As we near the end of the first year in the U.N. Decade of Biodiversity, much activity has already taken place in the initiative to halt plant loss. This past summer the Garden hosted representatives from around the world for the 2011 Conference on the Global Strategy for Plant Conservation (GSPC). The Strategy, first adopted in 2002 but updated in October 2010, outlines 16 targets for plant conservation to be achieved by 2020, with the ultimate goal of halting the loss of plant species worldwide.

The conference provided the opportunity for members of the plant conservation community to come together and share experiences and best practices as we take action to achieve the targets set forth in the strategy. Recommendations from the conference will go forward to the U.N. Convention on Biological Diversity to help guide priorities amongst the 194 countries that have adopted the Strategy.

The Garden has a critical role to play in guiding and supporting this international initiative. Indeed, all botanic gardens, combining their unique skills in research, horticulture, and policy, are strongly positioned to play a leadership role in the global implementation of the Strategy—and in making the connection with the public on these issues. In the 30 years I’ve been involved with the botanic garden community, the number of botanic gardens has more than doubled, from approximately 1,200 to over 2,500, attracting 250 million visitors annually.

As we continue to develop our collections at the Garden, we have the opportunity to target species that need to be cultivated for conservation purposes. In the Climatron®, for example, you’ll find one of the most endangered trees in the world, *Dracaena umbroculifera* (see page 8). I believe we will be telling more such stories in the future.

This summer we also announced the Garden’s signature exhibition for 2012, *Lantern Festival: Art by Day, Magic by Night* will light up the Garden with 26 larger-than-life installations made of silk and steel on site by master craftsmen from China, a part of the world that has been central to Garden research and conservation efforts for over 30 years (see page 5). With the completion of the *Flora of China* imminent, 2012 will truly be the Year of China at the Garden. There is much to look forward to!

Dr. Peter Wyse Jackson, President

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**President’s Comment**

**To discover and share knowledge about plants and their environment in order to preserve and enrich life.** — mission of the Missouri Botanical Garden

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Garden Hours
The Garden is open 9 a.m. to 5 p.m. every day except December 25. Outdoor walking hours begin at 7 a.m. Wednesday and Saturday.

General Admission
$8 ($4 for residents of St. Louis City and County); children 12 and under are free. Garden members receive free admission (based on level).

Children’s Garden: $5 for children; adults admitted free. ($3 for Garden members’ children.) Members’ children admitted free on Tuesdays. Open April through October.

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In Memoriam
Cherished Friends Depart

Four emeritus members of the Missouri Botanical Garden Board of Trustees died recently. Their affiliations with the Garden spanned from 37 to 44 years. Their leadership, service, and generosity forever changed the Garden.

1917–2011
William R. Orthwein Jr. leaves an extraordinary legacy in the St. Louis community and at the Garden.

He and his wife, Laura Rand Orthwein, contributed throughout their lives to organizations advancing the arts, wellness, cultural life, education, and services to those in need.

At the Garden, visitors enter the Orthwein Floral Display Hall to experience the festive Holiday Flower & Train Show and the stunning Orchid Show. The couple’s generosity also is reflected in the Pollination Garden in the Children’s Garden and at the Monsanto Center, which is the headquarters of the Garden’s research program.

Mr. Orthwein joined the board in 1975 and served as first vice president in 1980. He also served in several key roles during his tenure, including representing the Garden to the community during three successful capital fund drives.

Mr. Orthwein was the retired president and chairman of McDonnell Douglas Automation Co., which he founded, and a director of McDonnell Douglas Corporation.

Louis S. “Lou” Sachs
1928–2011
Louis S. “Lou” Sachs has been aptly described as the visionary for modern Chesterfield, but his influence goes beyond any one community.

Mr. Sachs provided land for Chesterfield Mall, and his company, Sachs Properties, built the surrounding areas known as Chesterfield Village. Mr. Sachs also was passionate about and financially supportive of the arts. The Garden was one of many beneficiaries of his efforts to strengthen community life.

Mr. Sachs became a member of the Garden in 1967 and joined the Board of Trustees in 1980. He supported the Sophia M. Sachs Butterfly House in Chesterfield, which is named in honor of his stepmother, and shared his construction expertise as chairman of the Building and Grounds Committee.

Mr. Sachs and Sachs Electric contributed to projects such as construction of the Ridgway Visitor Center and the Climatron®.

Mr. Sachs died May 27, 2011. He was 83. He is survived by his wife, son, two daughters, brother, and eight grandchildren.

Edith “Edie” Spink
1921–2011
Edith “Edie” Spink was the longest-serving mayor in the history of Ladue and widow of C.C. Johnson Spink, fourth publisher of The Sporting News, which the Spink family owned.

Mr. and Mrs. Spink began their support of the Garden in 1969. In the 1980s, the couple made possible the renovation of the old Flora Gate on Tower Grove Avenue, which was the main entrance before Ridgway Visitor Center was built. Since 1989, the gate has been the Edith and Johnson Spink Pavilion; it is the site of some of the city’s loveliest community and corporate events.

The couple also gave to the Garden a collection of Boehm porcelain birds and flowers, which are on display in Spink Gallery in Ridgway Visitor Center.

Mr. Spink was elected to the Board of Trustees in 1974 and served as chairman from 1981 to 1984. Mrs. Spink was elected an emeritus trustee in 1993.

Mrs. Spink served as mayor of Ladue from 1975 to 1995. She died June 21, 2011 at the age of 90.
Douglas B. MacCarthy 1932–2011

Douglas B. MacCarthy was an art collector and patron, financial planner, and gardening enthusiast. He was a member of the Missouri Botanical Garden from 1969 until his death, and he served on the Garden’s Board of Trustees beginning in 1995.

Mr. MacCarthy was an architect and builder until he went blind in his early 30s. He became a financial planner in his second career and emerged as a leader in the arts community. He was a founder of the Contemporary Art Museum of St. Louis and the first president of the Missouri Citizens for the Arts. He also served on several arts boards.

At the Garden, Mr. MacCarthy served in several committee positions on the board and was instrumental in planning the Blanke Boxwood Garden. He is the nephew of Ruth Palmer Blanke, for whom the Boxwood Garden is named.

The Smithsonian Institution named Mr. MacCarthy’s personal garden in Ladue one of the 100 best in America in the last half of the 20th century.

