



the BULLETIN

A quarterly publication of the Arboretum Associates

Winter 2012 Vol.35, No.4

California Naturalist Program Begins on April 7!!!

The Arboretum is offering a new California Naturalist Program in collaboration with University of California Cooperative Extension (UCCE). It is a certification program to develop naturalist skills to promote stewardship of California's natural communities. The Arboretum is working with UC Cooperative Extension to pilot the California Naturalist Program, offering our own central coast version. The curriculum is rich and the instructors are experts in their respective fields. The experience overall will provide deeper understanding and appreciation of our interdependence with nature and the imperative need for conservation in our world today. Upon completion, participants will be certified as California Naturalists and offered special opportunities with area parks, organizations, and research.

The program runs 10 weeks, from April 7 – June 16, and meets twice a week on Thursday evenings at the Arboretum and weekend day field trips to natural areas. The California Naturalist certification process involves a capstone volunteer project and access to follow up citizen science projects. Additional classes, lectures, workshops and field trips will be provided as optional enrichment for participants at a discounted rate. The cost for the 10-week California Naturalist certification program is \$300. There will be a limited number of scholarship discounts available.

You can register through the main office in the Arboretum by calling 831-427-2998 and make inquiries to arboretum@ucsc.edu. Your host for the Arboretum

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Ray Collett 1932 – 2012



Ray Collett, our beloved founding Director, professor, mentor, rabble-rouser, prod, and sometimes a father figure, died peacefully early Wednesday morning, February 22, in the Arboretum residence surrounded by his amazing plant collections and loving Arboretum extended family. He was lucid and good-natured to the very end, visiting with former students, friends, colleagues and then, he gently slipped away.

Up until almost two weeks before his death he was walking around and fending for himself. In his very last days he was still trying to overcome cancer through his special diet of natural foods, fruit and vegetable juices along with the highest quality supplements available. It worked for nearly 14 years as he had managed to extinguish his cancer to undetectable levels. He especially loved Acai-berry juice and arranged to get the rest of us hooked on it in his final days. "It's really good," he would say, and we would reply, "Ray, but what about food, don't you want some food?" "Acai juice is food," he would say, "It has a long list of ingredients." And of course, Staff of Life was his absolute favorite food store on earth!

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Xerophyllum tenax, bear grass, exuding wonderful honey-like fragrance with musty undertones.
Cindy Hudson, Bonny Doon Ecological Reserve.

Spring Plant Sale



Grevillea 'Mason's Hybrid'

Here are some of our featured plants for this sale:

Grevillea 'Mason's Hybrid'

This is a large shrub from Australia that grows to 6' x 6' with large 6" orange reddish flowers throughout most of the year. It can be grown in full sun to light shade, is tolerant of temperatures to 25°F and is drought tolerant once established. It's a good specimen plant or hedge and can be grown in a container. It responds well to pruning and the flowers attract hummingbirds and bees. Look for it growing at the top of the Arboretum road just as you turn left to the Horticulture buildings.

Erica speciosa

This 3' shrub has clusters of tubular bright red flowers with green tips. It has small needle like bright green leaves and is in bloom from fall through the spring. It is best grown in a sunny location in slightly acidic soil with good drainage. It attracts hummingbirds.

Boronia heterophylla

Red Boronia

This compact upright shrub grows 5' tall and 3-4' wide. It blooms in the spring with masses of long lasting bell shaped magenta flowers. It is best grown in partial to full shade and requires regular water and needs its roots kept on the cool side. Mulching is good and regular watering during the summer will keep it alive. This Australian plant makes a good cut flower.

Leucospermum 'Spider'

This is a hybrid pincushion plant from South Africa growing 6' tall by 6-8' wide. In late spring and summer it has abundant multicolored pastel peach flower heads. It requires full sun and well-drained soil. It is drought tolerant once established and hardy to the low 20s°F. The long stems and showy blossoms make it a great cut flower.

