



UNIVERSITY of CALIFORNIA  
**BOTANICAL  
GARDEN**  
NEWSLETTER

Vol. 31, Numbers 1 & 2

Published by the UNIVERSITY OF CALIFORNIA BOTANICAL GARDEN at Berkeley

Winter/Spring 2006

## *New Entrance in Place!*

**T**he University of California Botanical Garden was established in Berkeley in 1890 and for much of its first 30 years was represented by a stately glass conservatory in the style now seen in the Conservatory of Flowers in Golden Gate Park. This structure, located on the central campus, gradually deteriorated and was abandoned in the 1920's when the collection moved to its current site in

Strawberry Canyon. The collection, which is now one of the oldest gardens in the country, also grew to be one of the most species diverse collections in the country; it is not unreasonable to describe it as venerable.

Unfortunately, the grandeur of the conservatory was not translated to the "face" of the new location. It has long been recognized that the external appearance, especially the front entrance, of the Garden did not do justice to its quality and significance, and over the past several decades, repeated attempts have been made to address this situation. Visitors had to overcome first impressions when they entered through a rusty chain-link fence into the old sloped asphalt parking lot. Unfortunately, for a variety of reasons, previous attempts failed to build a proper entrance befitting the Garden.



Photo by J. Williams

*The entrance gate is flanked by concrete columns with exposed aggregate for visual interest. Vehicles enter through a separate gate to the right of this image.*

When I arrived as Director in the summer of 2003, I knew that something had to be done about the entrance if we were to move forward and be accepted as the premiere garden that I knew we represented. By now you are hopefully aware of the results; however, I think it is worth reflecting on the process both as a historical documentation of the event as well as to seek

lessons for future efforts to undertake such projects. To begin, it was necessary to analyze some of the obstacles that subverted previous efforts. Briefly, I recognized these to be primarily the lack of control over budget combined with proposals that triggered campus regulatory roadblocks. As a result, preliminary plans exceeded funding.

The new plan began by first setting a relatively modest target for fund raising and the budget was established accordingly. The fact that everyone I spoke with agreed on the need, indeed urgency, to address the entrance was encouraging, and the campaign was launched by the end of 2003 under the direction of Janet Williams, our Marketing and Development Officer. With the overwhelming support of the

*(continued on page 2)*

## NEW ENTRANCE *(continued from page 1)*

many community members who cared, resulting in almost 250 private gifts and significant gifts-in-kind, we entered into a detailed planning process within a year. The goal was to design and build something within the existing realistic budget. Working closely with campus, we engaged an architect, Reed Dillingham and Associates, and involved campus offices in all steps of planning in order to avoid unexpected regulatory obstacles. By February 2005, the long awaited ground breaking actually commenced.

The assigned campus project manager, Kate Bolton a talented landscape designer, then worked closely with us on the selection of a contractor, Sposeto Engineering, and on dealing with further details throughout the construction phase. It proved valuable to stay intimately involved in all stages of construction as it proceeded; because of the aging facility and lack of detail on what existed below the ground, unforeseen

RIGHT: *Large boulder in the lower plaza is a valuable focal area.* BELOW: *First week of construction, February 2005.*



Photos by J. Williams

problems were unavoidable, and adjustments became commonplace. For example, unanticipated utilities—gas and electrical—were frequently located during excavation, and excessive ground water required major modifications to facilitate drainage.

### Process and components

The process comprised two major components: the hardscape and planting. The hardscape consisted of the entrance portal, the internal plaza and finally, the rockwork that supported the planting. The portal was defined by a pair of imposing columns topped with a hand crafted redwood trellis that formed a distinctive visitor entrance while an electric gate and driveway was designed for vehicular traffic, the first time that these two disparate functions were separated. The electric vehicle gate is noteworthy from both a safety and functional standpoint: for the first time, vehicular move-

ment can be controlled remotely, without having to manually open and close large gates.

The goal of the design was to have a distinctive entrance that would make a bold statement while fitting into the general motif of the natural canyon. This new entrance portal was positioned further back from the roadway to create room for vehicular pull-off as well as a space in which to congregate in front of the Garden. The gate was flanked by a wooden fence that incorporated a façade to conceal the old kiosk and visitor window; we learned that any major change to the kiosk itself would trigger serious issues regarding the use of temporary buildings, in addition to escalating costs. A new, larger, visitor window improved access to the kiosk and the inner side of the building was remodeled to include a proper roof and dormer windows.

The internal plaza was designed to be welcoming and

functional. The goal was to have visitors enter immediately into a spectacular garden setting. It was also important to assure accessibility to all, including those with mobility restrictions; the old entrance was badly sloped and irregular. By combining regular concrete with pervious concrete, we produced two durable but decorative levels connected by a large staircase in addition to ramp access to the Garden. The pervious concrete, a gift of the Northern California Concrete Alliance, also adds a new dimension of functionality in facilitating water removal during watering or rain—water instantly percolates through the surface. A large boulder embedded in the lower plaza—donated by American Soil Products—has already proven a valuable spot for children to play or adults to sit, or even to pontificate.

