Venturing to Venezuela, Part 2

In February of this year a group of intrepid travelers ventured to Venezuela, on a Garden-sponsored tour, to explore various ecosystems unique to that country. The group was led by David Brunner, Horticulture Manager. Here is his account of the trip, the first part of which appeared in the Summer Newsletter.

Flowers of *Espeletia schultzii*, one of the “frailejones.” (Photos by David Brunner)

From the strange world of the tepuis, we were certain that nothing else would compare. But the Andes awaited with their own beautiful secrets. We flew into Merida, a modern city in a deep valley between two great arms of the northern Andes, each rising steeply into equatorial snow and ice at 16,000 feet. But we weren’t to stay long in the city. Soon we were on our way up the flanks of these great mountains into the misty cloud forests that clothe their shoulders in capes of green. We stayed the night in a century-old coffee plantation. Mossy red-tiled roofs and whitewashed walls nestled amid *Tillandsia* festooned figs.

The following days we explored these moisture laden forests. Giant pinwheel leaves of *Cecropia*, white as snow beneath, and flaming orange boughs of *Erythrina* defined the canopy ceiling. Below in the humid semi-shade, tree ferns stretched long necks 10 meters to the sun, and *Heliconia* or *Aphelandra* blooms rent the darkness with explosions of color. In the trees themselves, color abounded. Orchids, banks of purple *Sobralia*, swags of orange *Oncidium*, glowing spirals of *Epidendrum*, and illuminated lilac *Cattleya* were not to be outdone by the chocolate and crimson of *Episcia* or the lilac and carmine of *Vriesia*.

At every turn the dense, moist, green curtain was spangled with color—some that moved! Giant iridescent blue morpho and elegant red and black heliconiid butterflies moved on slow-motion wings. Just at dawn, after scrambling down a steep, root-entangled slope, we paused in the hush beneath a particular tree. Then, as pale azure replaced the indigo above, a cacophony of cries rang out. A noise like a thousand crows in a quarrel. But the birds that were uttering these cries! The Andean Cock-of-the-Rock, a shocking orange fellow with a breast of jet. We were underneath their roosting tree, as several hundred proud and pompous males decried each other’s brilliance.

Then still higher we climbed. The forest thinned, and changed. *Podocarpus* replaced *Cecropia*. Rose and Erica relatives replaced *Heliconia* and tree ferns. We were coming into the paramo—the Andes equatorial alpine zone. At an elevation of nearly 12,000 feet, we stayed in a restored 17th century Franciscan monastery to explore this unique tropical habitat. The paramo is found above the cloud forests, in fact above many of the clouds. The skies are bright blue and the days are warm, but the thin air holds no heat and the nights are frigid. Winter descends...
every evening with frost, ice and occasional snow. Summer returns each midday when the sun, in unfiltered intensity, blazes above. Plants here have to adapt to our yearly extremes in each and every day. The results are fantastic shapes and colors. *Elaphoglossum* ferns cloak their fronds in bronze and silver mirrored scales, and their strange cousin *Jamesonia* unfurls fronds like chenille in white and rust and gray. Odd, twisted trees of *Polylepis* shed long ribbons of red bark from branches holding *Fuchsia*, *Passiflora* and *Bomarea* in full flower.

Strangest of all, the undisputed monarch of the paramo (though the Andean Condor, a mere speck in the sky above, might disagree) is *Espeletia*, the Frailejon. These odd plants, like giant velvet cabbages on a pedestal, are as numerous as the soldiers of an invading army cresting the ridge. Marching silently up the rocky precipices toward the permafrost, they embody the paramo as the saguaro embodies the desert. In flower, these solemn soldiers put on a jaunty hat of yellow and show their true nature as overgrown daisies. Wonders of adaptation, *Espeletia* conserve heat through the cold night in their thick stem and leaves. They even produce antifreeze to protect the growing bud, but filter the too-intense daylight through dense crystalline hairs.

Leaving the paramo on a frosty dawn, we descended and descended and descended by Andean valleys to the great plain of the llanos in the valley of the Orinoco River. We lost 10,000 feet of elevation and gained 60 degrees in temperature. The broad plain that stretches between the Andes and the highlands of the Gran Savana is as flat and rich a land as our Great Plains. Here the climate is hot and dry or hot and wet. The season of mud and the season of dust. We arrived at the end of one and the start of the other, so we got some of both. The forest is tall and semi-deciduous, many of the trees going leafless to conserve water. But along the many, big, slow meandering rivers the galleries are evergreen and ever-blooming. *Vochysia* filled the sky with yellow spikes and *Coryanthes* filled the air with exquisite perfume.