Berberis pinnata ssp *insularis*

'Shnilemoon'

This California native plant is an Arboretum plant introduction from Santa Cruz Island. It grows 7 to 8' tall and spreads to 10' or more. It has billowy clusters of round yellow flowers in late winter to early spring, followed by berries. It has shiny smooth green leaves with bronze tinged new growth. This barberry has no barbs. It can be grown in sun or light shade and is drought tolerant once established.



Leucospermum 'Spider'

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Leucadendron 'Safari Sunshine'

Also known with the cultivar name 'Jester', this really colorful shrub has variegated foliage in shades of reds, yellows and greens. It grows 4-5' in height and width and flowers in winter to early spring with showy red bracts. It is best grown in sun in well draining soil, is drought tolerant once established and responds well to pruning. The foliage is good for cutting.



Sarracenia leucophylla

Sarracenia leucophylla and hybrids

These carnivorous plants are bog plants that are best grown in full sun to partial shade. During wintertime when they are dormant, full shade is fine for them. Grow them in moist acidic soil that doesn't contain a lot of nutrients such as a mixture of peat moss, perlite and coarse sand. They should be watered with rain or distilled water as municipal water supplies are often too alkaline for good health.

Echeveria 'Celedon'.

This is a hybrid developed by the late Bob Grim of San Jose. A few plants have been propagated and traveled around the world, but it is only being formally named now. A photo of the hybrid of what was originally known as

Echeveria albicans X *lindsayana*, has appeared in the "Echeveria Cultivars" book by Schulz and Kapitany. Bob approved of the suggestion of the possible new name last spring.

– Helen Englesberg



Berberis pinnata ssp. *insularis* 'Shnilemoon'

Front Gate and Two Errant Drivers

About five years ago, when the future looked rosier, we had a fund-raising effort to replace an aging, damaged front gate. The fund-raising for the gate was successful. Then, about a year ago, an irresponsible or impaired driver, perhaps mistaking the Arboretum for the west entrance to campus, drove into our closed gate and destroyed the bases of the posts holding it up. Arboretum Associates President, Mike Gerhold, said many times that he feared after opening the gate some morning he'd be found later trapped under the fallen gate. With no sign of the hit and run driver to fund the repairs, we honored the wishes of the initial donors and replaced the gate. The gate is powered to open and close by a solar powered motor, which is quite nice, especially for those of us who have had to open the previous hulk for so long! At the moment, the fence along both sides of the gate is still unfinished but will soon begin taking form. Following rebuilding the fence, we will be enhancing the landscaping at the entrance as well.

Just after the gate was completed another hit and run driver, evidently coming down Empire Grade, traversed the center line, through the oncoming lane, through the plantings, almost to where they would have demolished our low sign. The plantings will be repaired, hopefully financed by the driver who left a license plate at the scene of the crime.

During this time of fiscal austerity, we want to be sure folks understand that the old gate was not only a terrible sight, but a danger to our staff, patrons, and volunteers. The funds were specifically given for the front gate and fence repairs, not for gardening salaries. The finished product will hopefully encourage more visitors to view the entrance as inviting and welcoming. We believe the new look will eventually help pay for itself through the increased number of visitors, customers, and donors who come through the gate. Thank you to all who generously donated time and money for this project.



Arboretum FUN(D) Raiser

Tuesday, March 20, 2012

— 5:00-8:30pm

(the first day of Spring!)

Do you want to help the Arboretum?
Do you want to get better acquainted with your Arboretum Community?
Looking for a way to share your talents?
Come join us for the 1st Arboretum FUN(d) Raiser!

Mark your calendar for March 20 (the first day of Spring!), 5:00-8:30pm
5:00-6:00 Check in, then Enjoy the Garden
6:00-7:00 Dinner
7:00-8:30 Entertainment & Auction
See you there! Bring your friends!!!

• We all bring the fun.

Bring a dish to share & whatever you would like to drink. In addition, please bring ONE of the following:

1. \$10 per person
2. Something for the Auction Table (you set the starting bid.)
3. Entertainment

Ideas for the Auction Table: plants, services, artwork, you name it!

Ideas for Entertainment: music (anything that doesn't require special setup), skits, plant talks (short & entertaining), poetry, dance... Surprise us!

