

the review

UC DAVIS ARBORETUM AND PUBLIC GARDEN

A male striped sweat bee on an oregano plant in the Arboretum.

Fall PLANT SALES

9 AM - 1 PM
Arboretum Teaching
Nursery
Garrod Drive, UC Davis
arboretum.ucdavis.edu

PUBLIC SALES

Saturday, Sept. 29
9–11 am members only
11 am–1 pm general public

Saturday, Oct. 13
Saturday, Nov. 3
(Clearance Sale)

Members always
save 10% on every
purchase!

Not a member?
Call ahead or join
at the door!

UC DAVIS



ARBORETUM AND
PUBLIC GARDEN

HERBS IN YOUR GARDEN:

HABITAT FOR POLLINATORS AND FLAVOR FOR YOUR PLATE

Abbey Hart, Nursery Special Projects Manager and Stacey Parker, GATEways Horticulturist

Why did we decide to sell herbs at the Arboretum and Public Garden Plant Sales? Easy answer—you asked and we listened. Not to mention, we love growing them!

Not only are they a sensory delight, most herbs are excellent pollinator plants and are well adapted to our climate. There is something particularly delightful about walking into your garden, collecting from beautiful and stimulating plants and using the fruits of your labor to add flavor to the food on your plate. Planting herbs connects your garden to your gut, and gives you the opportunity to experience your plants through gastronomic and olfactory avenues. And the ultimate bonus—they contribute food sources and habitat for your friendly neighborhood pollinators. So many herbs are excellent pollinator habitat and food sources that it is difficult to name them all, but here are some of our favorites: oregano, savory, basil, thyme, parsley, cilantro, dill, sage, chives, mint, rosemary, lemon balm, and borage.

We plan to have a diverse, unique and growing selection of herbs at our plant sales this season. Here is a sampling of what you will find at our upcoming sales, and an overview of how each plant benefits local pollinators.

Winter savory (*Satureja montana*) is a favorite old-fashioned and underutilized herb. Its peppery leaves have more kick than its annual cousin, summer savory. Its delicate semi-ev-

ergreen foliage and lilac-white flowers make it a charming border plant that grows to about one foot tall and wide. Its dainty flowers will provide nectar for the pollinators that call your garden home and its leaves provide great flavor in soups, stuffings, and roasts, but do not be afraid to experiment! Like most Mediterranean herbs, savory is drought-tolerant and prefers sun and well-drained soil.

Mexican tarragon (*Tagetes lucida*) is a delicious and dependable herb. If you have tried to grow French tarragon (*Artemisia dracunculus*) and struggled, this is your solution! It is amenable to our climate, looks beautiful throughout our hot summers and is a tender perennial in our winters. It has prolific foliage with a rich and sweet anise flavor. The leaves can be used fresh or dried in Herbes de Provence mixes, on potatoes, seafood, stews, sauces and salads. Furthermore, Mexican tarragon makes an agreeable aesthetic addition to your garden. It is a perennial with a tidy shape (about three feet tall and wide). It has a charming show of cute yellow flowers similar to marigold, its close relative, that will attract and feed pollinators. Plant it on borders so you can delight in its fragrance while brushing past, and collect flower petals for a colorful garnish to summer salads.

Oregano flowers (*Origanum vulgare*) are a favorite of pollinators of all kinds, especially

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FLOWER FLIES: BENEFICIAL BEE MIMICS

Is it a bee? Is it a wasp? It's a flower fly! Also referred to as hoverflies, flower flies are one of the lesser-known beneficial insects in the garden. Adult flower flies feed on nectar and pollen and are important pollinators just like their mimicked bee counterparts. The larvae, depending on the species, feed on decaying matter or plant-sucking insects like aphids and thrips, making them great garden allies!

Here are three ways to distinguish flower flies from bees:

1. They only have one set of wings that they hold at the sides of their bodies at about a 45° angle (bees fold two sets of wings on top of their bodies.).
2. They have short, stubby antennae.
3. They have larger compound eyes on a rounded head.