**Planting**

There is no question but that the planting of the entrance was the most important element for its success. For full details on this process, I recommend the recent article by

Nathan Smith in *Pacific Horticulture* (January/February, March 2006). This phase began with a major amendment of the soil—our endearing clay mixed with asphalt was replaced with up to 18 inches of a prepared planting mix—and the placement of rockwork. American Soil Products made much



Photo by P. Sutedki



Photo by R. Dillingham

*Installation of a hundred-year-old European fan palm (Chamaerops humilis) proved a major undertaking.*



Photo by P. Sutedki

ABOVE: Staff design team led by (L. to R.) Jerry Parsons, Anthony Garza, Erich Schulz, Nathan Smith, and Colin Baxter (missing from photo). LEFT: Robert Riddell, past chair of Friends of the Garden, cuts the ribbon opening the entrance.

of this possible with their gifts of materials. A staff design team led by Jerry Parsons with Colin Baxter, Anthony Garza, Nathan Smith, and Eric Schulz, assisted by several students, was responsible for both this hardscape as well as the design and implementation of planting.

Our staff were the obvious choice to design the entrance plantings. After all, they created a major award winning design display at the 2000 San Francisco Flower and Garden Show.

The planting theme followed in the spirit of our San Francisco exhibit and from our strong focus on water conservation. Many of the very large pots from the exhibit along with several others donated by AW Pottery and Pacific Home and Garden, Inc., were used to feature specimen plants. The resulting theme “Arid Exotica” even used some of the signature plants of that exhibit, starting with the hundred-year old European fan palm (*Chamaerops humilis*). Moving and fitting this large plant into place, with an

*(continued on next page)*

## NEW ENTRANCE *(continued from page 3)*



Photo by P. Sulecki

*September 2005 dedication ceremony*

estimated weight of 5.5 tons, proved a major undertaking. To complete the waterwise goal, we installed a state of the art irrigation system, with a controller based on evapo-transpiration principles, donated by ET Water Systems. It is designed to utilize meteorological conditions, including wind, sun, temperature, and humidity (these data are available on our website under “visitor information”), combined with information on soil type and slope to maintain the desired level of soil moisture. The planting beds were then covered with a mulch of gold granite, donated by Granite Construction Co., Ltd of Watsonville, to improve appearance and reduce moisture loss.

### **Dedication**

The construction and planting were completed in large part by early summer 2005, and a dedication ceremony in September commemorated the event.

We were fortunate to have a warm sunny afternoon and much good cheer. Commemorative coffee mugs mark the event. It was particularly fitting that Robert Riddell, a past chair of the Friends of the Garden, cut the ribbon since he had devoted considerable energy toward one of the first major attempts to address the entrance issue.

### **Future**

The new Entrance has now become the springboard and focal point for another set of initiatives to expand the Garden experience. For example, the Garden Shop and Plant Deck were spruced up, a new concrete path was installed to the upper restrooms and these restrooms have been renovated to include hot water and new flooring. Most importantly, the entrance provided an impetus for an ambitious program to provide interpretive signage for the Garden. This effort began with the creation of the Arid House exhibit and recently with the construction of a new carnivorous plant and orchid display in the small greenhouse (previously Fern & Carnivorous Plants House) near the entrance. We are in the process of producing extensive new signage to form an “interpretive corridor” as visitors enter, and these will be progressively extended throughout the Garden.

There is no substitute for seeing and experiencing our new Garden entrance in real life!! Please visit often and bring your friends.

## NEW *email* REGISTRY

If you would like to receive e-mail notices of our special plant sales and programs, visit our web-site (<http://botanicalgarden.berkeley.edu>) and add your name to our e-mail registry.

*Mark your calendar for the largest sale ever!*

## Spring Plant Sale

### Member's Sale

Friday, April 28, 2006

5 pm to 7:30 pm

### Public Sale

Saturday, April 29, 2006

9 am to 2 pm

**D**on't miss the Spring Plant Sale, certain to be our largest ever! Mark your calendar!

We will continue to feature a dramatically increased selection of California natives, including the rarely available alumroot (*Heuchera micrantha*), western columbine (*Aquilegia formosa*), golden currant (*Ribes aureum* var. *aureum*), western spicebush (*Calycanthus occidentalis*) and several cultivars of California-fuchsia (*Epilobium californicum*). The sale will include hard-to-find orange-flowered passion vine (*Passiflora parritae*) and a spectacular assortment of flowering Chilean bellflowers (*Lapageria rosea*) including the cultivars White Cloud and Mission Lace. We will offer a 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 such as *Camellia pitardii* var. *yunnanica*, *Cupressus duclouxiana*, *Monnina xalapensis* and the rarely available *Sonchus ortunoi*.

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:

*Canarina canariensis*, *Isoplexis canariensis* and *Sideritis dasy-naphala*. For the adventurous we will offer several magnificent species of *Beschorneria*. For those who love houseplants, a wide selection of *Hoya* and *Begonia* is just the beginning.



