



the BULLETIN

A quarterly publication of the Arboretum Associates

Spring 2008 Vol.32, No.1

What's the buzz about bees?

Ann K. Fathman

As you walk through the native plant garden at the Arboretum, look closely at the California poppies, and you may see bumblebees, honey bees, sweat bees. Look at the native sunflowers, and you may find even more kinds of bees. These bees and the more than 1,600 native species of bees in California are among the most important pollinators in the world. In California, 85 to 95 percent of native flowering plant species depend on bees for pollination. These bees pollinate

almost all of our wildflowers and about one-third of our vegetable, fruit and nut crops. Today, as wild lands disappear, there is less habitat for the bees, but research suggests that gardeners can play a role in helping provide habitat for these 'prolific pollinators'.

Gordon Frankie, an entomologist and professor at UC Berkeley, has been trying to learn more about this bee population and what plants they prefer. Frankie, a specialist in bee behavior, has studied bee diversity and frequencies of bees for over 10 years. His Urban Bee Project has been documenting bee populations at several California sites where he and his students are learning about which flowering plants attract native bees and how urban gardens support bee populations. His group has identified more than 80 species in Berkeley, and Frankie thinks that even more may be identified in Santa Cruz with its wide diversity of plants.

Frankie's research focuses mostly on native bees, but non-native or exotic bees are included in his counts. Native bees such as bumble bees and leaf cutter bees have evolved with their native plant hosts and have always been in California. Non-natives, such as the honeybee, have been

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Honeybee (*Apis mellifera*) visiting *Erica*. Photo by former Arboretum employee, Mark Oatney, www.oatney.com



Artwork by Edna Vollmer

Butterfly Monitoring Project Report, 2007

Thanks to a small group of dedicated volunteers, especially Edna Vollmer, the Arboretum has had its butterfly populations monitored every week from early spring to November for the last four years. Comparative data for the past four seasons are presented in the table below. Butterfly counts this last spring were delayed until May 16th due to heavy and late rains.

The 2007 season saw a near return of total butterfly numbers counted in 2005 after considerably fewer counts in 2006. A few more species were encountered in 2007 (25 species) over 2006 (21 species). Unlike the 2005 season, where weekly average counts were nearly 56 butterflies, 2006 saw a reduction in the total number of species encountered (29 in 2005, 21 in 2006) and the numbers of most species were lower overall except for the Common Ringlet (223 in 2005, 140 in 2006). Most of the species not encountered in 2006 were species only infrequently recorded in previous years. If you would like to take part in this interesting work please contact Linda Willis or Edna Vollmer for information.

chart on page 5



2008 Arboretum Volunteer Appreciation Luncheon

Dried Flower & Succulent Wreath Sale; a Great Success!

Last Fall, the Arboretum held a two-day sale of one-of-a-kind, hand-made wreaths and decorations in time for the holidays. Live succulent wreaths and plants were also offered. Without a chance to catch a breath, all of the succulent wreaths and most of the dried wreaths sold out. More than \$10,000 was raised to support the Arboretum. A special Thank You to the volunteers and staff who helped with this grand success. Norrie's also enjoyed a busy weekend during the sale.

Patrick Elvander Taxonomy Trail Ready for a Visit

With generous support from the Stanley Smith Horticultural Trust, gifts from Arboretum Associates members, and students and colleagues of Patrick Elvander, the permanent signs are in place alongside the Patrick Elvander Taxonomy Trail on the World Tour. The trail passes through the major gardens at the Arboretum. The attractive, aluminum signs present horticultural and conservation information on the plant and its plant family designed to be of interest to visitors and students. An accompanying brochure, designed for plant taxonomy students, has information about identification and classification of plant families. Plan a walk along the Taxonomy Trail on your next visit and learn about plant families.