Although they are generally known to visit weedy plants like alyssum, mustard, and thistles, several species visit common drought-tolerant plants throughout the Arboretum and Public Garden. You can find several of these plants at our fall plant sales, including blue-eyed grass (*Sisyrinchium bellum*), blanket flowers (*Gaillardia* cultivars), butterfly rose (*Rosa x odorata* 'Mutabilis'), and Wayne Roderick seaside daisy (*Erigeron* 'W.R.').



Flower fly on a blanket flower.



Photo: Rachel Davis

Flower fly on a rose.



Photo: Rachel Davis

Flower fly on blue-eyed grass.



Photo: Rachel Davis

Flower fly on a Wayne Roderick seaside daisy.

HABITAT FOR POLLINATORS AND FLAVOR FOR YOUR PLATE

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bees (including our native species). We will be carrying a few types of oregano at the sales, as well as Sicilian marjoram, a hybrid of marjoram and oregano, with a sweet, mild flavor. Most oreganos are drought-tolerant, vigorous, competitive perennials that like well-drained soil. Oregano can be used fresh, but the flavor is less intense when dried; luckily our climate is amenable to easily drying your own herbs!

LOOK FOR HERBS IN THE GOOD LIFE GARDEN

As we make herbs more available to our plant sale shoppers, we are also excited to begin growing oregano, savory, basil, thyme, parsley and more in the Good Life Garden. Thanks to the generosity of donors during our "GATEway to the Edible Campus" community campaign, we are transforming the garden with the help of campus partners including the Robert Mondavi Institute for Wine and Food Science's Honey and Pollination Center and the Olive Center, as well as the academic departments of Food Science and Technology and Viticulture and Enology.

Herbs couldn't be better plants to connect the work being done by all of our partners, as they support pollinators, are climate appropriate, and align perfectly with the overarching mission of the garden to communicate the important connection between good food, good health and a healthy environment.

We want to share these messages with campus visitors and UC Davis students alike. The Good Life Garden serves as the primary location for the Leading by Leading™ Edible Landscaping internship, a program in which students take leadership roles in designing and maintaining edible gardens on campus. These gardens increase access to nutritious food, provide educational outreach and leadership opportunities and share and celebrate the values and connections inherent in growing food with and for others. Produce grown by the students goes to the student food pantry on campus, empowering our students to directly address issues of food insecurity in their own community.

Look for students and volunteers planting herbs in the Good Life Garden this season, and start brainstorming some of your favorite herb recipes! We look forward to seeing you at our upcoming sales.



LEARNING BY LEADING™ GOES INTERNATIONAL

Learning by Leading™ pilot partners in front of Nature's Gallery Court: Carmia Feldman, Dr. James Anderson, Melissa Cruz, Jenny Cruse-Sanders, Jimmy Vincent, Alix Link and Kathleen Socolofsky.

Members and donors like you not only help support the care and growth of our gardens, but also our programs like Learning by Leading™. One of our goals with the continued development of this program is to magnify the environmental impact we have seen on this campus by collaborating with and providing tools for other institutions interested in launching their own Learning by Leading™ programs. We are proud to report that, thanks to your support and the support of generous donors, our goal of expanding the reach of this program is working!

Attention on the program has been building as other institutions interested in student leadership, real-world environmental transformation and community engagement like Smithsonian Gardens, Cornell University, Ohio State University, the Imagining America consortium and others invite our Assistant Vice Chancellor and Director Kathleen Socolofsky to speak all over the country about Learning by Leading™. In fact, we struggle to keep up with the requests for additional information!

Now, thanks to a generous gift from the Excelerate Foundation, we are working on a set of handbooks to help educate others, document our best practices and provide a framework for implementing Learning by Leading™ programs elsewhere. To begin this process we are working as a team with pilot partners from the State Botanical Garden of Georgia at the University of Georgia and Humber Arboretum + Centre for Urban Ecology at Humber College in Toronto, Canada as they implement Learning by Leading™ at their sites.

