

# GREEN FOR 150 YEARS



MISSOURI BOTANICAL GARDEN  
ANNUAL REPORT 2009

“TO DISCOVER AND SHARE KNOWLEDGE  
ABOUT PLANTS AND THEIR ENVIRONMENT  
IN ORDER TO PRESERVE AND ENRICH LIFE.”  
-MISSION OF THE MISSOURI BOTANICAL GARDEN



*Main Conservatory, 1906*

## SUSTAINABILITY: *Green for the Next 150 Years*

**I**n 1859, the year Henry Shaw opened the Missouri Botanical Garden to the public, the world's population was approximately 1.2 billion.

One hundred fifty years later, that number has skyrocketed to nearly 7 billion. Based on current projections, by 2050 the population will have ballooned to 9 billion.

Though our population has increased, the planet isn't getting any bigger. We are competing for increasingly scarce natural resources and using them in ways that cannot be maintained over time without causing irreparable harm to our world. Using and safeguarding those resources responsibly is more and more vital.

Sustainability—meeting the needs of the current generation without compromising the resources available to future generations—is the foundation of the strategic plan the Garden adopted in late 2007. Whether it's safeguarding Madagascar's endangered hardwood tree species during political instability or striving to eliminate disposable plastic water bottle use on Garden grounds, sustainability is the principle that underscores every aspect of the Garden's operations.



Because of its commitment to sustainability, the Garden is considered a leading resource on the topic by corporations and governments at the local, national, and global levels. In 2009, the Garden's EarthWays Center was part of the winning team that earned the Missouri Department of Natural Resources' contract for management of *Energize Missouri Communities*, the state's energy efficiency for municipalities program. Visitors to the Garden learned how to make more sustainable choices through the *EarthWays: Living the Green Life* exhibit, while the Garden advanced its own sustainable operations by pursuing LEED certification for the Monsanto Center.

And continuing to prove that you don't have to consume trees to save trees, the Garden's *Get Growing* education catalog is now available exclusively online, and members can opt to receive their *Bulletin* member magazine electronically.

All life on Earth depends on plants for survival, but our actions are causing them to vanish at ever-increasing rates. Wise and careful stewardship of our natural resources, both locally and around the world, will be key to ensuring the health and diversity of plants in the decades to come.



### 150TH ANNIVERSARY MEDAL

*In 2009, a new medal in honor of the 150th anniversary of the Garden was commissioned. The design by Charles P. Reay, creator of the Garden's logo, celebrates the history of the Garden through two of its truly iconic buildings: the Linnean House and the Climatron®. The nine plants pictured—sassafras, Engelmann spruce, saguaro, water lilies, evening primrose, fringe moss, milkweed, ragwort, and corn—represent scientific discovery and have featured prominently in Garden history or research.*

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## FROM THE PRESIDENT

As we celebrate the Missouri Botanical Garden's 150th anniversary, we can look to the future with cautious optimism. Certainly, we face challenges that our founder, Henry Shaw, could not have foreseen.

By the end of this century, half of the estimated 400,000 species of plants could be extinct in nature. The challenge to botanical gardens around the world has never been greater: to discover, document, and preserve the world's vanishing flora—before global climate change and human environmental damage have crossed an irreversible line.

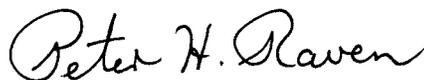
The reason for doing this is clear: plants are the basis of human life. Through the extraordinary process of photosynthesis, the abundant flow of energy from the sun is converted into the foundational requirements for human existence—food, clothing, shelter, fuel, medicine and, over the course of billions of years, oxygen.

In the Garden's ongoing efforts to ensure plants' and our own continued survival, we owe a tremendous debt of gratitude to Nicholas Reding, the outgoing

chairman of the Board of Trustees. In this past year he has not only provided skilled leadership during a time of uncertain economic pressures, but he has also helped spearhead the search for the next president of the Garden, who will lead the institution into its next 150 years.

For nearly 40 years, it has been my privilege to build on Shaw's dream. Today, the work of Missouri Botanical Garden botanists throughout the world provides a basis for effective conservation and sustainable use. Garden horticulturists design plant displays that inspire us all with their beauty and diversity. Garden educators work to instill a love of nature in children so they will become concerned adults—our future botanists and environmentalists.

All life on Earth depends on plants, and we must protect them to save ourselves.



Peter H. Raven,  
*President of the Missouri Botanical Garden*



## FROM THE CHAIRMAN

In 2009, the Missouri Botanical Garden celebrated being "Green for 150 Years." Since its opening in 1859, the Garden has been a hub of research, education, and great beauty for the region and the world. Our yearlong sesquicentennial celebration under the leadership of trustee Scott Schnuck renewed the public's interest in and commitment to this institution.

This year has also been important in the evolution and fulfillment of the Garden's strategic plan, adopted in December 2007. The goals set forth in this document will serve to guide the Garden for the next several years as we continue to be a leader as well as an example of sustainability.

The year was not without its challenges, however. The impact of continuing downward financial pressures due to the economy were felt at the Garden, requiring staff and the board to make some difficult decisions to assure a stable future.

In 2010, Dr. Peter H. Raven will have presided over the Missouri Botanical Garden for nearly 40 years. During his tenure, the Garden has been transformed into one of the top three botanical institutions in

the world. The search for his successor has been an intensive two-year process; there has been much excitement that Dr. Peter Wyse Jackson, head of the National Botanic Gardens, Dublin, will succeed Dr. Raven as president of the Garden on September 1, 2010.

In January 2010, the chairmanship of the Board of Trustees transferred to Arnold Donald. With Vice Chairs Steve Maritz and Cheryl Morley, he will provide the leadership to continue Henry Shaw's example of stewardship, and he will have the assistance of the many members and friends whose generosity provides such critical support.

"For all time for the public good"—founder Henry Shaw's words guide us as we continue the important work of the Garden: protecting biodiversity, promoting sustainability, and educating future generations about the singular importance of plants.