Mr. MacCarthy died June 27, 2011 at the age of 78. He is survived by two goddaughters, a sister, and friends.

Lantern Festival to Light up the Garden

presented by EMERSON.

Next May, more than two dozen larger-than-life lighted works of art are expected to attract visitors from across the nation to the Missouri Botanical Garden for Lantern Festival 2012: Art by Day, Magic by Night. Emerson is the presenting sponsor for the festival.

The lantern installations—crafted from silk and steel using bold colors and lighting—will be created on site by artisans from Zigong Province in China, a region known as the lantern capital of the world. The lantern festival is the first of its kind and size in the United States and is rarely staged outside of Asia.

“All eyes are going to be on St. Louis in 2012,” Kitty Ratcliffe, president of the St. Louis Convention and Visitors Commission, said at the press conference announcing the exhibit. In addition, the festival’s expected high visitorship will also help support the region’s 80,000 hospitality-sector jobs.

St. Louis Mayor Francis Slay said the Lantern Festival is “truly an event the entire region should be proud of” and will reinforce St. Louis’s status as a world-class arts and culture destination.

St. Louis County Executive Charlie Dooley hailed it as “a unifying event in the St. Louis region” that would provide opportunities for visitors to expand their horizons and knowledge of other cultures.

China has long been a focus for the Garden, where its scientists have been collaborating since 1988 on the Flora of China, a comprehensive directory of the country’s approximately 30,000 plant species. This important scientific record will be completed in late 2012/early 2013.

Lantern Festival will run from May 26 through August 19. There is no extra charge to view the lanterns by day. Admission to Lantern Festival nights, 6 to 10 p.m. Thursdays through Saturdays, will be $15 members, $22 nonmembers; $10 children ages 3 to 12, $5 members’ children. Children 2 and under are free. For more information, visit www.mobot.org/lanternfestival.
Grant to Fund Repairs to Garden Wall

The Missouri Botanical Garden has received a $529,623 grant from the Department of Interior, National Park Service through the Save America’s Treasures (SAT) grant program, for the restoration of a portion of the Garden’s historic stone wall. The Garden must match grant funds dollar for dollar.

The stone and ironwork perimeter wall, completed in 1856, will be restored as closely as possible to its original condition. Support from the Save America’s Treasures program will help fund the initial phase of the project, involving work on the oldest and most damaged sections of the wall, which are in active failure and in urgent need of restoration to address safety and security.

Planning is underway with work to begin late in 2011.

The Save America’s Treasures program helps protect the nation’s endangered and irreplaceable cultural heritage. Save America’s Treasures is a public-private partnership administered by the National Park Service and the President’s Committee on the Arts and the Humanities in cooperation with the National Endowment for the Arts, the National Endowment for the Humanities, Institute of Museum and Library Services and SAT’s private partner, Save America’s Treasures at the National Trust for Historic Preservation.

Volunteer Appreciation Evening

On June 28 the Garden saluted its volunteers during our annual Volunteer Appreciation Evening. Dr. Peter Wyse Jackson presented special awards to the following outstanding individuals and groups:

- Len Jacobs, Commitment Award
- LaVerne Jaudes, Commitment Award
- Nancy Williams, Dedication Award
- Laurian McGrath, Extra Service Hours Award
- Paul Feldker, Green Award
- Paul Omans, Rookie Volunteer of the Year Award
- Gary Keller, Special Achievement Award
- Friday Horticulture Volunteers at Litzsinger Road Ecology Center—Group Excellence Award: Pauline Ashton, Larry Berglund, Carol Boeckmann, Henry Boeckmann, Marc Flanders, Stephanie Miller, Richard Pandorf, Ray Potter, Charlie Wilson, Chuck Wilson
- Joyce Driemeyer, Lifetime Achievement Award

Volunteer Honored

Garden volunteer Ann Case was recently honored by Bulb Collections Specialist Jason Delaney with a flower named in her honor, *Hemerocallis* ‘Ann Case,’ or the Ann Case Daylily. Delaney formally presented the flower named after Case at a Members’ Board meeting in June. Case has volunteered at the Garden since 1977. She serves on the Members Board and is also a St. Louis Herb Society member, master gardener, Garden guide, volunteer at the Plant Doctor desk, and bloom recorder (or someone who records the dates on which plants bloom). It was her work as a recorder that led to the daylily being named in her honor.
Garden Inspires Students to Celebrate Power of Plants

More than 900 students participated in the Garden’s 2010–2011 Power of Plants contest, a program targeting K–12 students from across the region to “dig deep” into a specific plant, research its traits and uses with their peers, and share what they learn with others. The 2010–2011 Power of Plants program was made possible by the generous support of The Monsanto Fund.

2010–2011 winners are:

Early elementary (kindergarten through second grade): homeschoolers Aria and Jozlin Schmidt of south St. Louis, physical category; Adam Koetting, Henry McIntyre, and Grace Embry of Our Lady of Providence School in Sappington, digital category.

Upper elementary (third through fifth grades): Ross Stauder and Evan Coleman of Tillman Elementary in Kirkwood, physical; Mitchell Skaggs and Zachary Clark of Drummond PE65 North in St. Ann, digital category.

Middle school (sixth through eighth grades): homeschoolers Gianna Sparks, Lauren Ashley Sparks, Regina Doty and Reuben Doty of Creve Coeur, physical; Laura Maniet, Isabel Mosley, Klarissa Sheffield, Greg Cordover and Cole Edelstein of Parkway Central Middle School in Chesterfield, digital.

High school (ninth through 12th grades): Leah Faith McGee and Chris Bolton of Hancock Place High School in Lemay, physical; Caitlin Quirin, Abby Reding, Becca Wilkes and Anna Reichert of St. Joseph Academy in Frontenac, digital.

The 2011–2012 contest is under way, with an entry deadline of January 31, 2012. For more information, visit www.mobot.org/power.

Volunteer Service Recognition

On Tuesday, June 7, the Garden celebrated the commitment of its 1,816 volunteers at the annual volunteer service recognition luncheon. Awards were given for commitments of 10, 20, 30, and—in one case—40 years! Our volunteers last year devoted over 151,000 hours to the Garden—the equivalent of 78 full-time staff. Without them, the Garden would not be able to operate at its current level of excellence.

