magnificent plant collection would cease to exist in its current state. On this note, I strongly urge you to consider joining our group of volunteers, beginning with our docent training in fall.

On a more exciting botanical note, I am pleased to announce that many of our newly acquired cycads are being planted out, most notably the Australian species of

Macrozamia and *Cycas* in the Australasian Area and Mexican Dioon in a bed in front of the Orchid, Fern and Carnivorous Plant House. These represent a significant addition to our outdoor collection and make a great display.

The purchase of benches to honor someone has attracted considerable attention in the past few years. As a result, we have few sites remaining, and I urge you act soon if you are interested. In this regard, I would like to share my personal experience. My wife Barbara and I decided to purchase a bench that we could enjoy now and, hopefully, for years to come. We purchased one of the two in the two entrance plaza area and I can tell you that it has already given us much pleasure. The other is one of the few still available.

There is no substitute for a visit to the Garden, but if you are unable to come in, I encourage you to stay connected through our website. We are trying to keep it timely and

you will find information on upcoming events, special plants that are in bloom and general Garden news. We now also have a mailing list for those of you who want to get notices directly; I promise these will be kept to a minimum and will focus on special events like the special plant sales or programs. If you are not already receiving these, please send an email to garden@berkeley.edu and we will add your name to the list.

—Paul Licht, Director

DON'T MISS THE

Fall Plant Sale!

MARK YOUR CALENDAR

Sunday, September 24, 2006

Member's Preview Sale
9 am to 10 amPublic Sale
10 am to 2 pm

We will continue to feature a dramatically increased selection of California natives, including, *Styrax officinalis* var. *californicus*, *Rhus integrifolia*, *Calycanthus occidentalis* and the choice *Woodwardia fimbriata*. Beyond California the sale will feature hard-to-find orange-flowered *Passiflora parritae* and a spectacular assortment of our newly introduced *Lapageria rosea* cultivars

(Chilean bellflowers), including: 'Collinge', 'Nahuelbuta' and 'Cobquecura'. We will also feature numerous choice cacti and succulents from the Garden's collections, including *Aloe polyphylla*, *Agave desmettiana*, *Agave polianthiflora* and an expanded offering of larger cacti and succulents, including large scale *Puya berteroniana* and *Beschorneria albiflora*.

We will also offer an incredible selection of potted bulbs, including *Scilla natalensis*, *Stenomesson* (in several colors) and some California natives. You can also select from rare trees and shrubs from the Garden's collections including *Euryops virgineus*, *Quercus rugosa*, *Prumnopitys* and *Monnina xalapensis*.

This year's sale will feature an increased selection of perennials, including extensive selections from the Garden's Mediterranean, Central and South American and Australasian collections. We will offer unusual Canary Islands plants: *Lavandula canariensis*, *Isoplexis canariensis* and *Sideritis dasygnaphala*. For the adventurous we will offer several magnificent species of *Beschorneria* (Mexican lily),



Photo by J. Williams



Photo by J. Williams

ABOVE: *Spiral aloe*, *Aloe polyphylla*.
LEFT: *The spectacular spikes of Puya berteroniana in the South American collection.*

including *Beschorneria rigida*, recently featured in *Pacific Horticulture* magazine. For those who love houseplants, a wide selection of Hoya and Begonia is just the beginning. You can also select from several unusual restios, grasses, and rushes, including *Leptocarpus similis*, *Ampelodesmus mauritanicus* and *Luzula sylvatica* var. *marginata*, respectively.

We will continue to offer a wide range of carnivorous plants, salvias, and an expanding range of hardy ferns.

There will also be a Silent Auction of rare plants during the Members Preview from 9–10 am. We will have a choice group of rare and unusual plants for the Silent Auction (see the most complete Silent Auction offerings on our web site the week before the sale). Memberships will be available at the door.

For a more complete list of plants to be offered at the sale, see the Garden's web site <http://botanicalgarden.berkeley.edu> on September 1, 2006.

EDUCATION

Docents Adopt *Math in the Garden*

Despite thunder and intermittent showers, local school children donned bright yellow garden ponchos and “math eyes” to explore patterns and geometry in plant communities from around the world during our rainiest March on record. The Docent Tour Committee developed this new program by adapting activities from our newly published book *Math in the Garden*, funded by the National Science Foundation. Twenty docents assisted in the pilot test, evaluation, revision, and training to create a program that supports the mathematics standards for K-5 children. Several of these introductory activities can be conducted on a one-hour tour as small groups of children explore and observe the outdoor environment:

Everything Counts in the Garden: Students participate in a sampling system as they tally the number of interesting things they find and plot the numbers on a giant number line.

