

bulletin

 MISSOURI BOTANICAL GARDEN

Spring 2016
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Thank you! Your membership provides critical support for our international and local plant science and conservation work, and Garden memberships contribute 20% of our annual operating funds.

To learn more about the benefits of your membership, visit www.mobot.org/membership, email membership@mobot.org, or call (314) 577-5118.

hours and admission

For hours and admission prices at our three locations, visit www.mobot.org, www.butterflyhouse.org, and www.shawnature.org.

contact

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on the cover

Daffodil season is here! Find out all the different ways to celebrate this springtime favorite on page 8.
Photo by Maddy Gordon.

credits

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To discover and share knowledge about plants and their environment in order to preserve and enrich life.

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from the president



Spring is always an exciting time at the Missouri Botanical Garden, Sophia M. Sachs Butterfly House, and Shaw Nature Reserve. Just as the warmer temperatures bring new life to the world around us, the season also brings new and exciting offerings for our visitors.

First, you'll notice the *Bulletin* has a fresh new look. It has been reimagined to offer you a more enjoyable reading experience and easier access to the stories and information you want to know. With new sections such as "What Can You Do?" (see page 8) and "Just for Members" (see page 18), the *Bulletin* is truly your guide to all the wonderful ways you can connect with the Garden and the world of plants.

Spring also means the reopening of some of our iconic spots and the announcement of new ones. On April 2–3, we invite you to our "Meet Me (Outdoors) in St. Louis" event, where we'll kick-start spring by celebrating the great outdoors (see page 9), commemorate the 10th anniversary of the Doris I. Schnuck Children's Garden, and debut the renovated Brookings Exploration Center and the new greenhouse-like classroom (see page 10). You can also learn about the new Oertli Family Hardy Plant Nursery, which will greatly enhance our horticulture and conservation work (see page 16).

I am also pleased to share that the Garden's efforts are being recognized in a recent progress report by the U.N. Convention on Biological Diversity regarding the Global Strategy for Plant Conservation (GSPC). The Garden has played an important role in the development and implementation of the GSPC and has incorporated it in a fundamental way into its programs. Our work is closely integrated with community development, poverty alleviation, and the development of greater socio-economic incentives for plant diversity conservation. I look forward to sharing more of our stories with you.

Finally, be sure to also read about the exciting changes coming to the membership program this spring (see page 14). Through the years, you've told us what you value and how you use your membership benefits. These enhancements reflect not only your feedback but also our commitment to optimize your experience and to celebrate the role you play in our successes. On behalf of the Garden, thank you!

A handwritten signature in cursive ink that reads "Peter Wyse Jackson".

Dr. Peter Wyse Jackson, *President*

what's new?



Senator Nasheed expressed her interest to Senior Vice President of Science and Conservation Dr. James Miller in connecting underrepresented students to science.

Missouri State Senator Visits the Garden's Research Facilities

Senator Jamilah Nasheed (D-St. Louis) visited the Garden on November 16 as part of the 7th Annual Biological Sciences Congressional District Visits event organized by the American Institute of Biological Sciences. The goal of this nationwide initiative is for scientists to engage public officials and showcase the people, facilities, and resources needed to conduct research.

During her visit, Sen. Nasheed toured the Garden's Herbarium, lab, and Library in the Monsanto Research Center. She met with Garden scientists as well as research associate Dr. Allison Miller and graduate student Stephen Callen from Saint Louis University.

Stumped? It's Just the Newest Addition to the Garden

Next time you're walking by the Shoenberg Administration Building on the south end of the Garden, you may notice tree stumps and logs laying on the ground. Often considered waste, these structures are being used to create a new stumpery garden, characteristic of the English romantic period in the 19th century and very popular in the U.K. today.



These gardens emphasize the beauty of nature by utilizing the nooks and crannies of upturned tree roots to create ideal conditions for growing a variety of ferns, mosses, and shade-loving plants. Most of the stumps are eastern red cedar from Shaw Nature Reserve, which has been replacing these invasive native trees with other well-behaved native plants as part of its ecological restoration efforts.

Board of Trustees Elects New Members

Three new members joined the board in December.



Kirk A. Imhof

Chief Diversity Officer /
Vice President,
Talent Acquisition at
Centene Corporation



Chris Lewis

General Counsel
at Edward Jones



Dr. Jeff Pittman

Chancellor at
St. Louis
Community
College



One Step Closer to Online Flora Goal

Garden representatives traveled to Brazil in October for the latest meeting on the World Flora Online (WFO), which, thanks to the support of the Monsanto Company, aims to have an online flora of all known plants by 2020. The WFO Council discussed recommendations and action plans to achieve its goal and expects to have a functioning portal by this spring.

Garden President Dr. Peter Wyse Jackson was re-elected chair of the WFO Council, and Pierre-André Loizeau, of The Conservatory and Botanical Garden in Geneva, was elected co-chair. The Garden's Chuck Miller was re-elected chair of the Technical Working Group, and Mark Watson, of the Royal Botanic Garden Edinburgh, was elected co-chair. The next meeting will be in New York this April.

Garden to Expand Nursery Operations Starting This Spring

The Oertli family has donated 6.38 acres of land to the Garden to create the Oertli Family Hardy Plant Nursery. The new space, located several blocks south of the Garden on the west side of Bent Avenue, will allow the Garden to grow hardy herbaceous perennials and woodies for annual displays, with a focus on wild-collected specimens. To learn more about the Nursery, [see page 16](#).

Continued Support for Sprouting Science in St. Louis



(from left) Boeing's Brittany Douglas; Garden President Dr. Peter Wyse Jackson; and Boeing's Jeff Sweet and Amber Hersh.

In December, The Boeing Company renewed its support to the Garden's *Sprouting Science in St. Louis: Digging Deep with Urban Youth*. The joint initiative with St. Louis Public Schools weaves early childhood education and urban biodiversity through classes, outreach, family engagement events, and professional development for teachers.

Garden Implements New Rain-Capturing Irrigation System

62,390
gallons of water the
water storage vault
holds



The three-year project repurposes an underground storage tank to capture rain water to irrigate the Temperate House and Climatron®. Together, the two conservatories use 500 to 1,000 gallons of irrigation water per day. The new system replaces the 200,000 gallons of city water used each year and the high-tech purification system that costs about \$6,000 annually in maintenance.