For more info: Email Melinda Kralj - mkralj@ucsc.edu



California Naturalist Program (cont'd - p. 1)

California Naturalist Program is Arboretum Director, Brett Hall. Questions about the program can be directed to Brett by calling (831) 212-4853 or emailing brett@ucsc.edu. Visit the Arboretum California Naturalist Page at arboretum.ucsc.edu/education/UCCNP/ for ongoing updates of information on the program and additional offerings. The UCCE California Naturalist Website is ucanr.org/sites/UCCNP/.

UCSC Arboretum California Naturalist Program Spring 2012

Thursday evenings 7 - 9 pm

Saturday and Sunday field trips will generally start at 9 am. Duration variable but plan on early afternoon ending for most. Specific information on length will be available soon.

Saturday, April 7: Optics and Nature. Honing your Observational Skills with Binoculars, Hand lenses and Dissecting scopes. Learning to use these tools properly is the foundation of your natural history education. Ken Kellman, Independent Naturalist, Field Associate, California Academy of Sciences.

Thursday, April 12: Introduction to the California Naturalist Program. Adina Merenlender, Professor of Environmental Science, UCB and Chris Lay, Director, UCSC Natural History Museum.

Saturday, April 14: Introduction to Bryophytes. An introduction to a much overlooked group of plants. Ken Kellman, Independent Naturalist, Field Associate, California Academy of Sciences. Waddell Creek State Park.

Thursday, April 19: Behavioral Ecology of California Birds. We will explore the natural history of California birds in the context of evolutionary ecology and adaptation to different environments. Bruce Lyon, Professor of Ecology & Evolutionary Biology, UCSC (associated field trip on April 29 optional).

Friday, April 20 (or 4/21 or 4/27 – each section limited to 10. Participants choose one date): Birding Observations and Interpretations. By merely watching/listening, what can we learn about birds' lives and how does this square with "science"? Todd Newberry, Professor Emeritus, Biology.

Thursday, April 26: Geology, Soils and Climate. The Earth does not belong to us, we belong to the Earth. Despite our artistic expressions, sophistication, and our many accomplishments—we owe our existence to a six-inch layer of topsoil and the fact that it rains. Gary Griggs, Distinguished Professor of Earth Sciences, Director, Institute of Marine Sciences, UCSC.

Saturday, April 28: Geology Field Trip to local geology hot spots. Gary Griggs "Nature is not a place to visit, it is home" – Gary Snyder.

Sunday April 29: Behavioral Ecology of California Birds Field Trip (optional). Bruce Lyon.

Thursday, May 3: Collaborative Conservation – The Amah Mutsun Tribal Band and the Cultural Landscapes of the Monterey Bay. Chuck Striplen will introduce you to the Mutsun – host Tribe to UCSC and the City and County of Santa Cruz, and will discuss their cooperative research and conservation activities with UCSC, State Parks, National Parks, and a new vision for Tribal co-management in the 21st Century. Chuck Striplen, Associate Environmental Scientist, San Francisco Estuary Institute; Member and Science Adviser, Amah Mutsun Tribal Band.

Saturday, May 5: Plant Communities and Botany of the Central Coast— 1. Understanding vegetation as part of the ecosystem. Brett Hall, UCSC Arboretum Director and friends.

Thursday, May 10: The Nature of Plants. Ecology, Floristics and Evolution. A journey through the diversity and ecology of our unique California flora. Matt Ritter, Professor of Biology, Cal Poly State University.

Saturday, May 12: Plant Communities and Botany of the Central Coast—2. Focus on local biodiversity hot spots, rare plant communities and locally significant vegetation. Brett Hall, Arboretum Director; Michael Vasey, Environmental Studies Department, UCSC; Lecturer, Department of Biology, San Francisco State University.

Thursday, May 17: Mountain Lions and People in the Santa Cruz Mountains. Ever wonder how mountain lions behave around people? Chris Wilmers will discuss his current research project looking at the effects of human development on mountain lion behavior in the Santa Cruz Mountains. Chris Wilmers, Professor, Environmental Studies, UCSC.

