



the BULLETIN

Quarterly Publication of the Friends of the Arboretum

Fall 2014 Vol.38, No.2 & 3

More Monkeys and New Succulents for California Gardens

At the Fall Plant Sale, Saturday, October 11, 2014



X Graftoveria 'Little Opal'

A long-time leader in propagating drought-tolerant plants, the Arboretum's fall plant sale will have both popular and original selections for California garden-- some of which were selected in the wild and others were hybridized in a greenhouse. The Arboretum fall sale will have a wide range of drought tolerant proteas and their relatives, including the red and yellow variegated *Leucadendron* 'Safari Sunshine' (aka 'Jester'), *Correa* 'Ray's Tangerine', and *Puya berteroniana*, the bromeliad that makes huge spikes of metallic green-blue flowers. The bromeliad takes a patient gardener as it may take 5-20 years to flower.

Among other new plants the Arboretum will sell this year are different monkey flowers native to California. All of these monkey flowers can be drought tolerant once established, but can look stressed unless they receive at least occasional watering, tip-pruning and fertilizing. Near the coast they should be grown in full sun, but they should have more shade inland.

A bright orange-flowered monkey flower *Mimulus* 'Tangelo' to be sold on October 11 is floriferous and dependable. Another is a naturally occurring hybrid between two spe-

cies on the Channel Islands that we named 'Monkeys on Fire.' It has bold orange and red two-toned flowers. A third selection is the *Mimulus* 'Ben Lomond Yellow,' a single naturally occurring yellow flowered specimen which I found among thousands of yellow-orange flowered plants. This one is from the sandhills area of inland Santa Cruz County, growing with the extremely drought tolerant, locally endemic Silver-leaf Manzanita. At this year's sale the Arboretum will have several colors of other monkey flowers. They make a great, quick addition to a fall garden for instant color. Monkey flowers grow leaves in pairs and every new pair of leaves will grow a new pair of flowers.

Arboretum volunteers have propagated large numbers of two very popular South African species, the fuzzy *Phyllica plumosa* and the silky Silver Tree, *Leucadendron argenteum* for sale too. The Arboretum will also have several plants of a pink-flowered *Crocea* 'Poorinda Ecstasy,' a cultivar that we have started selling for the first time this summer. This may be the first time this low-growing Australian cultivar has been sold



Mimulus 'Red Velvet'

The Future Looks Green



Jessica Fiske Bailey

UCSC has increased its support for the Arboretum this year by loaning Jessica Bailey to fill the executive administrator position held by Dan Harder in 2009. Bailey has

been devoted to the organization since 2012 when she joined the Board of the Friends of the UC Santa Cruz Arboretum. She has been an active member of the Arboretum community ever since.

Bailey's recent appointment enables Brett Hall to dedicate his full attention to his passions: the Arboretum's collections and educational programs. Hall's new title is Director of Collections and Conservation.

Hall and Bailey share a unique complement of skills and experience. Hall's expertise in horticulture, conservation, botanical gardens, and the Arboretum's history is well known to the Arboretum community. Bailey's strengths and experience are in non-profit administration, organizational development, fundraising and leadership.

For more than 9 years, Bailey has worked at UCSC, including the last 5 as Assistant Vice Provost of Undergraduate Education in which her responsibilities included managing Summer Sessions, International Education (including Programs Abroad and visa and immigration support), and the Undergraduate Education Development Office.

Her professional experience also includes serving as Executive Director of the Foundation of the California State Bar, fundraiser for the Point Reyes Bird Observatory (as it was called then), Educational

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The Future Looks Green (cont'd - p. 1)

Program Coordinator for the Administrative Office of the Courts, and a strategic planning and board governance consultant for courts and non-profits.

Bailey is focusing Arboretum efforts on three major goals for the coming year: The sustainability of the collections; financial stability; and an enhanced visitor experience. Current activities in support of these goals include ensuring that all visitors are greeted at the gate and given a visitor guide to the Arboretum (fully staffing our Meet and Greet Program); developing interpretive and directional signage (to include labels for plants and educational signs for each garden); tidying, organizing, and fixing (prioritizing and working to fund deferred maintenance); increased marketing and outreach; gathering and utilizing data for use in decision-making; and publicizing the Arboretum as a wonderful event space.