New Features at Family-Friendly Trail

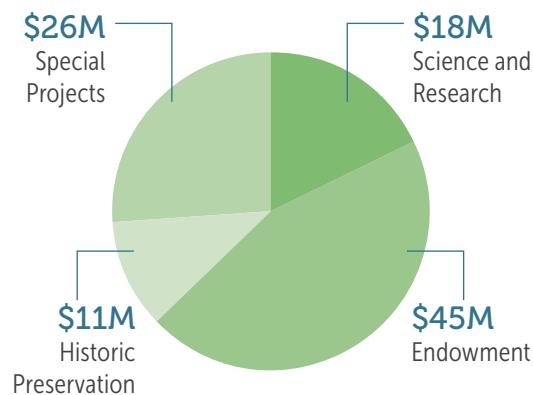
Visitors exploring the Sense of Wonder Woodland at Shaw Nature Reserve, located behind the Nature Explore Classroom, can now enjoy the new Tree-Ceratops climbing structure, a butterfly swing, a vine tunnel, critter apartments, and a critter hotel.

The critter hotel provides shelter for native wildlife.

photos by Rachel Weller and courtesy of Boeing

\$100 Million

The Oertli Family Hardy Plant Nursery is a project of the Garden's *Garden for the World* capital campaign. We are honored to share that the campaign has reached \$100 million. This milestone represents an incredible commitment to the Garden and its future by thousands of generous donors. Here is a snapshot of where those funds are already making a difference.



Our work isn't done, and we will continue to raise funds for our most critical projects. To find out how you can help, please visit www.mobot.org/fortheworld.

Recent Recognitions for the Garden

- Choice's Outstanding Academic Title for *No More Robots* by Dr. Bob Coulter, Director of the Garden's Litzsinger Road Ecology Center.
- Andrew Wyatt, Vice President of Horticulture and Living Collections, named to *St. Louis Business Journal's* 40 Under 40.
- Royal Society of Biology's Postgraduate Textbook Prize for *Curating Biocultural Collections* by Senior Curator Dr. Jan Salick.
- The Associated General Contractors of Missouri 2015 Construction Heritage Award awarded to the Garden.
- Two Brassicaceae genera named in honor of Senior Curator Dr. Ihsan Al-Shehbaz.

did you know?



Dr. Salick has been working with indigenous peoples worldwide since 1973 and studying their interactions with climate change since 2000. Her work includes research in the Himalaya and Tibetan Plateau, a temperate biodiversity hotspot. The historic agreement reached on December 12 recognized for the first time the role of indigenous knowledge in understanding and addressing climate change.

Garden Curator Invited to Paris

Senior Curator of Ethnobotany Dr. Jan Salick was one of the scientists invited by the United Nations Educational, Scientific and Cultural Organization (UNESCO) to present at a sponsored event leading up to the 21st Conference of the Parties (COP21) in Paris in December. At the two-day conference, indigenous peoples from all over the world and select scientists discussed how climate change action benefits from the inclusion of indigenous knowledge. “Indigenous peoples’ traditional lifestyles are based on nature, and research shows they can provide insight into adaptation and mitigation,” Salick says. “Local knowledge is something that meteorological models and projections can’t capture.”

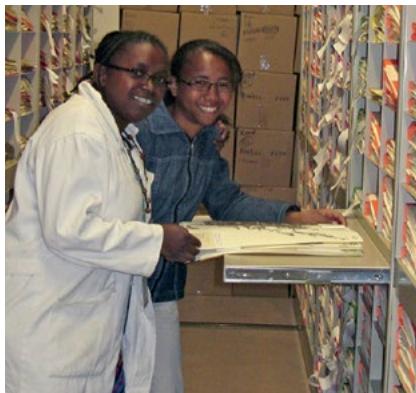


Dr. John La Salle, Director of the Atlas of Living Australia, was one of the presenters at the climate change workshop.

Garden Hosts International Climate Change Workshop

On December 2–3 the Garden hosted a workshop titled “Using Biodiversity Specimen-Based Data to Study Global Change” sponsored by the Integrated Digitized Biocollections (iDigBio), the National Resource for Advancing Digitization of Biodiversity Collections (ADBC) funded by the National Science Foundation.

Scientists from the U.S., U.K., and Australia discussed potential climate change questions that can now be addressed thanks to the data available through iDigBio, which supports networks of institutions around the world in creating millions of digital images and records from biological collections. The data will help answer questions such as *Could climate change affect the timing of flowering and emergence of plants' pollinators?* or *Have organisms moved geographically over the years in response to climate change?* “The answers may help us understand the effects of climate change now and in the future,” says Dr. Adam Smith, Global Change Ecologist at the Garden’s Center for Conservation and Sustainable Development. Learn more at www.mobot.org/plantscience.



Dr. Randrianarivony (left) and Dr. Rakotoarivelovo (right) visited the Garden’s Herbarium in 2011 as part of their training with the WLBC.

Garden Training Tomorrow's Plant Scientists

In November, Nivo H. Rakotoarivelovo and Tabita Randrianarivony became the first doctoral students to receive a degree in ethnobotany from the University of Antananarivo in Madagascar. They are also the first PhD students to be fully financially supported by the Garden’s program in Madagascar.

Since 2008 the Garden’s William L. Brown Center (WLBC), as part of

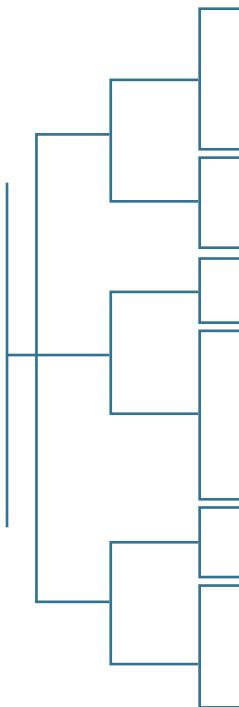
the Africa and Madagascar program, has supported and advised Malagasy students in their efforts to receive advanced degrees. For five years, the two students worked alongside WLBC staff doing field studies around two of the conservation sites managed by the Garden in Madagascar—Dr. Rakotoarivelovo in the Vohibe forest and Dr. Randrianarivony in the Analavelona sacred forest.

As part of its capacity-building efforts, and thanks to the support of the Sehgal Family Foundation and Dr. Surinder Sehgal, the WLBC trains students in developing countries that are home to the majority of the world’s plant species. Students learn in the field, at workshops, or through collaborative programs with universities, like the one with the University of Antananarivo.

more than

180

new plant species
described in 2015 by
Garden scientists



What is the taxonomic impediment?

Taxonomy, a process of naming, describing, and organizing information about living things, is at the core of plant science. As any botanical taxonomist can tell you, without a name, a plant doesn't exist for science. "It could cure cancer, but if you don't know what it is, you can't go back and find more of it," Dr. Charlotte Taylor explains.

The taxonomic impediment, therefore, is defined by the UN Convention on Biological Diversity as "the knowledge gaps in our taxonomic system (including those associated with genetic systems), the shortage of trained taxonomists and curators, and the impact these deficiencies have on our ability to conserve, use, and share the benefits of our biological diversity."