California Department of Parks and Recreation and the Arboretum: Working Together

The CA Department of Parks and Recreation is working with the Arboretum to harvest seed and then grow 120,000 coastal plants to be transplanted into a revegetation project on the north side of Laguna Creek. This area is being restored to convert existing agricultural land to native vegetation. The seeds were harvested last fall and this winter and are now sown in easily planted tubes. The project requires extensive protected space for growing the seedlings. The Long Marine Lab and the Center for Ocean Health, through the Ecology and Evolutionary Biology Department, allowed us to occupy large poly houses for this work down near the Long Marine Lab. Francis Campbell is expertly managing this project. The 18-month contract is the type of work the Arboretum expects to be increasingly involved in as regional needs for the expertise increases. Support from this contract allows the Arboretum to establish a long-term seed storage facility to clean and process the seed. This facility provides low-temperature and low-humidity conditions for seed storage necessary to establish a repository of collected native and accessioned collection seed.

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[http://www.library.ucscarboretum.org/
openbiblio/opac/index.php](http://www.library.ucscarboretum.org/openbiblio/opac/index.php)



Dear Arboretum Friends,

More than 95 Arboretum volunteers attended the annual Volunteer Appreciation Luncheon on February 13th. Hosted by Arboretum staff, these gatherings are our opportunity to thank all of the Arboretum's volunteers for the tremendous contribution each make to the operations of the Arboretum. On average, volunteers at the Arboretum provide 750 hours of service each month in all aspects of the Arboretum from running Norrie's to making dried wreaths to propagating plants for the collection and sales. This level of volunteer support is the same as five, full-time employees! We really could not accomplish all that we do without the generous support of our volunteers. Thank you to all who give their time to help the Arboretum. We all had a great time celebrating at the luncheon.

I mentioned in the last issue how challenging it is for the Arboretum to raise basic operational support and showed the specific changes we are making to bring in more revenue and cut costs. The Arboretum has done an outstanding job controlling our expenses and in raising support through grant opportunities and

gifts from donors. Some proposals are still being decided on. Despite our best efforts and without additional support from the UCSC, we are still struggling to cover costs of maintenance and upkeep of the collections. To make matters worse, the crisis within the California state budget is forcing the UC and UCSC to look where additional cuts can be made to address the proposed 10% budget cut across all state entities. Although the Arboretum only receives a fraction (12%, one salary) of our support from the state budget through the UCSC, even this funding may be eliminated forcing additional burden and pressure on the Arboretum. We are doing all we can with grant writing, raising revenue, and working with donors in the hope that sufficient funds can be raised and we can continue to flourish and move forward with our exciting future development plans. Every bit of support helps and any amount of gift Arboretum Associate members can provide is greatly appreciated. The Arboretum truly needs your help now.

I recently returned from a near three-week trip to New Zealand to gather first-hand information and observations on how the light brown apple moth (LBAM) is being controlled there, more than 100 years after its introduction to New Zealand from Australia. The report on the findings of this trip will be used to develop alternative methods to the experimental aerial sprayings planned for the ten counties in California where LBAM has been located. While in New Zealand, I met with collaborators and colleagues to discuss the Arboretum's upcoming collection trip there in March and April that will be led by Brett Hall. With the benefit of permits to collect in protected areas from the New Zealand

Department of Conservation (DOC), Brett and his team will work closely with nursery owners and DOC staff to gather cuttings and seeds to help build the New Zealand collection at the Arboretum. Expect a report on this trip in an upcoming issue of the Bulletin. Many of the plants collected in New Zealand by Tom Saucedo, Rick Flores, and me in late 2006 are now planted out in the garden. During this last visit I gathered nearly 20 species of ferns as spores and was provided nearly 35 species as seed for adding to our collections. Plan a visit and see these wonderful additions to our collections and display.

Despite overriding issues of support and funding keeping us all occupied and concerned, opportunities to maintain and grow our collections and to collaborate continue. As a collection, our value to human society and global conservation is in the viability of our rich plant collections and the expert knowledge of Arboretum staff. As climate change is realized and loss of biodiversity and habitat continues, the importance of botanical gardens like the Arboretum will increase to mitigate these changes and conserve the greatest diversity of plants. Working with people from our community, we benefit from the diversity and depth of experience within each volunteer and Arboretum Associates member. Only through working together can we meet the immediate goal of raising sufficient support to maintain these collections and also continue to address the long-term goal of contributing to global efforts to conserve plants.