The llanos are not, however, ruled by plants; they are ruled by birds, a swirling, dizzying kaleidoscope of birds. Thousands of birds, tens of thousands of birds, millions of birds! Spoonbills and ibises of scarlet, storks and egrets of white, herons of blue, kingfishers of green. Hawks by the squadron, ducks by the fleet. If that were not enough, the water is teeming too. Fire-bellied piranha swim in the shallows, while giant, seemingly lazy crocodiles bask on the shore. Always nearby, the squat yet somehow stately capybara, largest of all the rodents, bathes in the shallows. Herds of these pig-sized beasts rove from water hole to water hole, grazing on the abundant grass, as they raise their young and avoid their principle predator, the anaconda! We ventured out onto these unfriendly waters to see the wildlife and see it we did, all of it up close!

Returning to Caracas and the troubles of everyday life (an airline strike!), each of us knew we had experienced the trip of a lifetime. From the bizarre and pristine world of Kukenan to the sizzling abundance of the llanos, we had touched the pulse of the planet and felt it surging. We will not forget.

—David Brunner
DIRECTOR’S COLUMN

I have a photograph of my father that I enjoy very much. It’s fun to ask people where they think it was taken. He looks very dapper in his jaunty fisherman’s cap and tweedy jacket. The folded umbrella in his hand is damp and limp; it clearly has been raining, although not just now. The surroundings are preternaturally green. Saturated emerald hillsides obscured by swirling mists; droplet dotted grass blades in the foreground.

Everyone guesses Ireland. Neither my father nor I has ever been to Ireland, I triumphantly inform my surprised friends. This picture was taken in Los Angeles; in the Santa Monica mountains, which are within the city limits!

Anyone who has spent time in California knows that away from our irrigated lawns and orchards, there are two seasons: the green and the brown. And when it is green, it is very, very green. Has it always been this way?

Today, this signature character of the western California landscape is largely due to the quickening of exotic grasses to winter rains. How did the landscape appear before these grasses spread like wildfire before the wind?

This is not an idle question of romantic botanists. Ecological restoration, the scientific restoration or reconstruction of natural habitats, is a growing field that needs answers to this and similar questions. For example, did the earlier ecosystem show the dramatic swings in function that characterize current grasslands? Were these landscapes self-maintained, or did they reflect the activities of the large human population supported by this rich land? If the latter, then how can we replicate these ecological manipulations?

It is surprisingly difficult to find answers to these questions. A variety of avenues has been pursued. Pollen records from cores of pond bottoms. Anthropological interviews with Indians. Archaeological digs. The spotty accounts of early explorers. I have even heard of attempts to reconstruct pre-contact landscapes by soaking mission adobes in water to dissolve out the fibrous plant material that was used to give them structural strength.

In desert regions, dissections of pack rat nests can be amazingly revealing. Each mode of inquiry reveals a small part of the animal; perhaps a piece of the tail, a leg, the trunk. Is it a snake? A tree? Who knows? Like the blind men feeling the elephant, we won’t begin to understand the whole picture until the information from all these diverse sources is examined in concert. This is where the Garden comes in.

At the Garden we are in the planning stages for an exciting new initiative. We will soon begin renovations to transmute the former Canyon Chemical Facility into a Center for the Study of Plant Conservation. One of the goals of plant conservation is to conserve plant diversity within natural communities. Today, there is much debate about what constitutes a natural community in California. An important role of the Center will be to facilitate multi-disciplinary inquiry into the natural communities in California today and in the recent past.

—Dr. Ellen Simms

Research in the Garden

The Garden continues to offer many opportunities for research to both faculty and students. Mary Jane Grady and Reginald H. Barrett of the Department of Environmental Science and Management have recently reported on an interesting research project they have undertaken at the Garden. Entitled, “The Effect of Using Bait on Detections of Wildlife Entering the UC Botanical Garden Using an Automatic Camera System,” their report details some of the fauna entering the Garden under the fence at night. Using a “Wildlife Pro Camera System” over three 14-day sample periods, they detected 60 animal incursions into the Garden through a hole in the cyclone fence.

Their project sought to distinguish between the number of incidences occurring when the site was baited and the number when it was unbaited. Our most common visitor was a little gray fox, obviously attracted more during the one baited period. What cannot be quantified of course, are the number of animals deterred by that fox! Two trespassers (red fox, Vulpes vulpes, and feral cat, Felis catus) proved especially interesting, since they are non-native species, known to be detrimental to native wildlife.
The annual national meeting of the American Association of Botanical Gardens and Arboreta was held in Vancouver, British Columbia in late June. **David Brunner, Holly Forbes, Jennifer White, and Janet Williams** attended. Discussions of international collecting expeditions and the sharing of plant materials, in respect of the 1992 Convention on Biodiversity, were highlights of the meeting.