Four decades of service

Barbara O’Brien was first introduced to nature as a child in Shannon County, Mo., by her grandmother. This developed into a lifelong passion for nature, the environment, and gardening, which are evidenced by her long-term membership in the Missouri Mycological Society and her terms as president of the St. Louis Herb Society, the Boxwood Society, and the Rowena Clark Garden Club. As president of the St. Louis Herb Society from 1992–1994, O’Brien oversaw the production of the hugely successful St. Louis Herb Society Cookbook. During her 40 years of volunteer service for the Garden, she has chaired virtually every committee of the St. Louis Herb Society, several more than once. She most recently co-chaired the annual herb sale.
In the Climatron there’s a tree called *Dracaena umbraculifera*. Sometimes known as the umbrella dracaena from the Dracaenaceae (dragon-tree) family, it is native to the island of Mauritius in the Indian Ocean and rises 10 meters in height.

You won’t find any of these in Mauritius, though. It’s extinct in the wild, according to the International Union for Conservation of Nature’s (IUCN) Red List of Threatened Species, which details the plants and animals in danger of disappearing from the planet.

In fact, *Dracaena umbraculifera* has been extinct in the wild for a century. The only reason the tree has survived is because a small number of gardens have kept it in cultivation, said Missouri Botanical Garden President Dr. Peter Wyse Jackson.

“There have been sketchy records of this plant being grown in a number of collections,” he said. “There are maybe 15 botanic gardens that state they have it in cultivation. However, when I went into the Climatron, there in the center was probably the finest *Dracaena umbraculifera* left in the world.”

Dr. Wyse Jackson has been interested in conservation of plants from Mauritius for some time. He first traveled to the island in 1985, when he led an expedition to help conserve a number of endangered species there.

“There are several hundred species there that are known through tiny populations,” he said. “The native vegetation has been devastated through clearance for sugar cane crops and also the loss of pollinators, which has meant that many of the species don’t regenerate properly. There are also invasive species problems: privet, guava, and other species that are choking forests.”

*This illustration of the Dracaena umbraculifera flower comes from the book Plantarum rariorum horti caesarei Schoenbrunnensis descriptions et icones by Nikolaus Joseph Freiherr von Jacquin, published in 1797 (www.biodiversitylibrary.org/page/271984). The Dracaena in the Climatron has never flowered.*
Once he realized one of the rarest trees in the world was living in the Climatron, Dr. Wyse Jackson proposed a project through the Students in the Garden program, which provides undergraduate students at Washington University in St. Louis the opportunity to collaborate with Garden scientists on research projects.

Under the supervision of Garden Curator Peter Hoch, undergraduate student Qian Cao spent four and a half months this spring tracking down information on Dracaena umbraculifera. The first written description of the species appeared in 1797 of a specimen in a Vienna botanical garden, and was accompanied by an illustration of the tree’s inflorescence (or flower).

Somewhere along the line, Hoch said, the species was introduced into European botanical gardens, but it’s difficult to say when. It appears that the tree does not flower very often, and likely the description was written only because the specimen came into flower, he said.

Likewise, the Garden’s specimen is something of a mystery. Just finding out when the tree was acquired has proved to be a challenge, Hoch said. Records kept by the Garden’s Horticulture Division mentioned the tree in 1976 and pointed to an earlier record from 1906. There, however, the trail dried up, indicating information on how and when the tree was acquired—a collection in the wild, perhaps, or a donation from another botanical garden or institution—had been lost.

“We just don’t know the source,” Hoch said.

As part of the project, Cao tracked down the other institutions worldwide that have Dracaena umbraculifera in their collections—16 in all—and set up a network of communication among them.

Hoch said they have requested leaf material as well as voucher specimens from each institution, as well as made vouchers and DNA collections of the Garden’s Dracaena umbraculifera (along with the other five species from the genus in the Garden’s collection). The voucher allows scientists to verify that they’re dealing with the same species. The leaf material will give them what they need to start running genetic tests and determine if the 16 known specimens represent unique genetic individuals or are clones, in which case getting them to reproduce through pollination would be nearly impossible.

If they represent genetic diversity and one of the individuals flowers, Hoch said, the institutions could exchange pollen via express mail and attempt to cross-pollinate them.

“There’s still a lot of work to do,” Hoch said.

The ultimate goal would be a reintroduction of the species in the wild.

“This is a useful flagship for what we’re doing in conservation,” Dr. Wyse Jackson said, “and the story for each endangered species is unique. Over the years, we will be telling more of these stories.”

**Members’ Day:**

**Botanical Gardens and Plant Conservation**

*Tuesday, September 20, 11 a.m., Shoenberg Theater*

Join Dr. Peter Wyse Jackson for a members-only presentation on how botanical gardens are leading the effort to conserve plant biodiversity around the world.
Imagining standing in a tall-grass prairie, the hills gently rolling around you all the way to the horizon. Over 150 years ago, that’s exactly what you would have seen if you’d visited the future home of the Missouri Botanical Garden. When Garden founder Henry Shaw first visited this area, there was hardly a tree in sight.

The landscape has changed considerably since then. Trees provide more than just a backdrop for the beautiful flowering plants at the Garden. In the spring, cherries, magnolias, flowering crabs, and plums put on a floral display of their own; their shade is inviting in the peak heat of summer; and fall color rivals the most vibrant spring blooms. Even in winter, when the rest of the garden hibernates, trees can still catch the eye with silhouette, texture, and shape.

Though by no means an exhaustive list, here is a selection of trees to see at the Garden.

**DON’T MISS:**
Members’ Day: Walking Tour of Trees
**Thursday, October 20, 11 a.m., Shoenberg Theater**
Join Garden expert Ben Chu for a walking tour of the Garden’s most notable trees. Space is limited. Advance reservations required, (314) 577-9570.

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1. **Dawn redwood** (*Metasequoia glyptostroboides*)—Related to the bald cypress, this tree was known only through fossils, and presumed to be extinct—until a Chinese forester discovered one in 1941 and it was determined to be the same tree as that found in fossils.

2. **Scotch elm** (*Ulmus glabra*)—This magnificent old tree likely dates back to the lifetime of Garden founder Henry Shaw, who purchased eight Scotch elms around 1861. These are not often found commercially anymore due to their disease susceptibility.