After many conversations, working sessions and in-person visits to witness our Learning by Leading™ program in practice, we and our pilot team presented our expansion progress to over 20 university and non-university gardens from throughout North America at the 2018 American Public Garden Association conference — many of these attendees will now join us in continuing to explore the development of our Learning by Leading™ program and network.

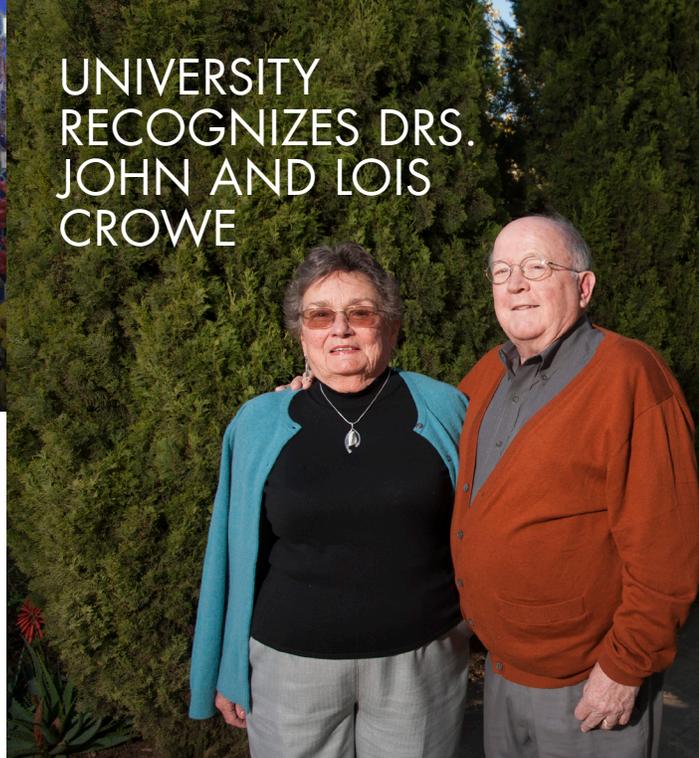
NEW WEBSITE LAUNCHED

Our entire campus is a public garden, so it is only fitting that our new website features the whole UC Davis Arboretum and Public Garden team: the Arboretum, the Putah Creek Riparian Reserve and our award-winning Grounds and Landscape Services team. Visit us online and let us know what you think!



ARBORETUM.UCDAVIS.EDU

UNIVERSITY RECOGNIZES DRs. JOHN AND LOIS CROWE



We extend congratulations to Arboretum and Public Garden supporters Drs. John and Lois Crowe as recent recipients of the UC Davis Medal, the highest honor the campus bestows on individuals to celebrate extraordinary contributions. The award recognizes their academic work at UC Davis, as well as their philanthropic leadership.

Both John and Lois have actively supported the Arboretum and Public Garden's growth and development over many years. They are founding members of our GATEways Planning Council, in which they have provided high-level advocacy and planning advice as we expand the impact of the UC Davis GATEways Project (Gardens, Arts and The Environment) and Learning by Leading™ program across campus and beyond. Additionally, Lois has supported us through her leadership as a member of the Friends of the UC Davis Arboretum and Public Garden Board.

John and Lois have made generous annual gifts since the beginning of their association with the Arboretum and Public Garden, and in 2007, they funded the renovation of Arboretum Terrace Garden with beautiful new fountains, pergolas, and decorative paving designed by noted landscape designer Michael Glassman. We were very pleased to dedicate the Lois Crowe Patio in Lois' honor at John's request. This gift was an expression of Lois' passion for teaching about landscaping for Mediterranean climates, as well as her interest in making donations that motivate others to give.