In the fall quarter of this year the Arboretum will work with faculty, staff and students in the Art and Music Departments to display art at the Arboretum and encourage musical ensembles to practice in the gardens. We will also hire two Chancellor's Interns to help increase our visibility on campus. One student will focus on our internship program and implement best practices in recruiting, training and supervising students; the other student will focus on establishing a stronger presence at key campus events, such as orientation and move-in, as well as at community events like farmers' markets, the county fair, etc.

Bailey is not the only new staff member at the Arboretum. Jennifer Macotto, Associate Director of Development, joined the organization a little more than six months ago. With 15 years of non-profit management and hand-on fundraising experience, Macotto is well qualified for the position. For many years she served as a development contractor for the Society for Advancement of Chicanos and Native Americans in Science where she managed a \$2 million budget and created and administrated a comprehensive development plan. Most recently she worked as the Community Engagement Director at Life Lab in Santa Cruz as well as a fundraising consultant with Nancy Loshkajian, President, Loshkajian & Associates. In a very

short time she has accomplished much at the Arboretum, including increasing Board giving by 325%, nearly doubling the revenue received in this year's spring appeal, and increasing membership revenue by \$10,000. She has also been instrumental in hiring and training students as Garden Ambassadors—often the first people to interface with callers and visitors and instrumental in creating a friendly and helpful experience.

"I hope to make a significant difference in gaining support for the Arboretum. Through conversations with its dedicated community of volunteers and key stakeholders, we are ensuring the Arboretum is a well-known and utilized resource for our community of plant lovers and is demonstrating the important role the Arboretum plays in furthering the academic mission of UCSC," said Bailey.

The Arboretum community is excited to have Macotto and Bailey's new perspectives, energy, and connections. Both new staff members are focused on ensuring the long-term success of our botanical garden wherein visitors are encouraged to explore, be inspired and learn.

- Christine Jennifer



echeveria hybrid



WEDDINGS AND EVENTS AT THE ARBORETUM



Wedding couple dancing at the Arboretum, by Still Music Photography

The natural choice for your wedding.

Our extensive gardens have several small to large open spaces to celebrate your big day. Have your wedding among unique trees, flowering shrubs and extraordinary gardens. It's a perfect choice for the couple looking for a natural setting. The Arboretum will ensure your wedding runs smoothly and is filled with lasting memories. For information on facilities, rates and wedding coordination services, please contact Connie Sanchez at 408-832-3794.

Consider the Arboretum for meetings and retreats

The Arboretum provides wonderful indoor and outdoor settings for receptions, meetings and retreats. The Horticulture II Room seats up to 130 people theater-style. Media services are available to support your event as well. Call (831) 427- 2998 for rates and availability. WiFi is available.



Jennifer Macotto

in the U.S.

In contrast to the fuzzy plants, volunteers have propagated at least two waxy kinds of succulents that haven't been sold before. Bob Grim, a prolific hybridizer from San Jose, created these succulent hybrids by crossing plants from different genera to make new plants. Many of his hybrids have not been formally distributed for sale. One, a pale green waxy cross of *Sedum suaveolens* X *Echeveria albicans* (aka *elegans*) we named X *Sedeveria* 'Suavé.' The *Graptopetalum amethystinum* X *Echeveria laui* has beautiful purple-white wax and is smaller than Bob's X *Graptoveria* 'Opalina' (*Graptopetalum amethystinum* X *Echeveria colorata*). Because of its opal coloring and its diminutive form, we named it X *Graptoveria* 'Little Opal.'

The plant sale list will be posted on the website after October 4, 2014. Check the list to see which proteas, leucadendrons, grevilleas, banksias, pimeleas, pincushion proteas (see photo in this bulletin), agaves, succulents, and isopogons will be on sale this year.

OUR ANNUAL FALL PLANT SALE

This year's fall plant extravaganza will be held on **Saturday, October 11, 2014**. Fall is the best time to plant. Come when the doors open for the most unusual and popular options. Doors open for members at 10am.

To those of you new to Arboretum plant sales, our plants are organized by scientific name. There will be many tip sheets, master gardeners, and curators on hand to help those less familiar with the plants to help you identify those that will work best for you.