Saturday, May 19: Nature Awareness and Mammal Tracking. Want to see the fox living in your backyard or at your local park? You'll need to develop the eyes of the owl and the ears of the deer. As modern humans, our sensory capabilities are vastly under-utilized and undeveloped. This field trip will introduce many practices any developing naturalist can use to extend their sensory awareness so that eventually they will start to observe more of what goes on in the woods. Chris Lay, Director, UCSC Natural History Museum.

Thursday, May 24: Forest, River, and Riparian Ecology—Natural History of Henry Cowell Redwood State Park. We will explore the diversity of ecosystems that make this one of the regional biodiversity hot spots. Fred McPherson, Biologist, Natural History Instructor.

Saturday, May 26: Field trip to Henry Cowell Redwood State Park. Focus on identification and common uses of forest and riparian plants. Fred McPherson.

Thursday, May 31: Ecology of Insects. Learn about one of the smallest, but most abundant and ecologically important groups of animals, the insects. We will discover the natural history of some of the major orders of insects and the important services that they provide for ecosystems and humans. Suzanne Langridge, Lecturer, Environmental Studies Department, UCSC.

Saturday, June 2: Insect Ecology Field trip. Learn about the major pollinators and common insects. Suzanne Langridge.



Jim West, identifying plants in a rare plant community along the northern Santa Cruz coast.

California Naturalist Program... (cont'd - p. 4)

Thursday, June 7: Natural History and Ecology of Amphibians and Reptiles. We will learn about local amphibians and reptiles that reside along the central coast and some of the conservation challenges this group faces. Gage Dayton, Director of Natural Reserves, UCSC.

Saturday, June 9: Field trip in Search of Reptiles, Gage Dayton.

Thursday, June 14: Hope for our Endangered Planet. We are facing a looming extinction crisis on Earth, a crisis largely of our own making and one that risks unraveling the rich tapestry of biodiversity that has sustained and inspired our species from its beginning. We will examine major threats to biodiversity and highlight many seeds of hope that are sprouting worldwide as people join together to prevent or at least reduce this danger. Michael Vasey, Environmental Studies Department, UCSC; Lecturer, Department of Biology, San Francisco State University.

Saturday, June 16: Final Field Day. Capstone presentations and pot luck lunch.



Local central coast botanists appreciating rare Fort Ord maritime chaparral

Additional Course Offerings:

Monday, April 9: Emerging Biological Field Methods: using new technologies to identify, map, and explore wild diversity. A workshop training Calflora tools by the Calflora staff, including Executive Director, Daniel Gluesenkamp, John Malpas and others.

Course Description:

This is more than just looking at pictures of pretty flowers on the Calflora website. Learn to use tools such as smartphone apps, GPS cameras, web-based tools and e-books to see. Recent years have seen great innovation in tools that give professional botanists and amateur naturalists new ability to identify plants in the field, precisely map plants, report beautiful or important discoveries, and explore diversity and distribution from mountaintop, desktop, or laptop. Unfortunately, tools can be duplicative, confusing, and often exaggerate their true utility –and who wants to be looking at their phone while they're outside enjoying wild California!? We all know there are great new tools available, but what really works, what is a waste, and how do we enhance our ability to botanize without wasting time focusing on gadgets?

This training workshop introduces participants to the diversity of technical tools available for exploring California's botanical diversity and helps them to understand their various uses. We'll review the range of tools, and then talk about using them to add rather than detract from our field experience. We will provide enough Android phones, iPhones, tablets, and GPS cameras to ensure that every attendee has the chance to get "hands on" and familiar with using these tools. All workshop attendees will receive a free Professional registration to Calflora, and will get to use these individual registrations to explore a range of exciting tools available through the Calflora website and electronic field tools. By the end of this class you'll be ready for your best spring wildflower season ever! 9:30am – 4:00pm.