Recent Grants Awarded to the Garden

\$1,041,428 Model-BEST (Building Enhanced Scientific Thinking)
National Science Foundation

\$150,000 Outreach and education programming at Shaw Nature Reserve for schools and families
Missouri Department of Conservation

\$91,000 Midwest Clean Air Stewardship: Building Upon the St. Louis Ozone Gardens
Environmental Protection Agency

\$57,000 Recycling Education
St. Louis Jefferson Solid Waste Management District

\$49,457 Advancing cooperative conservation of key protected areas in Peru's Selva Central
*U.S. Fish & Wildlife Service,
Division of International Affairs*



Plant Discovery by the Numbers

Dr. Charlotte Taylor,
Curator

326 new plant species described
to date

25 years as a plant taxonomist at
the Garden

19 plant species new to science
described in 2015

2 times she has discovered a new
species while in the field versus in
the herbarium

1 of eight females among the 500
most productive plant name authors
of all time*

Dr. Taylor is considered one of the world's leading experts on Rubiaceae, also known as the coffee, quinine, madder, or bedstraw family. We asked her about her work as a Garden scientist.

Taxonomy: "I love jigsaw puzzles. Taxonomy is a lot like jigsaw puzzles, but no one knows what the right answer is. You just have to figure it out."

Next generation: "What concerns me is that the value of taxonomy will not be appreciated until you've run out of the people who know how to do it, and then you have to build up the capacity. In the meantime you may lose expertise, and it's really expensive and hard to get it back."

Visit www.mobot.org/plantscience to learn more about Dr. Taylor's work, how one of her plants saved her husband's life, and more.

**Mind the (gender) gap* (March 30, 2015); Kew Botanic Gardens; www.kew.org/discover/blog

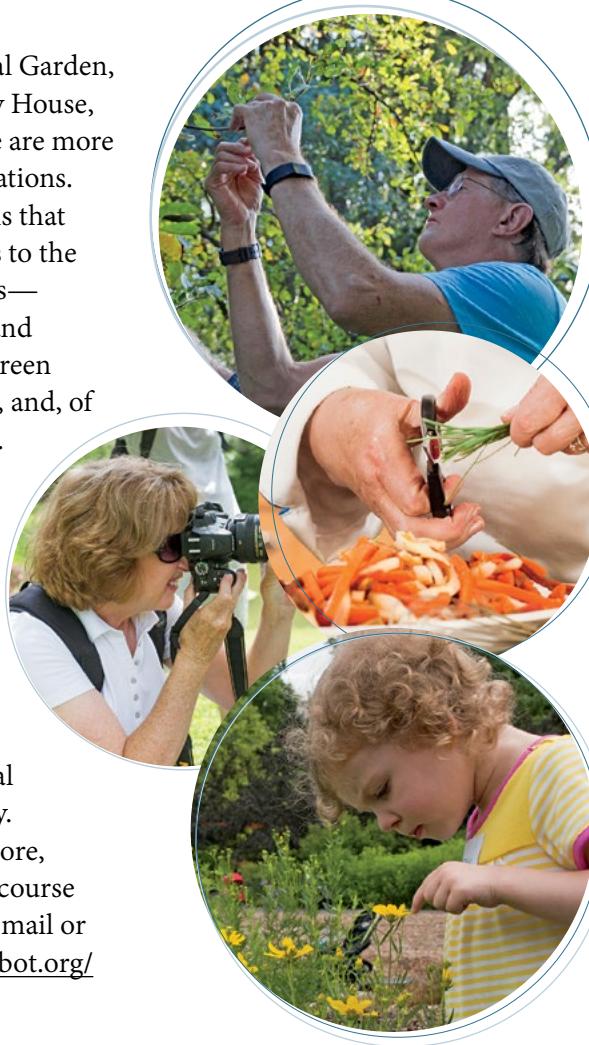
what can you do?

Come Grow with Us!

The Missouri Botanical Garden, Sophia M. Sachs Butterfly House, and Shaw Nature Reserve are more than just beautiful destinations. They are living classrooms that connect people of all ages to the wonderful world of plants—from cooking, painting, and photography courses to green living, outdoor exploring, and, of course, gardening classes.

Registration for the spring/summer session is now open, and there is something for everyone. Now is the perfect time to learn a new skill, discover a new passion, or reconnect with the natural world in a whole new way.

To learn more, look for your course catalog in the mail or visit www.mobot.org/classes.



Gardeners can find a wide range of resources for all their needs—from plant doctors to seasonal tips.

The Center for Home Gardening Is Always Open

Your home garden is finally awakening after a long, cold winter. If you're looking for inspiration; want to know the best practices to start, maintain, or expand your garden; or need to solve a plant problem, the William T. Kemper Center for Home Gardening is your one stop for all your home gardening needs. Come by and visit the demonstration gardens, stop by the Plant Doctor desk, call the Horticulture Answer Service at (314) 577-5143, or check out www.mobot.org/gardeninghelp.

Daffodil Season Is Here!

What better way to welcome the season than by celebrating this springtime favorite?



How did thousands of daffodils come to be at Shaw Nature Reserve? Don't miss "Inside Look at Shaw Nature Reserve: Daffodil Hike" on March 30 at 10 a.m. www.mobot.org/classes



Join us April 9 at 9 a.m. for the third annual Daffodil Dash 5K trail run at Shaw Nature Reserve. Fun for everyone! www.shawnature.org



The Greater St. Louis Daffodil Society is hosting the 2016 World Daffodil Convention on April 6–10, including a tour of the Garden. www.stldaffodilclub.org



Order by
APRIL 20
to receive by
Mother's Day!

Give the Gift of the Garden

Want to show Mom how much she means to you? Have a teacher to appreciate at the end of the school year? Consider a gift membership! Give a year of admission to the Garden, the Butterfly House, and the Nature Reserve. Members also enjoy discounts on special events, classes, and shopping along with other great benefits.

Visit www.mobot.org/membership, call (314) 577-5118, or visit the Membership Services Desk to purchase a gift membership.



Create a Pollinator Haven in Your Backyard

Every third bite of food people eat is made possible by a pollinator. In fact, more than 75% of flowering plants, including the ones that feed us, rely on animal pollinators. However, pollinator populations have been declining at an alarming rate, and one of the factors contributing to that decline is habitat loss.

This spring, the Butterfly House and St. Louis County are launching Project Pollinator, a community garden initiative. The project aims to create demonstration gardens in county parks, libraries, and other public spaces, and to engage the community in learning more about restoring pollinator habitats to improve the health of native pollinators.

To get started, visit the Butterfly House on March 15 at 10 a.m. for the official project kickoff and take home sample plants to start your own pollinator-friendly garden. You can also learn more at www.butterflyhouse.org/projectpollinator.



Reduce Horticultural Waste

As you rediscover your garden this spring, don't forget to recycle those plastic garden pots, polystyrene cell packs, and trays. Help reduce the amount of horticultural waste in landfills. More at www.plasticpotrecycling.org.