Horticulturist **Lawrence Lee** has reduced his time to 80% to launch a private nursery business. Horticulture Manager David Brunner has taken over responsibility for the New World Desert collection.

A mountain lion was sighted on Centennial Drive in the vicinity of the Garden on July 3. The following suggestions are from the California Department of Fish and Game: Do not hike alone. Keep children close to you. Do not approach a lion. Do not run from a lion. Do not crouch down or bend over. Do all you can to appear larger. Fight back if attacked. More details are available on the mountain lion alert signs in the Garden and on the adjacent fire trail.

New Plants Program Coordinator **Martin Grantham** resigned in June. He is now managing the teaching greenhouses at San Francisco State University. Martin made significant contributions to the Garden in several positions since 1989, including horticulturist responsibilities at various times for the Mexican and Central American Area, Australasian Area, Xerophytic Ferns and African Hill. We wish him the best of success in his future endeavors.

Farewell and good wishes to **Kandle Fraser** who served as our administrative assistant; she has left to pursue graduate studies at the Art Institute of Chicago. We welcome **Michael Rimar**, her replacement on the administration team; he is also an enthusiastic Garden member.

**What Makes the Garden Grow?**

We welcome all of our members in the Supporters and above Membership groups to attend a special **Behind the Scenes Tour** and reception to be held in the Garden’s Corporate Yard on October 21. Featuring small group tours of nearby, normally nonpublic greenhouses and propagating areas led by our expert horticultural staff, this event will also have a self-guided tour of the Corporate Yard with plenty of fascinating Garden facts and folklore. (For example, “What are you doing with all of those rocks?” and ”Why is it called the Gorilla Cage?”) We will be mailing invitations with all of the details shortly.

Dr. Raabe’s column this issue (page 8) has a note about plants that attract hummingbirds, and we just cannot miss the opportunity to point out that a great number of these plant species, especially the salvias and penstemons, can be found in the Mexican and Central American Area of the Garden. All are in glorious flower during the Fall and surrounded by a darting multitude of hummingbirds and dancing butterflies! Come in and have a look; you may also find one of these attractive plants in the Garden Shop to take home.

Examples of these can be seen all around the new masonry staircase in the photograph, left. The steps, which imitate the style of the original stone stairs in the New World Desert section of the Garden, were recently completed by horticulturist Eric Schultz. The more naturalistic stone stairs are part of a Garden program to replace the old railway tie stairs—which not only wore out more quickly but were environmentally unsound because the ties were soaked in creosote, which pollutes the soil. A new masonry staircase has been installed in the New Zealand section over the last few months and another is soon to be installed in the Asian section.

**San Francisco Flower and Landscape Garden Show, 2000**

Following the critical success of our vignette display, “The Surrealist’s Landscape—Specimens from our Extraordinary Palette,” in the San Francisco Flower and Landscape Garden Show in March of this year, we have been invited to participate in the main floor competition next year. Currently, we are engaged in planning all aspects of our display and wanted to let you all know how excited we are to be the first nonprofit organization ever invited to compete in this main part of the show. If you are interested in helping to sponsor our entry, or would like to volunteer to help with construction of the actual exhibit, then please call Horticulture Manager, David Brunner, at 510-642-9856.
EDUCATION AT
THE GARDEN

The Garden Supports Gardening Programs in Local Schools

As reported in the last Newsletter, the limited number of spaces for the Spring School Garden Conference filled up quickly, and an additional 35 individuals were turned away. This offered clear evidence of how eager local teachers are for the support of the UC Botanical Garden in developing gardening programs in their schools. Consequently, we have scheduled our second School Garden Conference for Saturday, November 20.

The Garden’s education program supports schools in many ways as they struggle to establish and maintain gardens at their sites. In addition to developing curriculum that integrates teachers’ goals with the State of California Science Curriculum Framework for both elementary and secondary grade levels, the Garden’s education staff has conducted teacher training sessions and then supported schools when they take the first step in establishing their gardens. We have been able, for instance, to send Cal undergraduates out to schools, where they assist teachers and students in planting seedlings, then go on to teach students a variety of horticultural skills. The Garden has also provided California native plants for three schools developing native plant gardens. Another school is interested in personalizing its garden by growing plants from each student’s native country. For this project, the Garden is providing salvias from Mexico and the United States, as well as from seven countries in Central and South America.

In providing support for our partner schools, we have discovered that flexibility is the name of the game. Different schools, faculty, and school gardens need different types of support. The Education program at the Garden thus tailors support according to the needs of a particular school. While this requires the juggling of many issues, each school garden becomes a product of its own staff, students, and volunteers—as such, a vital, vibrant, and beautiful resource of the school itself. While our support helps each school garden program thrive, it also ensures that the program will maintain itself, becoming self-sufficient, so that these gardens will play an integral part in children’s schooling for years to come.