3. **Shumard oak** (*Quercus shumardii*)—About 20 species of oak are native to Missouri, including this species. Usually found on high, dry sites in St. Louis, in lowland locations it can reach a tremendous size. Its fall colors appear late in the season.
Flowering dogwood (*Cornus florida*)—In addition to its beautiful spring blooms, the state tree of Missouri turns scarlet red in fall and has bright red fruit through mid-December, making it a tree for all seasons. Found throughout the Garden, they are numerous in *Seiwa-en*, the Japanese Garden.

“*We pity the man who displays no fondness for trees. [H]e is robbing himself of one of the greatest sources of enjoyment that nature has placed within the reach of human kind.*”

– Henry Shaw

**Bald cypress** (*Taxodium distichum var. distichum*)—Commonly found in swamps, these Missouri natives line the Central Axis, the row of lily pools between the Climatron and Spink Pavilion. This cone-bearing tree gets its common name because, unlike evergreen conifers, it sheds its foliage in the fall. Bald cypress can live up to 600 years or more.

**Amur cork tree** (*Phellodendron amurense*)—This tree, from the Amur River region in Mongolia, sports inconspicuous flowers and small fruit, leaving the attention for the deep green leaves and massive, low spreading branches. You’ll find them northeast of the Climatron, but don’t miss the one near the Victory statue in the Victorian District.

**White basswood** (*Tilia heterophylla*)—This tree by the Museum Building near the Tower Grove House is one of the Garden’s three Missouri State Champions, a designation marking the largest of the species in the state. The other two Missouri champions in the Garden are nearby: a possumhaw (*Ilex decidua*) and soapberry (*Sapindus drummondii*).
October, Owls and Orchids

When the sun sets in October and you’re looking for owls, the best place in town for owl watching is the Sophia M. Sachs Butterfly House. Be warned, though: our owls don’t hoot, and they just might land right on you.

While most butterflies fly during the day, the Butterfly House has one group taking wing during the evening: the owls. These are our largest butterflies, but many people never see them take flight because they only start to fly as the sun descends below the horizon. During the day, they rest on tree trunks, exhibiting that classic eyespot on the undersurface of their wings. They are also common denizens on the fruit trays, as they will not visit flowers for nectar. They live in the understory of tropical forests, and fruit is a main source of food for them, along with tree sap, dung, and carrion.

The Owls and Orchids event includes hundreds of additional owl butterflies for a one-of-a-kind experience. Imagine being surrounded by hundreds of owl butterflies flying at 20 miles per hour as you enter the darkening conservatory. They fly and tumble in large groups along the path, brushing against you as they pass. See them gliding over the pond and the flowers in search of mates and food. Eight-inch wingspans make them the largest of our butterflies, and they are in full flight. Colorful, fragrant blooming orchids cover the trees around you, offering glimpses of tropical jungles. It’s an impressive sight! And one that most of our visitors are unable to witness.

The Butterfly House receives three species of owl butterflies: *Caligo memnon*, *Caligo eurilochus*, and *Caligo atreus*. All three are found in Costa Rica, and we receive *Caligo memnon* from Surinam as well.

This event also features well over a hundred blooming orchids of many different types placed in the conservatory. The chance to see masses of owl butterflies as well as these gorgeous plants in bloom makes this a spectacular time to visit.

By Mark Deering
The economic importance of trees goes beyond just their value as lumber. They provide shade in summer, much of our oxygen, nut crops (such as black walnuts and pecans), and are home to countless creatures that depend on them for food, shelter, and nesting sites.

A new focus on using native plants in the landscape includes the diverse list of native trees. They are well-adapted to our region and enhance biodiversity in our urban environments.

Oaks are a classic choice for shade trees in Missouri and are, in general, quite adaptable. Swamp white oak (*Quercus bicolor*) and bur oak (*Quercus macrocarpa*) tolerate both wet and dry sites with a moderate to fast rate of growth. A naturally occurring hybrid between the two is Schuette oak. Red oak (*Quercus rubra*) has great fall color, and the willow oak (*Quercus phellos*) is adaptable to poorly drained soils typical in many urban areas. Oaks support more species of insects than any other genus in Missouri, and acorns are an important source of food for many animals.

Trees that provide berries for birds and other wildlife include hackberry (*Celtis occidentalis*) and the green hawthorn (*Crataegus viridis*), our state flower. Dogwoods (*Cornus spp.*) provide summer berries for birds, as does the early spring-blooming serviceberry (*Amelanchier arborea*). Black gum (*Nyssa sylvatica*) tolerates average to moist soils and, in addition to its fall crop of berries, has brilliant red fall color. Persimmon (*Diospyros virginiana*) and pawpaw (*Asimina triloba*) both have fruit that people and wildlife savor, making them great for edible landscaping.

A lesser-known native is yellowwood (*Cladrastris lutea*), a slow-growing, medium-size shade tree with loose clusters of fragrant white flowers. Its common name refers to the clear yellow dye produced from its wood.

Many trees live well over 200 years, so selection and location of planting require careful consideration. Planting native trees is a long-term investment that will enhance our environment for generations to come.

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### Myron Glassberg Family Pavilions Dedicated

In May, the Shaw Nature Reserve dedicated two new pavilions in honor of the Myron Glassberg family. In addition to the pavilions, contributions from Sunny Glassberg, Myron’s widow, will help to complete a new restroom facility (currently under construction) as well as support for educational programming at the Reserve.

“Myron wanted to change the world,” Sunny said during the dedication, “and we are here now because he did in fact change this small part of it.”

School groups will now be directed to the pavilions, which will greatly alleviate congestion at the Visitor’s Center entrance and make it much safer for children. The Reserve anticipates providing lessons on nature, conservation, and natural history to more than 5,600 students in the next academic year.

*Left, top: The new pavilions are located near the Bascom House and the Whitmire Wildflower Garden. Bottom: Sunny Glassberg, second from left in the front row, surrounded by friends for the Myron Glassberg Family Pavilion Dedication.*
A Toast to Summer:
Wine Tasting with Nigel Mooney
Thursday, June 30

One hundred forty people enjoyed an evening of wine and music June 30 with Nigel Mooney, Ireland’s leading jazz singer and guitarist. A champagne reception was followed by a performance by Mooney and fine wine and food pairings. The event was sponsored by Schnuck Markets.
Young Friends’
Climatron® and Cocktails
Tuesday, June 14

This year the Garden’s Young Friends joined with Young Friends of St. Louis Public Radio to celebrate summer. Nearly 200 people enjoyed live music on the Central Axis along with hors d’oeuvres and cocktails by Purus Vodka.
Tributes April through June 2011

A tribute gift to the Garden is a wonderful way to honor family and friends. Tributes of $25 or more are listed in the Bulletin. If you have questions regarding giving opportunities at the Garden, please call (314) 577-0805. You can also make a tribute gift online at our website, www.mobot.org.