The plant sale opens at 10 am for members and at noon for the general public.

- *Stephen McCabe*

History of Monkey Flower Hybrids

The Arboretum has introduced many plants to the nursery trade in California. This publication documents the history of the introductions for our readers and for posterity. Many years ago Dave Verity of UCLA started a breeding program to select beautiful hybrids of native monkey flowers. This program eventually influenced the Arboretum's selections. Verity is a well-known horticulturist who has an endangered liveforever



Mimulus 'Monkeys on Fire'

named after him, *Dudleya verityi*. Starting long ago, with wild collected monkey flower plants having either especially large or colorful flowers, Verity developed some with large and beautiful flowers. Because of the limited space on the Los Angeles campus, he had to throw away most of his plants after he gathered seed each season.

One drawback of getting rid of most of the plants each year was that he was not able to select for frost tolerance because the plants didn't experience frost. The plants only were allowed to last one season, so he was not able to select for longevity either. Since the development of the Verity hybrids, there have been other selections made from seedlings that arose from his original plants.

The Arboretum sells a dependable, mottled-orange one from the UC Davis Arboretum. Yerba Buena Nursery selected a pink seedling and called it 'It's a Girl!' I saved our 'It's a Girl' from a hard frost. Since then, propagation volunteer Linda Willis has grown seedlings of 'It's a Girl' and I have grown them on and selected the ones that are beautiful, can survive longer, and have some frost tolerance. Some of these, such as the deep-red 'Ruby Slippers,' part of our Oz series have become popular.

This year we started selling limited numbers of *Mimulus* 'Glinda,' which is a beautiful, se-date, pale pink. It was probably developed by students working at the Arboretum using one of the seedlings of 'It's a Girl' as one parent and one of the pale monkey flowers I collected in northern Santa Barbara County as the other parent. We are working on another brand new monkey flower, *Mimulus* 'Red Velvet.' It is a little darker than 'Ruby Slippers' with a velvet-like appearance. These are among the many plants Linda Willis started from seed and the nursery crew tended. We will not have 'Glinda' or 'Red Velvet' at the plant sale, but will sell them at Norrie's Gift and Garden Shop in the next couple of months. - *Stephen McCabe*

The Bulletin of the Friends of the Arboretum

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Jean and Bill Lane Library:
<http://arboretum.ucsc.edu/library>

calendar of events

october

Fall 2014

FALL PLANT SALE

Saturday, October 11 in the
Eucalyptus Grove

10 to noon Members of the Arboretum
Noon to 4 Public Sale

CALIFORNIA NATIVE PLANT PHENOLOGY WORKSHOP

Saturday, October 18 from 2 to 4pm
Horticulture II Building

Do you enjoy watching plants change through the seasons? Would you like to help researchers study the effects of climate change?

This workshop, taught by Juliet Oshiro will teach volunteers to monitor and gather data on when native plants leaf out, flower, form fruit and other seasonal changes through hands-on training. No experience necessary. Data collected will be submitted to USA-NPN databases. Registration recommended at <http://arboretum.ucsc.edu/phenology-walk>.

WELCOME TO MY GARDEN TOUR SERIES: MELINDA KRALJ

Tuesday, October 21 at noon

\$15 RSVP at

<http://arboretum-tours.eventbrite.com>

Join Melinda Kralj, Curator of the Australian Collection on a special, limited participant's tour of this outstanding garden, the largest collection of Australian plants outside of their homeland. Let Melinda introduce you to the fragrant Myrtle Family, which contains *Eucalyptus*, *Callistemon*, *Melaleuca*, and *Leptospermum* and the ancient Protea Family along with the hummingbirds who signal the presence of Grevilleas of every form. Meet in front of Norrie's Gift and Garden Shop. Event Details: <http://arboretum.ucsc.edu/events/curators-tours-2014/>

BOARD MEETING

Wednesday, October 22 at 5 pm

november

COMMUNITY FREE DAY

Tuesday, November 4 - all day
1st Tuesday of every month.

Free admission to the Arboretum.