Photo by J. Williams

*Isoplexis canariensis*

You can also select from several unusual grasses, grass-like plants (*Luzula sylvatica* var. *marginata*), and restios, including *Restio tetraphyllus*. We will also feature numerous choice cacti and succulents from the Garden's collections, including the succulent *Operculicarya decaryi*, as well as *Adenium somalense* and an expanded offering of larger cacti.

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

The Member's Sale will include refreshments of food and wine; there will also be a Silent Auction of rare plants from 5-6:30 pm. We are putting together a choice group of rare and unusual plants for the Silent Auction that are guaranteed to elicit active bidding. (Memberships

will be available at the door.)

➤ You can find a more complete list of plants to be offered at the sale on the Garden's web site <http://botanicalgarden.berkeley.edu>.



Photos by C. Herndon

*Lapageria rosea* cv. *Collinge*

## DIRECTOR'S COLUMN

I write this in the midst of a rainy season that has brought both problems and delights. To quote a famous bad phrase “It was a dark and stormy night”. The worst problems occurred during the heavy deluge on December 31st when a mudslide above the Garden resulted in the damming of Strawberry Creek where it passes under the main road above the beautiful Japanese pool. The creek jumped its banks and traveled many yards down the road before diverting down the steep slope into the Japanese Pool. The torrential flow that greeted us in the morning was a bit awesome and frightening and several hours of labor by three dedicated staff (Anthony Garza, Judith Finn and Jerry Parsons) were required to clear the creek and restore normal flow. In the interim, a large swath of the hill above the pool was washed out, filling the pool with mud. Major efforts were required to clear and restore it. Unfortunately, we did not have contingency funds for such major events and so had to divert funds from other planned projects.

Fortunately the rainy season also brought a number of delights. With regard to the Garden, the rains and relatively warm winter have encouraged a flush of new growth and blooms, especially striking in the native California Area and in the rhodendrons of the Asian Area. In the last Newsletter I mentioned the new Arid House signage and exhibit, and



### GROWTH

Seasonal storms bring new bloom and an exciting new display is installed with member support.

this has created a timely haven to escape the intermittent downpours. Moreover, the experience gained in producing these materials should serve us well for our goal of expanding the interpretive signage throughout the Garden. In this regard, I am pleased to report awards from the Stanley Smith Horticultural Trust and the Elvenia J. Slosson Endowment Fund that will fund the creation of what we are calling an “interpretive corridor”, starting with the new

entrance. I hope this project will be the beginning of an ongoing process to share more of our secrets with the public.

Another exciting addition to the Garden is our new Carnivorous Plant and Orchid Display. The original carnivorous plant display was built in 1977. After a break-in and loss of some plants in its first year, the doors were replaced with plexiglass, which was soon scratched and uncleanable. This made the old cage 29 years old—a miracle in deferred maintenance. Judith Finn informs me that efforts to replace the old structure have been ongoing for 15 years. The new glass display was



Photo by P. Licht



Photo by J. Williams

LEFT: *The overflowing Strawberry Creek escaped its normal confines and created a new waterfall into the Japanese Pool.* ABOVE: *New interpretive signs, funded by LaVerne (seen here) & Douglas Leach, now lead visitors through the significance of our extensive cactus and succulent collection in the Arid House.*

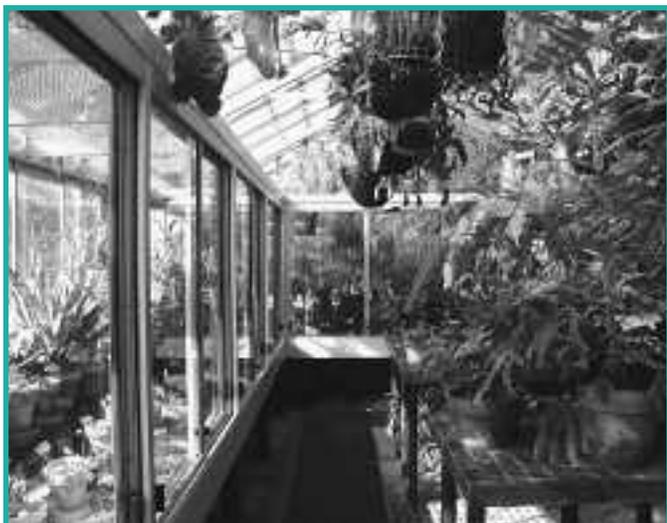


Photo by J. Williams

*The new carnivorous plant and orchid display.*

designed by our own Lead Building Maintenance staff, Gerald Ford, who also worked with our recent appointee in this area, Eric Deschenes, to construct the final product. It is located in the newly named Orchid, Fern and Carnivorous Plant greenhouse near the entrance. Judith Finn and Jerry Parsons are responsible for “planting” the new display case. You may recall that we house one of the most species diverse orchid collections, mostly of wild origin, in the country, but they have not been accessible to the public for the past five years. The new display will show off the best in a rotating exhibit. As with all such projects, this one was fully funded by private gifts from individuals and societies (*see sidebar for list of donors*).

Please take this opportunity to come and marvel at the gems in this Garden.