Both John and Lois have a keen strategic interest in showing what is possible, creating opportunities for leveraging their support, encouraging others to appreciate the Arboretum and Public Garden and building connections with potential new supporters. In addition to their major gift to enhance the Terrace Garden, the Crowes have established a Terrace Garden endowment and an estate gift to support the Arboretum and Public Garden. Thank you, John and Lois!

TOP 5 PLANT SALE FAVORITES

Taylor Lewis, Nursery Manager

The Arboretum Teaching Nursery is brimming with thousands of amazing plants which makes it really hard to pick just five, so after much debate between Propagation Specialist Lisa Fowler and me, we happily present you with five not-to-be-missed plants that we will have available at our upcoming fall plant sales. (Photos by Katie Hetrick)



flowering onion
Allium 'Millenium'
(yes, only one "n")

What a rock star! Here's a super drought-tolerant flowering bulb that brightens up any sunny garden. This 2018 Perennial Plant Association "Plant of the Year" has also stolen our hearts with its large, spherical orchid-purple flowers, tidy, low-maintenance appearance and low-water needs. Pollinators and beneficial insects visit colorful blooms all summer long. Growing only to 16" tall, 'Millenium' can find a home in any sunny landscape.



coneflower
Echinacea purpurea
'Ruby Giant'

This is your next must-have, summer-blooming perennial. This coneflower grows to 24" tall and clumping. 'Ruby Giant' surpasses expectations as a result of its natural, vigorous habit and non-flopping stems that hold 5", fragrant, ruby-pink flowers that look great in arrangements. Try 'Ruby Giant' in a hot, dry spot with poor soil to attract numerous bees and butterflies. Allow the spent blooms to stay until the song birds have a chance to eat the seeds.



mangave
x *Mangave* cvs.
(Mad About Mangave® Collection)

Ok, this is more than one plant, but once you see them, you'll understand. A genus cross between patterned Manfreda foliage with the habit and tolerances of Agave give way to a stunning and unique new plant for your garden. Easily fits into nearly every potential place in your yard. Pots? No Problem. Bright shade under trees? Easy. Full sun? Bring it on. This cold-hardy collection has year-round color and interest, and there are several distinctive cultivars to try.



monkey flower
Mimulus cvs.
(Jelly Bean™ Series)

Here's another fantastic new series for the horticulture world, and it's impossible to pick just one. If you've been trying to establish a California native monkey flower in your yard without success, try once more. They are bushier, come in diverse colors and offer an extended bloom season. They are heat and drought-tolerant, easy-maintenance plants that attract hummingbirds and pollinators throughout the year. Plant in full sun to bright shade and enjoy.



bottlebrush
Callistemon 'Neon Pink'
Bottle Pop™

How long has it been since a bottlebrush has blown my mind? Our volunteers planted a few of these in our hedgerow outside the nursery and they can stop traffic. The stunning display of vibrant, punk-rock pink flowers will attract every hummingbird in the neighborhood. Quickly growing to 10' H x 10' W. These are tough, cold hardy, low-maintenance winners. Use it as a specimen shrub/small tree or a fantastic blooming hedge.



COLLECTION SPOTLIGHT: THE IMPORTANCE OF OUR OAK GROVE

This October we hope you will join us at one of the many programs we are offering to get know more about oaks and our oak collection. See our event calendar for more information.

Started in 1962, Shields Oak Grove is unique for its tremendous diversity of mature trees from around the world with a special emphasis on species from warm and dry climates. As one of the largest public collections of oaks in the United States, it has attracted oak researchers and enthusiasts for decades. In 2007, the oak

collection became nationally accredited through the American Public Gardens Association Plant Collections Network in recognition of the Shields Oak Grove's diversity, value, and high standards of museum records and care. Soon, the grove will host one of the largest-ever