MEET ME
Outdoors
IN ST.LOUIS

April 2–3, 9 a.m. to 3 p.m.

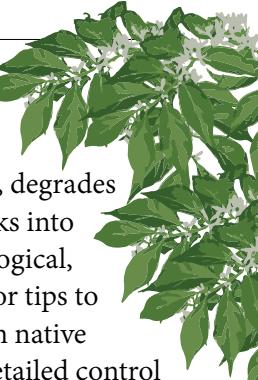
Kick-start spring during this fun weekend festival by celebrating the great outdoors. In addition to the re-openings of the Doris I. Schnuck Children's Garden, Tower Grove House, and tram rides for the season, the recently renovated Brookings Exploration Center and the new PlantLab will debut (see page 10). Register for wildlife-habitat building sessions, check out exhibitors from across the region, take home a native tree,* and more!. For more info, visit www.mobot.org/meetmeoutdoors.

*while supplies last

Help Get Rid of Invasives

Bush honeysuckle (*Lonicera maackii*), an invasive plant species, degrades woodlands, fields, and stream banks into impenetrable thickets lacking ecological, economic, or recreational value. For tips to distinguish bush honeysuckle from native plants, landscaping alternatives, detailed control methods, and volunteer opportunities, visit www.mobot.org/invasives.

Want to participate in a honeysuckle pull before you tackle the one in your backyard? Join the Honeysuckle Pull at Shaw Nature Reserve on March 10, part of the week-long Honeysuckle Sweep for Healthy Habitat event, a project of the *BiodiverseCity St. Louis* network. For details, visit www.biodiversecitystl.org.





turning a new leaf

Doris I. Schnuck Children's Garden | Brookings Exploration Center | PlantLab

photos by Kat Niehaus

Spring brings a renewed sense of life to the natural world around us, and at the Garden, it is also a season of new beginnings. This year, we invite you to discover the new chapter of experiential learning at the Garden.

The Power of Nature Play

To watch children play in the Doris I. Schnuck Children's Garden: A Missouri Adventure is to witness a wonderful example of physical, mental, and emotional skills developing right before your eyes. Decades of research have shown that, far from being a distraction, play is essential for child development. Learning about collaboration, coordination, and teamwork at the Locks and Dams area and exploring physical agility and balance while walking through the cedar log climbers are among the many ways kids learn through play in the Children's Garden. "This is not your typical play space," says Sheila Voss, Vice President of Education. "Especially for urban families, the Children's Garden serves as a great bridge experience into nature, hopefully encouraging them to seek out more outdoor adventures in their own backyards and neighborhoods."





Visitors will experience a very welcoming space where they can

explore **create**
ponder **investigate**
discover
and connect
with one another.



Made possible by a lead gift from the children of the Donald Schnuck family in honor of their mother, the Children's Garden opened in 2006. Ten years later, the family-friendly area has welcomed almost 1 million visitors and shows no signs of slowing. Over the years, new learning opportunities have been added, nature play areas have been built, and so many memories have been created.

Thanks to the ongoing and generous support of its Young Friends, the Garden is looking forward to adding more new features and educational experiences. This year, look for the addition of nature-made instruments and a natural weaving loom in the Nature Explore Classroom. If your child enjoys a good read, explore nature-inspired books in the storybook houses placed in little nooks throughout the Children's Garden. Through a new series of "show-me" guides, children will discover the importance of native plants, trees, flowers, and what they need to grow.

Participatory Learning Experiences

In addition to the importance of play in child development, the Garden is also proud to offer visitors an indoor, year-round space dedicated to intergenerational participatory learning. The newly renovated Brookings Exploration Center will open this spring after months of construction and upgrades. In this 4,300-square-foot space, visitors of all ages can learn about plants, the places they grow, how people rely on them, and the importance of protecting them. "Visitors will experience a very welcoming space where they can explore, create, ponder, investigate, discover, and connect with one another," says Interpretation Manager Jennifer Wolff. "This much needed renovation provides new, state-of-the-art interactive features that will engage visitors in the world of plants. Through both high-touch and high-tech tools, the new Center will be equipped to offer visitors unique opportunities to get up close and personal in exploring the marvels of Mother Nature."



The Garden Connection

Thanks to a lead gift from Edward Jones, the Brookings Exploration Center will now include a brand-new vestibule area and the PlantLab. The vestibule features, among other things, a family restroom and a Calming Corner for families with children needing quiet time and for nursing mothers. “Support from Edward Jones has enabled us to significantly up our game, if you will, when it comes to creating meaningful, family learning experiences centered on plants and the natural world,” says Voss.

The PlantLab was designed as a creative hub for hands-on plant science, investigative learning, critical thinking, and discovery. The 1,100-square-foot, greenhouse-like classroom will be open as a year-round experiential learning space for people of all ages, backgrounds, and abilities. Visitors, including school groups, scout troops, and adult learners, can explore this space and get a closer look at the Garden’s plant science work, from propagating and seed banking to understanding taxonomy and extracting DNA. “The PlantLab is really about science for the people,” says Voss. “It’s about giving access and opportunity to citizens of all ages to experience real-world science, including behind-the-scenes science at the Garden. It’s about cultivating curiosity about our extraordinary and still-being-discovered world of plants and nature.”



Thank You!

In addition to Edward Jones, the Garden is also grateful to these additional supporters:

Mr. and Mrs. William A. Gilbert	Peters Family Charitable Trust
Dr. Ann J. Johanson	Members' Board and
Pat Jones	Alumni of the Missouri
Mr. and Mrs. Alois J. Koller, Jr.	Botanical Garden
John and Anita O'Connell	Young Friends Council
Nora Stern and the Driver	and Alumni of the Missouri
and Gleason families	Botanical Garden

join the celebration

As part of the “Meet Me (Outdoors) in St. Louis” weekend celebration (see page 9), the Garden invites you to celebrate the Children’s Garden’s 10th anniversary and the opening of the Brookings Exploration Center and the PlantLab.

When: April 2–3

Where: Children’s Garden entrance

More at www.mobot.org/meetmeoutdoors.



announcing **EXCITING CHANGES**

to the Garden's membership program!

As a member, you are vital to the success of the Missouri Botanical Garden. You visit the Garden, the Sophia M. Sachs Butterfly House, and Shaw Nature Reserve; attend events; take classes; bring friends and family; and most important, share and support the Garden's mission.

Members are critical to securing the Garden's future. You help maintain the three venues as must-visit destinations and ensure quality programming is shared in the community and across the globe.