Nicholas L. Reding,  
*Chairman of the Board of Trustees*



# Striving to Protect the Next 150 Years

**T**he Missouri Botanical Garden opened at a pivotal moment in history: 1859, the same year that Darwin's *On the Origin of Species...* debuted. From its inception, the Missouri Botanical Garden was conceived as a place of research, learning, and beauty. Since 1971, under the leadership of Dr. Peter H. Raven, the Garden's scientific explorations have grown dramatically. Today, the Garden has 46 Ph.D. scientists collaborating in 38 countries around the globe, working to fulfill the Garden's mission: "to discover and share knowledge about plants and their environment in



*On the Machinaza Plateau in Ecuador, Garden scientists are studying several species of plants found nowhere else in the world. As global climate change leads lower-elevation species to migrate to higher ground, the plants already on this plateau will face greater competition and potential extinction in the coming decades.*

order to preserve and enrich life." Their work is often daunting...and even dangerous.

The year 2009 was an exceptionally challenging year for Madagascar, where the Garden maintains its largest in-country program with over 50 Malagasy staff. A coup and

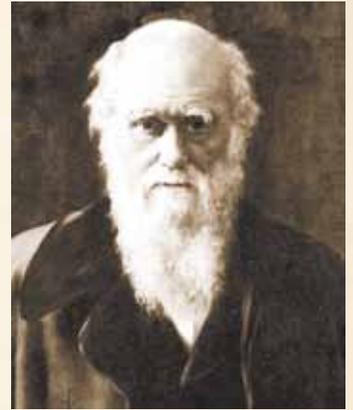
the resulting political instability led to a dramatic increase in illegal exploitation of Madagascar's forests. Many species of rare rosewood and ebony unique to Madagascar are now at the brink of extinction. Roving and violent lumbermen hunted endangered lemurs for food while they illegally harvested these woods. The Garden joined forces with conservation organizations around the world in an effort to combat this destruction through raising public awareness and international pressure, but restoring stability and preserving biodiversity will take a sustained commitment for years to come.

A new program in the tiny island nation of São Tomé showed promise. The

government had no previous experience in "bioprospecting" their unique flora, but with the Garden's help, they negotiated an agreement with the National Cancer Institute that protects their intellectual property rights and provides equitable benefit sharing, conditions that all Garden scientists must fulfill before beginning field work with local partners. After the Garden's Madagascar-based researcher Richard Randrianaivo trained native São Toméans in required field work techniques, they collected over 65 different species unknown to science for screening as potential drugs to fight cancer and HIV.

Around the world, Garden curator David Neill and his colleagues and students in Ecuador are studying the impact of climate change on plants and seeking ways to help vulnerable species survive in the coming decades. Historical records and old photographs show that the glaciers on the Andean volcanoes have retreated during the past 200 years as the climate has warmed. Preliminary evidence suggests that high-elevation plants have migrated upward, and face stiff competition and an eventual dead-end. Garden researchers in Costa Rica, Bolivia, Peru, Tibet, and Vietnam are discovering the same impacts while cataloging new species by the dozens. Their research helps provide documentation for future conservation. But will it help in time?

Today's botanists confront conditions that Shaw and his colleagues might never have imagined. Through agricultural methods, industrialization, and urbanization, we have profoundly altered the ecosystems we live in and depend upon. **Within the next 100 years, one in two plant species may become extinct.** Twenty-five percent of medicines are based on plant compounds. What potential new medicines might we lose?



Charles Darwin

## Documenting Darwin

Among the Garden's treasures is a small collection of Darwin-related material. They include *Asplenium dareoides*, a small fern specimen Darwin collected on December 30, 1834, in Cerro Tres Montes, Chile, during the voyage of the HMS *Beagle*. He wrote a three-page letter to the eminent English naturalist and paleobotanist, Professor William Crawford Williamson, in 1846 to discuss South American fossils. Most celebrated is the Garden Library's first edition of Darwin's *On the Origin of Species...*, one of only 1,170 copies of this edition in existence.

*In building his garden, Henry Shaw consulted the best botanical minds of the day, including Dr. Asa Gray, professor of Harvard University, who is memorialized in stone atop the Linnean House. English naturalist Thomas Nuttall is at left. At center is Carl Linnaeus, the Swedish inventor of the binomial naming convention, considered the "Father of Taxonomy." The Linnean House is named in his honor.*

“...for the use of the public...a Botanical garden easily accessible...forever kept up...and a museum and library devoted to the same and to the science of Botany, Horticulture, and allied objects.”

—Henry Shaw, *Last Will and Testament* (1889)

# Building the Foundation for Preservation

**S**ystematics is the study of the diversity of life, both past and present, and the relationships among living things through time. Taxonomy is the closely related field of naming and classifying organisms. Considered together, systematics and taxonomy provide the groundwork for understanding all of biodiversity, and they have been at the center of research at the Missouri Botanical Garden since the beginning.

Shaw's local scientific advisor, Dr. George Engelmann, published several important botanical monographs, and the first scientific paper in the Garden's *Annual Report* was a revision of the North American genus of

willow-herbs (*Epilobium*) by Director William Trelease, who helped establish the Garden as a center of systematic botany. Today, the *Annals of the Missouri Botanical Garden*, as it is known, is a journal of systematic botany and taxonomy recognized as one of the world's premier scientific publications, and the Garden hosts

an annual systematics symposium. Without scientific documentation, plants are unlikely to be subjected to routine analysis for medicinal or other useful properties—and they are unlikely to be included in conservation plans for the future.

In October, the Missouri Botanical Garden hosted an international symposium on plant conservation in the Caucasus, a hostility-torn region with a very diverse, important flora. The Garden invited scientists from Armenia, Azerbaijan, Georgia, Iran, Russia, and Turkey to come to the U.S. to discuss the cooperative creation of a list of endangered plants. Political tensions are still high, but work is in progress on the list right now. As the Garden's associate curator Dr. Tatyana Shulкина put it, "Plants know no borders." When completed, the list will become the basis for conservation plans.

Even in our own backyard, plants are endangered. The Garden's Dr. Matthew Albrecht has made several field trips to collect seeds of endangered plants unique to the American Midwest, including two federally endangered species as well as *Claytonia ozarkensis*, a newly described species that is known only from Arkansas, Missouri, and Oklahoma. This last species is part of the National Collection of Endangered Species of the Center for Plant Conservation, headquartered at the Garden.