—Paul Licht, Director

## PROJECT DONORS

### In support of The Fern Collection

Norris E. Gaddis, family and friends

*In honor of Iris Gaddis, Garden volunteer, and her love of ferns*

### In Support of Interpretive Signage for the Orchid, Fern and Carnivorous Plant Collection

East Bay Garden Club

The Stanley Smith Horticultural Trust

### In Support of The Orchid and Carnivorous Plant Display

Bay Area Carnivorous Plant Society

Steven Beckendorf

Jay Caldis, family and friends

*In honor of Niki Caldis and her love of orchids*

Casper Curto—*Casper Landscape Design*

David O. Gray

Glenn and Virginia Haldan

San Francisco Orchid Society

The Docent Class of 1990

*In Honor of their 15th Anniversary*

Claude Babcock

Lisa Bowers

June and Earl Cheit

Eleanor Crary

Mansurali Nurmuhammad and

Nurjehan Gulamhussein

Gayle Roberts

Ellen Rosenau

Kathy and David Welch

## PLANT DECK SALES

Sales on our Plant Deck are flourishing. The volunteer propagators have done an incredible job of keeping the plant deck stocked with great offerings—and the public has responded! Plant sales from the Plant Deck for 2005 increased 49% compared to 2004 and are now much larger than either of our big plant sales. These results have highlighted the need to significantly expand the size of our Plant Deck.

We have supplemented sales from the deck by initiating a series of small-scale specialized sales, set up on the terrace in front of the Plant Deck. The first of these sales was centered on a seminar on waterwise plants in October. We then

replaced our traditional Holiday Sale with a sale of large scale offering of cacti and succulents and succulent dish gardens. These sales have been very successful and we plan to hold six more in 2006. The beauty of these sales is their simplicity: no need for special staffing, as all sales are run through the Garden Shop, and no publicity or expenses save for a few signs, and an announcement to those on our e-mail registry.

If you would like to receive e-mail notices of our special plant sales and programs, visit our web-site (<http://botanicalgarden.berkeley.edu>) and add your name to our e-mail registry.

## EDUCATION

# Supporting School Change *through School Gardens*

**S**chool gardens provide a touchstone for children to explore their cultural and artistic connections to the natural world while investigating math and science. This year the Tides Foundation supported the Garden's Ethnobotanical Mural Project in three partner schools in Oakland. Our School Garden Specialist, Lauri Twitchell, has a vision for school gardens that interweaves the creative talents of children with the practical aspects of growing plants that you can eat and enjoy on many levels. Lauri worked with teachers and mural artist Josef Norris, from Kidserve, to design a program that addresses California State Standards while promoting healthy foods for children, their parents, and the school community.

The three underserved elementary schools selected have more than 50% of children eligible for free or reduced lunch, and have teachers who have implemented the *Garden's Botany on Your Plate* curriculum. Lauri and Josef met with each of the three classes at least once a week over an eight-week period exploring a particular plant topic. The children then learned about the craft of making a tile mural, and designed and produced the mural for their school. Healthy snacks that were featured in the lesson were served to the children after they sketched the vegetables and tree parts. Many children had never before tasted fresh green beans or maple syrup.

The "three sisters" garden, an intercropping technique developed by Native Americans, is planted with corn, beans, and squash, and was the focus of the project at Whittier and Lazear Elementary Schools. The three sisters garden teaches about ethnobotany, science, and horticulture techniques. The three plants of the three sisters gar-

den help one another either structurally or chemically to grow well. This interdependence provides the students with a symbolic model for collaboration and cooperation, a skill that they developed while working on the mural. The Whittier second-grade class visited the UC Botanical Garden during the annual Food of the Americas festival and observed the mature crops in a three sisters garden featured in our Crops of the World Garden.

Melrose Elementary chose the topic of trees for their project with first-grade students. They learned about products that come from trees, including fruit, syrup, wood, and paper. They also learned about three native trees of California, the big leaf maple (*Acer macrophyllum*), the coast live oak (*Quercus agrifolia*)

and the coast redwood (*Sequoia sempervirens*). One of the parents commented that now when she takes her son to the park he picks up acorns and tells her they are from oak trees.

One teacher, when asked how this project enhanced the school garden efforts, included in her evaluation "It has been an inspiration to all, plus it has added beauty to our school." She then added, "My students are very proud of their new knowledge."

Another vibrant Garden project has come full circle under the enthusiastic leadership of Jenny White, now emeritus Associate Director for Education. The colorfully illustrated book, *Math in the Garden*, co-developed with the Lawrence Hall of Science, is now available in our bookstore and on-line at our publisher, the National Gardening Association. Parents and educators around the nation have tested and endorsed this series of activities that use math to reveal the patterns and

### CHANGE

School gardens provide a touchstone for children to explore their cultural and artistic connections to the natural world while investigating math and science.



Two student artists at Lazear Elementary School describe a three sisters garden and explain how the mural was made.

processes of nature.

The Hayward Nutritional Learning Community Project, which provides teacher professional development to 15 schools in HUSD, is using ten *Math in the Garden* activities to promote healthy eating habits and connections to growing edible plants. Children explore graphing with edible leaves and seeds; they measure the weight and volume of fruits and vegetables, and compare the area and perimeter of edible leaves. These activities have been translated into Spanish to further support the inclusion of parents and children who are English Language Learners.