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UC DAVIS



ARBORETUM AND PUBLIC GARDEN

FALL 2018 GATEWAYS EVENTS

plant sales

Arboretum Teaching Nursery
Garrod Drive, UC Davis
arboretum.ucdavis.edu



PUBLIC SALES

Sat., Sept. 29

9-11 am members only
11 am-1 pm general public

Saturday, October 13, 9 am-1 pm

Saturday, November 3, 9 am-1 pm
(Clearance Sale)

*Members always
save 10% on
every purchase!*

Not a member?
Join online, at the door
or call ahead!

music & wellness

FOLK MUSIC JAM SESSIONS

**Fridays, October 5 & 19; November 2,
16 & 30; December 14 & 28,** noon-1 pm
Wyatt Deck

Folk musicians are invited to bring their acoustic instruments and play together informally over the lunch hour. All skill levels are welcome, and listeners are invited.

TEA AND CONVERSATIONS

Sunday, October 14, 11 am-1 pm
Wyatt Deck

Join us and sample some salty, sweet, bitter, sour, and umami flavored teas! Experience these five distinct tastes, unplug, and enjoy the scenery. Co-sponsored by the Global Tea Club and the Arboretum and Public Garden. Everyone is welcome to this free public program.



YOGA IN THE ARBORETUM

Saturday, December 1, 11 am-12 pm
Arboretum Gazebo

De-stress, exercise and enjoy nature with an hour of yoga in the UC Davis Arboretum, appropriate for all skill levels led by a certified instructor. Dress comfortably, and bring a towel or yoga mat and water bottle. Sponsored by the Arboretum Ambassadors.

guided tours

WEDNESDAY WALKS WITH WARREN

October 10, November 14, noon
Arboretum Gazebo

Join Warren Roberts, the Superintendent Emeritus of the Arboretum and famous storyteller and punster, for an always-engaging noontime exploration of fall in the UC Davis Arboretum's gardens and collections.



MEET THE ARBORETUM TOUR

Friday, November 2, 5-7 pm
Wyatt Deck

Are you wondering what's up in the Arboretum? Join us for an informal walking tour led by the Learning by Leading™ education interns. You'll discover more about our gardens and plant collections as well as our free public programming.

classes

LEARN AND SHOP CLASSES

October 30: Ready for Winter? Garden Prep for the Cold Season
December 11: Winter Pruning Tips and Techniques

10 am-noon, Arboretum Teaching Nursery
Tickets: \$18 General/\$12 Friends members

Join Nursery Manager Taylor Lewis for a 90-minute plant workshop, followed by private shopping time in the Nursery. Class size is limited and pre-registration is required.



To purchase tickets visit our website or call (530) 752-4880.

all about oaks

OAK-TOBER CELEBRATION AT SUDWERK DOCK

October 4, 5-8 pm
Sudwerk Brewing Co. Dock
2001 Second Street, Davis

Help celebrate the fall season and the start of "Oak-tober." Learn about Arboretum and Public Garden events and projects, enjoy hands-on activities and be among the first to try a Sudwerk Brewing Co. beer featuring a new, custom "Arboretum Oak" label. Event is free; a portion of all beer purchases will be donated by Sudwerk to support the Friends of the UC Davis Arboretum and Public Garden.



(Photo CC BY-NC-ND 2.0 Kevin McDonnell)

OAK DISCOVERY DAY

Sunday, October 21, 1-4 pm
Shields Oak Grove

Celebrate all things oak and learn about trees from around the world in the Arboretum and Public Garden's nationally accredited oak collection. This interactive event will feature Native Californian acorn grinding and food preparation demonstrations, self-guided tours, and many all-ages activities under the canopy of the majestic Shields Oak Grove.



FIRE AND CALIFORNIA OAKS

Sunday, October 21, 6-8 pm

UC Davis Conference Center

Tickets: \$25 general/\$20 Friends members

Rub shoulders with oak experts from around the world at the opening reception to the 9th International Oak Society Conference. Enjoy appetizers and drinks followed by a talk by Dr. David Ackerly, Dean of the UC Berkeley College of Natural Resources, on "Recovery and Resilience of Oak Woodlands Following the October 2017 Tubbs Fire." His studies will help us better predict the long-term impacts of climate change and fire on California oak landscapes.