WELCOME TO MY GARDEN TOUR SERIES: HELEN ENGESBERG

Tuesday, November 4 at noon

Meet at Norrie's Gift and Garden Shop

\$15 RSVP at <http://arboretum-tours.eventbrite.com>

Join Helen Engesberg, the Arboretum's Nursery Manager, on a special, limited participant's tour of the greenhouses. Helen has a magical



touch for propagating and raising plants for the collections, especially the Australian and South Africa Gardens. Find out what it takes to raise plants for our sales and gardens. What challenges need to be overcome to successfully grow spectacular plants? Event Details: <http://arboretum.ucsc.edu/events/curators-tours-2014/>

GARDEN DOCENT TOUR

Saturday, November 7 at 11:00 am

1st Saturday of every month. Free with your paid admission. Meet at Norrie's Gift and Garden Shop.

PROTECTING THE WILD AND SCENIC SMITH RIVER

Easter Lilies vs. Salmon: How Ornamental Plant Production Threatens California's Healthiest Fish Populations

Sunday, November 9, 4 pm

Horticulture II Building

\$5 members, \$10 non-members

Greg King, an award winning investigative journalist, author and advocate for land conservancy, is the founder of the Smith River Project, a non-profit dedicated to protecting California's wildest river. King also founded the Siskiyou Land Conservancy, a land trust and advocacy organization that serves five counties in northwestern California. Smith River in Del Norte County, within the Siskiyou Mountains in Klamath Range, is in the heart of the most bio-diverse region in North America.

CALIFORNIA NATIVE PLANT PHENOLOGY WORKSHOP

Saturday, November 15 from 2 to 4pm

Horticulture II Building

Do you enjoy watching plants change through the seasons? Would you like to help researchers study the effects of climate change?

This workshop, taught by Juliet Oshiro will teach volunteers to monitor and gather data on when native plants leaf out, flower, form fruit and other seasonal changes through hands-on training. No experience necessary. Data collected will be submitted to USA-NPN data-

bases. Registration recommended at <http://arboretum.ucsc.edu/phenology-walk>.

WELCOME TO MY GARDEN TOUR SERIES: STEPHEN MCCABE

Tuesday, November 19 at noon

Meet at Norrie's Gift and Garden Shop
\$15 RSVP at

<http://arboretum-tours.eventbrite.com>

Join Stephen McCabe, Curator of Succulents and Research on a special, limited participants visit to the greenhouses where Stephen conducts his own research as well as propagates the world's largest *Dudleya* collection. Let the master of succulents guide you through the remarkable world of this large and varied collection of plants. Event Details: <http://arboretum.ucsc.edu/events/curators-tours-2014/>

BOARD MEETING

Wednesday, November 19 at 5 pm

GIFT & WREATH SALE WITH NORRIE'S GARDEN SHOP

OPEN HOUSE

Saturday, November 22 (10am to 4pm)

Sunday, November 23 (10am to 2pm)

THANKSGIVING, GIFT SHOP AND ARBORETUM CLOSED

Thursday, November 27

december

COMMUNITY FREE DAY

Tuesday, December 2 - all day

1st Tuesday of every month.

Free admission to the Arboretum.

GARDEN DOCENT TOUR

Saturday, December 6 at 11:00 am

1st Saturday of every month. Free with your paid admission. Meet in front of Norrie's Gift and Garden Shop.

2015 Events - Save the Date!

march 2015

HUMMINGBIRD DAYS

Saturday, March 7, 2015

Sunday, March 8, 2015

Children's craft activities, guided and self-guided tours, plants for sale that attract hummingbirds, and educational programs.

april 2015

SPRING PLANT SALE

Saturday, April 18, 2015

In the Nursery: Grounded in Baby Plant Love

Several months ago I had an epiphany of sorts. I realized something extraordinary, yet oh so ordinary, about our UC Santa Cruz Arboretum. Something pretty obvious actually – something that for some reason I had never fully, deeply grasped. The elusive obvious. So apparent, yet so profound.

It's alive!