Please share information about the Fall 1999 School Garden Conference with anyone who might be interested in attending. If you, or someone you know, would like to have an application for the conference, please contact Jennifer White at the Garden (510-495-2805).

—Jennifer Meux White

Counselors Tell All about Day Camp

Every summer since 1990, the Garden has offered a summer day camp called “Green Stuff.” Since that first summer, when some twenty children enjoyed two one-week sessions, our program has burgeoned. This year, the Garden saw 52 Green Stuff campers in five one-week sessions. In addition, we collaborated with the Lawrence Hall of Science in two sessions, during which 24 children devoted their mornings to plants and their afternoons to animals. In another collaboration with Golden Bear Recreation, 50 more campers spent their mornings on sports, and their afternoons in the peaceful atmosphere of the Garden.

Counselors Wendy Park and Neil Hedgecock were delighted to see how creative kids can get. Every group is different, but all the children love the tie-dye activity. The older children particularly enjoy the Bio-Accumulation Game and the Food Web Game which draw their attention to what eats what, as well as to the consequences of using pesticides. The realization of the damage that pollution in the environment can do seems to shock the children, and they immediately come up with solutions, like “Make cars extinct!”

Both Wendy and Neil love showing the children around the Garden, especially inside the greenhouses. Wendy likes snack time, when she can relate what the campers are eating to the plant world, and Neil enjoys revealing that plants don’t get their food from the soil, as most people think, but that they make their food using the sun! They have had a great summer at camp, too, because “The kids are already so bright and enthusiastic about science and learning more! That makes it fun!”

Happy campers at the Garden proudly display their fine tie-dye work.
(Photograph by Janet Williams)
We’ve all visited the Garden Shop, but did you know it is entirely staffed by volunteers—twenty-eight in all? These volunteers work one shift a week or every other week, and many also volunteer as docents and propagators. Well-traveled and from different walks of life, the Shop volunteers not only help visitors select a book or a gift or a plant, they also answer a bevy of questions about Garden history, Garden programs, and the subtleties of plant care.

Elly Bade is the longest serving Shop Volunteer. Since the summer of 1987, she has been buying the Shop’s books for both adults and children—no easy task when shelf space is limited. Elly’s philosophy is to offer an extensive range of books about plants and gardening to our visitors. The curious child, the novice gardener, the horticultural enthusiast and even the learned botanist will each find books of interest in our Garden Shop. Recently, Nancy Markell joined Elly, and the two now collaborate in bringing this esteemed book selection to the Garden Shop.

Many Garden visitors express surprise at the Shop’s unique array of gifts—made possible through the efforts of our gift-buyers: Emmy Sortor, Lee Hafer, Janean Jaklevic and Pat Smith. With their distinct, but always selective, tastes, they are expert at finding unusual T-shirts, aprons, ceramic pots, toys, and botanically-inspired greeting cards. Whether you fancy a beautifully designed bug pin from Yipes!, a one-of-a-kind wooden bowl made by John Doyen, or a fragrant soap or salve from Bonny Doon Farms, come to the Garden Shop. And if you’re simply hungry, Helene Conant makes sure the Shop stocks your favorite snack!

A few volunteers even bring their artistic talents to the Garden Shop: Pat Smith makes earrings, and Wendy Draper makes sachets. Jean Nunnally collects and presses flowers, which she transforms into colorful greeting cards. And two of Janean Jaklevic’s photographs of the Garden have been made into refrigerator magnets.

Make a visit to the Garden Shop a part of every visit to the Garden! You’ll be able to meet one of the Shop’s twenty-eight volunteers: Elly Bade, Joan Bricker, Ann Brown, Helene Conant, Fran Costa, Kathleen Donovan, Wendy Draper, Marilyn Fulrath, Lee Hafer, Kate Heckman, Elizabeth Hook, Janean Jaklevic, Dawn Keremitsis, Susa Kessler, LaVerne Leach, Nancy Markell, Tanya Muschietti, Jean Nunnally, Ellen Peterson, Kay Riddell, Jenny Schaffell, Pat Smith, Emmy Sortor, Thomas Steppe, Ruth Ungar, Elizabeth Waterman, Patricia Wolf, and Pam Woy. Not only that! You’ll be able to browse recently published books, to peruse the latest gift selections, and to stand amazed at the variety of rare and unusual plants offered for sale on the Garden Shop’s Plant Deck.