To purchase tickets visit our website or call (530) 752-4880.

DONATIONS *May - July 2018*

We extend our sincere gratitude to these donors

We strive to acknowledge your gifts accurately. Please notify us of any corrections.

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In Memory of Thelma Dietrich
Tosi Marceline & Philip Kitchen
Rich Naval and Warren G. Roberts

In Memory of Susanne Rockwell

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John Conroy
Justin Cox
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Ryan Taylor

In Honor of James Irving Mallory

Mary Mallory Rogers &
Ron Rogers

In Memory of Lucy Ellen Weier

Krystallis
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In Memory of Mary C. Major

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In Memory of Georgie Waugh

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Sacramento Region Community
Foundation

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Learning by Leading Program

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*other give day gifts acknowledged
in summer 2018 newsletter

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STAFF NEWS

DAVID DICKSON

We are thrilled to welcome David Dickson in the role of GATEways Gardening Specialist. David will collaborate with other members of our horticulture team to perform landscape stewardship and maintenance in our living museum. David comes to us with an extensive background in horticulture, agriculture, turf management, and nursery production. You can find him working in the middle and west end of the Arboretum.



HAVEN KIERS

Congratulations to our GATEways Project Manager Haven Kiers, who was recently selected to be an Assistant Professor in Landscape Architecture at UC Davis with a special emphasis in urban plant materials and planting design. As a lecturer, her studio design/build course resulted in the wonderful transformation of the campus's Hunt Hall courtyard into a student-created showcase of sustainable design. Now Haven will serve as a perfect bridge between the horticulture and plant expertise of the Arboretum and Public Garden and the innovative sustainable design expertise of the Landscape Architecture + Environmental Design program.



MATT LECHMAIER

We are also pleased to welcome Matt Lechmaier as a GATEways Gardening Specialist. Matt comes to us from the Center for Land-Based Learning, where he worked with high school students implementing native restoration projects. Matt will assist with care and conservation of our plant collection. You can find him working in the native and naturalized collections in the middle and west end of the Arboretum.



RETIREMENTS

ELLEN ZAGORY

We are both delighted and sorry to announce the retirement of our Director of Horticulture, Ellen Zagory. Over the last 34 years, Ellen has filled our offices and our lives with laughter and has inspired us with her leadership. Ellen's career spans many years of the Arboretum and Public Garden's growth. Originally hired



part-time to develop interpretive signs for our demonstration gardens, Ellen soon became a staff horticulturist and later, a well-recognized educator, sharing her passion for drought-tolerant and pollinator-friendly gardening up and down the state.

Ellen built our first nursery at Arboretum Headquarters and led a volunteer team that propagated thousands of plants for our gardens, our plant sales and, thanks to her knowledge and leadership, helped launch the ever-popular Arboretum All-Stars plant program. Over the course of her career, she has guided the development of our collections, reimagining some of our established gardens and designing many beautiful new teaching collections from scratch. We will always be thankful to Ellen for her decades of service.

ELAINE FINGERETT

It is also with mixed emotions that we announce the retirement of Elaine Fingerett. Elaine started as volunteer, giving tours to school children, but her passion for education and innate ability to connect our outdoor environment with the learning, discovery and community engagement mission of the university made her an invaluable academic coordinator for our team.



With strong ties to the arts and science communities as both a musician and scientist, Elaine partnered with faculty from diverse academic departments to develop engaging GATEways programs featuring our campus's strengths in English, Creative Writing, and Theatre and Dance, as well as environmental science programs featuring ants, turtles, chemistry and more.

Elaine was also a pioneer in developing the Arboretum Ambassadors internship, the very first student team in our Learning by Leading™ program, which helped establish the model we are now piloting in other North American gardens. We will always be grateful for Elaine's contributions as they have been instrumental to our overall purpose and impact.