In Honor of

Mr. Paul M. Arenberg Mr. Steven Arenberg
Mrs. Mary W. Aull Ms. Martha Y. Allison
Mrs. Charlotte Bain The Garden Club
Mr. Peter T. Burks Joan Hiepler and Liz and Tom Watkins
Ms. Cathy Chen Anonymous
Mrs. Betty Cohn Ms. Judy Fahrner Mr. and Mrs. Raymond A. Herr
Ms. Evelyn E. Dennis Ms. Valerie L. Dennis Mr. and Mrs. Jack Deutsch Mr. and Mrs. John D. Fudemberg
Mrs. Martha A. Drexheimer Mr. and Mrs. Eric R. Weidmann
Mr. Douglas Dick Abby and Bob Sylow and Patricia and Frederick Dick
Ms. Joyce K. Driemeyer Mrs. Ann L. Case
Ellen Dubinsky Rob and Sherri Meyers
Melanie Fatheym Joanna Strathearn and The Junior League
Mrs. Vivian Gellman Her family
A group of friends GEMS The GEMS
Mrs. Sunny Glassberg Mrs. Margaret Loindy Mrs. Susan W. Sale
Mr. Louis N. Goldring, Sr. Mr. and Mrs. Walter G. Stern
Mrs. Sally Harrison Ms. Suzy Seldin
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Mr. and Mrs. Robert E. Kresko Mr. and Mrs. Walter G. Stern
Henrietta Kuskhin Children, grandchildren and great-grandchildren Mr. and Mrs. Barry Mandel Mr. and Mrs. Paul T. Putzel
Ms. Carolyn Mata Mr. and Mrs. Elmer L. Boehm Mr. and Mrs. Guy McClean Dr. and Mrs. Thomas A. Woolsey
Mr. Larry R. Morrison Mrs. Marion Dugan, Chapter CT of PEO Sisterhood
Father Eugene Neff Friends and Family Mr. and Mrs. Fred H. Perabo
Mr. and Mrs. Robert E. Rauh Mr. and Mrs. Lawrence A. Morgan
Mr. Roy Pfautch Mr. and Mrs. Sheldon C. Cohen Ms. Virginia M. Gaebel Mr. Mark D. Hirschfeld
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Miss Alma K. Reitz Ms. Jackie Juras
Dr. P. Mick Richardson Dr. L. M. Brunt and Dr. Elizabeth Matthews Bruntnell
Mr. and Mrs. James Rittenbaum Dr. and Mrs. Milton T. Fujita
Rick and Julie Rodriguez Michael and Angela Ragan
Mr. and Mrs. Richard B. Rosenthal Mrs. Sury Seldin
Mrs. Glenda Seldin Mrs. Sury Seldin Ms. Rosalie Siefke Ms. Jackie Juras
Dr. Thomas Weber Mr. and Mrs. Scott Egglishoff
Mrs. Ann Duvall Wyatt The Duvallis
Mr. and Mrs. John A. Yunker Mr. Judy Cohen Dr. and Mrs. Sheldon C. Cohen Ms. Virginia M. Gaebel Mr. Mark D. Hirschfeld
Mrs. Elizabeth F. Morrison Mrs. Alice O’Brien Mr. and Mrs. Richard T. Price Mrs. Thecla Reiss Mr. and Mrs. Larry M. Sowell Dr. and Mrs. Frank Waserman
Mrs. Gloria W. Wotka Mr. and Mrs. Mark H. Zorensky

In Memory of

Mrs. Mildred Juanita Allen Ms. Rhiannon P. Kaye
Mrs. Mary P. Altenbach Harry Glenn and Ted Funkhouser
Mr. and Mrs. Charles Hienmenz III
Mr. and Mrs. A. Charles Hienmenz III
Benjamin A. Rauh Mr. and Mrs. Ron E. Rauh
Madeline Elaine Rauh Mr. and Mrs. Ron E. Rauh

Mr. and Mrs. Peter and Patricia Raven Carolyn and Joseph Losos

Dr. Peter H. Raven Mr. and Mrs. Bourne Bean Mr. and Mrs. Van-Leer Black III Fox Family Foundation
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Mrs. Gloria W. Wotka Mr. and Mrs. Mark H. Zorensky

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Mrs. Theresa G. Bernsen Ms. Patricia M. O’Hare Her friends
Mr. W. Gail Bird Mr. and Mrs. Edmund Blum
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Mr. and Mrs. Richard J. Buschart
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Mrs. Frances Braswell Dr. Patrif Ruff Riddle
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Mrs. JoAnn Brunns The Tracy Family
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Mr. Robert Goldstein Ms. Dorothy J. Hafina Mr. Tom Hickey
Ike Casino Hotel – Biloxi Ms. William R. Kirchhoff Ms. Linda Luck Casino—Marquette Paddock Forest Women’s Club
Ms. Denise Kapasport Mrs. Virginia M. Rios Jordan
Mr. Doug Shipley Ms. Joy R. Stafford Mr. Todd Steffen
Mr. Mike Burns Mr. and Mrs. Robert J. Glasscock
Mr. Keith David Campbell Mr. Howard J. Wilkinson, Jr.
Mr. Joseph E. Charlevois Mr. Cheryl Barrett
Venkitasubramaniam Chathadi Dr. and Mrs. James Nahlik