Leaf Attributes: Students tally and compare the attributes of leaves and discuss how the attributes enable plants to survive difficult environmental conditions.

Shapes in the Garden: Students find many plant structures that closely approximate the following shapes: oval, circle, triangle, rectangle, rhombus, pentagon, hexagon, and dodecagon.

Angle Search: Students identify acute, obtuse, and right angles using calipers and protractors.

Symmetry—Find that Line: Students identify leaves that are asymmetrical and ones with line symmetry. If flowers are available, they observe rotational symmetry.

Self-Similarity: In nature we sometimes find that a small part of an object resembles the whole; this property is called self-similarity. Students identify self-similarity in plants and the environment.

Spirals in Plants: Students identify elongated and compact spirals in plants.

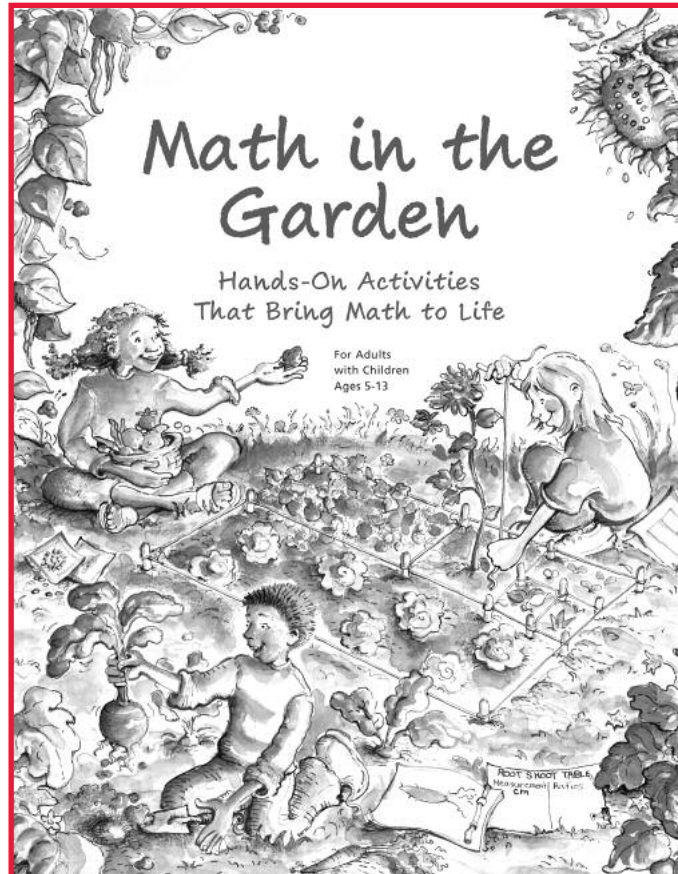
Hand Spans: Students use their hands and rulers to estimate and measure the length of objects.

Math in the Garden offers dozens of hands-on activities that hone math skills and promote inquiry, language arts, and good nutrition. All were extensively trial-tested by formal and informal educators nationwide; the curriculum met with enthusiasm and positive feedback from all involved, from teachers and students to school administrators. Docents have found that these activities are a dynamic way to feature interesting attributes of our plant collection. The Tour Committee is now working on a version for middle school students.

—Katherine Barrett

TESTING

The *Math in the Garden* program was trial tested and the curriculum met with enthusiasm and positive feedback from all.



Cultivate enthusiasm for the UC Botanical Garden...

Volunteer!

Exciting volunteer opportunities are available at The Garden. Join us if you like meeting people and sharing your knowledge and enthusiasm with others.



Volunteer Propagator Carlos Rendon, raising vines for plant sales.

Volunteer opportunities include . . .

The Garden Shop...buy, stock and sell gift items, books, and plants in the Garden Shop and Plant Sales Deck. Chat with visitors and share information about the Garden and plants.

Docents...lead tours for school children and adults, create and staff educational events, design and present programs in school classrooms.

Propagators...propagate and grow plants sold at the Garden Shop and two annual plant sales.

Horticulture...assist Horticultural staff with Garden maintenance, such as weeding, raking and digging.

Special Events...be ambassadors for the Garden at local community fairs. Assist at Garden programs and events.

Curation...make plant labels, clean seeds, help collect and prepare specimens for research and herbarium, collect data on Garden plants..

For more information or to sign up, call Perry Hall at 510-643-1924.