Thank you for your continued support. As always I appreciate hearing your thoughts and comments.

Buzz about Bees... (cont'd - p. 1)

introduced by people, who imported them to America from Europe many years ago. Native bees, which are mostly solitary, build individual nests often in the ground rather than living in colonies; they don't produce honey, but they pollinate most of our wildflowers.

The native plant garden in the Arboretum is an ideal site for Frankie's research because the garden has a wide variety of native plants that are planted

in clusters. Working in collaboration with Brett Hall, Frankie has started to identify the bees found in specific native plant patches. Last year his group took samples monthly by placing traps among these native plants and in other parts of the Arboretum. Baseline data have now been collected showing what types of bees are associated with which plants. Robbin Thorpe, professor emeritus of entomology at UC Davis, is identifying the kinds

of bees found. Once bee numbers and types are determined, plants are divided into three categories depending upon the number of bee groups found. For example, poppies are restricted in number of bee species found, sunflowers diverse, and rosemary very diverse. In three years, Frankie and his students will return to collect more samples to determine what

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A Thank You, and A Timely Appeal

A Thank You...

to those of you who responded to the fall appeal letter from Peggy Williams, President of the Arboretum Associates, asking for your gift support to help raise the base of annual support for the Arboretum's operations. Over \$100,000 was raised, about a 10% increase over last year, thanks to many of you who were able to increase your support, which will be very helpful toward building our base of annual operations support.

A Timely Appeal...

to the rest of our members to please respond to the spring appeal letter you will soon receive asking for your support, so that the Arboretum can be assured of needed funds for its basic operation.

We Make This Second Appeal Now...

because we are over half way towards raising the \$180,000 in member support that we raised last year. Support from memberships and gifts follow much the same pattern each year. About half of our support from members comes in during the fall, and the other half comes in during the spring. Members usually renew their memberships and make additional gifts at about the same time each year.

Everyone's Support is Important...

and we hope the spring appeal will be equally successful in raising a second \$100,000. Reaching \$200,000 would be a huge success, representing a 10% increase in support over last year, and giving the Arboretum a critical boost in its basic operating revenue which covers staff salaries and all of our current programs.

So Thank You, again...

For your past membership and gift support, and, in advance, for your continued support in helping us reach this year's goal.

Tad Sterling – Development Director – (831) 427-2998 – sterling@ucsc.edu



Community of Friends Membership Program

MEMBERSHIPS

Poppy \$35 (1 adult card)
Individual, Senior, Student

Salvia \$50 (2 adult cards)
Dual, Family

Basic Benefits for Poppy & Salvia:

- 10% discount at local nurseries/ garden centers (see list on p. 12)
- Rose Hand's book, *The UCSC Arboretum in Pictures*
- Priority entrance to plant sales
- Discount on lectures & events
- Quarterly *Bulletin*
- Recognition in the *Bulletin*
- 10% discount at Norrie's (including plants)
- Invitation to Members-only events
- Invitation to Member orientation

Life \$2,500 (up to 2 cards)
All the benefits as above, plus—
• Protea Circle benefits for 1 year

GIVING CIRCLES

Kauri Circle \$100–\$499
• Basic membership benefits for 1 year, plus—
• One transferable Guest Pass for priority entrance to plant sales
• Coupon for one plant

Banksia Circle \$500–\$999
All the above, plus—
• One additional Plant Sale Guest Pass
• Invitation to exclusive Curator events and field trips

Protea Circle \$1,000+
All of the above, plus—
• Two additional Plant Sale Guest Passes
• Invitation to the Director's Dinner