The whole absolute entirety of the 135 acres that is the UC Santa Cruz Arboretum is alive. Which means that the landscape and everything in it is always changing, growing, needing, calling out for attention and love. Maybe it just finally clicked as to why the curators are always sweating, in a rush, coming early and staying late, yet so pleased and vibrant – high on life. Why the volunteers seem so devoted, perpetually dusty, speak a common colloquial language as they know one other so well, and keep coming back to weed and prune week after week after week after week. For whatever reason, I finally understood the *raison d'être* of what it really means to be a “living museum” as mentioned in our mission statement. “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.”

This rare and extraordinary assemblage of plants, almost 50 years old, and spanning so much square footage, is a living, breathing, growing, fabulous, albeit - *needy* - mass of LIFE. From my own vantage point, as a mother of two children, I wonder (fear) if maybe it's a little like having thousands of babies. Each and every baby uniquely special and needing of different things at different times for as long as they all shall live. The garden curators are caregivers tending to various flocks of rare exotic babies. These unique collections require 24/7 care and attention. Not to mention expertise, time, financial support, longevity, and the unconditional love of a doting parent. When an unexpected frost hits, some babies need protection, blankets and heat right away or they might die. No matter if it's the dead of night. *Someone* better get out of bed and hustle to the Arboretum. In times of drought, like now, the babies still need water. So it's up to the curators to figure out how much water, *exactly*, is required to maintain the collection.

Helen Englesberg is the Nursery Manager and lead propagator here at the Arboretum. She's the ultimate plant baby maker. Englesberg came here as a UCSC student in 1985, so for nearly 30 years she has been working in the nursery program, doting on plants, later

continued on page 14 & 15



South African Garden leucospermum and daisies



Chelsea Dickson scattering seed

SPECIAL RECOGNITION

GOLDEN THANK YOU

to Susie Bower, for her extraordinary service to the Arboretum

GOLDEN NAIL AWARD

to Dave Cole, for his work building a new kiosk and other projects

GOLDEN JASMINE AWARD

to Barbara Cordes, for her work in the aroma garden

GOLDEN COIN AWARD

to Susan Lonnblad, for offering her retail management skills to Norrie's

GOLDEN SMILE AWARD

to Vicki Garside, for creating a great Meet & Greet Program

GOLDEN COMPASS AWARD

to Marie Beckham, for many years leading exemplary tours

In Memorium, Rosemary Raphael



Pincushion protea

exquisite proteas, which they sold at local farmers' markets and generously donated to the Arboretum for us to sell. When Brian passed away, Rosemary continued growing proteas up to the present time.

Beginning back in the 1980's and all the way through this most recent Spring Plant sale, Rosemary worked side by side with Phyllis Norris, Lorna Clark, and other long-time volunteers to produce the plant descriptions for folks to take with them when they purchased plants at our sales. The job of lining up the descriptions with the plants available at a given sale and copying the requisite number needed would go on for about a week. This crew has been so dependable you could almost set your seasonal clock to their arrival and perusal.

Rosemary was very involved in running the Jean and Bill Lane Library. After the death of Don Gholston, the first Lane Librarian, she stepped in and kept the Library alive and working for years. As Co-Chair of the Library Committee, Rosemary led the writing of the Lane Library Mission Statement, which was accepted by the Committee in January, 2000. During this last year of her life, she convened several meetings with members of the Library Committee, staff and the Arboretum Friends group to discuss the future of the Library. Rosemary wanted the library to become the go-to place for information about Arboretum collections and the Arboretum's history. We were just beginning to develop a common vision for the Arboretum's library as a modern, interactive, educational, and welcoming environment when she passed away.



Rick Flores & Joan Norvelle contemplating interpretive signage

Rosemary Raphael, early member and champion of the Arboretum, ardent protea grower, volunteer and very dear friend, passed away in early August 2014. She was 80 years old. Rosemary recently provided a major gift to the Arboretum to support the design and development of new interpretive garden signs, way-finding signage, and the production of our own plant labels. With her funding we purchased a high quality laser engraver, which will enable us to produce signs and labels in house. The new plant identification labels will be weather-resistant, professional looking, and immensely helpful to visitors.

During the late 1980's, Rosemary and her husband Brian Raphael started growing protea varieties, eventually developing their hobby into a cut flower protea farm in the Soquel Hills. They were very keen growers who produced



laser engraving on wood

While we honor Rosemary through fulfilling the goals of her generous gift to create thousands of plant labels and many beautiful garden entry interpretive signs, we will also continue our discussions around enhancing the library. Rosemary loved to come and work in the Library with her many friends here at the Arboretum. We will miss her, and remember her dearly for her thoughtfulness, kindness and enormous generosity.