DOCENT TRAINING 2006/07

Join the community of dedicated volunteer docents at the UC Botanical Garden. Learn about our world-class garden and its magnificent collection of plants from around the world. Our docents create memorable and exciting learning experiences for small groups of school children, university students and the general public.

Our next 20-week docent-training program begins September 11 and will meet Monday afternoons from 1:00–4:00 pm. Training is provided by the Garden's expert horticultural staff and by plant specialists from UC Berkeley and the community. There will be opportunities for trainees to shadow tours led by current docents, and to practice giving their own tours.

For more information and to apply, call the Garden Kiosk at 510-643-2755.

\$180, \$150 for members.

GARDEN NOTES

NEW STAFF

The Garden welcomes **Meghan Ray** as Horticulturist for the Southern African and Arid House collections. Some of Meghan's favorite memories growing up are of visiting the New York Botanical Garden (NYBG). While she can't now condone all of her activities (climbing trees and ice skating on the wet meadow, to name a few), she believes it was her experiences there that led to her later interest in botany and gardening. She attended the NYBG School of Professional Horticulture and began work at the Brooklyn Botanic Garden in 1994, where she was most recently in charge of the Rock Garden. The Southern African and Arid House collections allow her to combine two of her strongest botanical interests. She looks forward to the challenge of contributing to Garden and of getting to know the Bay Area.

We also welcome **Ken Bates**, Horticulturist for the California Area (assisting Horticulturist Nathan Smith) as well as the Garden's Tanglewood Estate in Sausalito. A plant enthusiast from the midwest with a special interest in California natives, Ken looks forward to learning a great deal while working in both collections. He has an active interest



Photo by H. Forbes

New horticulturist Ken Bates.

in exotic species as they relate to our native flora. He recently completed his third contract weeding position at the San Francisco Presidio, where he continues to volunteer with habitat restoration activities. He



Photo by J. Williams

New horticulturist Meghan Ray.

hails from Ohio, where he attended Kent State University, followed by wonderful internship experiences in Ohio, Nevada, New Mexico and Virginia.

The departure of Volunteer Coordinator **Candice Schott** for a job with the city of Berkeley started a series of staff changes. Staff member **Perry Hall**, most recently Tour & Program Coordinator, has been hired to be the Garden's Volunteer Coordinator.

We welcome **Deepa Natarajan** as our new Tour & Program Coordinator. She is a recent graduate of Boston University, where she received her B.A. in Biological Anthropology. Her interest in medical ethnobotany led to her undergraduate field work on indigenous medicines, plants, and local healers of Eritrea

and India. In Eritrea she studied with local healers and noted the influence of allopathic medicine on indigenous practices as well as the war's impact on the environment. She also worked with an organization in India called Jagran Jan Vikas Samiti and did extensive traveling around the state of



Photo by H. Forbes

New Tour & Program Coordinator Deepa Natarajan.

Rajasthan to interview traditional healers and identify the various plant species from the rich and diverse environment.

NATIONAL MEETING: The American Public Gardens Association The American Public Gardens Association (formerly the American Association of Botanical Gardens) held its annual meeting in San Francisco June 28 – July 1, hosted in part by the Garden. Nearly 450 conference participants visited the Garden on the morning of June 30th for one of

(continued on page 11)

DONATIONS TO THE GARDEN

June 2005 through May 2006

\$5000

Mrs. Janet M. Cronk &
Mr. William F. Cronk
Mrs. Marion E. Greene
Ms. Mary Ann Sears
Mrs. Jane H. Weller &
Mr. Nelson S. Weller

\$1001 - \$4999

Mrs. Kathy Boardman &
Mr. Danvers Boardman III
Dr. Klaus Dehlinger
Dr. and Mrs. Elmer Grossman
Mrs. Gene Hassan

\$1000

Dr. Beth Burnside
California Assoc. of Nurseries &
Garden Centers
Ms. Patricia Cross
Mrs. Gladys Eaton
Mrs. LaVerne Leach &
Mr. Douglas Leach
Dr. and Mrs. Paul Licht

\$500

Robert & Alice Bridges Foundation
Ms. Lisa Carlin
Ms. Linda Kanat & Mr. Terry Kanat
Mr. Bill McJohn
Mr. Don Olson
Ms. Anne Packer & Prof. Lester Packer
Ms. Ellen M. Rosenau
Mrs. Marie A. Stephens &
Mr. Frank Stephens
Mr. Pablo Valenzuela &
Ms. Bernardita Mendez
Mrs. Myrtle R. Wolf