Registration:

\$40.00 for full-time students and California Naturalist registered participants
\$65.00 for Arboretum Associates & CNPS members
\$100.00 for nonmembers

Sunday, April 22: The Art of Field Sketching. John Muir Laws, naturalist, educator/author and artist. This will be a day of sketching and art instruction to jump start you in keeping your own field journal or re-inspire you to pick up your sketchbook again. We will examine tricks and techniques to help you simplify a complex flower shape, draw wildflowers in perspective, and simple ways to add color to your drawings in the field. Bring paper and pencil if you have it, supplies will be provided for those who do not have their own. Participants are encouraged to bring colored pencils or a portable watercolor kit. 9:00am – 3:00pm.

Registration:

\$40.00 for full-time students and California Naturalist registered participants
\$65.00 for Arboretum Associates & CNPS members
\$100.00 for nonmembers

Friday May 25 and Saturday May 26: *Dudleya* of California. Using the new key in the Jepson Manual to identify *Dudleya* of California, a technical class for serious enthusiasts. Instructor, Stephen McCabe. Location: UC Santa Cruz Arboretum. Co-sponsored by the Jepson Herbarium at UC Berkeley and the UCSC Arboretum. Plants in this charismatic group of succulents grow on coastal bluffs and mesas as well as on inland ridge tops and canyon slopes. Of the 42 taxa in California, 27 are on the California Rare Plant Rank list 1B. With this many rare taxa in a widespread and what has been described as a confusing genus, tips on keying them may come in handy for consultants and land managers. We will try to sort out the changes in the new Jepson Manual vs. the previous Jepson Manual and try to take a fresh look at some species. We will utilize live plants from the largest collection of *Dudleya*, as well as herbarium specimens. Relatively new genomic work will also be presented briefly. After looking at taxa that key easily, there will be a concentration on difficult groups. The live collection has representatives from the many forms throughout California, including from Santa Clara, Monterey, San Luis Obispo, Ventura, Los Angeles, Orange, and San Diego Counties, as well as hundreds of seed grown plants from each of the Channel Islands. There will be a short field trip to nearby *Dudleya*. Students are encouraged to bring photos of plants for possible identification, along with the location information. Co-sponsored by the Jepson Herbarium and the UC Santa Cruz Arboretum. To register, call (510) 643-7008 or go to http://ucjeps.berkeley.edu/workshops/2012/regform_2012.html

calendar of events

Spring 2012

march

ARBORETUM FUN(D) RAISER

Thursday March 20, 5:00 – 8:30 pm

A talent show and much more.
(See Page 3)

BOARD MEETING

Wednesday March 28, 5:00 pm

april

COMMUNITY DAYS

Tuesday, April 3

1st Tuesday of every month. Free admission to the Arboretum.

GARDEN TOUR

Saturday, April 7

1st Saturday of every month. Tour of the Arboretum, free with admission. Meet at Norrie's at 11:00 am.

CALIFORNIA NATURALIST PROGRAM FIRST MEETING

Saturday April 7, 9:00 am – 1:00 pm.

(see page 4 for details and call (831) 427-2998 to register). Space limited. Cost \$300. Also April 12, 14, 19, 20, 21, 26, 27, 28, 29, May 3, 5, 10, 12, 17, 19, 24, 26, 31, June 2, 7, 9, 14, 16

EMERGING BIOLOGICAL FIELD METHODS: Using new technologies to identify, map, and explore wild diversity

Monday, April 9, 9:30 am – 4:00 pm

A workshop training Calflora tools by the Calflora staff, including Executive Director, Daniel Gluesenkamp, John Malpas, and others. Calflora is a website with great pictures of California flowers and much more. Learn more about it in this class. (see page 5 for details)

CALIFORNIA NATIVE PLANT WEEK

Third week of April

TOUR OF CALIFORNIA NATIVE PLANTS

Sunday, April 15, 10 am

Led by Rick Flores, Curator of California Native Plants. Meet at parking lot below gift shop. Free with admission to the gardens.

THE NEW RAY COLLETT RARE AND EXTRAORDINARY PLANTS LECTURE SERIES

Tuesday, April 17

6:00 pm pot luck, 7:00 pm talk.

"Survivors from an Ancient World: The Extraordinary Flora of New Caledonia." Chad Husby, Ph.D., Collections Manager and Botanist, Montgomery Botanical Center, Miami, Florida.