Hats Off To Margaret Mitchell !!
25 Years Of Service To The Garden

At a festive Docent Luncheon on September 21, Margaret Mitchell will be honored as the most long-serving volunteer still on active service in the Garden. The Docents were the first volunteer group organized in the Garden, and Margaret is the only docent remaining active from the first docent training class, which graduated in 1974. She served as Chairperson of the group in 1977-78, and actively promotes the Garden wherever she goes. Of course, she continues to lead tours. (Her favorite assignment is with the Biology 1B students!)

Thank you, Margaret, for your enthusiasm and grace. We hope you’ll be with us for another 25 years!
Meet the Program Committee

Many readers of this Newsletter may not realize that most of the Garden’s informative lectures, dynamic workshops, and exciting travel adventures happen as a result of the efforts of the volunteer Program Committee. Organized informally two decades ago, when the Garden had no full time Program staff, the Program Committee took on the task of broadening our public educational offerings beyond the scope of docent-led tours. Over the years, they have presented horticultural symposia, lectures by cutting-edge natural scientists and gardening gurus, book signings by popular plant specialists, workshops by talented nature-crafters, and travel adventures to gardens throughout the world.

The Program Committee includes volunteers from the various volunteer groups throughout the Garden. Chairperson Diane Kothe has engaged in nearly every volunteer activity possible at the Garden. Claude Babcock, Alison Mills, and Gayle Roberts are Docs. Lee Anderson and Lizzie Kaska are Propagators, Pat Smith and Emmy Sortor are active in the Garden Shop. Some Committee members, like Janet Ruyle, make the Program Committee itself their primary Garden activity. Janet Williams, Nancy Swearengen and Margie Richardson are staff Program Committee members.

All told, the Program Committee gathers enthusiastic, energetic and creative folks who like to find ways to share, with as many people as possible, their excitement about the plant world in general and the Botanical Garden in particular. If you have ideas for programs, or if you would like to be a member of this up-beat group, please let us know!

NEW BOOKS


AND DON’T MISS THIS— On Sunday, November 7 at 2 p.m. Ronald Lanner will be in the Garden for a signing of Conifers of California
—Elly Bade

Garden Wishlist

Thanks so much to those of you who responded to the wishlist in our last Newsletter.

For the new staff breakroom we received a refrigerator from Carol and Howard Kirk and a toaster oven from Gene Rochlin and Anne Middleton. Margaret O’Connor and Larry Korb donated a washing machine for the horticultural staff to use. We really appreciate these donations and thank you all very much indeed! We also thank Mr. D. Meredith who kindly offered us his pick-up—which we were unfortunately unable to accept due to university policy regarding in-kind gifts of vehicles (turns out we are only able to accept vehicles under six years of age or which have traveled less than 60,000 miles).

We still have a wishlist though!
- a clothes dryer
- a pick-up truck
- a microwave
- contributions toward a thermal transfer label printer for propagation (this costs around $4,000 and we already have had $1,000 of that donated towards the cost of this item)

If you are able to help us out with any of these we would love to hear from you! Call Janet Williams in the Development Office at 510-643-2937.
THE DOCTOR SAYS

Apple growers in California’s southern Joaquin Valley are removing thousands of Fuji apple trees. Although crunchy and sweet, they aren’t red like those from the northwest, or those grown farther north in the valley, or those grown at higher elevations in the south. The reason is that it doesn’t get cold enough at night to build up anthocyanins, the red pigments in apples. *Western Fruit Grower* 119 (5): 24A-24B.

Using gamma radiation, a researcher on grasses treated a cultivar of Bermuda grass, and selected mutant plants that were very short. The new cultivar outperforms its predecessor when used as a putting green mowed at heights of $\frac{1}{8}$ inch or less. It is being tested, not only for how well it responds when used as a putting green but also how it responds to wear and tear. *Agricultural Research* 46 (5):13.

—Dr. Robert Raabe

A Sneak Preview...

Long-time Garden supporters, Mary and Richard Schroter, have generously made possible the purchase of a Kasuga-style lantern, pictured here, which will be installed soon. Carved from granite, this seven foot, 150 year-old lantern comes from the mountains southwest of Tokyo. Its hexagonal firebox features three motifs, a deer, a cloud, and a mountain. This venerable lantern will be dedicated to Haruko Obata, a beloved teacher of *Ikebana*, the art of Japanese flower-arranging. Once installed, the lantern will complement both the smaller lantern already beside the Japanese Pool and the Japanese-style wooden gate, recently dedicated to both Haruko Obata and her husband Professor Chiura Obata.
New Members
The Garden welcomes the following new members:

Dr. and Mrs. Arthur Ahlin
John Alexander and M. Roman
Mr. David Allswang
Ms. Judith Alper
Michael and Melanie Andersen
Brian Anderson and Leda Schulak
Ms. Elaine Anderson
Alan and Helen Appleford
Mr. David Arnold
Dr. Diana Arsham
Ms. Susan Baker
Iris and Bob Baker
Mr. Robert Balfour
Ms. Sharon Kay Bany
Ezra Barany and Beth Reisberg
Ms. Susan Barnard
Ms. Lisa Barsoti
Mr. Jason Bass
Mr. Steve Batchelder, Tree Care
Ms. Mariece Batey
Mr. Randall Bean
Ms. Barbara Beard
Mr. Richard Beaubien
Ms. Ellin Beer
Ms. Nancy Bellati
Ms. Ruby Bergman
Mr. Murray Billes
Ms. Meredith Binsacca
Ms. Barbara Blalock
Ms. Anne Bleecker-Corcos
Ms. Mollie Blue
Ms. Mary Blume
Ms. Barbara Borowiak
Ms. Margaret Bowman
Mr. Michael Bowman
Mr. George Boyd
Ms. Barbara Bradley
Ms. Anne Brown
Mr. David Bruce
Ms. Barbara Brunner
Erin Burry and Terrence Tanner
Ms. Sarah Caligari
Ms. Donnis Camp
Ms. Jean Carmichael
Ms. Marilyn Carr
J. Carrer
Ms. Geraldine Casale
Mr. Robert Case
Ms. Gale Chapman
Ms. Sally Chapman
Ms. Helen Chetin
Sidney Choate
Ms. Lisa Chu
Ms. Susan Ciriclo
Ms. Karen Clayton
Mr. Tom Cloney
Ms. Marcia Cloutier
Dr. J. Frederick Conrad, Jr.
Mrs. Lisa Cooperman
Ms. Lorraine Corden
Mr. Harry Cornbleet
Ms. Patricia Corrigan
Mr. Michael Craib
Ms. Kathleen Craig, Craig Design Associates
Creative Magic Gardens Nursery, Inc.
Ms. Patricia Cross
Mr. Susanna D’Arcy
Mr. Robert Dagley
Mr. Derek Daniels
Ms. Joellen Davidson

Affiliated Nurseries
The Garden is pleased to present the following nurseries offering a 10% discount on plant materials to UC Botanical Garden members (remember to present your membership card at time of purchase):

Copacabana Nursery
234 Hall Drive, Orinda
510-254-2302

The Dry Garden
6556 Shattuck Avenue, Berkeley
510-547-3564

East Bay Nursery
2332 San Pablo Avenue, Berkeley
510-845-6490

Grand Lake Ace Garden Center
4001 Grand Avenue, Oakland
510-652-9143

Magic Gardens
729 Heinz Avenue, Berkeley
510-644-1992

Smith & Hawken
1330 10th Street, Berkeley
510-527-1076

Thornhill Nursery
6250 Thornhill Drive, Oakland
510-339-1311

Westbrae Nursery
1271 Gilman Street, Berkeley
510-526-7606

Yabusaki’s Dwight Way Nursery
1001 Dwight Way, Berkeley
510-845-6261

The Garden Shop
Plants, Books & Gifts
Open Every Day of the Week
10:30 a.m. to 4:30 p.m.
Members receive 10% discount
Gift Certificates Available

Ms. Nancy Davidson
Ms. Linda Davis
Mark and Diana Davis
Tracy Dean
Ms. Cynthia Debrunner
Mr. Al Del Simone
Ms. Licia Demeo
Mr. Ernest Denicke
Ms. Virginia Denison
Ms. Patty Dennis
Mr. David DeVoe
Ms. Barbara Dezonia
Mr. Harry Dixon, Jr.
Mr. Mark Doele
Wakako Domoto
Ms. Diane Dunkan
Norma and Arthur Dunlop
Mr. Richard Duran
Ms. Gloria Edson
Ms. Julie Ellis
Mr. Gary Faber
Frances and Norman Farley
Irregard Feldon
Mr. James Ferguson
Ms. Alison Ferguson
Gary and Leigh Firestone
Hue Yong and Patrick Flaherty
Ms. Polly Fleischer
Ms. Kate Frankel
Ms. Krisa Fredrickson
Dr. Stephen Friedkin
Ms. Beth Friedman
Raphael Friedman and Sara Grunstein
Mr. Philip Gaddis
Mr. Joseph Galvan
Mr. Al Garren
Ms. Ruth Geary
Ms. Catherine Gedney
Hans and Lily Gerson
Ms. Sara Gooldby
Alison Gopnik and George Lewinski
Ms. Alice Gore
Mr. John Gravell
Ms. Lisa Graves
Mr. Jordan Greenberg
Lawrence and Helen Grossman
Mr. Jordon Gudebski
Ms. Maya Guilmand
Ms. Debra Gumina
Mr. Michael Gutierrez
Ms. Margaret Gwinn
Margaret and George Haldeman
Ms. Gigi Hall
Mr. Ian Halliwel
Mr. Robert Halsey
Flora and Stanley Hanks
Ms. Shirley Harmon
Ann Harvey and Francesca Cunningham
Mr. Jerry Hashimoto
Ms. Shoshana Haulley
Lorraine and Frank Hauser
Joan and Sam Hay
Susan Heckly and Thomas Howard
Mr. Gunder Hefta
Mr. Thomas Hendricks
Ms. Frances Herb
John and Janet Hertz
Dr. Robert Hicks
Mrs. Martha Hill Smith
Ms. Ella Hirst
Hoe and Hope Garden Club
Mr. Bruce Holt
Mr. Steven Hopkinson
Billie Hopper
Roger and Jenny Howe
The Garden wishes to thank these members who have made a substantial gift over and above membership:

Ms. Judith Alper
Rita and Richard Atkinson
Ms. Shannon Baker
Ms. Anne Bleecker-Corcos
Mr. and Mrs. James Carroll
Ms. Sally Chapman
William and Dorothy Clemens
Terry and Zoe Coddington
Dr. J. Frederick Conrad, Jr.
Creative Magic Gardens Nursery, Inc.
Ms. Patricia Cross
Mr. Robert Dagley
Ms. Virginia Denison
Mr. Richard Duran
Inger Fair
Hue Yong and Patrick Flaherty
Ms. Kathryn Gjeltema
Lawrence and Helen Grossman
Elizabeth Helmolz and A. Carl Hemholz,
Laird Norton Family Fund
Dr. Robert Hicks
Hoe and Hope Garden Club
Preston B. and Maurine Hotchkis
Mrs. James Jones
Susan and Henry Kahn
Ms. Sharon Karol
Diane Kothe and Frank Dobson
Mr. John Lambert
Mr. William Lange
Ms. Janice Thomas
Mr. Larry Thompson
Ms. Melanie Thompson
Mr. Stan Tish
Ms. Amy Titherington
Marie Travers and John Perry
Mr. Donald Trueblood
Ms. Dawn Uribe
Barbara and Milton Vail
Mr. Joseph Valdez, Green Acres Gardening,
Landscaping & Maintenance
Carl and Loretta Vanderveen
Ms. Dianne Velasco
Inta Vodopols and David Jones
Gerald and Kaymarie Jacobson Wheeler
Mr. Fred Whitefield
Ms. Marian Whitehead
W. E. Wickliffe
Mr. James Wilson
Ms. Mei Wong
Ms. Linda Woods
Doug and Darci Worth
Mr. Arthur Wu
Jessie Yasaki
Ms. Ellen Young
Dr. Sheila Zarb-Harper
Ms. Alanna Zuppann
Ms. Linda Zwerdling

Grateful Thanks

Ms. Jean Swanson
Ms. Barbara Study
Ms. Beverly Takata
Ms. Nancy Teshima
Mrs. Janice Thomas
Mr. Larry Thompson
Ms. Melanie Thompson
Mr. Stan Tish
Ms. Amy Titherington
Marie Travers and John Perry
Mr. Donald Trueblood
Ms. Dawn Uribe
Barbara and Milton Vail
Mr. Joseph Valdez, Green Acres Gardening,
Landscaping & Maintenance
Carl and Loretta Vanderveen
Ms. Dianne Velasco
Inta Vodopols and David Jones
Gerald and Kaymarie Jacobson Wheeler
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Mr. James Wilson
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Ms. Linda Woods
Doug and Darci Worth
Mr. Arthur Wu
Jessie Yasaki
Ms. Ellen Young
Dr. Sheila Zarb-Harper
Ms. Alanna Zuppann
Ms. Linda Zwerdling
In Honor
The Garden offers appreciation and thanks for gifts in honor of:

Donn and Eileen Trousdale from Elizabeth and Steward Hook

In Memory
The Garden offers appreciation and thanks for gifts in memory of:

Charles Derleth from Ms. Edith Herget
Elly Platou from Eric and Lorel Kay
Ms. Peggy Klenz
Mildred and Morton Marcus from Ms. Donna Snodart
Gardner Von der Leith from Elizabeth and Steward Hook
Jeanne Watkins from Mr. Douglas Watkins

Gifts In Kind
The Garden offers appreciation and thanks for gifts in kind:

Ms. Susan Hall
Dr. Robert Ornduff
Carol and Howard Kirk
Gene Rochlin and Anne Middleton
Margaret O’Connor and Larry Korb

Special Thanks
The Garden would like to honor and thank those supporters making substantial donations:

Mr. Robert Apte
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Ms. Hildegard Paxson
Mary and Richard Schroter
Ms. Nora Sminga
Barbara and Milton Vail
Jane and Nelson Weller

Planning a Gift to the Garden?