Susan D. Clopton Gwen Clopton and Michael Donovan
Mrs. Troy W. Cole Mrs. Betty J. Cole
Maureen Collins Mr. and Mrs. James E. Clark, Jr.
Mrs. Katherine Cooper Ms. Nancy S. Swoboda
Frank’s Dad and Clare’s Mom Mr. and Mrs. Richard Kautzman
Mr. Robert Trammell Crow Mr. and Mrs. Robert E. Kresko
Mr. Chip Deggenendorf Mrs. Donald and Jo Schennemann
Mr. Caleb DePriest Mrs. Ajhila Barendregt
Mr. Karl D. Dextheimer Mr. and Mrs. Eric R. Weidmann
Mrs. Phyllis Brady Donovan Gwen Clopton and Michael Donovan
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Mrs. Dianna Drinkard Ms. Alice M. Bardsa
Mrs. Charlotte M. Ehlenbeck Ms. Lois Carter
Mr. John C. Emmons Mr. and Mrs. Paul Egan
Mr. C. Dean Fales Mr. and Mrs. John D. Fudemberg
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Bryan Cave LLP friends and co-workers
Mr. and Mrs. Thomas G. Fellner
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Mr. and Mrs. Larry Finn Mr. and Mrs. Christopher J. Hartiz
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Mr. and Mrs. Phillip E. McCrory
Ms. Cheryl Morrow
Mr. and Mrs. James L. Nous, Jr.
Mr. and Mrs. David L. Oldani

Create a legacy

Leaving a bequest to the Garden creates a legacy that will benefit others for generations to come. If you have already included the Garden in your estate plans, we hope that you will share this information with us. We would like to express our gratitude and welcome you into the Heritage Society. Of course, your wishes for anonymity are respected. Please call (314) 577-9495 for further information, or visit our website at www.mobot.org. Click on Donate, then Planned Giving.
Consider a Charitable Gift Annuity Today

A charitable gift annuity is a contract with the Missouri Botanical Garden in which you agree to make an irrevocable donation. The Garden, in turn, agrees to make fixed payments to you for your lifetime. (You can have the payments benefit others, too.) Many donors have benefited from charitable gift annuities.

The portion of your gift that remains at your death helps support the Garden. It’s a gift that enables you to meet your charitable goals, provides you with tax-favored lifetime payments, and offers immediate income tax savings. If you are retired and depend on stock dividends for income, consider a charitable gift annuity instead of a CD. The rate of payment is determined by the ages of those receiving payments at the time of the contribution—the older the recipients, the higher the rate.

For more information, contact Sharon Mertzlufft at (314) 577-9495 or sharon.mertzlufft@mobot.org. You may also visit www.mobot.org to explore the planned giving guide under the “Give to the Garden” page.
Members’ Entry Court

Bricks dedicated at the Garden, April through June 2011.

Engraved clay bricks and bronze bricks are a wonderful way to commemorate any special occasion, as well as final memorials. For additional information regarding the Garden’s brick program, please contact the Institutional Advancement Office at (314) 577-0291 or visit www.mobot.org.

Signature

Brick

Judy Davis Fink
Bryan Cave LLP Friends and Coworkers

Stephanie P. Harris
Patricia Jo Harris
Mr. Stephen P. Harris

Virginia G. Laschober
Mr. Walter L. Laschober

Mildred E. Villa
Mr. and Mrs. Eugene P. Villa

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Mrs. Jana Attreeberry
Southern Clayton Garden Club

Mr. and Mrs. David G. Dintz
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Mrs. Jackie Juras
Mr. Richard E. Kuehner
Dr. and Mrs. Nicholas T. Kouchoukos

Mrs. Jane D. Landbaum
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Mr. and Mrs. Kingsley O. Wright, Sr.

Mrs. Edith Jenkin Spink
Mr. and Mrs. David C. Farrell
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Ms. Lisa Burns

Mr. Gene E. Talbott
Mr. and Mrs. Allan Lubin

Mrs. Ruth A. Tarver
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Mr. Joseph D. Tripodi
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Mrs. Alicia P. Withers
Mrs. Ann Key

Ms. Cindy Wrobel
Ms. Jill A. Goodman

Mr. Roger C. Zimmermann
Mrs. Helen D. Satter

Engraved

Clay Bricks

Carol and Paul Albert
Miss Alma K. Reitz

Bill J. and Mary D. Auchly
Mr. Todd Govro

Kenneth M. Brooks
Mrs. Ruth A. Brooks

Tim Claise
Mr. and Mrs. Gregory Morgan
Ms. Melissa Talbott

John and Christy Connor
Miss Kathryn L. Connor

Florence Corman
Dr. Mark Corman

Raymond Memon Deering
Mr. Shaun J. Benyr

Lily Grace Hagan
Mr. and Mrs. Joseph C. Hagan

Moonam Kang
Takeo Ono

Mrs. Linda D. Barlows

Paul and Mary Reitz
Miss Alma K. Reitz

Gail and Tom Sterling
Miss Alma K. Reitz

Marc Allen Unverricht
Mr. and Mrs. Lowell K. Unverricht

Sophia M. Sachs
Butterfly House Tributes & Pavers

Tributes and Pavers dedicated at the Butterfly House, April through June 2011.

To learn more about these opportunities, call (314) 577-0291 or visit www.butterflyhouse.org.

Tributes

In Honor of

Mr. Louis S. Sachs
Dr. and Mrs. Marvin Renuard

Ms. JoAnn Ruth Thomas
Mrs. Jackie Juras

Pavers

Anita Yohler and William Eugene Baldwin
Mrs. Anita Y. Baldwin

Glady M. and William H. Baldwin
Mrs. Anita Y. Baldwin

Matt Bazoan
Mr. and Mrs. Daniel Mauch

Rachel Anne Bequette
Mr. and Mrs. James R. Mikko

Abigail and Ryan Fairbanks
Ms. Cynthia A. Weber

Janet Sue and Clifford Gardner
Mrs. Anita Y. Baldwin

Christopher B. Graville, Jr.
Mr. and Mrs. Bob Scott

Sofia Grace Johnson
Ms. Judith A. Scott

Phyllis E. Moore
Mr. and Mrs. Joseph A. Saffo, Sr.

Joe Nagy
Mr. and Mrs. Michael Heinz

Marc Parnore, Jr.
Mr. and Mrs. Jeffrey L. Hirsch

Suzanne Phyllis Yohler Pretzel
Mrs. Anita Y. Baldwin

Gloria Ringkamp
Ms. Susan Ringkamp Smith

Brittany A. Smith-Holden
Mrs. Jill S. Holden

Esther M. and Robert T. Yohler
Mrs. Anita Y. Baldwin

photo by Jonathan Knobelock

photo by David Lampe

Low-maintenance livestock

This adorable family of goats is made in Texas from recycled scrap metal. Check out the Garden Gate Shop’s selection of gifts for the urban farmer in our holiday homesteading display. Members always receive a discount.