You also tell us what you value and how you use your membership benefits. At the Garden, we are constantly working to optimize each member's experience and celebrate the role you play in our successes. Effective March 1, 2016, the Garden is pleased to offer the following enhancements based on your requests:

- » Military appreciation all year long: 20% off memberships with a military ID
- » New Individual membership for one adult
- » More opportunities to enjoy the Doris I. Schnuck Children's Garden
- » Membership level names that more accurately reflect your benefits
- » Admission to Garden Glow

Here are a few important things to know about the new membership program:

Q: When do these changes happen?

A: March 1, 2016

Q: What do I need to do?

A: Nothing! Your membership will automatically adjust on March 1, 2016.

Q: Will my cards still be valid if the membership level name changes? (i.e., from Family to Festival)

A: Absolutely! Your current cards are valid through their listed expiration date.

Q: Can I still pay quarterly?

A: Yes! Quarterly, automatic payments are still available at the Festival level and above.

Q: Can I still match my gift?

A: Yes, please! Matching gifts are a great way to increase the impact of your membership and your benefits. Connect with your company to learn about their matching-gift policies.

Q: How do I receive my military discount?

A: Visit the Membership Services Desk at the Garden, Butterfly House, or Shaw Nature Reserve with a military ID to begin your military discount.

new membership levels



INDIVIDUAL | \$50

new

- General admission* for 1 adult and all children 12 and younger
- 3 Bonus Bloom passes**
- 1 membership card per membership
- All other benefits same as **Garden/Garden Senior** level



GARDEN | \$75 AND GARDEN SENIOR | \$70

same level names as 2015

Garden Senior membership available for members age 65 and older

- General admission* for 2 adults and all children 12 and younger
- FREE admission to the Doris I. Schnuck Children's Garden on Tuesdays, April–October
- Just for Members:
 - » Member Tuesday Nights, Memorial Day–Labor Day
 - » preview evenings for annual floral shows
 - » special programs and events throughout the year
 - » *Bulletin* magazine, produced quarterly
 - » annual thank-you gift
- 6 Bonus Bloom passes**
- Discounts on classes
- Reduced admission to special festivals, including Chinese Culture Days, Japanese Festival, Best of Missouri Market®, and Garden Glow
- 10% off purchases in the Garden Gate Shop, Butterfly House Gift Shop, and Little Shop Around the Corner
- 2 membership cards per membership
- Reciprocal benefits at over 300 botanical gardens and arboreta across North America



FRIENDS AND FAMILY | \$115

formerly Garden Plus

All benefits of the Garden level, plus:

- General admission* for 4 adults and all children 12 and younger
- **New!** Free admission to the Children's Garden every day, April–October
- **New!** Complimentary tram rides for up to 4 adults and all children 12 and younger per visit, based on availability



FESTIVAL | \$195

formerly Family

All benefits of the Friends and Family level, plus:

- General admission* for 6 adults and all children 12 and younger
- Free admission to Chinese Culture Days, Japanese Festival, and Best of Missouri Market®, for 6 adults and all children in your party 12 and younger
- **New!** 6 tickets to Garden Glow
- 20% discount on purchases in our shops
- Complimentary tram rides for up to 6 adults and all children 12 and younger per visit, based on availability



CONTRIBUTOR | \$350

formerly Sponsoring

All benefits of the Festival level, plus:

- General admission* for 8 adults and all children 12 and younger
- Invitations to floral show premieres
- **New!** 8 tickets to Garden Glow
- **New!** *Cuttings*, Garden President Dr. Peter Wyse Jackson's quarterly newsletter
- Complimentary tram rides for up to 8 adults and all children 12 and younger per visit, based on availability



PRESIDENT'S SOCIETY | \$700-\$1,499

President's Associate | President's Circle

All benefits of the Contributor level, plus:

- Invitations to behind-the-scenes opportunities and special events, including President's Society Reception
- **New!** VIP tickets to Garden Glow by request



HENRY SHAW SOCIETY | \$1,500-\$9,999

Henry Shaw Associate | Garden Fellow | Garden Ambassador

All benefits of the Contributor level, plus:

- Invitations to behind-the-scenes opportunities and special events, including Henry Shaw Dinner
- **New!** VIP tickets to Garden Glow by request



PETER H. RAVEN SOCIETY | \$10,000+

Sponsor | Benefactor | Patron

All benefits of the Contributor level, plus:

- Invitations to behind-the-scenes opportunities and special events, including Raven Society Dinner
- **New!** VIP tickets to Garden Glow by request