Our Growing Learning Communities Project (GLC) uses *Math in the Garden* to promote science and math in the outdoors through the process of Japanese Lesson Study. At our summer institute, Katie Johnson, co-author of *Math in the Garden* and teacher at Oxford Elementary School in Berkeley, taught the lesson “Inside the Coordinate Grid” to children in our Green Stuff Camp while GLC teachers from the region observed.



Photo by Dr. Wellhausen

*Local teachers (background) learn to use activities from our new book Math in the Garden during modeled lessons with our Green Stuff summer camp.*

This year also marks the completion of an eight-year period of funding from the Howard Hughes Medical Institute in support of our school garden outreach program. Building on the popular Grocery Store Botany program developed by Garden docents in the 1990s, the program now employs a whole school model for partnering with schools and their communities.

What began in 1997 with a handful of schools has led to partnerships with more than thirty local schools in the development and testing of programs for children, teachers, families and community members.

Our Bay Area hillsides are turning green with new vegetation, and school gardens are sprouting with enthusiasm for growing things. I encourage you to become involved with one or more of the following partner schools where our school garden efforts have helped enrich the outdoor learning environments of urban children.

—Katherine Barrett

## SF BAY AREA SCHOOLS WORKING WITH UC BOTANICAL GARDEN

### Alameda

Woodstock

### Berkeley

Martin Luther King Middle School

Malcolm X

Oxford

Willard Middle School

### Hayward

Burbank

Cherryland

Fairview

Harder

Longwood

Markham

John Muir

Park

Project

Ruus-Peixoto

Shepherd

Tyrrell

### Newark

Schilling

Snow

### Oakland

Allendale

Cleveland

Encompass

Franklin

Fruitvale

Garfield

Joaquin Miller

Laurel

Lazear

Lincoln

Luther Burbank

Manzanita

Melrose

Peralta

Whittier

### Orinda

Del Rey

Wagner Ranch

### San Francisco

Grattan

### West Contra Costa

Ford

## BAKER'S LARKSPUR UPDATE

One of the Garden's Center for Plant Conservation species, the Baker's larkspur (*Delphinium bakeri*), is known from a single locality in Marin County, where various catastrophic events (nearly all human-induced) have reduced the population from a high of 103 individuals (only 34 flowering size) in 2001 down to nine (only two flowering size) by 2005. Barbara Keller and I collected limited numbers of seeds in 2001, 2003, 2004, and 2005 (2002 had one of those human-induced disasters) in partnership with California Department of Fish & Game and US Fish & Wildlife Service, with participation from members of the Marin Chapter of the California Native Plant Society. We are experimenting with seed treatments while growing out a number of seeds for future introduction efforts of this extremely endangered species. Seeds were sown by Garden propagator John Domzalski in the nursery on November 30, 2005, and those that were placed in a

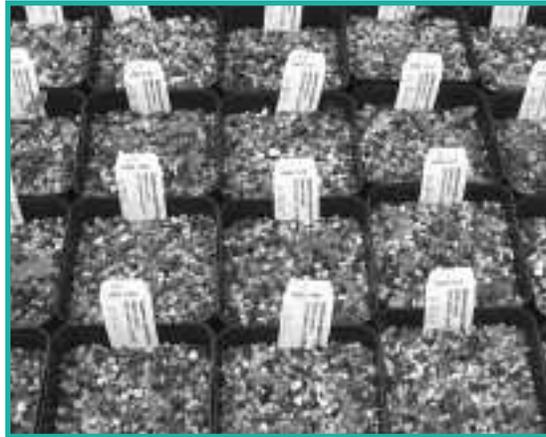


Photo by H. Forbes

*Many Baker's larkspur seedlings are coming up in the Garden's nursery.*

refrigerator for four weeks are coming up very well, with a range of 10–100% (average is 73%) germination to date. Seeds from the same maternal parents sown on that same date but placed directly in the Lath House (no chill factor) have only turned up one seedling so far. Two week and six week stratifications have also given good germination (40–92%). An average of 20% germination for native seeds is considered good.

Our site visit in mid-March 2006 revealed that two of the larger plants from 2005 did not come up, and the one that flowered and set seed last year was in bud when it was bitten off at the base of its stem, likely by a small mammal (e.g. a vole). The remaining six plants are too small to flower this year (and will not likely flower for a few years). We hope that damaged plant will survive to flower again in 2007.