SPECIAL PROJECTS YOU CAN SPONSOR!	SPONSORSHIP LEVEL
Aroma Garden Renovation	\$1,000
Front Entrance Gate and Wall	\$1,000
Elvander Taxonomy Trail Signage NEW	\$500
New Native Garden Planting Beds	\$500
New Paths in Native Garden	\$1,000
Hummingbird Trail Signage & Interpretation	\$250
New World Tour Trail Signage & Interpretation	\$250
Production of 6-Panel Visitor's Guide & Map	\$250
Sponsor a Student Intern	\$500
Succulent Greenhouse Improvements	\$500
Sponsor an Issue of the Bulletin	\$250
Nursery/Growing Area Improvements	\$250
Cutting Garden Shade Hut & Work Area	\$250
Succulent Garden Renovation	\$500
Memorial & Tribute Benches	\$3,500
Curator Discretionary Funds (for Australia, South Africa, New Zealand, Native California, Rare Fruit, Succulent Garden, and the Nursery)	\$100

2008 Spring Plant Sale Preview

Come check out the Arboretum Spring Plant Sale for a selection of, unusual plants you won't find anywhere else. Staff and volunteers will be on hand for advice and to answer questions. Featured this spring is *Hakea scoparia*, a winter-blooming shrub with dense clusters of pink flowers and very sharp needle-like leaves. It is a large shrub, thrives in full sun, and is drought and frost tolerant once established.

If you're looking for a special tree to plant, try *Hymenosporum flavum*, or native frangipani as it is known in Australia. It has shiny, dark green leaves, and blooms in early summer with very fragrant, creamy-white flowers that darken to yellow with age. For a smaller shrub, try *Leucadendron muirii*. Growing 3 or 4 feet in both height and width, this plant has reddish stems with thick, succulent, leathery leaves that are shaped like little oars. Attractive olive-shaped, silver-grey cones adorn this plant. A new vining shrub from our Koala Blooms plant introduction program will be offered for the first

time: *Aphanopetalum resinosum* 'Gossamer Wings' has deep glossy green foliage and reddish new growth. Abundant greenish-yellow flowers decorate this plant from late winter to early summer.

The sale is on Saturday, April 19th in the Arboretum's Eucalyptus Grove. It is open from 10-12 to Arboretum and California Native Plant Society members and from 12-4 to the general public.

Look for a complete plant sale list on our web site by April 5 at arboretum.ucsc.edu

Until that time, here is a short list of what you can expect to find:

Adenanthos sericea
Arctostaphylos nummularia 'Bear Belly'
Arctostaphylos pajaroensis 'Brett's Beauty'
Banksia grandis
Banksia spinulosa
Beaufortia heterophylla
Callistemon 'Cane's Hybrid'
Ceanothus gloriosus 'Heart's Desire'
Daphne odora
Grevillea sericea
Fremontodendron 'Pacific Sunset'
Isopogon formosus
Leucadendron argenteum



Hakea scoparia

Leucadendron discolor 'Pompom'
Leucospermum cordifolium
 — various colors and hybrids
Penstemon pseudospectabilis
Prostanthera ovalifolia
Prostanthera 'Poorinda Bride'
Protea X 'Pink Ice'
Salvia spathacea
Ugni molinare
Hakea scoparia

Leave a Legacy for the Arboretum's Future

What better legacy is there to leave than your commitment to help preserve the Arboretum's collections and programs for future generations? Please consider including the Arboretum in your estate plans. There are a number of planned gift options that can provide lasting support for the Arboretum, and can also provide financial and tax benefits for you.



Australian Garden

Please call Tad Sterling at the Arboretum Office at (831) 427-2998 to get additional information.