\$101 - \$499

Dr. and Mrs. Arthur Ablin
Mrs. Willy D.H. Adam &
Mr. Charles S. Adam
Mr. and Mrs. Jeffrey Allen
Mr. and Mrs. Alan Appleford
Ms. Jennifer Ayer & Mr. Bill Ayer
Mr. Neil W. Beach
Mrs. Wendy S. Bergman &
Mr. Robert G. Bergman
Berkeley Garden Club
Ms. Emily L. Blanck &
Mr. Daniel G. Weiss
Mr. and Mrs. Parke Boneysteel
Ms. Marion Brenner &
Mr. Robert Shimshak
Mrs. Carroll Brentano
Ms. Diane Brett & Mr. Stephen Brett

Mr. Stephen M Brickley
Ms. Lorna L. Byrne
Mr. Harry Citron
Mr. Robert E. Connick
Mr. and Mrs. Robert Coombs
Judge and Mrs. John Cooper
Ms. Margaret J. Copeland
Mr. and Mrs. Norman Correia
Ms. Mary Lynn Cox
Ms. Elizabeth Crane
Ms. Eleanor R. Crary
Mr. Ed Dankworth
Dr. Todd Dawson
Ms. Topher Delaney
Dr. and Mrs. Charles Desoer
Mr. and Mrs. Earl Dolven
El Cerrito Garden Club
Mrs. Meredith N. Endsley &
Mr. Harry B. Endsley
Ms. Claire Englander
Mr. Gabriel Escobar &
Ms. Regina McGrath
Eucalyptus Associates
Ms. Lorraine Force
Ms. Betsy Foster
Ms. Beverlee A. French
Dr. Helen Frevel &
Dr. Adnan Sharkiah
The Gardener
Ms. Luanne E. Gilbert
Mr. George F. Goerl
Mrs. Barbara Goldenberg
Mrs. Marilyn K. Goldhaber &
Mr. Amos N. Goldhaber
Ms. Linda Ann Govan &
Mr. Greg Govan
Mr. and Mrs. Norman Graham
Mrs. Susan Grau & Mr. Fritz Grau
Mr. Robert Green
Ms. Patricia S. Greene
Mr. and Mrs. Thomas Griswold
Ms. Joan B. Grosser
Guerrero Street Gardens
Mr. and Mrs. Noble Hamilton
Mr. and Mrs. Earl Hamlin
Mr. Harold J. Hanham
Happy Valley Garden Club
Mr. Charles Harrington
Mrs. Pat Haynes &
Mr. Duncan Haynes
Mrs. Elizabeth L. Helmholz
Mr. and Mrs. Robert Herr
Dr. and Mrs. Robert Hicks
Mr. Stephen Hischier &
Ms. Barbara Hischier
Mr. and Mrs. Curtis Hoffman
Mrs. Karen S. Holtermann &

Mr. Robert A. Holtermann
Mr. Roy Hoyer & Mr. Roger Hoyer
Ms. Justine Hume & Ms. Ursula Schulz
Mrs. Patti Itano & Mr. Glenn Itano
Mr. Peyton Jacob III
Ms. M. Anne Jennings &
Ms. Sharon Duggan
Ms. Lucy A. John
Ms. Helen Joan Johnson
Mr. and Mrs. Leo Kanowitz
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Ms. Anne Katten
Mrs. Marilyn Kea & Mr. Jerry Kea
Ms. Peggy Klenz
Mr. and Mrs. Lincoln Koch
Ms. Marie L. Kubin Ph.D.
Ms. Sarah Kupferburg
Mrs. Vivien H. Larson &
Mr. Paul R. Larson
Ms. Demi B Lathrop &
Mr. Tom Lathrop
Dr. and Mrs. Robert Lichtenstein
Ms. Linda Locatelli
Dr. Mary Loomis
Ms. Sharyn Loshakoff
Ms. Paula Lowery
Ms. Merideth H. Marschak
Ms. Toni Martin &
Mr. Michael Darby M.D.
Mr. Warwick May
Mrs. Judith H. McKee &
Mr. W. Stuart McKee
Mrs. Emily C. McKibben &
Mr. J. Brian McKibben
Ms. Nancy J. McLaughlin
Ms. Elizabeth Hogg Medwadowski
Ms. Marian Merrill
Montelindo Garden Club
Mr. and Mrs. Everett Moore
Mr. Stephen Moore
Mrs. Gloria X. Morrison &
Mr. Glenn A. Morrison
Mrs. Margaret Moulton &
Mr. Kirby Moulton
Mrs. Jean M. Mudge &
Mr. Lewis S. Mudge
John Nicol & Associates
Ms. Beatrice R. O'Keefe
Ms. Kathrina Ostrander &
Mr. Isaiah Roter
Dr. and Mrs. Roderic Park
Mrs. Hildegard S. Paxson
Ms. Sylvia Perez
Mrs. Audrey C. Phelps &
Dr. David W. Phelps
Mr. and Mrs. Gary Pokorny
Mr. Alan Porter & Mr. Paul Hoge