*The Caucasus Mountains are situated between two continents and span six countries. The Garden hosted an international symposium in October to discuss the evolution of the region's endangered plants to form the basis for conservation plans.*

## Celebrating Milestones

The Missouri Botanical Garden celebrated its sesquicentennial in 2009, but the Garden wasn't alone. Singapore Botanic Gardens celebrated 150 years as well, and the Royal Botanic Gardens, Kew, celebrated 250 years. During their anniversary symposium, Kew awarded their first-ever International Medal to Garden President Dr. Peter H. Raven for "distinguished, internationally recognised work."



*At Kew's 250<sup>th</sup> anniversary celebration (from left): Sir Peter Crane (former Kew Director), Garden President Dr. Peter Raven, Dr. Stephen Hopper (current Kew Director), and Sir Ghillelean Prance (Kew Director before Crane).*



The Garden's sesquicentennial, *Green for 150 Years*, has proved the occasion for looking back in time. Botany is a history-based science. Old, rare books and specimens offer important information about which plants grew where and when, and what has been known about them over time. The Missouri Botanical Garden Library and Herbarium are among the finest botanical resources in the world. In July, the Institute of Museum and Library Services awarded a grant for a project to photograph rare and important herbarium specimens and share

them on the Internet. Garden staff will scan and create an online public display of the Engelmann Herbarium, a collection of over 8,000 specimens gathered during George Engelmann's pioneering expeditions into the American West following those of Lewis and Clark. "They are the first scientific records of plants growing in the vast wilderness west of the Mississippi River," said Chris Freeland, the Garden's director of biodiversity informatics. "By scanning them, researchers all over the world may study them."

*Garden director Dr. William Trelease (right) collecting specimens by burro in Cerro Colorado, Tehuacán, Mexico, 1904. Since its founding, the Missouri Botanical Garden has been dedicated to botanical science. According to the will of founder Henry Shaw, the George Engelmann Professor of Botany at Washington University "shall be either the Director...or the person next to him in rank." Trelease went on a number of botanical trips, including the Harriman Expedition to Alaska in 1899. He authored several monographs, including one on giant cacti of Mexico.*



*"Botany is that branch of Natural History which relates to the naming and classification of plants, the external forms of plants and their anatomical structure, their distribution over the globe at the present and at former epochs, and the uses to which they are subservient."*

—Henry Shaw, *A Guide to the Missouri Botanical Garden* (1885)



## 150 Years of Fun

**G**arden founder Henry Shaw loved a party. A frequent host of dinners and concerts, he created in the Missouri Botanical Garden a spectacular setting for public enjoyment. Visitors to the Garden were delighted by the improved welcome they received in 2009 following the main entrance construction project. Better traffic flow and

safer pedestrian spaces were enjoyed along with a new display in the central median of over 1,500 giant, purple *Allium*.

In Shaw's day, visitors to the Garden were refreshed by drinking fountains. Today, staff, volunteers,

and visitors are encouraged to do so as well—and to use sustainable refillable water bottles rather than disposable plastic. Plastic bottled beverages are not sustainable: about 86 percent of empty bottles land in the garbage instead of being recycled. Refillable water bottles are now sold at

the Garden Gate Shop, Sassafras, Terrace Café, and at the Whitaker Music Festival. All water at in-house meetings is served in reusable pitchers, and bottled water is no longer sold in vending machines.

Thanks to our presenting sponsor, Emerson, the Garden was able to offer the public an exciting yearlong celebration featuring the spectacular floral clock, special exhibits, lectures, and free events. In addition, the new “Healthy You, Healthy Planet” festival promoted the power of plants to heal. Attendance revenue increased for the Garden's three signature cultural events—Chinese Culture Days, Japanese Festival, and Best of Missouri Market®—as well as the annual orchid and holiday shows. The Whitaker Music Festival continues to prove one of the most popular outdoor music series in St. Louis. Even with two rain-outs, attendance was 55,924.

The Garden continues to enjoy one of the highest membership renewal rates of any cultural attraction in the country: 76 percent. Garden members in 2009 enjoyed expanded family programming with Eggstravaganza, Family Picnic, and Ghouls in the Garden. The Young Friends organization reached out to those in their 20s and 30s with a new Trivia Night and a return of the popular Fest-of-Ale. However, the biggest event of 2009 was undeniably the 150th anniversary gala, “The Garden Comes Alive.”



*Sesquicentennial in honor of Henry Shaw's birthday in the Italian Garden west of the Palm House, 1950. Today the Climatron is located on this site.*



*“Of all public resorts, a garden is not only one of the most delightful mediums for intellectual gratification but also for amusement.”*

*-Henry Shaw, A Guide to the Missouri Botanical Garden (1885)*





## The Garden Comes Alive

The Missouri Botanical Garden celebrated 150 years at a gala where performers appeared as statues, wrapped in ivy, and adorned as butterflies. The Garden thanks committee members, sponsors, donors, and guests for making the evening a success and for their contributions to support the Garden's next 150 years.

### Sesquicentennial Gala Sponsors

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# Growing Shaw's Legacy

**W**hen the young Henry Shaw first visited the prairie that would become the Missouri Botanical Garden, he spied a land “uncultivated, without trees or fences, but covered with tall luxuriant grass, undulated by the gentle breezes of spring.” By the time Shaw began his project some 30 years later, he found a grove of sassafras there, which gave Tower Grove House its name. The grove of sassafras still stands near Shaw’s mausoleum, but almost every other tree and shrub that visitors see was planted by Shaw and his gardeners.



In 2009, the Garden’s Horticulture Division used coring to identify several trees that date back to Shaw’s lifetime. In addition to the sassafras grove, there is a black gum (*Nyssa sylvatica*) from circa 1885 in what is today the Japanese Garden, an allée of Osage oranges (*Maclura pomifera*) circa 1850s in the Doris I. Schnuck Children’s Garden, a bald cypress (*Taxodium distichum*) circa 1874

near the Lehmann Building, and a ginkgo (*Ginkgo biloba*) circa 1884 near the Cleveland Avenue Gate House. In honor of the Garden’s sesquicentennial, visitors could take a history-themed audio tour of the grounds, which included these trees, as well as “Shaw’s Vegetable Garden,” planted with heirloom varieties Shaw was known to have ordered based on a receipt in the Garden’s Archives.

While preserving history, the Garden also continues to respond to the newest thinking in horticultural best practices. In 2009, a

rain garden was installed at the William T. Kemper Center for Home Gardening. When a storm dumps buckets of rain, the landscape can become flooded, with most of the water running into the storm sewer from rooftops, driveways, and steep hillsides. Rain gardens capture this runoff, retaining it for absorption back into the soil and slowing its migration to rivers and streams. More than just functional, the new garden is beautiful in three seasons with over thirty varieties of plants.