OAK COLLECTION

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gatherings of oak experts from around the world when the International Oak Society Conference is held at UC Davis from October 21-24.

California's recent extreme heat, droughts, floods, and fires have brought home the need to have a more resilient tree canopy in our cities – a canopy that is not dependent on regular irrigation to thrive. Oaks are special candidates in

the search for heat- and drought-tolerant trees because they are long-lived, strong-wooded plants, and many oak species originate in arid climates. In fact, due to limited resources, most of the trees in Shields Oak Grove did not have any summer irrigation for the first 30-40 years of their lives. These trees have been stress-tested, and the enduring survivors point the way to promising future street trees, park trees, and more.

Beyond cities, climate change is also affecting the natural habitats of oaks and

providing a new threat to the survival of rare species. Under the leadership of Dr. Shannon Still, Curator and Director of Plant Conservation, we are seeking to collect and grow a greater representation of rare oaks to “back up” their genetic diversity in Shields Oak Grove, on campus and with collaborating public gardens nationwide. Both as a testing ground for trees of the future and as a repository for plant conservation, the oak collection in Shields Oak Grove holds critical environmental value.

UC DAVIS ARBORETUM AND PUBLIC GARDEN REVIEW

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Eldridge Moores
Judy Moores
Rich Naval
Warren Roberts
Howard-Yana Shapiro
Nancy Shapiro

ARBORETUM AND PUBLIC GARDEN LEADERSHIP

Kathleen Socolofsky, Assistant Vice Chancellor and Director
Carmia Feldman, Assistant Director
Andrew Fulks, Assistant Director

STUDENT STAFF

Laura Breidenthal	Benjamin Macy
Tiffani Butler	Vanessa Martinez
Whitney Carter	Amber Medina
Miles Cressy	Kyle Parker
Estrella Cruz	Raphael Quejado
Zachary Emerson	Cory Quon
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Kendal Hicks	Stephanie Tsui
Muga Kim	Brady Wainio
Manisha Koneru	Amanda Wong
Katherine Kroger	Cameron Wong
Vivian Le	

Dear Friends,

As gardeners, we look forward to fall, which is the best season of the year to plant because cooling temperatures and winter rains help new plants get established without too much supplemental irrigation. The other great thing about fall is the return of our plant sales! See the cover article to learn how we're expanding the selection of herbs at the plant sales, and see page 4 for Nursery Manager Taylor Lewis' favorite plant picks for this fall. Don't forget to attract more pollinators and other beneficial insects, like "flower flies," to your garden with more great plant picks on page 2.

We are also excited to be celebrating oaks this fall. See page 4 and the calendar of events on page 5 to find out about the importance of oaks in general and our oak collection specifically, as well as some special oak-related events that we invite you to attend.

Plants aren't the only things growing at the Arboretum and Public Garden. We are pleased to tell you more about how our Learning by Leading™ program is growing and expanding as more institutions across North America want to learn how to replicate the leadership development and impact at their sites (see page 3). In addition, our website is growing and changing to encompass all of the destinations and programs of the whole Arboretum and Public Garden team (page 3).

We are also announcing some staff changes to our team, with two retirements, a job change and two hires (see page 7). We say goodbye to retiring staff members, Director of Horticulture Ellen Zagory and Academic Coordinator Elaine Fingerett. Both have contributed so much over the years, and we are glad that they will continue as professional service volunteers in the future!

As always, we are grateful to all our donors and members who help sustain our work (see page 6). We especially want to thank Drs. John and Lois Crowe who recently received the university's highest honor, the UC Davis Medal, in recognition of all their contributions, including their volunteer and philanthropic work on behalf of the UC Davis Arboretum and Public Garden (see page 5).

Remember that fall is a great time to visit the gardens, shop at a plant sale or participate in a program (see page 5). We hope to see you here soon!

Kathleen