-Brett Hall

MUSES ON COLLECTIONS AND CONSERVATION

Letter from Brett Hall, Director of Collections and Conservation



Brett Hall

Please come to our Fall Plant Sale on Saturday, October 11 and tell your friends. The plant sale is a big fundraiser and a festive celebration of the Arboretum collections of plants and friends.

The extreme drought, as we have come to know it, is the environmental challenge we face. So far, the Arboretum has exceeded its water reduction mandates. We are accomplishing this through very minimal watering and highly monitored water use where and when watering is needed. We are allowing our drought-induced Mediterranean ecosystem to exert its selective pressure on our established collections from South Africa, Australia, and California. In the New Zealand garden, in our temperate forest collections and in the upper Arboretum World Conifer collections, we are watering, but very carefully. Hopefully, it will rain abundantly this winter. If not...it's going to be really tough!!

Tom Saucedo has been busy implementing his redesign of the “Kiwi Beds” in the New Zealand Garden. It’s a wonderful work in progress. Tom has captured the essence of the limestone haunts of the Marlborough Rock Daisy from the Seaward Kaikoura coast of the South Island. He and a group of students have been busy moving boulders into the planting beds. The beds slope westward. From the top most bed, you are provided a great sweeping view across limestone boulder fields and further down in the view shed, to yet much larger limestone boulders that Tom is just beginning to place into the landscape. The larger boulders conjure up Lord of the Ring like imagery and in the distance even further out your eyes are treated to the grasslands above Wilder Creek and to the ocean beyond. We’ve got to hand it to Tom and Arboretum founding director, Ray Collett for the original lay out and anticipated design of this view shed. Of course, the plants will also make this a spectacle, especially the Marlborough Rock Daisy with it’s very woody structure on a small frame with avocado sized leaves (the leaves not the fruits) which are avocado green on the top (the fruits, not the leaves) and felt-like underneath. The flowers are held on long petioles and are the size of chrysanthemums (like the ones you used be able to buy on the roadsides).

Another very cool and intelligent direction for the NZ garden that Tom has embraced, is to plant California native grasses and sedges as surrogates for the rich sedge diversity and tussock grassland vegetation in New Zealand. Some years back we made it our policy to avoid introducing foreign grass, sedge and grass-like species into the Arboretum. With so many weedy grasses advancing around us there is no reason to stoke the fire— so to speak. Fortunately some areas in the New Zealand garden support superb stands of purple needle grass and California oat grass. Tom’s plan is to follow suit and plant a rich diversity of local native bunch grasses, sedges and shrub species in and around the New Zealand Forest. This will help to prevent invasive weedy species that are poised to invade from moving in, like *Festuca arrundinacea* (Tall Fescue) and *Holcus lanatus* (Velvet Grass) and others.

There are many other good things happening in the Arboretum these days. Melinda has made the Rock Garden the place to be especially if you are planning to get married. This summer we have had weddings in front of the Rock Garden every single weekend. It is a dazzling site. The close up and distant views are enchanting. The depth and range of textures is awesome and the plants are amazing.

Over the last couple months we have focused a fair bit of attention to the maintenance of the core area and most visible paths in the Arboretum and plan to continue this through our fall planting season. This includes the entrance natives as you first come into the Arboretum and up through the South African Garden and on into the Horticultural building Parking areas.

We sincerely hope to see you on your next visit!