Visitors to the Garden in February and March delight their senses with a stroll through the Linnean House, where over 50 different tender camellias are in peak flower. In addition, the Garden has been testing new hardy camellias outdoors to see if they will survive St. Louis winters. *Camellia* ‘Winter’s Joy,’ ‘Winter’s Star,’ and ‘Snow Flurry’ all managed to flower in the English Woodland Garden, even after being left uncovered in their second season. In addition, several cultivars of *C. japonica*—‘Spring’s Promise,’ ‘April Tryst,’ ‘April Snow,’ and ‘April Dawn’—have survived and flowered several winters. The 2009–2010 winter has featured record cold temperatures, so the Garden’s horticulture team will be watching to see how these beautiful shrubs perform this spring.

The year 2009 was also a banner year for horticultural recognition. In June, the Missouri Botanical Garden hosted the American Public Gardens Association annual conference, which was attended by staff of other public gardens from around the country. In July, the Missouri Botanical Garden was awarded the prestigious Horticultural Landmark designation from the American Society for Horticultural Science. The honor is bestowed upon the highest tier of horticultural sites around the world—historical, scientific, aesthetic, or environmental sites selected for their horticultural excellence.

Today, “Shaw’s Garden,” as it is locally known, continues to be an oasis of beauty in the heart of the city—a place of relaxation and contemplation, but also learning and growth.

Above: *Camellia japonica* ‘April Dawn’ is one of several hardy new camellias being tested by Garden horticulture staff to see how they fare in winter conditions in St. Louis.

Opposite: Charles Fritz, left, and Claude Johnston, right, unload flowers for the 1953 Easter Show.



*“The wisdom and goodness of God is shown  
in the growth of flowers, fruits, and other products  
of the vegetable kingdom.”*

—Henry Shaw, *Last Will and Testament* (1889)





*Nearly 100,000 students from throughout the St. Louis region participate in the Garden's education programs each year.*

## *A Greener Future*

**A**re our children spending enough time outside exploring and discovering nature? Will the next generation be inspired and equipped to tackle our planet's most pressing environmental challenges? Does our love of nature translate to our everyday behaviors and choices? The Missouri Botanical Garden is pursuing these questions and more as it strives to cultivate an appreciation and stewardship of plants and the natural world. Renowned as one of the world's leading botanical research institutions, the Garden also remains committed to founder Henry Shaw's simple wish: The "instruction of pupils shall be attended to."

Today, the Garden's Education Division offers instruction and enrichment to students and teachers, kids and families; horticultural therapy for senior citizens and special needs populations; and life-long learning programs for all. Garden educators teach on Garden grounds, offering drop-in programming for families at the Doris I. Schnuck Children's Garden and teacher professional development at the Commerce Bank Center for Science Education. They also go out into the community with field trips and camp experiences at the Shaw Nature Reserve, Sophia M. Sachs Butterfly House, EarthWays Center, and Litzsinger Road Ecology Center.



*“To all classes of society, the old and the young...a garden may be considered an object of interest and of instruction.”*

—Henry Shaw, *A Guide to the Missouri Botanical Garden* (1885)



In 2009 Garden educators invited the public to experience *EarthWays: Living the Green Life* in the Brookings Interpretive Center. Created and sponsored by Maritz, this hugely popular interactive exhibit explored technology and ideas for sustainable living. Visitors took a virtual ride through winding trails and became a “power plant,” generating their own electricity.

The first-ever *Power of Plants* contest drew hundreds of entries. The contest challenged individuals and groups in kindergarten through grade 12 to creatively tell the story of an amazing plant “superhero” through a two- or three-dimensional work of art. The grand prize winner, Lauren Epley from St. Francis of Assisi Middle School in St. Louis, won a \$1,000 savings bond for her innovative presentation on the vanilla bean plant. Her winning entry inspired the plant superhero mascot for the 2009–2010 contest.

In 2009, Science Alliance—a Boeing-supported collaboration between the Garden, St. Louis Zoo, and St. Louis Science Center—helped Mullanphy Elementary School increase its rate of teachers applying inquiry-based strategies, increase its student scores in (and enthusiasm for) science, and involve a greater number of families.

At the Litzsinger Road Ecology Center, a private educational and research facility in Ladue managed by the Garden, students learn to be ecological guardians of their own schoolyard or local park. Projects such as replacing invasive plants with native species, or stabilizing a stream bank with vegetation, set the next generation on a course toward sustainability. In 2009, with support from the National Science Foundation, Litzsinger staff worked with the Massachusetts Institute of Technology to pilot a program with area schools in which students use handheld computers equipped with Global Positioning

System receivers to solve environmental mysteries set in their local parks.

Students from area high schools also participated in field experiences in Missouri ecology, biodiversity, restoration, and protection of natural habitat as part of the Shaw Institute for Field Training (SIFT) at the Shaw Nature Reserve. SIFT is a partnership between Washington University’s Tyson Research Center and the Reserve funded by a five-year grant from the National Science Foundation. Students also participated in a monarch migration study by tagging six butterflies. This spring, they were delighted when one of the tagged monarchs was recovered in El Rosario, Mexico!

The Nature Explore Classroom™ at the Shaw Nature Reserve celebrated its first anniversary in 2009, while the Nature Explore Classroom at the Garden turned two in June. Developed by the Arbor Day Foundation as a response to the growing disconnect between children and nature, these spaces feature hands-on activities using natural materials in creative ways. The Garden was the first botanical garden in the nation to incorporate a certified Nature Explore Classroom on its grounds.

Shaw imagined a place of learning at his Garden. Little did he imagine how far beyond his original efforts the Garden’s education initiatives would reach 150 years later.