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Mrs. Linda J. Reiff &
Mr. Richard A. Ward
Mrs. Ann S. Reynolds &
Mr. Jon Q. Reynolds
Dr. Donald A. Riley &
Ms. Carolyn Serrao
Mrs. Anna Roberts
Ms. Susan E. Rogers
Dr. and Mrs. Mark Rosenzweig
Ms. Edith W. Rubesin &
Mr. Morris W. Rubesin
Ms. Emily G. Rued
Ms. Louise A. Russell
Mr. and Mrs. Leon Schiller
Mrs. Mary F. Schroter &
Mr. Richard C. Schroter
Ms. Deborah Sharpe
Mr. and Mrs. Jack Shen
Mr. Daniel L. Silva
Ms. Peggy Smukler &
Mr. Charles Smukler
Mr. and Mrs. John Sproul
Dr. Douglas Spurr M.D.
Mr. Alan L. Stanley
Mrs. Jean M. Steidel
Mr. Terry Stein &
Mr. Chris Carmichael
Mrs. Sara Stenger & Mr. Larry Stenger
Ms. Barbara H. Stevens
Mr. and Mrs. George Strauss
Ms. Laura Sueoka &
Mr. Alan R. Hyden
Mr. and Mrs. Peter Summers
Ms. Tomiye Sumner
Mrs. Marie C. Sutcliffe
Mrs. Kuwako Takahashi
Mr. Ted Tawshunsky
Mrs. Susan H. Troy &
Mr. George F. Troy
Mr. John M. Tucker
Mr. Richard G. Turner Jr.
Vintage BMW House
Mr. Steven Walden
Ms. Joyce Walton
Mrs. Regina B. Ward &
Mr. Robert F. Ward
Dr. and Mrs. William Weeden
Dr. Jennifer M. White &
Dr. Marshall White
Ms. Janet S. Williams &
Mr. Mark R. Wilson
Mrs. Ann Witter
Mr. Thomas (Rex) Wolf
Mr. and Mrs. Lawrence Woolsey

DONATIONS *(continued from page 9)*

In support of The New Garden Entrance

\$5000 – \$15,000

Anonymous
Mrs. Candy & Mr. Howard Friesen
Mrs. Janet & Mr. Norman Pease

In support of Garden Party 2005

Ms. Mary Tatmon
Mrs. Patricia Winkelmann &
Mr. Frederick C. Winkelmann

In support of student employment at the Garden

Hillside Gardeners of Montclair

Garden Irrigation Study

Dr. David R. Holbrooke

In-Kind Gifts

Garden Party 2005

A. Silvestri Co.
Ansellia
AW Pottery
Beauregard's California Bistro
Berkeley Repertory Theatre
Bittersweet
Bonterra Vineyards
Bosphorus Anatolian Cuisine & Bakery
Bubi's Catering
Cal Athletics Football
Cheese n' Stuff
Doubletree Hotel
Fresh Picked Band
Hida Tool
La Note Restaurant
Maison d'Entre
Mr. Jerry Parsons & Mr. Robert Hale
Ms. Bonnie MacKenzie &
Mr. Art Tressler
Ms. Carla M. Dole
Ms. Carol Foster
Ms. Ina Spinka
Ms. Joyce Brahms
Ms. Martha Griswold &
Dr. Laurence Elias
Ms. Nancy C. Swearingen &
Mr. Tom V. Swearingen
Ms. Sally Petru
Rasselas Jazz Club
Ritchie Creek Vineyard
Rosenblum Cellars
Skates by the Bay
Talavera Ceramics
The Bake Shop
The Dry Garden

The Gardener
The Glenn Custom Framing
The Urban Farmer
The Warkentin Sisters
Trumpetvine Catering
Volker Eisele Vineyard
White Magnolia Tai Chi School
Whitford Cellars
Yali's Oxford Street Café

Plant Sales

Annie's Annuals
Hortica Urban Nursery David Gray
Monterey Bay Nursery, Inc.
Noah's Bagels on Solano Ave.
Suncrest Nurseries, Inc.

The New Garden Entrance

AW Pottery
American Soil Products
The Dry Garden
Pacific Home and Garden Inc.