Story Time!

Join us and receive 20% off all children’s books on story time day. Gather around the sofa in the book area at 10 a.m. to hear stories from the following great books:

September 3: Chicken Butt’s Back! by Erica S. Perl and Chicken Cheeks by Michael Ian Black and Kevin Hawkes

October 1: Red Wagon by Renata Liwska and Bats at the Ballgame by Bran Lies

November 5: All the Seasons of the Year by Deborah Lee Rose and Velveteen Rabbit by Margery Williams
Japanese Festival
Saturday and Sunday, September 3–4, 10 a.m. to 8 p.m.
Monday, September 5 (Labor Day), 10 a.m. to 5 p.m.
The Garden’s annual celebration of Japanese arts, culture, and cuisine features taiko drumming, bon odori festival dancing, martial arts, candlelight walks in the Japanese Garden, and more.
Sponsorship support by Bodine Aluminum, BSI Constructors, Central States Coca-Cola Bottling Company, and Novus International.

Best of Missouri Market®
Friday, September 30, 6 to 9 p.m., Saturday and Sunday, October 1–2, 9 a.m. to 5 p.m.
Members only – Saturday, October 1, 7 to 9 a.m. and Sunday, October 2, 8 to 9 a.m.
Over 120 Missouri food producers and crafters offer everything from fresh produce to custom jewelry. Live music and Kids Corner activities. Outdoors under tents, rain or shine.
NEW! First Look Friday: Don’t miss this early chance to shop and dine in celebration of the Market’s 20th anniversary. Enjoy music and attendance prize drawings, too!
Admission: $12 adults (13–64), $10 seniors (65+), $5 children (3–12), $5 members. Buy tickets in advance online at www.mobot.org. No trams.

Gardenland Express
November 23, 2011 through January 2, 2012
The annual holiday flower and train show caps off a TREEmendous year with “the gifting tree,” celebrating the many benefits we receive from trees. 9 a.m. to 5 p.m. daily; closes at 4 p.m. on Christmas Eve and New Year’s Eve; closed Christmas Day. Orthwein Floral Display Hall.
Admission: Garden admission plus $5; free for members.
Sponsorship support is provided by Central States Coca-Cola Bottling Company.

Gardenland Express Members’ Evening | Wednesday, November 30, 5 p.m.

Fall Wildflower Sale
Friday, September 9, 4 to 8 p.m., Shaw Nature Reserve
For new and experienced gardeners. Stroll the Whitmire Wildflower Garden to get inspiration and talk to staff and experts on how to use native plants in your landscaping. $5. Rain or shine. Information: (636) 451-3512.

Nordstrom St. Louis Galleria grand opening gala
Wednesday, September 21, 6 to 9 p.m., Saint Louis Galleria
Benefiting local cultural institutions, including the Garden. $75. Reservations required; call (314) 577-5152 or visit www.mobot/nordstrom.

Just for Members

Members’ Day: “Botanical Gardens and Plant Conservation”
by Dr. Peter Wyse Jackson
Tuesday, September 20, 10 a.m. Shoemember Theater. Information: (314) 577-5118.

Members’ Event:
Best of Missouri Market
Members’ Breakfast
Saturday, October 1, 7 to 9 a.m. and Sunday, October 2, 8 to 9 a.m. $5.

Young Friends Fest-of-Ale
Friday, October 14, 6 to 10 p.m.
Enjoy appetizers, beer, and live music under the stars with the Young Friends of the Missouri Botanical Garden. $15 ($30 nonmembers). Reservations required: (314) 577-9570 or www.mobot.org/membership. Information: (314) 577-5120.

Ghouls in the Garden
Sunday, October 30, 1 to 3 p.m. Free for Garden members (5 nonmember children ages 3 to 12). Special Children’s Garden closing activities, too! Reservations required: (314) 577-9570 or www.mobot.org/membership. Information: (314) 577-5154.

Members’ Day:
Holiday Decorating
Tuesday, November 8, 11 a.m.
Shoeember Theater
Join Dean Reibling of Botanicals Design Studio for tips and tricks to deck your halls. Information: (314) 577-5152.

Holiday Wreath Auction
Saturday, November 19 to Wednesday, December 28, Monsanto Hall
Bid on unique creations from some of the area’s finest floral designers. Proceeds benefit the Garden.

Fall Wildflower Sale
Saturday, September 24, 9 a.m. to 5 p.m.
Celebrate sustainable living! Get home-greening ideas from 100+ exhibitors. Learn how to stay healthy and prevent cancer by talking with Washington University physicians. Plus workshops, local foods, kids’ activities, and more. Sponsored by Ameren Missouri. Presented by the Garden’s EarthWays Center with Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine. Included with Garden admission. Information: www.greenhomesSTL.org
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<td><strong>the great St. Louis tree hunt</strong>&lt;br&gt;through September 30&lt;br&gt;&lt;b&gt;Presented by Gamma Tree Experts&lt;br&gt;Download a brochure at <a href="http://www.mobot.org/treemen.html">www.mobot.org/treemen.html</a>**</td>
<td><em>Little Acorns: Earthwalk&lt;br&gt;9:30 a.m., $</em> SNR</td>
<td><strong>Go Green for the Holidays!</strong>&lt;br&gt;The Garden calendar and holiday cards are printed on 100% post-consumer recycled paper. Purchase yours today in the Garden Gate Shop.</td>
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<td>*Fall Wildflower Ramble, 9:30 a.m. $ SNR</td>
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<td>*Native Plant School: Native Seed Collecting, Cleaning, &amp; Storage, 1 p.m. $ SNR</td>
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**average temperature:**<br>low 60.3°, high 80.1°<br>**average precipitation:** 2.96 in.

*What’s in bloom?*

- windflower
- coneflower
- blood flower
- aster
- hydrangea

*September 2011*

<table>
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</tbody>
</table>

*photos by Carol Graves, Becky Homan, Glenn Kopp, Theresa Pafford, Christine Siebert, and Erin Whitson*
## October 2011

**What's in bloom?**

- **Mums**
- **Gourds**
- **Dahlia**
- **Sunflowers**
- **Goldenrod**

Average temperature: Low 48.2°, high 68.3°

Average precipitation: 2.76 in.