*Students and instructors from the School of Gardening pose on the steps of Tower Grove House at graduation, 1917.*

## The Garden's Family Tree

*The Missouri Botanical Garden has grown beyond founder Henry Shaw's old stone walls at 4344 Shaw Boulevard in St. Louis. Three off-site attractions each complement the Garden's mission in their own unique way.*



### EarthWays Center

Grandel Square  
St. Louis, MO  
(314) 577-0220  
[www.earthwayscenter.org](http://www.earthwayscenter.org)

The Missouri Botanical Garden promotes sustainability through protection of biodiversity and sustainable use of the world's resources. At the Garden's EarthWays Center, visitors learn how to make more sustainable choices in their own lives. EarthWays offers environmental education for school children, including the popular Young Green Builders summer camp, and in 2009 expanded adult classes covering backyard chickens and beekeeping to rainwater harvesting. A fifth consecutive year of homeowner education and referrals

advanced green residential choices. EarthWays serves as the headquarters of the U.S. Green Building Council's regional chapter, and in 2009 launched the new Sustainable Business Network. Missouri Coalition for the Environment again joined EarthWays to produce the 2009 Green Homes Festival. Presented by AmerenUE and ecolifeSTL.com, the festival attracted thousands of visitors.

*The EarthWays Center has 10 full-time staff, assisted by 40 volunteers, under the leadership of Director Glenda Abney. Attendance in 2009 was 6,021.*



### Shaw Nature Reserve

Highway 100  
Gray Summit, MO  
(636) 451-3512  
[www.shawnature.org](http://www.shawnature.org)

At the Shaw Nature Reserve, visitors can get acquainted with the plants and ecosystems of Missouri. In 2009, partnership and programs continued to expand with the help of the Missouri Department of Conservation (MDC). Shaw Nature Reserve and MDC cosponsor the Native Plant School and other Grow Native! activities along with Prairie Day and numerous programs for adults, families, and students.

Reserve, an initiative of the *Stewards of the Earth* capital campaign. When complete, MDC education staff will join Reserve employees in this new energy-efficient space. In 2009, the Nature Explore Classroom™ at the Reserve was expanded and enriched. Nestled under a grove of white pines, children can engage in all kinds of nature-centered creative play.

*The Shaw Nature Reserve has 16 full-time staff, 4 part-time, assisted by 120 volunteers, under the leadership of Director John Behrer. Attendance in 2009 was 61,135.*



### Butterfly House

Faust Park  
Chesterfield, MO  
(636) 530-0076  
[www.butterflyhouse.org](http://www.butterflyhouse.org)

At the Sophia M. Sachs Butterfly House in Chesterfield, the charismatic butterfly and other invertebrates are used to teach visitors about the connections between people, plants, and animals, and to illustrate the fragile balance that exists among them. New and returning events were key to increasing crowds in 2009. March Morpho Mania™ was a huge success. Throughout the month, visitors to the tropical conservatory were immersed in more than 2,000 of the beautiful, iridescent blue morphos. They were also invited to learn about the Butterfly

House's conservation efforts in Costa Rica, the homeland of the morphos.

In October, the Butterfly House offered the first-ever Owl Outings, which included a tour of the tropical conservatory at twilight. The largest butterflies living in the tropical conservatory, the owls are active fliers at dawn and dusk.

*The Sophia M. Sachs Butterfly House has 13 full-time staff, 11 part-time, assisted by 326 volunteers, under the leadership of Director Joe Norton. Attendance in 2009 was 149,496.*



## Art Takes Flight

Over 120 guests enjoyed great food, drinks, music, and the opportunity to bid on work from regional artists at the Butterfly House in September. The Garden thanks committee members, sponsors, donors, and guests for making the evening a success and for their contributions to support education at the Butterfly House.

### Art Takes Flight Sponsors

#### Best of Class

Brown Shoe Company, Inc.

#### Double Gold

The Container Store

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“A Tree is an object which has, at all periods, been held in a certain degree of admiration by mankind, from its grandeur, its beauty, and its usefulness...”

—Henry Shaw, *A Guide to Trees and Shrubs* (1830)

*Clockwise from top: Shaw Nature Reserve features 14 miles of walking and hiking trails for visitors of all ages; the Green Craft Fair at EarthWays Center's Green Homes Festival showcases designs made with reused and recycled materials; visitors to the Butterfly House for March Morpho Mania™ can experience a complete immersion in more than 3,000 of the butterflies.*

# FINANCIAL INFORMATION

Year ended December 31, 2009

## 2009 PUBLIC SUPPORT AND REVENUE

### Public Support

Services provided for Botanical Garden Subdistrict*	\$10,100,000
Contributions and memberships	7,881,999
Bequests	1,303,656
<b>TOTAL PUBLIC SUPPORT</b>	<b>19,285,655</b>

### Revenue

Admissions	2,022,207
Grants and contracts	8,525,068
Retail shops	2,491,909
Education	393,838
Property rentals	393,392
Investment Income, Net	4,130,669
Other	902,044
<b>TOTAL REVENUE</b>	<b>18,859,127</b>
<b>TOTAL SUPPORT AND REVENUE</b>	<b>38,144,782</b>

## 2009 EXPENDITURES

### Program Services

Horticulture	3,250,422
Science and conservation	9,189,129
Retail shops	2,303,543
Education	3,202,352
Butterfly House	1,114,171
Shaw Nature Reserve	997,058
Visitor Services	386,825
Public Events	431,105
Bioinformatics	837,025
Contract services	1,852,836
<b>TOTAL PROGRAM SERVICES</b>	<b>23,564,466</b>

## 2009 EXPENDITURES *continued*

### Supporting services

Management and general	\$7,426,168
Maintenance and improvements	3,032,001
Utilities	993,184
Security	686,825
Membership department	932,298
Institutional Advancement	1,422,869
<b>TOTAL SUPPORTING SERVICES</b>	<b>14,493,345</b>

### Equipment & Transfers

Property and equipment transfers	317,112
Transfer of funds	(853,619)
<b>TOTAL EQUIPMENT &amp; TRANSFERS</b>	<b>(536,507)</b>
<b>TOTAL EXPENDITURES</b>	<b>37,521,304</b>

Change in Net Assets before minimum pension liability recovery	623,478
Minimum pension liability recovery	259,295
Net Operating Assets—1/1/09	2,712,503
Net Operating Assets—12/31/09	\$3,595,276