We continue to review potential sites for introduction attempts to start new populations. —Holly Forbes

## Unique Garden Tribute Opportunity

We invite you to celebrate and honor someone you love and support the Garden at the same time by dedicating a new picnic table here in the hub of the Garden. You can sponsor a new custom 10' picnic table, with attached benches, built in the shade surrounded by lush, colorful plantings of the Mexican/Central American collection. The new table will be located adjacent to both the "Arid Exotica" exhibit in the new entrance plaza and the newly refurbished Orchid, Fern and Carnivorous Plant House. This location serves as a central gathering place for the Garden community of visitors, volunteers and staff. Your support would be a (tax deductible) gift to help keep the Garden growing - call the Garden Development Office at 510-643-2937 for information



Photo by J. Williams



Photo by H. Forbes

*This newly developed space is available for your donation of a picnic table in the style of the nearby Bonnell table, crafted by Garden staff.*

## GARDEN NOTES

### NEW STAFF:

**Eric Deschenes** recently joined the garden staff in Building and Grounds Maintenance. He is a graduate of the University of California at Santa Cruz where he studied art and tinkered in several gardens. As a manager of an alternative student housing complex (a trailer park in the woods), he developed a park beautification plan, created funding for and implemented the construction of new community gardens. Eric is very excited to be a new member of the garden staff.

**Caroline Emily Dennis:** Emily can be found in the Entrance Kiosk most week days. She and her family recently moved to El Cerrito from Santa Barbara to be closer to her extended family. She grew up in El Sobrante and attended UC Santa Barbara where she studied sociology. She loves working with people, especially in customer service, which makes her job at the Garden ideal.

**STAFF RECOGNITION:** **Christine Manoux** is a recipient of the Chancellor's Outstanding Staff Award for 2005 for her service as a role model and leader in her work with low-income communities through our education program. This is the second time in three years that the programs she coordinates have been recognized by this award.

**WINTER STORM DAMAGE:** In addition to the damage to the Japanese Pool described in our Director's Column, four young trees in the Australasian Collection were knocked down, but we're hopeful they will recover. There was remarkably little damage in the rest of the Garden, in spite of the heavy rains.

**POND CLEAN-UP:** As noted above, the Japanese Pool was filled with debris and sediment during a severe winter storm. The storm hit as the breeding season of the California and rough-skinned newts was commencing. In February the pool was emptied, cleaned and repaired, but not before hundreds of adult and juvenile newts, as well as egg masses, were removed from the

pool. The animals were temporarily held in tanks, and reintroduced to the pool upon completion of the clean-up. To our knowledge not a single adult newt was lost in this effort. Horticulturist **Elaine Sedlack** has worked extensively to repair damage to the Asian Area, restoring paths and replanting beds.

**GARDEN WEATHER:** Want to check weather conditions before your next visit to the Garden? Check the web site, [http://weathercenter.weathernet.com/default.asp?btn=BTN\\_06Z](http://weathercenter.weathernet.com/default.asp?btn=BTN_06Z), for current information.



*Paul Licht, Chris Carmichael, and Judith Finn netting newts prior to the dredging of the Japanese Pool.*

### ROAD AND PATH IMPROVEMENTS:

This past fall a number of roads throughout the garden were stabilized and improved. Most notably, the road from the intersection of the Asian, South American, and Australasian Areas up to the Garden of Old Roses was paved, eliminating a rutted and hazardous situation. The road from the Japanese Pool to and around the Crops of the World Garden was graded, making vehicular and

human access much more safe and pleasurable! Additionally, the perennially muddy gravel paths behind the Arid House were replaced with concrete. Stained the same color as the concrete in the entrance plazas, the area now feels like an integrated extension of that recently refurbished area.

### AMERICAN PUBLIC GARDEN ASSOCIATION

to visit the Garden: In late June the Garden will host members of the American Public Gardens Association (until recently known as the American Association of Botanical Gardens and Arboreta) during their annual conference in San Francisco.

The Garden will be the site of an in-conference tour for the whole meeting membership, estimated at between 400 and 600 attendees. We hope to make the Garden sparkle for our professional colleagues!



*This newt (Taricha torosa) awaits the cleaning of the Japanese Pool from its temporary home in the nursery.*

## VOLUNTEERS AT THE GARDEN

The following volunteers have reached milestones of service in five-year increments:

Milestones 2005	Milestones 2006		
<p><b>30 Years</b> Mary Pierpont</p> <p><b>15 Years</b> Claude Babcock Lisa Bowers June Cheit Eleanor Crary Mansur Nur Gayle Roberts Ellen Rosenau Sandy Sobey Kathryn Welch</p> <p><b>5 years</b> Maureen Appel Ronni Brega Edna Carpenter Melania Ciapponi Gretchen Guidotti Joan Kibbey Elfi Tarazona Leeza Vinogradov</p>	<p><b>30 Years</b> Elly Bade</p> <p><b>25 years</b> Ramona Davis Bob Lichtenstein</p> <p><b>20 years</b> Tomiye Sumner Jan Vargo Florence Yaffe</p> <p><b>15 years</b> Willy Adam Jack Dolhinow Carol Foster LaVerne Leach Alison Mills Frank Orme</p> 	<p><b>10 years</b> Elaine Chernoff Helene Conant Robert Coombs Louise Dutton Susan Gilmour Doris Graesser Susan Hall Robin Johnson Emily McKibben Mary Mentzel Maureen Mentzel Jane Sandstrom Carol Thompson Elizabeth Woodbury Edith Yu</p>	<p><b>5 years</b> Susan Hoben Peter Langley Claudine Marquet Carlos Rendon Jeanine Sidran</p>  <p>PHOTOS BY J. WILLIAMS</p> <p>ABOVE: (standing) Mary Pierpont, Ruth Hendrix, (seated) Elly Bade FAR LEFT: Gayle Roberts NEAR LEFT: Ramona Davis</p>

## Docent Training Fall 2006

Join the 100-member strong community of dedicated Garden docents. Learn how to create memorable and exciting learning experiences for Bay Area school children and adults from around the globe at one of the most diverse botanical gardens in the U.S. Training will be given by our expert horticultural staff and plant specialists from UC Berkeley and the community. The 18 week *Docent Training Class* will start in September 2006.