SPRING PLANT SALE 2012

Saturday April 21

(see p. 2 for info)

UC Santa Cruz Arboretum and CNPS, Santa Cruz County Chapter Public sales are from noon to 4. Member's only sale 10-noon. Memberships available at the door. At the UCSC Arboretum Eucalyptus Grove, High St. across from Western Dr. www.cruzcnps.org or arboretum@ucsc.edu for more information.

THE ART OF FIELD SKETCHING

Sunday, April 22

John Muir "Jack" Laws, naturalist, educator/author and artist. 9 am- 3pm. (see page 5 for details and registration.)

BOARD MEETING

Wednesday, April 25, 5:00 pm

SF BOTANIC GARDEN FIELD TRIP

Saturday April 28, 8:00 am to 4:00 pm.

The UCSC Arboretum Associates invite you to visit the San Francisco Botanical Garden at Strybing Arboretum. Join other gardeners and Arboretum supporters for a day at the SF Botanical Garden. We will go by van to Golden Gate Park and have a guided tour of these wonderful gardens by an experienced tour guide. Spring is one of the best times to enjoy this beautiful and diverse garden. We will have a lunch break to enjoy the varied restaurants in the area or pack a lunch and picnic in the garden. Leave 8am from the Arboretum Horticultural Building II, Return 4pm. \$50 for Arboretum members. \$60 for non-members. Cost includes transportation and entrance fees. Reservations, contact Suzi Morgan (831) 251-1653.

UCSC REUNION WEEK-END

April 28, 29

UCSC Natural History majors, Natural History Field Quarter reunion will be visiting. (for info go to www.nhfq.org)

may

SUCCULENT GARDENING MARATHON

May 4th, 9:00 am – 6:00 pm public, 6:00 pm – 3:00 am (Staff only).

Email Stephen at smccabe@ucsc.edu to sign up. Email or phone (831) 427-2998 to pledge monetary support for the marathon gardening and garden clean-up session.

MAY DONOR EVENT

Horticulture and Research, especially Echeverias and Dudleyas.

Date tba

Donate \$500 to receive an invitation. If you have already donated \$500 or more in the last year you will be invited. There will be a lesson in pollinating cacti, aloes, gasteria, echeverias and dudleyas, as well as a short program and access to restricted greenhouses. Wine and food provided.

BOARD MEETING

Wednesday, May 23, 5:00 pm

DUDLEYA OF CALIFORNIA. Using the new key in the Jepson Manual to identify *Dudleya* of California, a technical class for serious enthusiasts.

Friday May 25 & Saturday May 26

(see p. 5 for info)



Boronia heterophylla

Ray Collett (cont'd - p. 1)

Ray was extraordinarily gifted with his senses, especially olfactory. He could detect a plant species and its fragrant variations at considerable distances. Shortly after his diagnosis and follow up treatments in the late 90s he described he could generally detect through smell what other cancer patients in the doctor's office were eating and he determined that whatever they were eating wasn't working. So he stopped the treatments and conducted his own research, changed his diet, and made his cancer disappear. It eventually did come back, but not for a very long time. He wanted us all to know about alternatives and the virtues of paying attention.

In the days, weeks and years ahead, Ray's legacy and vision for the Arboretum is going to be honored and celebrated. Some cultures believe that people are alive and move around on this earth until the last individual who knew them in their physical being, is gone. The Arboretum itself is a living memory to Ray's fascination with biogeography and nature's evolutionary experimentation with the floral kingdom. Ray held strong convictions that students must be encouraged to enjoy and pursue their own fascinations about the natural world. At the time of his death, Ray was engaged in many projects including his work with native trilliums, violets and a book on *Fragrant Plants of the West*. Ray requested that we keep the momentum going on these and other projects, and so we will.

Many of you have special stories to tell about Ray and we invite you to go to the Arboretum's webpage on Remembering Ray. If you would like to contribute by sending your own, please

send them to us. Short and crisp vignettes are encouraged. Ray loved riddles, parables and curve balls and used them to great success.

We have so many memories and it is difficult to know where in the world to begin. Founding UCSC Chancellor, Dean McHenry affectionately referred to Ray as the "Shy Genius."