-Brett Hall



Students Ben Perry, Johnny Goodwin, Steve Glascock, Avery Phung-Marion, and Reed Kenny



Tom Saucedo, Curator of the New Zealand Garden

ARBORETUM DONORS & MEMBERS

Our sincere gratitude to donors and members from July 1, 2013 to June 30, 2014

\$50,000 & Above

Anonymous Donor
Rosemary Raphael

\$10,000 & Above

The Barkley Fund
Estate of Ray T. Collett, Jr.
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Puya berteroniana

\$1,000 & Above

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Martha Zuniga and G. Capps

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Richard Altherr
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Lawence Bazel and Diane Gibson
Michael and Karin Beumer-Browner
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The Science Advisory Council is composed of distinguished members of the academic community at UCSC and other academic institutions. They advise the Arboretum on issues relating to staff research, other research use of the Arboretum, and ways to continue the Arboretum's participation in the academic missions of the University and the Arboretum. One of their projects is the development of signage about UCSC professors and their research with plants and animals. Professor Bruce Lyon and graphic artist Joan Norvelle are leading the committee developing the signage. The descriptions of the professors, referred to as faculty vignettes, will mention Arboretum-faculty collaboration and other investigations being carried out by UCSC researchers. Funding for the vignettes has been provided by Dr. Jean Langenheim. Of the four key components of the Arboretum's mission: research, conservation, education and gardens, the Science Advisory Council concentrates on the first three. It was not surprising that during a recent Arboretum talk, noted botanist Dr. Peter Raven, President Emeritus of the Missouri Botanic Garden, focused on similar themes, emphasizing learning from research, acting on conservation issues, and teaching. *-Stephen McCabe*

In the Nursery: Grounded in Baby Plant Love (cont'd - p. 5)



Sylvia Childress posed with some Kingia australis near the Banksia Farm in Mt. Barker, Western Australia

managing students and volunteers and overseeing all propagation. Mother to a virtual treasure trove of rare botanicals, she has literally started thousands upon thousands of plants from seeds and cuttings and transplanted them from petite four inch containers into one gallon pots. As the botanical garden has grown in size and scope over the past 50 years, so has the need for her expertise in propagation. And while propagation is a necessity in order to maintain the collection, the Arboretum also supplies plants to gardeners, landscapers and nurseries. Some of the Arboretum's special Australian plants identified as the best recent introductions are sold by supporting wholesalers and nurseries as part of the Koala Blooms™ program. In this program, after extensive trials, the Arboretum presents new, beautiful, and well-suited plants to the gardening world, receiving a percentage of sales and returning a percentage to the Australian growers from which the plants originated.

The day-in-day-out baby plant care requires the constant attention of Helen and her 20 or so core volunteers. Between planting, upsizing and repotting plants, weeding, grooming, fertilizing and watering – there is never a shortage of work to be done. A greenhouse filled with rows of needy new babies cannot be ignored for one single day. Right now, everyone is gearing up for the Fall Plant Sale on Saturday, October 11. Between the spring and fall plant sales, the Arboretum earns nearly \$50,000, attracting hundreds of local plant enthusiasts and providing key financial support to the Arboretum. “We are utterly dependent on dedicated volunteers to propagate enough plants for the sales,” said Englesberg. The UCSC student work-study program is an integral part of the nursery's success as well and a breeding ground for future plant disciples. Students like Nikki Hanson, a recent Ecology and Evolutionary Biology graduate at UCSC, has helped out in the

nursery for years. Inspired by the Arboretum's focus on conservation, her dream job is to pursue the field of restoration ecology and land management and help determine appropriate land practices. Like so many of the students involved with the Arboretum over the years, Hanson has developed strong ties to this tight knit community and a real passion for carrying out the Arboretum's mission of research, education and conservation out into the world beyond the UC Santa Cruz Arboretum. Plant people without borders.

Chelsea Dickson is another UCSC work-study student who helped out in the nursery program. Currently Dickson is the nursery manager at the Redwood Creek Nursery, one of six nurseries within the Golden Gate National Park Conservancy, a non-profit that manages approximately 80,000 acres. Dickson stewards the Redwood Creek area watershed and is responsible for growing all 20,000 plants for the Muir Beach project – a wetlands restoration project. Before assuming this position seven years ago, she worked at the Arboretum for three years. “I was volunteering, and it was Helen who recruited me for a work-study program. That's where I got my start,” said Dickson who has come back to visit the Arboretum staff and fellow volunteers many times since finishing the program here. Dickson loves her job. “I enjoy seeing the effects of what we do, how things evolve. It just feels really good. And I love working with volunteers, raising up new plant people.”