note: membership admission benefits do not apply to groups of any kind

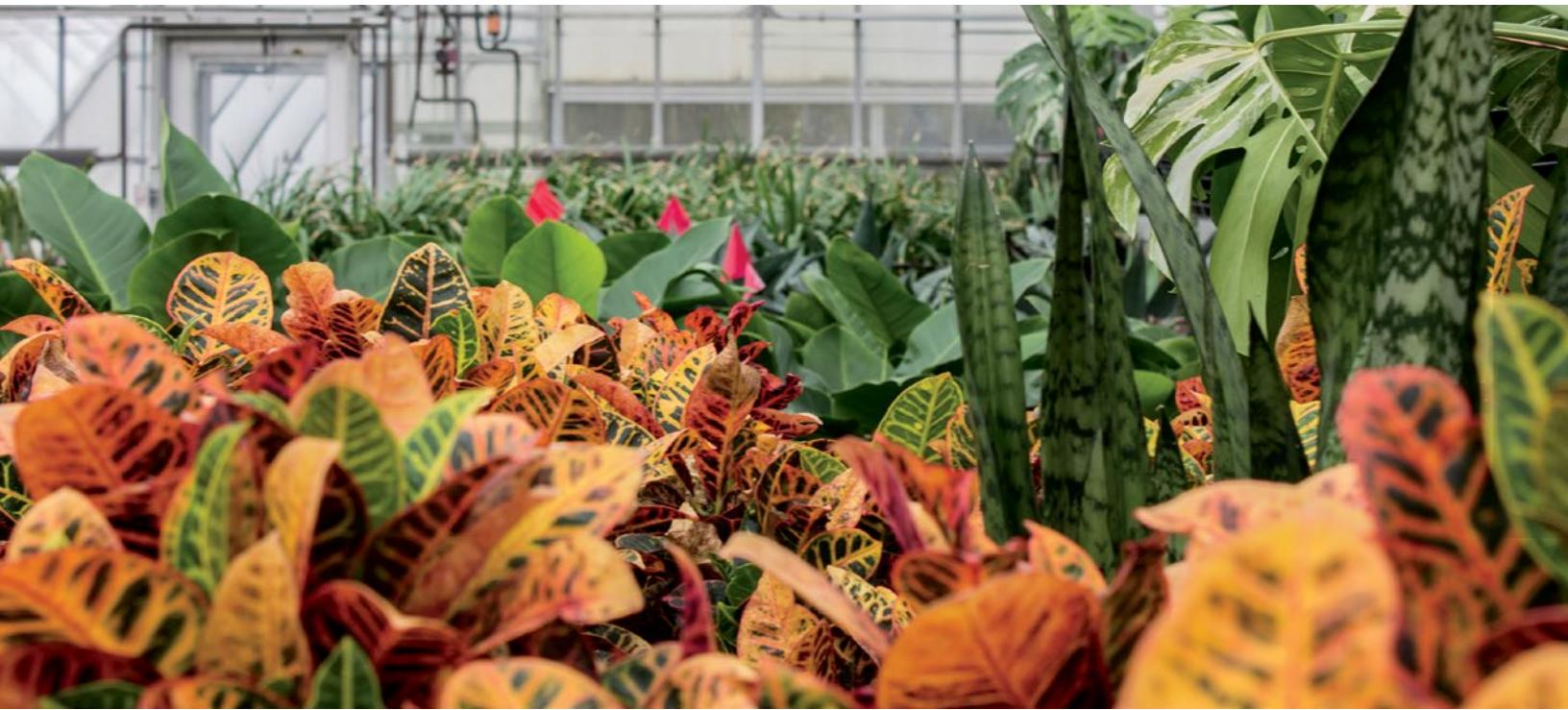
MORE INFORMATION

GO TO: www.mobot.org/membership

EMAIL: membership@mobot.org

CALL: (314) 577-5118

VISIT: Membership Services Desk



The existing greenhouses have reached their capacity, with little room left to grow plants to add to the living collections and support conservation programs.

opportunity SPACE

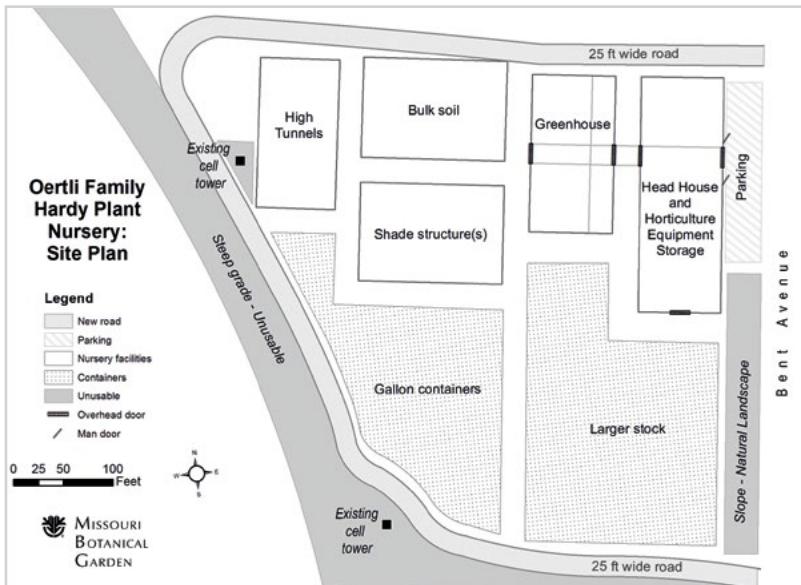
A generous donation offers
much-needed acres for
nursery operations

For decades, the Missouri Botanical Garden has relied on about one acre of nursery space to house its permanent collections, grow thousands of plants for floral display, and conduct research and propagation work to support its conservation programs. Thanks to a generous donation of 6.38 acres of land by the Oertli family, the Garden will begin to expand its nursery operations this spring at the new Oertli Family Hardy Plant Nursery.

A Win-Win Opportunity

The Oertli family, which has led Guarantee Electrical Company since the 1940s, recently completed a 10-year ownership transfer to employees of the electrical contractor but continued to own the 16-acre property in the 3400 block of Morgan Ford which housed Guarantee and other businesses. “The family learned of the Garden’s need as we considered how to apportion the property,” says Rick Oertli, who remains chairman and CEO of Guarantee. “In weighing various options with the real estate, it was decided to subdivide and sell the northern portion to Guarantee and gift the balance to the Garden to nurture its mission. We hope this approach provides a healthy conduit to the future for both organizations.”

“We believe this is a true win for everyone involved, including the surrounding Tower Grove South neighborhood,” adds Roger Oertli, who with his cousin, Rick, is a co-managing member of the family LLC that owned the property. “The Garden will be a good neighbor to area residents and to Guarantee.”



The 6.8-acre tract donated by the Oertli family is located several blocks south of the Garden.

Phase one of the new Garden project will demolish existing buildings on the property, then clear and grade the land to accommodate a 12,500-sq-ft, Venlo-style greenhouse. Plans are to have a fully functioning nursery by spring 2017. While this new facility will not be open to the public, it will host occasional tours.

Supporting Conservation and Displays

The Garden currently buys much of its plant material for the annual displays. The new Nursery ultimately will allow horticulturists to produce at least 95% of the Garden's plant material. Most of the plants grown at the new facility will be hardy herbaceous perennials and woodies with a focus on wild-collected specimens. "This project represents an important step in our mission to conserve some of the world's rarest and most endangered plant species while supporting the Garden's displays and permanent collections in a more sustainable way," says Andrew Wyatt, Vice President of Horticulture and Living Collections.

Increasing the number of wild-collected plants in the permanent living collections is no small task, but is crucial to the Garden's conservation goals going forward. "By producing, documenting, and adding known wild-origin taxa to our living collections, we can conserve important genetics and support wild populations through ex-situ conservation," explains Derek Lyle, Nursery Supervisor.

Growing wild-collected plants on-site and adding them to the Garden's living collections is a tool for both conservation and education purposes. The new facility will provide an incomparable learning space for Garden horticulturists. "Horticulture is more than a love of gardening," Wyatt says. "It's a science that includes understanding propagation and cultivation. This new nursery greatly strengthens the Garden's capacity for this important work."



The Garden produces about 200,000 individual plants every year for annual displays, most of which are commercially sourced. The new Nursery will eventually allow the Garden to produce at least 95% of its plant material.

Thank You!

The Garden is also grateful to these additional supporters of the Oertli Family Hardy Plant Nursery:

Lelia and David Farr
William T. Kemper Foundation—Commerce Bank Trustee
June and Fred Kummer

Support for the Garden's world-class horticulture program is still needed. Learn how you can help at www.mobot.org/fortheworld.

Learn More!

You can follow the Nursery's progress by visiting www.mobot.org/hardyplantnursery as construction starts and horticulturists begin to grow plants for the Garden.

just for members



NEW! Member Nights

Mar–Dec | 5–7 p.m. |

Garden Gate Shop

Starting this March, the Garden Gate Shop will stay open until 7 p.m. once every other month to offer Garden members product demonstrations, educational opportunities, and more while offering a 20% discount during the extended hours.

See page 21.