Ed Landels, for whom the New Zealand Garden was named, once characterized Ray as being "...worth paying admission." Todd Newberry, UCSC Professor Emeritus in Biology and constant birder in the Arboretum, beautifully articulated Ray's contribution when he said "Ray Collett personified UCSC



Ray in the fields near the Pinnacles National Monument, 1978.
Photo by Susan Hartgroves Holden.

at its very best. Vision, integrity, imagination, accomplishment."

Rodger and Gwen Elliot, among the worlds most highly decorated horticulturists and Australian native plant conservationists, said that "...meeting Ray Collett changed our lives forever."

Richard Turner, Editor of *Pacific Horticulture*, wrote me recently "...Ray has certainly left an

exceptional legacy, in the Arboretum and its collections, in the introductions of many fine plants, and in countless students who benefited from his knowledge. Would that we all were able to make so many wonderful contributions to the world."

Luen Miller, a student of Ray's from the 1970s and local nurseryman wrote, "Essentially all of what we see at the Arboretum today is mostly the result of over thirty years of Ray's interest, vision, and direction. He was arguably the first person in California horticulture to correctly understand the cultural needs and preferences of plants such as *Grevillea* and *Leucadendron* that have become critically important to gardeners, landscapers and nursery professionals throughout California. Under his direction the Arboretum certainly made more worthwhile, lasting introductions to our trade than any other institution in the US, possibly in the world. His presence will be missed, except at the Arboretum, where it continues to flourish in the beauty of the wonderful plantings he created."

As a parting interlude to these notes remembering Ray, I recall one day when my oldest son, Tommy, was only 6 months and I was carrying him around the Arboretum on my back. Kenneth Thimann, the esteemed plant physiologist, and Ray were paying attention to Tommy. Dr Thimann was a great and famous English gentleman and aristocrat. He leaned over to look at Tommy and then looked to me and asked, "What's he going to be?" I didn't quite know how to respond and thankfully Ray answered, "I think first he's just going to live for a while."

Remembering Ray <http://arboretum.ucsc.edu/about/remembering-ray-collett/>

— Brett Hall

THE ARBORETUM IS STRONGLY ROOTED

SUPPORT THE EDUCATIONAL, HORTICULTURAL, CONSERVATION AND RESEARCH GOALS OF THE ARBORETUM!

Yes, I want to give a donation, a gift membership, or renew my Arboretum Associates Membership!

New Member Renewal Gift Membership* Donation Only (no benefits)

Check (payable to **UCSC Foundation**) Check No. _____

Cash

Please bill my [Visa [MasterCard [Discover [American Express

Card No. _____ Exp. Date _____

Cardholder's Signature _____

*Gift from (Name, Complete Address): _____

Member Name (two names for *Salvia* or above) _____ Phone Number _____

Street Address _____ E-mail (for occasional reminders) _____

City, State, Zip _____ Yes, E-Membership*

*E-Membership helps the Arboretum save money by sending the Bulletin to your e-mail address.

Membership Levels

- \$45 Calif. Poppy
- \$65 *Salvia*
- \$ _____ \$100-\$249
Kauri Circle
- \$ _____ \$250-\$499
Erica Circle
- \$ _____ \$500-\$999
Banksia Circle
- \$ _____ \$1000 or +
Protea Circle
- \$2500 Life
- \$ _____ Donation
- without benefits

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

Printed with soy inks on recycled paper

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

Garden Company (plants only)

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

Gold Rush Nursery

3625 N. Main Street, Soquel, CA 95073 • (831) 465-0314

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

NewGarden

2440 Mattison Ln., Santa Cruz, CA 95062 • (831) 462-1610

Pot Stop (pots only)

2360 Highway 1, Moss Landing, CA 95039 • (831) 768-7557

Pottery Planet (pots only)

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ProBuild Garden Center

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And, of course,

Norrie's Gift Shop & Nursery

at the Arboretum.

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

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

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

The Jean & Bill Lane Library is open Wed-Sun 12PM-3PM.

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.

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Arboretum

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