Another plant disciple raised up in the nursery with Englesberg, is Sylvie Childress. Though she graduated from UCSC with a degree in psychology about three years ago, her four years spent in the nursery greatly impacted her career path. She is now working at a large private retail nursery in Berkeley. In the future, Childress imagines herself pursuing work in the field of plant conservation or possibly incorporating her degree in psychology with her love of plants with a career in horticultural therapy.

Donor support and endowments such as the \$100,000 Bernice Porter Enhancement Endowment established by Bernice Porter's daughter and son-in-law, Don and Diane Cooley, have made it possible for students such as Childress to advance their interest in horticulture.

“Students from all walks of life will enhance their careers by having the opportunity to work with the earth,” said Diane Cooley.



Nikki Hansen

In the Nursery: Grounded in Baby Plant Love (cont'd - p. 5 & 10)

The arms of the Arboretum extend far and wide, connecting curious plant scientists and scholars like Childress from around the globe.

At one time during her affiliation with the Arboretum, Childress connected with Arboretum friends and supporters Kevin and Katherine Collins and worked for a month at their Banksia Farm in Western Australia.

“My favorite part of working at the Arboretum was working with Helen and the volunteers. I learned so much about all aspects of plant care in the nursery. Helen really encouraged me.” Like so many Arboretum volunteers and students, Childress describes a culture that inspires and unites.

“They (the Arboretum staff) are so good at working with students. Over time, Helen (Englesberg), Stephen (McCabe) and Brett (Hall) inspired me and turned me on to hidden little things with plants and taught me how to look at plants...how to examine key features in them. They kind of opened me up, taught me how to see things. I try to keep in touch with the volunteers and the nursery and the staff there. All the people there have helped shape me in a big way and helped me find my place.”



Banksia dryandra



Helen Englesberg burning banksia to release seed

Englesberg enjoys that part of her job – helping someone find their calling in life. “I love helping them along their life path, their journey – It’s a very rewarding experience.”

There is a holistic concept that says an investment of time buys love. To that extent the UC Santa Cruz Arboretum, so full of life, maintained and nurtured by the passion and devotion of its curators and generations of philanthropists and volunteers, is quite literally grounded in love.

-Christine Jennifer

GOING GREENER

In the future, our bulletin will appear semi-annually instead of quarterly and be featured on our website in a PDF format. Members will receive an email announcing its publication. Print copies will be available upon request.

Help us reach our goal of signing up 100 new members by October 11th and support the Arboretum’s work to educate and inspire action to protect our fragile environment.

There are many benefits to being a member, including:

- Discounts on plants at local nurseries, including The Garden Company, Sierra Azul, and San Lorenzo Garden Center;
- Free entrance to the UC Santa Cruz Arboretum and reciprocal admission to AHS Affiliate Gardens throughout the U.S.;
- Early entrance to Arboretum bi-annual plant sales;
- Discounts at Norrie’s Gift and Garden Shop

Please visit our website at arboretum.ucsc.edu/get-involved/associates to see all of your membership benefits.

Arboretum membership starts at \$45 annually for one person and \$65 for two. **It pays for itself!**

Please join or renew today at arboretum.ucsc.edu/get-involved/associates (joining online saves paper and time) or by calling 831-427-2998.

P.S. Only UC Santa Cruz Arboretum members enjoy special members-only early access to the Saturday, October 11th Plant Sale!

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.

We're moving to e-newsletter. Please confirm we have your email address by visiting our website at arboretum.ucsc.edu

Nursery Discount Program

Friends of the Arboretum 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

Native Revival Nursery (plants only)

2600 Mar Vista Dr., Aptos, CA 95003 • (831) 684-1811

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)

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

ProBuild 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

Succulent Gardens (plants only)

2133 Elkhorn Rd., Castroville, CA 95012 • (831) 632-0482

And, of course, the Arboretum's own

Norrie's Gift & Garden Shop

Printed with soy inks on recycled paper

The UC Santa Cruz Arboretum is open daily from 9AM–5PM.

Norrie's Gift & Garden Shop 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 for disability-related questions, call (831) 427-2998 or fax us at (831) 427-1524.

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Norrie's Gift & Garden Shop



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Show your current membership card for 10% off!

Norrie's always has a great selection of plants, jewelry, housewares, statuary, books, and gift items.