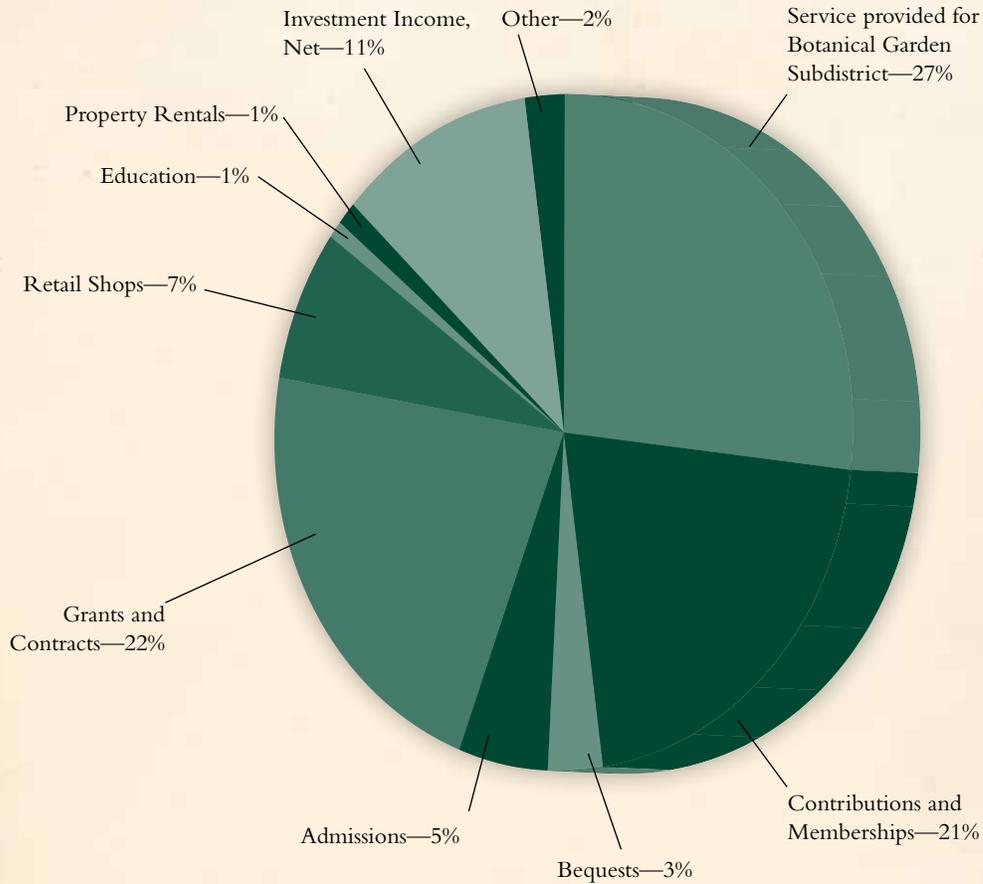
### Net Assets (Deficit)

Operating Fund Unrestricted	\$3,854,253
Operating Fund Restricted	(258,977)
Endowment and Similar Funds	69,889,383
Land, Building, and Equipment Fund	83,472,341
Capital Fund	7,006,032
Gift Annuity Fund	6,394
<b>TOTAL</b>	<b>\$163,969,426</b>

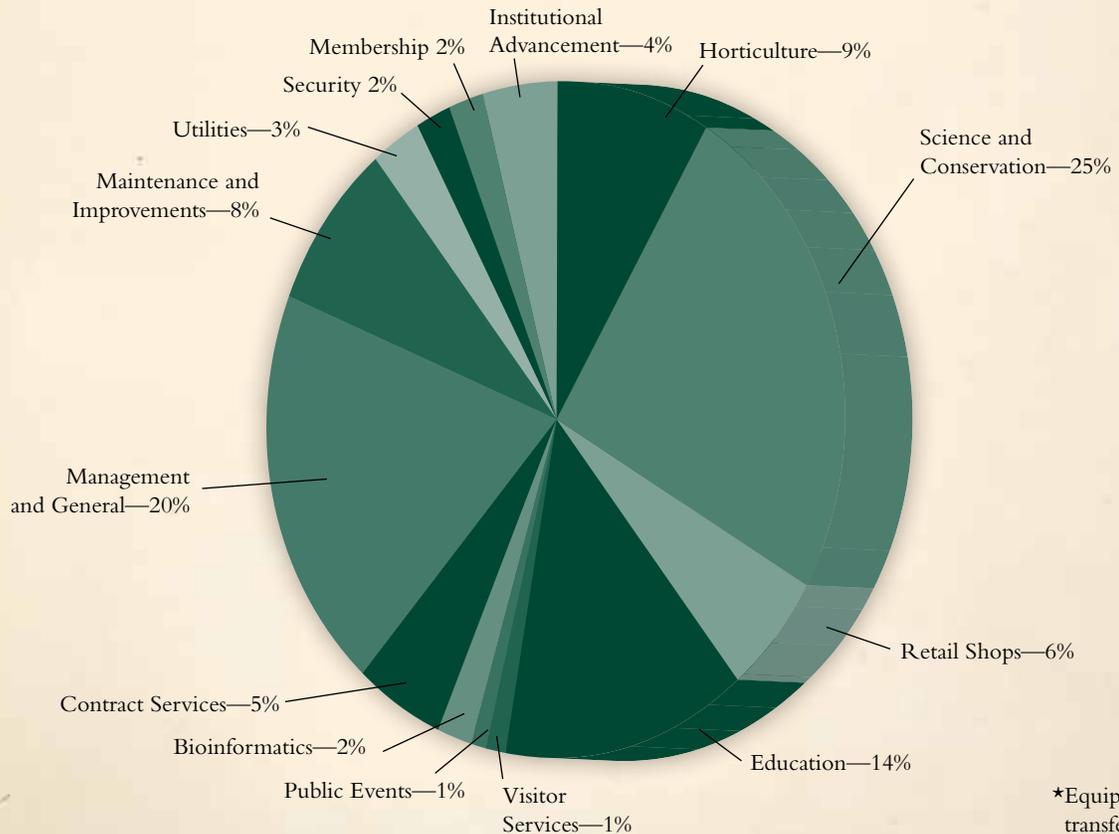
### \*Botanical Garden Subdistrict

Since 1972, residents of St. Louis City and County have generously supported the Metropolitan Zoological Park and Museum District (ZMD). The ZMD is a property tax-supported district, which distributes funds through five cultural subdistricts, including the Botanical Garden Subdistrict, which has provided support to the Missouri Botanical Garden since 1983. The Garden is grateful for this continued support. (Commissioners for the ZMD and the Botanical Garden Subdistrict are listed on page 38.)