### Key (All events take place at the Garden unless otherwise noted.)

- BH: Butterfly House
- CA: Cohen Amphitheater
- CBE: Commerce Bank Center
t
- CHD: Children's Garden
- CL: Clifton lawn
- GGS: Garden Gate Shop
- JE: Jordan Education Wing
- KC: Kemper Center for Home Gardening
- MH: Monsanto Hall in
- SNR: Shaw Nature Reserve

### Sunday

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>02</td>
<td>Members only–8 to 9 a.m. $</td>
</tr>
<tr>
<td>09</td>
<td>Seeing Nature Through the Lens, 7 a.m. $ SNR.</td>
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<tr>
<td></td>
<td>TREEmendous Canopy Climb, 12:30 p.m. $ SNR</td>
</tr>
<tr>
<td>16</td>
<td>Greater St. Louis Daffodil Society sale and Mid America Regional Lily Society sale. RVC</td>
</tr>
<tr>
<td>23</td>
<td>Mike Fay Live: “Climbing Redwood Giants.” 2 p.m. ST</td>
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<tr>
<td>30</td>
<td>Children’s Garden closes for the season. $</td>
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<td></td>
<td>Ghouls in the Garden. 1 to 3 p.m. $</td>
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</table>

### Monday

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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</thead>
<tbody>
<tr>
<td>03</td>
<td>Little Acorns: Autumn Celebration, 9:30 a.m. $ SNR</td>
</tr>
<tr>
<td>10</td>
<td>Members’ Day: October Owls and Orchids. BH</td>
</tr>
<tr>
<td>17</td>
<td>Members' Day: Walking Tour of Trees. 11 a.m. ST</td>
</tr>
<tr>
<td>24</td>
<td>DIWALI</td>
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<tr>
<td>30</td>
<td>HALLOWEEN</td>
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### Tuesday

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>04</td>
<td>Spink Pavilion</td>
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<tr>
<td>11</td>
<td>Members-only event</td>
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<tr>
<td>18</td>
<td>Daffodil Society sale. RVC</td>
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<tr>
<td>25</td>
<td>Plastic Pot Recycling Through Oct. 31</td>
</tr>
<tr>
<td>31</td>
<td>Members’ Day: October Owls and Orchids. BH</td>
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</tbody>
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### Wednesday

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<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>05</td>
<td>Closing for the Season Oct. 31:</td>
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<tr>
<td></td>
<td>- Children’s Garden</td>
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<tr>
<td></td>
<td>- Tram operations</td>
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<td></td>
<td>- Terrace Café at the Kemper Center for Home Gardening</td>
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</tbody>
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### Thursday

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>06</td>
<td>Native Plant School: Fall Native Perennials &amp; Grasses for Landscaping, 1 p.m. $ SNR</td>
</tr>
<tr>
<td>13</td>
<td>Native Plant School: Fall Native Perennials &amp; Grasses for Landscaping, 1 p.m. $ SNR</td>
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<tr>
<td>20</td>
<td>Around the World Wine Dinner. 6:30 p.m. $</td>
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### Friday

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<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>07</td>
<td>Members’ Day: Walking Tour of Trees. 11 a.m. ST</td>
</tr>
<tr>
<td>14</td>
<td>Native Plant School: Fall Native Perennials &amp; Grasses for Landscaping, 1 p.m. $ SNR</td>
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<tr>
<td>21</td>
<td>Members’ Day: Walking Tour of Trees. 11 a.m. ST</td>
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### Saturday

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<th>Date</th>
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<tbody>
<tr>
<td>08</td>
<td>01</td>
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<tr>
<td>15</td>
<td>Members only–7 to 9 a.m. $</td>
</tr>
<tr>
<td>22</td>
<td>Story time. 10 a.m. GGS</td>
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<tr>
<td>29</td>
<td>01</td>
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**Notes:**

- **YOM KIPPUR**
  - Wildflower Identification Ecology, 9 a.m. $ SNR
  - Seeing Nature through the Lens, 7 a.m. $ SNR
  - Flying Wild Festival, 10 a.m. SNR

- **COLUMBUS DAY**
  - Members’ Day: October Owls and Orchids. BH

- **What’s in bloom?**
  - Mums
  - Gourds
  - Dahlia
  - Sunflowers
  - Goldenrod

- **Average temperature:** Low 48.2°, high 68.3°

- **Average precipitation:** 2.76 in.

**Photos:** Kimberly Bretz, Lauren Kirkwood, Glenn Kopp, Tammy Palmier, and Leslie Patrice.
### November 2011

**average temperature:**
- low 36.7°, high 53.8°
**average precipitation:** 3.71 in.

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<thead>
<tr>
<th>Sunday</th>
<th>Monday</th>
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<th>Wednesday</th>
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<td>Gift membership sale</td>
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<td>Members’ 20% off sale</td>
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<td>Members’ 20% off sale</td>
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<td></td>
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<td>Little Acorns: Feast for the Birds, 11:30 a.m.</td>
<td>Gift membership sale</td>
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<td>Members’ 20% off sale, GGS</td>
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<td>EID-AL-ADHA</td>
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<td>Members’ Day: Holiday Decorating, 11 a.m.</td>
<td>VETERANS DAY</td>
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<td>Gift membership sale</td>
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<td>Members’ 20% off sale, GGS</td>
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<td>Partners for Just Trade trunk show, GGS</td>
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<td>Science Café, 7 to 9 p.m., Herbie’s Restaurant</td>
<td>Around the World Wine Dinner, 6:30 p.m.</td>
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<td>Great Green Adventures: Marvelous Mediterranean, $</td>
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<td>THANKSGIVING</td>
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<td>Members’ Day: Holiday Decorating, 11 a.m.</td>
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<td>Get a jump on holiday shopping! Buy Garden, Garden Plus, and Family level gift memberships at 20% off November 3–6. (Discounts apply to on-site sales only.)</td>
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</tbody>
</table>

*photos by Kimberly Bretz, Mary Lou Olson, Leslie Patrice, John Smeber, and Chris Starbuck.*
20th Anniversary

Best of Missouri Market®

Friday, September 30 to Sunday, October 2, 2011

Special admission rates apply.

Over 120 Missouri artisans present the finest edible and artistic creations the Show-Me State has to offer. Get a head start on holiday shopping while enjoying live music and kids’ activities. Presented by Schnuck Markets. Part of the American Arts Experience–St. Louis.