Member Day: March Morpho Mania

March 7 | 10 a.m.–noon |
Butterfly House

Visit thousands of dazzling Blue Morpho butterflies. Join us for members-only access, kid-friendly crafts, “ask the expert” stations, and other activities. Reservations required.

Eggstravaganza

March 19 | Hunt times:
10 a.m., 10:30 a.m.,
11 a.m., 11:30 a.m., noon

Enjoy this springtime tradition at the Garden! See live rabbits from the House Rabbit Society and meet Bunny. Bring your basket to collect all the goodies. Each egg hunt is divided by age group. \$5 for member children (3 and older). Reservations required.

Member Day: Designing Your Veggie Garden

April 5 | 11 a.m.–noon |
Shoenberg Theater

Enhance your garden with edibles. Steffie Littlefield of Edg-Clif Farms and Garden Heights Nursery shares tips to incorporate vegetables into healthy, unique, and beautiful gardens. Reservations required.

i

Information and registration at (314) 577-5118 or www.mobot.org/memberevents unless otherwise noted.



Member Day: Yardscaping

April 19 | 6–7 p.m. |
Shoenberg Theater
Jerry Pence, Horticulture
Program Coordinator
at St. Louis Community
College, shows how to
plan a diverse landscape
that fits the needs of
families, birds, and
butterflies, creating
unique spaces in the
yard. Reservations
required.

Herb Days Member-Only Events

Shopping Hours
April 28 | 5–8 p.m.
Members enjoy first pick
during the St. Louis
Herb Society's annual
Herb Days plant sale.

Growing Peppers
April 29 | 11 a.m.–noon
Learn all about peppers
from Anne Cori of the
St. Louis Herb Society.
Reservations required.

Shaw Wildflower Market Member Preview

May 6 | 4–7:30 p.m. |
Shaw Nature Reserve
Members get first pick
of hundreds of varieties
of Missouri native
wildflowers, trees, and
shrubs. Plus, enjoy live
music and vendors
of local wine, breads,
meats, sweets, baskets,
books, and more.

Member Day: Right Size Your Flower Garden

May 17 | 11 a.m.–noon |
Shoenberg Theater
Master Gardener Terry
Milne shares tips and
plans to work smarter
in the garden. Learn
strategies to tackle
maintenance chores
while incorporating
changing wants and
needs. Reservations
required.

special events

March Morpho Mania

March 1–31 (closed Mondays) |

10 a.m.–4 p.m. | Butterfly House

All month long visitors will be surrounded by thousands of big, bright blue morpho butterflies inside the Tropical Conservatory. Don't miss this dramatic sight! Included with admission.



Herb Days

April 29–30 | 9 a.m.–5 p.m. |

Orthwein Floral Display Hall

Presented by the St. Louis Herb Society

Shop more than 100 varieties of herbs including the herb of the year: pepper. Native herbs to attract butterflies, hummingbirds, and native pollinators will also be available. Included with admission; free for members. Members also get first pick on April 28 (see page 19).

Corporate Partners Days

Free admission for corporate partner employees to the Garden for up to two adults and all children 12 and younger. Enjoy 20% off new, renewing, and gift memberships and 10% off purchases in the Garden Gate Shop.

March 6 | 9 a.m.–5 p.m.

Includes Orchid Show admission

May 15 | 9 a.m.–5 p.m.

Includes Children's Garden admission

More at www.mobot.org/corporate.



Daffodil Dash

April 9 | 9 a.m. | Shaw Nature Reserve

Join the annual 5K trail run benefitting the Nature Reserve.

\$20 members and virtual runners;

\$24 nonmembers. Tickets required: www.shawnature.org.

Tulip Trot

April 26 | 7–9 a.m.

Take a spring morning fun run through the Garden. Proceeds benefit the Children's Garden.

Runners receive a commemorative race shirt. \$30 members and virtual runners; \$40 nonmembers. Tickets required: www.mobot.org/tuliprot.



Grapes in the Garden

May 6 | 5:30–8:30 p.m.

Presented by Schnuck Markets, Inc.

Join us for a special evening at the Garden and sample fine wines and gourmet foods. Attendees must be at least 21 years of age. \$45 per adult. \$35 for members. \$15 designated driver. Tickets required: www.mobot.org/grapes.



Shaw Wildflower Market

May 7 | 9 a.m.–4 p.m. |

Shaw Nature Reserve

Shop the largest selection of native wildflowers in the St. Louis area featuring hundreds of varieties of Missouri native annual and perennial wildflowers, ferns, trees, and shrubs to attract wildlife.

\$5 per person; free for members and Nature Reserve passholders.

Members also get first pick on May 6 (see page 19).



Chinese Culture Days

May 21–22

Join us for this annual celebration featuring a Grand Parade with 70-foot-long dancing dragon, authentic regional cuisine, t'ai chi, acrobatics, and tours in the Grigg Nanjing Friendship Garden.

\$5 members; free for Festival level and above (see page 15); \$12 nonmembers; \$5 children (ages 3–12); free for member children.

Join or renew at the event and get in free!

www.mobot.org/chineseculturedays

shop & dine

From gardening tools and unique toys to vintage items and local products, the Garden shops have just what you're looking for. Look for these icons to know where each event or sale is taking place.

 **Garden Gate Shop**
4344 Shaw Blvd.
St. Louis, MO 63110
Monday–Sunday
9 a.m. to 5:30 p.m.
(314) 577-5137

 **Butterfly House
Gift Shop**
15193 Olive Blvd.
Chesterfield, MO 63017
Tuesday–Sunday
10 a.m. to 4 p.m.
(636) 530-0076 ext. 15

 **Little Shop
Around the Corner**
4474 Castleman Ave.
St. Louis, MO 63110
Tuesday–Saturday
10 a.m. to 4 p.m.
(314) 577-0891



DON'T
MISS!

**Cloud Forests:
Orchids in the Wild**
Now through March 27, visit
Monsanto Hall in the Ridgway Visitor
Center and explore Gabby Salazar's
photographs of cloud forests and
orchids, including pictures from
Mauritius and Madagascar, where she
has worked with Garden staff.

First Fridays

First Friday of the month | 

Discover something new—from book signings to food samplings to trunk shows. More at www.mobot.org/shop.

Member Days Sale

March 4–6 |   

All Garden members receive 20% off purchases in the shops.

Summer Bulb Sale

March 15–May 31 |

Get ready for summer with a wide selection of bulbs for your garden.

Staff and Volunteer Sale

March 16–19 |   

As a thank you for making the Garden a world-class institution, all Garden staff and volunteers receive an extra 10% off their purchases.

Café Flora

March 19–October 30 | 10 a.m.–2 p.m. |
NEW! Open Saturdays

Enjoy a delicious brunch at the iconic Spink Pavilion with a view like no other: the reflecting lily pools and the Climatron®. Call (314) 577-0200 for more information.