# 2009 PUBLIC SUPPORT & REVENUE



# 2009 EXPENDITURES\*



# OUR STAFF

The Garden is grateful to our 486 staff members who contributed daily to our success in 2009.

## President's Office

Peter Raven  
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Kathleen Farris  
Sandra Michael  
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Teresa West  
Beverly Wilcox

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*Director*  
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Jessica Deering  
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Catherine Gibbs  
Amy Hammann  
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Margaret Hoester  
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Jennifer Krause  
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Martha Schermann  
Heather Schwan  
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Guy Dopmeyer  
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Drew Hogan  
John Hunter  
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Kimberly Petzing  
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*Center for Plant Conservation*  
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*Earth Share of Missouri*  
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*Gateway Greening*  
Gwenne Hayes-Stewart  
*Director*

*St. Louis-Jefferson Solid Waste Management District*  
David Berger  
*Director*



*Volunteer Service Recognition*

## OUR VOLUNTEERS

*The Garden is grateful to our 1,880 volunteers (the equivalent of 78 full-time staff) who donated over 151,600 person-hours in 2009.*

- |                        |                       |                      |                       |                        |                        |
|------------------------|-----------------------|----------------------|-----------------------|------------------------|------------------------|
| Dylan Abbett           | Shirley Anton Suntrup | Gabriel Barron       | Patricia Beuckman     | Dawn Bowers            | Karen Burkart          |
| Karla Abel             | Steve Antoniotti      | Abbey Barrow         | Cecelia Beyer         | Patrick Brandon        | Peggy Burkhardt        |
| Geraldine Abeln        | Susan Arb             | Suzann Barry         | Laya Bhat             | Jesse Brandt           | Evelyn Burns           |
| Pam Ackerman           | Chyrlé Arens          | Steven Barter        | Gerry Bickel          | Bettie Branson         | Pat Burrell-Standley   |
| Lee Adams              | Rosemary Armbruster   | Melanie Bascom       | Jill Bicker           | Carol Breckenridge     | Peggy Burris           |
| Marilyn Dale Adams     | David Arnick          | Traci Basden         | Adrienne Biesterfeldt | Jack Breier            | Denny Busby            |
| Mary Adams             | Cathy Arnold          | Anthony Bassett      | Paul Biesterfeldt     | Dan Brennan            | Michael Bushong        |
| Patricia Adams         | Gina Arnold           | Woody Bassman        | Theresa Biggs         | John-Carl Brew         | Jerome Buterin         |
| Tia Adkins             | Laris Arora           | Barb Baue            | Anne Bilka            | Janey Brewen           | Susan Butler           |
| Jo Aerne               | Maria Elena Aruquipa  | Margaret R. Bauer    | Laura Bilsborrow      | Ashley Brewer          | Sarah Butson           |
| Carol Agatstein        | Herrera               | Shirley Bauer        | Nancy Bippin          | Marion Briesacher      | Blanche Byrne          |
| Jaffa Aharonov         | Pauline Ashton        | Becky B. Baxa        | Pamela S. Bischoff    | Holly Brigham          | Bob Byrne              |
| Jen Ahearn             | Todd Aston            | Chris Bay            | Anne Bishop           | Lois Brinkmeyer        | Jose Luis Cabreca      |
| Charlotte Ainsworth    | Heather Atwood        | Alex P Bayer         | Annie Bishop          | Robert Brockneitus     | Lynda Cain             |
| Marilyn Ainsworth      | Ted Atwood            | Louise Bazzetta      | Pat Bishop            | Chris Brooks           | Loretta Calcaterra     |
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| Ashley Alarcon         | Kelley Austin         | Sonia Beard          | Suzanne Blanke        | Alyssa Brown           | Shirley Priscila Calvi |
| Dale G. Albers         | Stephen Aylward       | Audrey Beatty        | Abigail Blatt         | Carla Brown            | Loza                   |
| Betsy Alexander        | Kim Bachmann          | Jane Beatty          | Ivona Blazevic        | Donna Brown            | Kait Calys             |
| Dottie Alexander       | Jonathan Bade         | Milissa M. Beaty     | Paulette Bliss        | Katherine Brown        | Gail Cammarata         |
| Lee Ann Alexander      | Elaine Baden          | Holly Beck           | Carol Blood           | Kaylah Brown           | Wally Cammarata        |
| Emmy Alicea            | Albert Baeyen         | Jan Beck             | Richard Blowers       | Maddy Brown            | Leanne Canessa         |
| Bonnie Kay Alinder     | Charlotte Baeyen      | Taylor Beck          | Nichole Blume         | Mary Lynn Brown        | Marsha Canfield        |
| Amal Al-Lozi           | Bonnie Bailes         | Chris Becker         | Ronald Blume          | Sharon E. Brown        | Cindy Capatosta        |
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| James Anderson         | Mary Barchet          | Carol Benoist        | Marge Bornhauser      | Sujata Buck            | Eileen Carr            |
| Mary Jo Anderson       | Gail Barclay          | Lawrence H. Berglund | Jane Bosché           | Janet Buehrig          | Zoe Carroll            |
| Matthew R. Anderson    | Mary Bard             | Sally Berglund       | Diana Bose            | Bill Buermann          | Pat Carter             |
| Rachel Anderson        | Shirley Bardenheier   | Sarah Berglund       | Lucyann Boston        | Ann Buhr               | Dianne Carty           |
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| Lena Annis             | Mary Barnett          | Nancy Bergmann       | Karen Bouma           | Kathy Bumbery          | Bob Case               |
| Toni Ansboro           | Robert T. Barnicle    | Jason Bernth         | Jean Bourdon          | Meghan Bumbery         | Jerry Castillon        |
| Ronda Anson            | Tim Barrier           | Carol Berry          | Amy Bowen             | Emily Burgess          | Linda Castillon        |
| Tom Anson              | Stefanie Barrios      | June Berry           | Ann Bowen             | Jeri Burhorn           | Nanka Castulik         |