General In-Kind

Mrs. Elly Bade & Mr. Bill Bade
Mr. Stephen Bartholomew
Ms. Helene M. Conant
Ms. Topher Delaney
Ms. Penny DeWind &
Mr. Donald Kyle
Dr. Jack Dolhinow &
Dr. Phyllis Dolhinow
The Dry Garden
Mr. and Mrs. Richard Emory
Fordyce Orchids
Monterey Market
Hortica
Mrs. Marion E. Greene
Mr. Tom Klatt & Ms. Indra Moen
Mr. Peter Klement
Dr. and Mrs. Paul Licht
Mr. Raymond Lifchez
Mr. David Lomba
Mr. Richard McClure
Mr. Malcolm Pearson &
Ms. Gudrun Finn
Ms. Nina Rabin & Mr. David Marcus
Mr. Roger Raiche &
Mr. David McCrory
Mr. Robert Roberts
Ms. Susanna Salisbury
Ms. Patricia Schneider
Mrs. Mary F. Schroter &
Mr. Richard C. Schroter
Ms. Mary Tanner
Mr. Mike Wade
Mr. Bill Weaver

Tribute Bench Donors

Bench dedicated to Doris Cohen (Asia)
Ms. Abby J. Cohen
Bench dedicated to Danielle Kormos (Mediterranean)
Mrs. Esther R. Alder &
Mr. Berni J. Alder
Mr. Jurgen Aust
Ms. Joanna Bankier
Mr. Raymonde Carroll
Mr. Adam M. Fiore & Ms. Su-Jae Chee
Mrs. Marie Christine Flocard &
Mr. Hubert C. Flocard
Dr. Hans Horsting
Ms. Janice M. Johnson
Mr. Harry R. Kormos
Ms. Elisabeth Koss Ph.D.
Ms. Claudia J. LeGue
Ms. Andree McGiffin
Mrs. Annie H. Nalezny &
Mr. Bruce Nalezny
Ms. Sylvie V. Nalezny
Mr. Marcantonio Parisi
Ms. Vesna Rodic
Ms. Elisabeth M. Sadoulet
Mrs. Sara V. Shack &
Mr. Evan T. Shack
Ms. Françoise Sorgen &
Mr. Olivier Goldschmidt
Mr. Holden Stein
Ms. Michelle Vignes
DPK Consulting

Bench dedicated to the Licht Family (Entrance)

Dr. and Mrs. Paul Licht

Bench dedicated to Lilo Rosenmeyer (Crops of the World)

Dr. Thomas Rosenmeyer

Gifts in Honor or Memory

In memory of Lenore Albavera
Mrs. Mary Louise Peterson & Mr. Donald J. Peterson

In memory of Fran Bunch
Ms. Gayle Roberts

In memory of Niki Caldis
In support of The Orchid, Fern, and Carnivorous Plant Exhibit

Mr. Jay Caldis
Mr. and Mrs. Ronald Polivka

In memory of Jean Carmichael
Ms. Yasmin Richmond &
Ms. Ruth B. Hoppe, M.D.
Ms. Sylvia Perez

Mrs. Michele A. Procopio &
Mr. William Procopio
Mr. Terry Stein &
Mr. Chris Carmichael

In memory of Joey Pierpont Clark
In support of Myrtle Wolf Library at the UC Botanical Garden
Mrs. Elly Bade & Mr. Bill Bade

In memory of Estella and Vincent Clemens
Prof. and Mrs. William Clemens

In memory of David Coronado
Ms. Martha O. Coronado &
Mr. Robert Coronado

In memory of Peter Dunn
Ms. Donna H. Preece

In memory of Ada Zerbe Graham
Mr. George D. Bhalzhak & Ms. Barbara Zerbe Macnab

In honor of Ms. Jean Hammer
Mr. and Mrs. Ronald Richards

In honor of Dr. and Mrs. Jack Lewis' 50th Wedding Anniversary
Ms. Gloria H. Goldberg &
Mr. Harry Pollard

In honor of Barbara and Paul Licht
Ms. Ann M. Miller &
Mr. Charles S. Raben

In honor of Dr. Paul Licht
Mr. and Mrs. Robert Beim

In memory of Robert Marshall Macnab
Mr. George D. Bhalzhak &
Ms. Barbara Zerbe Macnab

In memory of Milton W. Morrison
Ms. Rosemary T. Bock
Mrs. Caroline Booth &
Mr. Corwin Booth

Mr. and Mrs. Charles Gonser
Ms. Jean M. Nelson
Ms. Marilyn Schumacher
Ms. Martha Shin
Mr. and Mrs. Davis Todhunter
Mr. Robert A. Wertsch