Butterfly Monitoring Results 2004 – 2007

Common name (Latin name)	Occurrence			
	2004	2005	2006	2007
Anise swallowtail (<i>Papilio zelicaon</i>)	1	0	0	0
Western tiger swallowtail (<i>Papilio rutulus</i>)	5	5	4	46
Pale swallowtail (<i>Papilio eurymedon</i>)	2	2	0	0
Cabbage white (<i>Pieris rapae</i>)	75	254	130	173
Orange sulphur (<i>Colias eurytheme</i>)	1	71	5	4
Gray hairstreak (<i>Strymon melinus</i>)	6	0	0	1
Spring azure (<i>Celestrina ladon</i>)	4	17	0	2
Silvery blue (<i>Glaucopsyche lygdamus</i>)	0	1	0	0
Acmon blue (<i>Plebejus acmon</i>)	10	102	23	62
Callipe/Coronis fritillary (<i>Speyeria</i> sp.)	1	1	2	7
Field crescent (<i>Phyciodes campestris campestris</i>)	0	1	0	1
Mylytta crescent (<i>Phyciodes mylytta</i>)	34	163	28	307
American lady (<i>Vanessa virginiensis</i>)	3	11	2	4
Painted lady (<i>Vanessa cardui</i>)	4	141	8	1
West coast lady (<i>Vanessa cardui</i>)	2	22	4	7
Red admiral (<i>Vanessa cardui</i>)	2	3	0	0
Common buckeye (<i>Junonia coenia</i>)	24	807	49	194
Lorquin's admiral (<i>Limenitis lorquini</i>)	10	3	8	28
California sister (<i>Adelpha bredowii</i>)	2	1	1	15
Common ringlet (<i>Coenonympha tullia</i>)	109	140	223	364
Common wood-nymph (<i>Cercyonis pegala</i>)	6	5	15	24
Monarch (<i>Danaus plexippus</i>)	10	13	13	24
Mourning duskywing (<i>Erynnis tristis</i>)	2	4	4	2
Common checkered skipper (<i>Pyrgus communis</i>)	18	8	4	8
Northern white skipper (<i>Heliopetes ericetorum</i>)	1	2	0	2
Fiery skipper (<i>Hylephila phyleus</i>)	5	2	0	5
Sachem (<i>Atalopedes campestris</i>)	1	3	4	7
Common branded skipper (<i>Hesperia comma</i>)	27	0	2	0
Woodland skipper (<i>Ochlodes sylvanoides</i>)	11	10	2	8
Umber skipper (<i>Poanes melane</i>)	39	21	21	44
California tortoise shell (<i>Nymphalis californica</i>)	0	1	0	0
Mourning cloak (<i>Nymphalis antiopa</i>)	0	1	0	0
Total Butterflies	415	1815	552	1340
Total Species	28	29	21	25

Another Peak at the Andes

I made my second trip to Perú in October 2008. I lost no time getting started once I arrived. The second day after landing in Lima found me on a bus to the Lomas de Lachay. Lachay is a unique biome with seasonal, fog-moisture-induced growth. I was there at the peak of lush bloom. The walk from the ocean into the lomas, the hills, took about four hours. Every step toward the hills brought more and more vegetation. Flowers, bees, birds and small animals crowded the paths. In a month it would all be brown, then the winds would sweep it away. A true natural wonder.

Three more trips to areas nearer Lima were all stunning and unique. The major expedition meant a 14-hour overnight bus trip to Cajamarca, in Cajamarca state in northern Perú. I spent three weeks in that state, traveling from high windswept alpine areas to hot desert valleys. I found and photographed hundreds of interesting plants. I feel humbled by the extraordinary beauty and majesty of the land. I had many difficult and exhausting days, walking and climbing 12 hours at a time. I loved every moment spent there. What I liked, above all, were the people — intelligent, grounded and aware of the rich heritage that is their human legacy. I am eager to return and bring back more seeds, photos and stories. More photos, tales and some videos will be available at my website: www.cuyoso.com



Delostoma lobbii, Photo by Patrick Worley

During a day-long trip near Celendin, while descending into a dry valley, I discovered an interesting and startling species in the Bignoniaceae, *Delostoma lobbii*, pictured here. The face of the flower is about 9 cm across, and the tube 12 cm deep. The plant was a small shrub, about 1 meter high, and nearly leafless. This is a hummingbird-pollinated plant. I found other specimens about 100 miles away that were bright orange with yellow throats and others dark rose pink with white throats.