► For more information and to apply for the class, call 510-643-1924.

# CALENDAR OF EVENTS

## CREATE A PERENNIAL BORDER USING CALIFORNIA NATIVES

*Sunday, April 23, 2006, 10:30 am to 12 pm*

Join Garden Horticulturist for the California Area, Nathan Smith, for a workshop exploring innovative and practical ways to use California native plants to create a colorful, perennial border.

\$25, \$20 members

## SPRING PLANT SALE

*Saturday, April 29, 2006, 9 am to 2 pm*

## MEMBERS ONLY SALE AND SILENT AUCTION

*Friday, April 28, 2006, 5 pm to 7:30 pm*

Check our website close to the sale date to see a list of featured plants.

## WALKING TOUR OF THE GARDEN OF OLD ROSES

*Saturday, May 6, 2006, 10 am to 11:30 am*

Treat yourself to a walk in the Garden of Old Roses during the peak of their bloom with the Garden's Horticulturist for the collection and rose expert, Peter Klement. Learn about the history of our collection including the influences of Chinese, Persian and European cultures on the roses we grow today.

\$12, \$8 members

## A CHILD'S CONTAINER GARDEN: FAMILY WORKSHOP

*Sunday, May 7, 2006, 2 pm to 3:30 pm*

Children of all ages, together with their accompanying parent/guardian, will discover those special plants known as succulents, where and how they grow, and create a container garden of their own to take home.

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

## SPRING RHODODENDRON TOUR

*Sunday, May 14, 2006, 10 am to 12 pm*

Enjoy Mother's Day on a tour emphasizing the culture of the Garden's Rhododendron species, based on the natural habitats of this diverse genus. Join the UC Botanical Garden's Asian plant expert and Area Horticulturist, Elaine Sedlack, to see the Asian Area's notable collection, including many of considerable age, stature and beauty.

\$12, \$8 members

## UNSELT LECTURE: URBAN BEE GARDENING

*Sunday, May 21, 2006, 10 am to 12 pm*

Everything the urban gardener needs to know about urban bees!

Learn how to encourage bees and other natural pollinators to visit your garden through creating effective and attractive native bee gardens. Dr. Gordon Frankie, professor and research entomologist in the UCB College of Natural Resources, will share plant lists and planting patterns most beneficial for urban bees. Lecture includes a Garden tour, weather permitting.

Free.



## OAKLAND MUSEUM ANNUAL WILDFLOWER SHOW

*Saturday, May 20, 10 am to 5 pm*

*Sunday, May 21, 2006, 12 pm to 5 pm*

The Garden is a co-sponsor of the 37th annual wildflower show at the Oakland Museum, which will feature a profusion of freshly gathered native flowers of northern California. The flowers are displayed individually, in mixed bouquets, and dissected for study.

Included with museum admission.

## SICK PLANT CLINIC

*First Saturday of every month, 9 am to 12 pm*

UC plant pathologist Dr. Robert Raabe, UC entomologist Dr. Nick Mills, and their team of experts will diagnose what ails your plants.

Free.

## DOCENT TOURS:

### AROUND THE WORLD

*Every Thursday, Saturday and Sunday 1:30 pm.*

Free with Garden admission.

### BEAUTIFUL GARDENING WITH WATERWISE PLANTS TOUR

*Third Thursday and the following Saturday and Sunday of each month, 1:30 pm.*

Seasonal highlights of the Garden's unique waterwise plants. Purchase the *Waterwise Gardening Tour* book at The Garden Shop.

Free with Garden admission.

**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 at \$1 per hour. 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.