Member Night: Orchid Basics

March 24 | 5–7 p.m. | 

Orchid moss or orchid bark? What is the myth of the "ice cube" orchid? Learn basic orchid care and tips. No registration required.

Member Days Sale

April 1–3 |   

All Garden members receive 20% off purchases in the shops.

Spring Fling Sale

Weekends in April | 

Celebrate the important insects that help to make our gardens grow! All

Garden members receive 20% off purchases in the Butterfly House Gift Shop (excludes plant sale). See shop for details.

Member Days Sale

May 6–8 |   

All Garden members receive 20% off purchases in the shops.

Staff and Volunteer Sale

May 18–21 |   

As a thank you for making the Garden a world-class institution, all Garden staff and volunteers receive an extra 10% off their purchases.

Member Night: Kokedama Demonstration

May 24 | 5–7 p.m. | 

Kokedama is a Japanese variant of bonsai. It means "moss ball," and it consists of a soil-wrapped root bundle on which an ornamental plant grows. No registration required.

» staff pick



Lifepack Eco-Friendly Tableware

Winner of one of 20 Arch Grants in St. Louis, Lifepack seeks to replace plastic and Styrofoam plates with ones that can be planted after being used. Each box contains 24 germinating plates (8 small, 8 medium, and 8 large), 12 wood forks, and 12 wood knives. Get yours at the Garden Gate Shop.

Gabriel Hakim
Mr. and Mrs. Bert Barry
Jerry Edris and Erica Hong
Ann K. Meechai
Natalya Mokeyeva
Kathleen Singleton and
Larry Schmidt

Mrs. Juanita Hammett
Mrs. Nancy Bridwell

Don Jackson Harper
Lesley L. Joplin

Virginia Louise Hayes
David E. Buck
Robert J. Fennell
Friends and Family of
Ginny Hayes
Lynn Kessen
Linda Oziransky
Mr. and Mrs. Jeffrey B.
Strickland

Mrs. Lois Heineman
Lori Kilkelly

Virginia Horrell
Donald and Judith
Dautenhahn

Mrs. Barbara Huning
Pat Adams and
Kevin Bryant
Randy Bobo
Kenneth Bohlmann
Jacquelyn Branneky
Mrs. C.A. Case, Jr.
Bobby and Kathy Gardner
Chris and Tammy Gardner
Steve and Libby Gardner
Gail Johnson
Mary Jane Karg
Barb and Mark Kuhlmann
MBG Docents
Tom and Patty Meyer
Mr. and Mrs. Clarence H.
Newberry, Jr.
Mrs. Judy Peil
Ruth W. Rangel
Mrs. Camilla Smith
Jim Sprout
Ruthie Wille

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Hutschreider**
Alberto and Judith
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Natalie Alberici
Rosalie and Glenn Austin
Ms. Paulette Bliss
Ms. Eileen Carr
Mrs. Ann Case
Mrs. Sharon M. Dougherty
Sondra and Dan Ellis
Kathleen M. Ferrell
Mardie and Fritz Gebhard
Ms. Mary Hammer
Mrs. Sally Henriksen
Martha McMahon
Mark Moore
Peggy Reynolds
Pat Schutte
Evelyn Shucart
The St. Louis Herb Society
Anne Weidmann

Nancy Koenig
Mr. and Mrs. Clifford
Bellone
Karen and David Ebel
Kathy and Steve Forst
Tim, Carrie and Peter
Genovese
Keith and Suzie Koenig
Kevin and Merva Koenig
Shirley Koenig
Miriam Switching Post:
The Thursday Crew
Miriam: The Learning
Disabilities Experts
Staff and Volunteers of
Miriam Switching Post

Nancy Koenig
Mrs. Tia M. Ramlow
Steve and Michelle
Roebuck
Barbara and Nathan Simon
Ruslyn Year
Staci Webb
Bradford K. Werner

Frank Kohring
Mr. and Mrs. Ron
Schlapprizzi

Miriam Krone
The Art Show at SNR

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Carol J. Thornton

K. Cramer Lewis
Mr. and Mrs. Franklin E.
Foster

Marian Lindell
Mr. Joseph C. Lindell, Jr.

Lorraine Lowe
Ranney and Sallie Dohogne

Mary Anne Lucas
Timothy and Beth Bates
Mary Kaye Mooney

Mrs. Rita Luetkemeyer
Doug Krauss and
Joe Freaney

Carson Lee Mann
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Debra and Paul McGrath

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Mr. Helmut C. Muehlhauser

Carol Mullen
Mary Sue Bonds
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Melanie and Tony Fathman
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Bruce and Renee
Michelson
Missouri Women's Forum

Ms. Arlene C. Nurre
Mr. Neil W. Schrack

Ramona Pepper
Barbara Zucker

Bertha Pfauth
Mayor Irene S. Holmes
Mr. Warren Holmes

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Mattie French

Jim Rung
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Mr. Keith W. Spoeneman

Mrs. Rose Spurza
Ms. Ann Settlage
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Rose Spurza

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Saundra Templeton
Beck and Wesley Saunders-
Pearce
Mary Schoen
Juliann and Bob Thavis

Mrs. Jane Priem Thomas
Kari French
Dr. Lewis Thomas, Jr.
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Mrs. Carole Token

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**Charlene and Stewart
Piper**
Mike and Kalinda Piper

Alan Trentmann's Parents
Alan and Susan Trentmann

Theodora S. Welsko
Ms. Alexandra Welsko

Carol Archibald
Annie White

BUTTERFLY HOUSE

October–December 2015.
Call (314) 577-5118 or visit
[www.butterflyhouse.org/
donate](http://www.butterflyhouse.org/donate) to learn more.

Pavers

Brigida Emma
Betty Hildebrandt and
Martha Murphy

LaRue Glazer
Jill Winters

Penelope Rose Mueller
Mr. and Mrs. Richard
Popovich

Daniel Patrick Murphy
Bonita A. Murphy

MEMBERS' ENTRY COURT

October–December 2015.
For more information, call
(314) 577-5118 or visit www.mobot.org/donate.

Engraved Clay Bricks

Rebecca Lynn Barnard
Dr. Richard M. Rubin

Dr. Emily F. Christensen
Friends of Emily

Mrs. Roberta Dearing
Mary Russo, Meg Hartzog
and Robert Hartzog III



The Missouri Botanical Garden strives to make the most sustainable choices possible to benefit people, plants, and the planet. That's why we offer an interactive online version of the *Bulletin* as well as a downloadable PDF. Sign up by sending an email to membership@mobot.org. Let us know if you'd like to forego your paper subscription to save trees.

You can also send an email if:

- Your name is misspelled
- Your address is incorrect
- You receive more than one copy
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CHINESE CULTURE DAYS

May 21–22

www.mobot.org/chineseculturedays