— Patrick Jesse Worley

Note: See calendar for information on this potluck.

Got E-Mail?

We do, and we're hoping to stay in touch better by using it. If you would like to receive the *Bulletin* and/or once per month e-mails on events and announcements, send an e-mail to Susie Bower at susiehb@ucsc.edu or phone her at 427-2998 (voicemail x102). We will not sell or distribute your e-mail address.



gumweed, and many others. Suggestions are given for planting large patches of similar flowers and choosing a wide variety of flowers that bloom at different times of the year so that there are pollen and nectar resources for seasonal bees. This valuable guide provides a wealth of information for gardeners, teachers and other urbanites interested in gardens that encourage bees and other flower visitors. For more information please visit nature.berkeley.edu/urbanbeegardens.

Bees are not only invaluable resources for agriculture in fruit and vegetable production, but can be effective in improving home gardens. The Arboretum can make important contributions by recognizing the role that native bees play in the native plant garden and by determining ways to promote the relationship through signage, workshops, speaker programs, or displays that illustrate the importance of pollinators. The Arboretum is not only a place for preserving plants, but also is a place for studying and preserving the native "star" pollinators of plants.

Buzz about Bees... (cont'd - p. 3)

changes have occurred in bee populations over time. He is interested in determining the effect on bee populations of planting diverse native plants and hopes to learn how the native plant garden in the Arboretum compares to urban gardens in Santa Cruz.

Frankie notes that we are losing our star pollinators so it is important to try to do something on an individual basis. Planting native plants in our gardens is one answer. Frankie says, "Urbanites can have a positive role in providing habitat

for bees right in their home gardens or in their community gardens if they choose to do so." They can't restore the destroyed habitat of native bees, but they can help support the bees.

The Urban Bee Project website gives tips for attracting native bees in home gardens. It provides "a guide to introducing the world's most prolific pollinators into your garden". The website gives the names of a wide variety of native and non-native plants that attract bees such as dandelion, calliopsis, sunflower, sage, coyote mint,

Calendar of Events

Arboretum at
UCSC

Spring 2008

March 2008

PERÚ — A PEAK AT THE ANDES
Thursday, March 27, 7 pm

Arboretum Visiting Scholar Patrick Worley returned to Perú in October of 2007, and was finally able to gather seeds of the plants he had seen in bloom back in May. He will give us more of his wonderful tales and pictures. Potluck supper at 6 pm precedes the talk. Free! but donations gratefully received!

April 2008

ARBORETUM ASSOCIATES BOARD MEETING
Wednesday, April 2, 5 pm

ARBORETUM SPRING PLANT SALE

Saturday, April 19

Members 10 am to 12

General Public 12 to 4 pm

With the CNPS in the Eucalyptus Grove. Memberships at the gate on sale day. Arboretum plant list on-line April 5.

May 2008

ARBORETUM ASSOCIATES BOARD MEETING
May 7, 5 pm

BAMBOOS FOR THE CENTRAL COAST

Saturday, May 10, 10 am - 4 pm, AND

Sunday, May 11, 10 am - 2 pm

Join Karl Bareis, internationally recognized expert on bamboo and Japanese landscape architecture, for a 2-day workshop on bamboo culture, history and uses. Saturday class will be at the Arboretum, and Sunday will be a field trip to an area garden, and a hands-on pruning workshop. Proceeds from class benefit the Arboretum. Limited to 20.

Register by calling (831) 427-2998.