## NEW MEMBERS

*June 1, 2005 to January 15, 2006*

- Mr. and Mrs. Thomas Albin  
 Mr. and Mrs. Matthew Andress  
 Mr. Michael Anker &  
   Ms. Janeece Dagen  
 Mrs. Devora Anner  
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 Ms. Kristen Badgley &  
   Mr. David Sturtz  
 Ms. Madeline Bakarich  
 Ms. Katherine Barrett &  
   Dr. Reginald Barrett  
 Denise Bates, Landscape Architects  
 Mr. Anthony Beach &  
   Ms. Linda Albera  
 Mrs. Carolyn Beahrs &  
   Mr. Richard Beahrs  
 Beauregard's California Bistro  
 Mr. Mark Becker &  
   M. Tucker Malarkey  
 Mr. and Mrs. Doug Berry  
 Mrs. Billie Jean Bertoli &  
   Mr. Mark B Bertoli  
 Ms. Caroline Beverstock &  
   Mr. Gene Fleet  
 Mr. David Bigham &  
   Mr. Howard Arendtson  
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 Ms. Elinor Blake  
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 Mr. Steven K Brown  
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   Mr. David J Smith  
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   Mr. Donn Chappellet  
 Ms. Betsy Cheitlin  
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   Mr. David Hogue  
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 Ms. Lisa Denenmark &  
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 Mr. Scott Donahey &  
   Ms. Mary O'Byrne  
 Mrs. Genevieve Dreyfus &  
   Mr. Hubert Dreyfus  
 Mr. Peter Dull & Ms. Judy Tsui  
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   Mr. Scott Blossom  
 Ms. Maria Echaveste &  
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   Ms. Margaret England  
 Dr. Randi Engle & Mr. Thomas Kuhn  
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   Mr. Gordon B. Foster  
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   Mr. Thomas Groenbeck  
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   Mr. Mark Morton  
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 Mr. and Mrs. Venkat Raman  
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   Mr. Ephraim Regelson  
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## Give the Gift of Membership

Know someone who loves plants as much as you do? Give the gift of Garden membership—a gift through all of the seasons.

### Member benefits include:

- Unlimited Garden entry for one year
- Members-only Plant Sale before our wildly popular Spring and Fall Plant Sales
- Discounted fee on stimulating Garden classes, workshops, lectures and events
- 10% Discount on most purchases of plants, gifts, and books at the Garden Shop
- Subscription to the *UC Botanical Garden Newsletter*, containing informative articles, the latest Garden news, research notes and botanical updates
- "Best of the Garden" seasonal tours led by Garden experts
- **FREE** admission and discounts at over 160 Gardens and Arboreta—both national and international
- Two one-time guest passes for free entry to the Garden
- Discount on a subscription to *Pacific Horticulture* and *Bay Nature* magazines
- Discounts at many select local nurseries

For membership and gift information call 510 643-2755

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 Ms. Tamara Springsteen &  
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 Perry Hall, *Tour & Program Coordinator*  
 Rose Katsus, *Management Services Officer*  
 Afrooz Navid, *Administrative Assistant*  
 Margaret Richardson, *Rental Coordinator*  
 Michael Rimar, *Membership Coordinator*  
 Janet Williams, *Marketing & Development Officer*

#### COLLECTIONS & HORTICULTURE

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 Barbara Keller, *Curatorial Assistant*  
 Anthony Garza,  
*Supervisor of Horticulture and Grounds*  
 Colin Baxter, *Horticulturist*  
 John Domzalski, *Propagator*  
 Judith Finn, *Horticulturist*  
 Peter Klement, *Horticulturist*  
 Jerry Parsons, *Horticulturist*  
 Dr. Robert Raabe, *Garden Pathologist*  
 Eric Schulz, *Horticulturist*  
 Elaine Sedlack, *Horticulturist*  
 Nathan Smith, *Horticulturist*  
 Gemme Von Knopka, *Horticulturist*  
 Eric Deschenes, *Building and Grounds Maintenance*  
 Gerald Ford, *Building and Grounds Maintenance*  
 Alan Porter,  
*Volunteer Propagation Program Coordinator*

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*Associate Director for Education & Programs*  
 Elizabeth Baker, *Lesson Study Specialist*  
 Laura Twitchell, *School Garden Specialist*  
 Christine Manoux, *Program Assistant*

#### FACULTY ADVISORY COMMITTEE

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 Dr. Bruce Baldwin, *Integrative Biology*  
 Dr. W. Zacheus Cande, *Molecular and Cell Biology*  
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Holly Forbes, *Editor*

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# VISIT THE *Garden Shop*

## Visit the Garden Shop at the UC Botanical Garden.

It's a great resource for garden visitors—anyone with an interest in plants.

You'll find a variety of **books** based on region of the world, type of plant, growing requirements (dry growing plants, house plants, etc), and more, for every level of interest.

You'll also find a unique selection of **gifts** that share the garden theme including botanically-inspired jewelry and decorative items for home and garden, as well as pottery, garden hats and greeting cards.

Our Plant Deck offers special **plants** from our collection and other sources in a regularly changing displays. Look here for great plants between our two annual Plant Sales.

Members support the Garden and receive a 10% discount on Garden Shop and Plant Deck purchases year round!



Photos by J. Williams



*Gifts from the Garden Shop. Wooden bowls are made by artisan John Doyen, an Emeritus professor from UC Berkeley. His award-winning turnings are crafted from both unusual native and ornamental species, including many from Garden specimens.*

## Cultivate Enthusiasm for the UC Botanical Garden

**Volunteer at a premier garden.** Enjoy the Garden's beauty, meet people and plants from all around the world. The Garden Shop is open daily 10:30 AM to 4:30 PM. Volunteer shifts are available 10:30 AM to 1:30 PM or 1:30 PM to 4:30 PM.

More than 200 volunteers support the Garden through educational and fund raising activities, generating an average of 2,000 hours of service each month. Volunteering in our Garden Shop is of great value to the Garden accomplishing its mission.

**For more information call 510-643-1924.**



**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*