In honor of Mr. Jerry Parsons
In support of the New Garden Entrance
Dr. and Mrs. William Donald

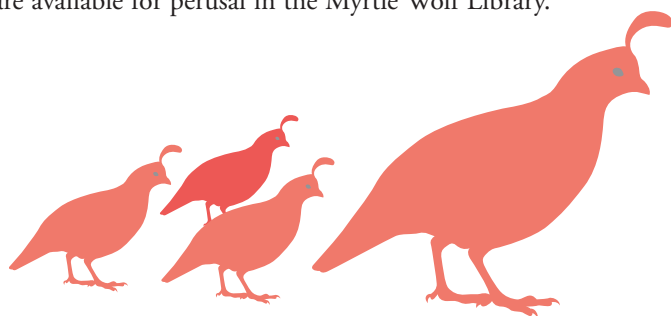
In honor of Ms. Suzanne Porter
Highlanders Garden Club

GARDEN NOTES *(continued from page 8)*

their in-conference tours. They quickly scattered to every corner of the collection, with oohs and aahs audible everywhere, like so many children in a candy shop. We were gratified by their responses and compliments on collection content, aesthetic display, and labeling. We couldn't help but agree, as the Garden positively sparkled that morning under the attention of Garden staff and volunteers..

GARDEN IN THE NEWS: The Garden hosted a press conference on June 7th to celebrate our success in growing the re-discovered Mt. Diablo buckwheat (*Eriogonum truncatum*) to flowering stage. Staff from Save Mt. Diablo, California State Parks, and the Jepson Herbarium were also on hand to answer questions from multiple newspapers and tv news stations. We're hoping for a successful seed set and future introduction efforts to secure the long term future of this species.

Pacific Horticulture magazine featured three articles about the Garden in early 2006. The first, in Vol. 67, No. 1, is article by Nathan Smith, titled "A New Entrance to the UC Botanical Garden: An Explosion of Arid Exotica." Then in Vol. 67, No. 2, are two articles: "Pacific Plant Promotions: *Beschorneria rigida*" by Alan Porter, and "The History of *Lapageria rosea* at the University of California Botanical Garden" by Chris Carmichael and Carlos Rendon. These issues are available for perusal in the Myrtle Wolf Library.



WILDLIFE IN THE GARDEN continues to excite and impress visitors. At least one gray fox family has made the Garden its home this spring. Numerous baby California quail were being herded around the Garden in July by their seemingly anxious parents. The Garden was unfortunately also the scene for introduced wildlife sightings, including a red fox and a turkey. There is a colony of turkeys in north Berkeley, often seen at the foot of Centennial Drive, and we are hopeful they won't decide to include the Garden in their foraging pattern.

GARDEN STAFF

Dr. Paul Licht, *Director*

ADMINISTRATION

Perry Hall, *Volunteer Coordinator*

Kathy Kuhlman, *Management Services Officer*

Deepa Natarajan, *Tour & Program Coordinator*

Afroz Navid, *Administrative Assistant*

Margaret Richardson, *Rental Coordinator*

Janet Williams, *Marketing & Development Officer*

COLLECTIONS & HORTICULTURE

Dr. Christopher Carmichael,

Associate Director of Collections and Horticulture

Holly Forbes, *Curator*

Barbara Keller, *Curatorial Assistant*

Anthony Garza,

Supervisor of Horticulture and Grounds

Ken Bates, *Horticulturist*

Colin Baxter, *Horticulturist*

John Domzalski, *Propagator*

Judith Finn, *Horticulturist*

Peter Klement, *Horticulturist*

Jerry Parsons, *Horticulturist*

Dr. Robert Raabe, *Garden Pathologist*

Meghan Ray, *Horticulturist*

Eric Schulz, *Horticulturist*

Elaine Sedlack, *Horticulturist*

Nathan Smith, *Horticulturist*

Gerald Ford, *Building and Grounds Maintenance*

Alan Porter,

Volunteer Propagation Program Coordinator

EDUCATION

Kathy Barrett,

Associate Director for Education & Programs

Elizabeth Baker, *Lesson Study Specialist*

Lauri Twitchell, *School Garden Specialist*

Christine Manoux, *Program Assistant*

FACULTY ADVISORY COMMITTEE

Dr. Lewis Feldman, Chair, *Plant Biology*

Dr. Bruce Baldwin, *Integrative Biology*

Dr. W. Zacheus Cande, *Molecular and Cell Biology*

Dr. Todd Dawson, *Integrative Biology*

Dr. Mary Firestone, *Environmental Science,*

Policy, & Management

Dr. Alan R. Smith, *Herbarium*

Dr. John Taylor, *Plant and Microbial Biology*

NEWSLETTER

Holly Forbes, *Editor*

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Director's Office	643-8999
Education	495-2805
The Garden Shop	642-3343
Information	643-2755
Membership	642-0849
Plant Collections	643-8040
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CALENDAR OF EVENTS

SICK PLANT CLINIC

First Saturday of every month, 9 am to 12 pm

Free. No reservations required.