\$85 for Arboretum Members

\$100 for General Public

SPRING PLANT SALE

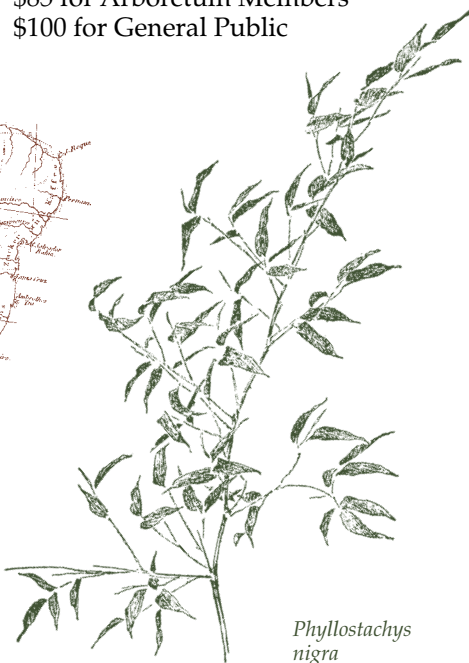


*Dendromecon
harfordii*

**Saturday
April 19**

**10 am - 12
Members
12 - 4 pm
Public**

The sale will be in the Arboretum's Eucalyptus Grove, on Empire Grade near the intersection of Western Drive, on the edge of the UC Santa Cruz Campus. Memberships for both organizations will be available at the gate on the day of the plant sale. The Arboretum plant list will be available by April 5 on our website:
<http://arboretum.ucsc.edu/>



*Phyllostachys
nigra*



FIRST SATURDAY OF THE MONTH
TOURS OF THE ARBORETUM AT 11 AM
April 5, May 3, June 7, July 5, August 2

Meet at Norrie's Gift Shop. Join our dedicated staff and docents for a look at what's in bloom around the Gardens. **\$3 Public. Free for Members.**



nursery discount program

Arboretum Associates can enjoy 10% discounts on plants (and sometimes on related merchandise) at the following nurseries:

Drought Resistant Nursery

850 Park Ave., Monterey, CA 93940 • (831) 375-2120

Elkhorn Native Plant Nursery

1957B Highway 1, Moss Landing, CA 95039 • (831) 763-1207

3621 Main St., Soquel, CA 95073

Garden Company

2218 Mission St., Santa Cruz, CA 95060 • (831) 429-8424

Golden Nursery

1122 Second St., San Mateo, CA 94401 • (650) 348-5525

Hidden Gardens Nursery

7765 Soquel Dr., Aptos, CA 95003 • (831) 688-7011

Ladera Garden Center

380 Alpine Rd., Menlo Park, CA 94028 • (650) 854-3850

Pottery Planet

2600 Soquel Ave., Santa Cruz, CA 95062 • (831) 465-9216

Lumbermens Garden Center

235 River St., Santa Cruz, CA 95060 • (831) 423-0223

Sierra Azul Nursery

2660 East Lake Ave., Watsonville, CA 95076 • (831) 763-0939

Surf City Growers

1975 Cox Rd., Aptos, CA 95003 • (831) 688-1088

And, of course,

Norrie's Gift Shop *at the Arboretum.*

Printed with soy inks on recycled paper

*The **Arboretum** at UC Santa Cruz is a living museum **inspiring** stewardship of the world's biodiversity through research, **education**, and the **conservation** of rare, endangered, and **extraordinary** plants.*

Moving? Please let us know the address of your next garden... Thanks

Norrie's Gift Shop at the Arboretum at UCSC

we are decked out for spring with great gift ideas.



10am - 4pm • 423-4977

Show your current membership card for 10% off!

**Come see our growing selection of plant-related books
& many new items for you and your gardens.**

356

UC Santa Cruz

Arboretum

1156 High St.

Santa Cruz, CA 95064

Forwarding Service Requested

Non Profit Org.
U.S. Postage
PAID
Santa Cruz, CA
Permit No. 32

The Arboretum is open daily from 9AM-5PM.

Norrie's Gift Shop is open daily 10AM-4PM

The Jean & Bill Lane Library is open by appointment.

Visit the Arboretum's website at: **arboretum.ucsc.edu**

For information, or if you have any disability-related needs, call

(831) 427-2998 or fax us at (831) 427-1524.