If you are interested in including the Botanical Garden in your will, please let us know if you need any help with regard to the precise language to be used. If you would like information about donating appreciated securities or establishing a charitable remainder trust, we can forward this information to you, your attorney or financial advisor.

Please contact either Janet Williams in the Development Office at the Garden 510-643-2937, or call the University Office of Planned Giving on the central campus at 510-642-6300.
FALL PLANT SALE
Sunday, September 26, 10 a.m. - 2 p.m.
Fabulous selections for your garden from our vast collection!

EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT FLOWER ARRANGING
In this three-part series, UCBG horticulturist Jerry Parsons, an accomplished floral arranger, will answer all your questions.
  Wednesday evenings, 6 - 8 p.m.
  September 8: The Basics
  September 15: Finding Inspiration in the Botanical Garden
  September 22: Building Your Own
Members $15 per individual class, $40 for the series
Non-members $20 per individual class, $55 for the series

FOODS OF THE AMERICAS
Don’t miss this extraordinary self-guided exhibit which showcases crops that originated in the Americas.
  September 26 - October 17, 10 a.m. - 4 p.m.
  Free with Garden admission
Special school presentations weekday mornings, Monday - Friday.
Call Margaret Richardson for reservations and information, phone 510-642-3352.

GRAND TOUR EN ESPAÑOL
Celebrating the opening of Foods of the Americas, world traveler, Argentine native and avid Garden volunteer Lee Anderson will lead a tour of the Garden in Spanish.
  September 25, 2 p.m.
  Free with Garden admission. Call for reservations and information.

MEDICINES FROM THE EARTH
A three-part series highlighting healing medicines from the exotic rainforest to our own back yards, presented by Constance Grauds, R.Ph., a specialist in natural medicines. She teaches natural medicines, jungle medicine and shamanism around the world and is the author of a soon-to-be-published book Pills, Shamans and Other Medicines.
  Sunday, October 24, 1 p.m.: Jungle Medicine
  Sunday, October 31, 1 p.m.: Western and Chinese Herbs
  Saturday, November 6, 1 p.m.: Integrative Medicine
Members $10 per session, or $25 for the series
Non-members $15 per session, or $40 for the series

SICK PLANT CLINIC
Bring your sick plants to see Dr. Robert Raabe, UC Plant Pathologist and Dr. Nick Mills, UC Entomologist for free diagnosis and prescription.
  First Saturday of every month 9 a.m. - noon

ART IN THE GARDEN
Karen LeGault, whose work has been exhibited locally and internationally, welcomes beginners as well as accomplished artists.
  9 sessions, beginning September 21
  Wednesday afternoons, 2 - 4:30 p.m.
Members $125, non-members $150

CONIFERS OF CALIFORNIA
Ron Lanner, author of the new Conifers of California, will share some of the more interesting facts about our local conifers. Of course his book will be available, and he’ll be pleased to sign it!
  Sunday, November 7, 2 p.m.
Free with Garden admission

NOTED AND LESS KNOWN GARDENS IN LOS ANGELES
This Garden-sponsored tour will visit the lush UCLA campus gardens: the Mildred Mathias Botanical Garden, the Sculpture Garden and the Hannah Carter Japanese Garden. Not far away is the fabulous new Getty Museum, with its intriguing garden.
Add to that La Canada’s Descanso Gardens and the San Marino complex of the Huntington Library...and there’s lots to see and do! This exciting trip will be escorted by Roger Raiche, UCBG horticulturist. Please call for information and a detailed itinerary.
  November 9-10
Members only: $350 (not including air fare)

COMING EVENTS - Mark Your Calendar

FAMILY HOLIDAY FLORAL CRAFTS PROJECTS
Sunday, December 5, 1-4 p.m.

WREATH-MAKING WORKSHOPS
Monday, December 6, 7:00 - 9:00 p.m.
  Wednesday, December 8, 7:00 - 9:00 p.m.

HOLIDAY PLANT SALE, Saturday, December 4, 10 a.m.-2 p.m.

POLAR BEARS 2000
In September 2000, the Garden will sponsor a rail trip through muskeg and taiga from Winnipeg to Churchill, Manitoba, on the shores of Hudson Bay. Churchill attracts the largest accessible congregation of polar bears in the world! Join us for this once-in-a-lifetime spectacle!

For information about any of these events call Nancy Swearengen 510-643-1924

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

Plants are for sale at The Garden Shop all year 510-642-3343