DOCENT TRAINING 2006/07

Monday, September 11, 2006 to Monday, February 13, 2006

1:00 pm to 4:00 pm

See Newsletter page 7

INCORPORATING CARNIVOROUS PLANTS INTO THE GARDEN

Sunday, September 17, 2006, 10:00 am to 12:00 pm

Learn about temperate climate carnivorous plants that you can easily incorporate in your own home garden with Stephen Davis, President of the Bay Area Carnivorous Plant Society and Judith Finn, Horticulturist and expert on carnivorous plants.

\$35, \$25 members

FALL PLANT SALE 2006

Sunday, September 24, 2006, 9:00 am – 2:00 pm

Members Sale: 9 - 10 am; Public Sale: 10 am – 2 pm

See Newsletter page 5

FOODS OF THE AMERICAS

Friday, October 6 to Thursday, October 26, 2006, 9:00 am to 5:00 pm

Explore our marketplace filled with produce domesticated by native American farmers, including varieties of colorful corn, tomatoes, peppers, chocolate, amaranth, quinoa and oca.

Free with Garden admission.

A KID'S SOUTH AMERICAN MARKETPLACE

Sunday, October 8, 2006, 1:00 pm – 3:00 pm

Children ages five and over, together with their accompanying parent/guardian, will discover the diversity of nutritious foods that originated in the Americas, see them growing as crops in our Garden, tour the "marketplace," and make and munch authentic snacks and drinks. Make your own planting to take home.

Price includes one parent and one child. Additional adult or children per family are \$7 each. \$18, \$14 members

MAYAN AND AZTEC MEDICINAL PLANTS TOUR

Sunday, October 15, 2006, 11:00 am - 12:00 pm

Explore the Garden's collection of Mayan and Aztec medicinal plants in the renowned Mexican/Central American Area with area Horticulturist Eric Schulz. See plants such as mal hombre, the monkey hand tree, and tree dahlias, and learn which ailments they were used to cure.

\$12, \$8 members

FALL BIRD WALK

Saturday, October 21, 2006, 9:00 am - 10:30 am

Observe resident, migrant, and vagrant birds in the Garden's several bird-friendly micro-habitats with Dennis Wolff, expert birder and Chris Carmichael, Associate Director of Collections and Horticulture.

\$12, \$8 members

CHILDRENS' CARNIVOROUS PLANT BOG GARDEN WORKSHOP

Sunday, October 29, 2006, 1:00 pm - 2:00 pm

Children of all ages, together with their accompanying parent/guardian, will discover insect-eating carnivorous plants, where and how they grow, and create a potted carnivorous plant bog garden of their own.

\$15, \$12 members for one adult and one child, \$5 each additional child or adult per family.

AUTUMN IN ASIA

Sunday, November 5, 2006, 10:00 am - 12:00 pm

Experience the vivid colors of fall on a guided tour of the Asian Area with Horticulturist and Asian plant expert Elaine Sedlack. Highlights include fall color showcased by the expanding maple collection and in a wide variety of other plants.

\$12, \$8 members

ORCHID IDENTIFICATION & CULTURE

Sunday, November 12, 2006, 9:00 am - 12:00 pm

Garden horticulturist and orchid expert Jerry Parsons will demonstrate how to re-pot and divide your orchids. Divisions of rare and unusual orchid species from the Garden collection will be available for purchase. Behind-the-scenes tour of the Garden's orchid collection is included.

\$50, \$40 members

Call 510-643-2755 for more information or to register. Reservations are required for all programs and events, except the Sick Plant Clinic and Plant Sales. Parking is available in the UC lot across Centennial from the Garden Entrance. 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 prior to the program are non-refundable. Program fees will be refunded if the Garden cancels the program.

GARDEN HOURS: The Garden is open from 9 am – 5 pm year round. Closed first Tuesday of each month.
The Garden Shop is open 10:30 am to 4:30 pm daily.

University of California Botanical Garden
200 Centennial Drive, #5045
Berkeley, California 94720-5045

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