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Nikki Clark	Debby Decker	Norleen Elliott	Jerry Fugate	Betty Guarraia	Merrill Hermann
Ruth Clark	John Dedeke	Eleanor Ellis	Kimberly Fults	Ann B. Gulick	Lise Herren
Sam Clark	Judy Degenhardt	Sondra Ellis	Lauren Furbush	Ashley Gupta	Jan Herzog
Walter Clark	Rebecca Delgado	Misha Emanoil	Savannah Furman	Mikayla Gupitill	Carol Hess
Patty Clarke	Joan Dellbringge	Thea Emmons	James Ed Furnish	Susan Hackney	Cathy Hey
Ken Clemens	Rachel Dennis	Sheldon Enger	Gina Fusco	Justine Hafner	Jon Heyde
Sharon Clemens	Skippy Dennis	Lee E. Erickson	Kathy Gadberry	Eileen Hahn	Ray Hiatt
Megan Clinton	Laura Dentz	Dorothy Ernst	Florence Gaffney	Bill Halcomb	George Hibbard
Sylvia Clobes	Edna Dependahl	Lois Estes	Anh Gaioni	Joyce Halcomb	Terry Higginbotham
Stephanie Co	Liz DeSimone	Judy Evans	Pauline Gaioni	Gregory Hall	Carol Higgins
Diana R. Cohn	Brian DeSmet	Caejuana Evers	David Gaither	Travis Hall	Jamie Higgins
Joanna Coleman	Robin Deturk	Luba Ezerskiy	Mary Pat Gallagher	Karen Haller	Phyllis Higgins
Mary Ann Coleman	Evie Dickerman	Deno Fabbre	Joani Garlic	Bonnie Hamid	Tina Higgins
Karen Collins	Barb DiDonato	Jenine Fagerlin	Katie Garner	Allen Hamilton	Seth Hihn
Lillian Collins	Dorothy Diehl	Melanie Fagerlin	Angelea Gavin	Esley Hamilton	Joyce Hillebrand
Molly Collins	Melanie Dileo	Barbara Fairchild	Betsy Gee	Mary Hammer	Barbara Hilton
Katie Combs	Diana DiMercurio	Susan Falloon	Jim Gehringer	Kim Hammerstone	Sabrina Hilton
Rocio Condori Choque	Sally Dobrunz	Tolu Fashore	Nancy Gelb	Teresita Hampton	Tom Hilton
Dick Cone	Slone Dobyms	Melanie Fathman	Richard George	Mitchell Hanson	Ron Hirbe
Sophie Connor	Irene Dodson	Eugene Fauerbach	Cynthia Georges Orf	Zach Hanson	Albert Hirson
Ruth Conway	Donald W. Dodsworth II	Diane B. Faupel	Hera Gerber	Gwen Hardin	Rita Hirson
Martha P. Conzelman	Jessica Dollar	Robert Faupel	John M. Gergel	Katie Hardin	Alyssa Hobson
Ricky Cook-Peterson	Gloria Donahue	Jasmine Fazzari	Joanna Gerst	Pamela A. Hardy	Laura Hocking
Rosalie Cooper	Steven F. Donaubaauer	Amy Febuary	Martha Gersten	Thomas E. Hardy	Patsy E. Hodge
Zach Cooper	Carol Donelan	Donald Feher	Marsha Giambalvo	Christopher Harkins	Hillary Hodgson
Anne Cori	Maureen Donnelly	Kathleen Feher	Jane Gibbons	Emery Harmon	James R. Hoefener
Cynthia Corley Crapsey	Michael Donovan	Noel Fehr	Rosemary H. Gidionsen	Judith Harmon	Ashley Hoerner
Jackie Corn	Patti Donovan	Steve Feiner	Gary Giessow	Katie Harper	Florence Hoey
Thomas Cornell	Susan C. Dorris	Karlene Feldker	Laura Gilbert	Robert Harper	Paige Hoffman
James Correa	Suzanne Dorris	Paul Feldker	Carolyn Gildehaus	Linda Harre	Ray D. Hoffman
Jean Corse	Marge Dougherty	Debbie Fellenz	Carol Ginder	Olivia Harre	Dave Hoffmann
Gerald Cotner	Sharon Dougherty	James A. Fellhauer	John Ginsberg	Robert Harrell	Sheila Hoffmeister
Marjorie S. Courtney	Kat Douglas	Susan Fenwick	Barb Gist	Bobbie Harrington	Mary Ann Hogan
Patrick Cowth	Amber Dover	Miriam Maribel	Scott Gitel	Sarah Harrington	Dorothy Hohenberger
Sharon Cox	Marjorie Downey	Fernandez Cavina	Janet Glarner	Dorothy Harris	Tom Hohn
Polly Cox	Thom Downey	Kathleen Ferrell	Mil Glaser	Jack H. Harris	Beth Holbrooke
Leah Crader	Richard Doyle	Natalie Feste	Jane Gleason	Jan Harris	Richard Holdener
Andrea Craig	Elizabeth Drake	James Fetterman	Peter Gledder	Monica Hartenstine	Lynn Holler
Bruce Cramer	Joyce Driemeyer	Abigail Filippello	Elizabeth Glenn	Gary Hartman	Norma Holler
Gayle Crancer	Patrick Driscoll	Sydney Finan	Judith Goedecker	Ken Hartsell*	Julie Holley
Kayse Crandall	Allycia Drummond	Barbara Finbloom	Jake Goetz	Ruth Hartsell	Linda Holman
Joan Crane	Ellen Dubinsky	Linda Finerty	Spencer Gohre	Pamela Hass	Pat Holt
Judith Creason	N. Diane DuBois	Glenda Finnie	Manali Gokhale	Zoey Hasselbring	Roxane Holtzman
Scott Creighton	Judy Duda	William Fischer	Jacob Gokh	Cheryl Hause	Becky Homan
Shannon Creighton	Sue Dudek	Arden Fisher	Irene Goldman	Amy Hawkins	James Honeywell
Lisa Cribbs	Allie Dudenhoeffler	Marie Fisher	Madison Goldman	Toni Hayes	Marvin Hook
Janelle Criscione	Haley Dudenhoeffler	Betty Fitzgerald	Alison Gonzalez	Terrell Hayes, II	Jennifer Hope
Rebecca Cristancho	Linda Dudenhoeffler	Nora Fitzgerald	Shelly Gooding	Melanie Hayim	Iwona Hopkins
Don W. Crohn	Joan L. H. Dudley	Shannon Fitzgerald	Dot Gormley	Judy M. Headley	Brice Hopler
Lois Cromwell	Loyd M. Duering	Cynthia FitzGibbons	Gordon Gosh	Sam Heffler	Judy Horan
Roxanne Cronin	Berta Dulle	Teresa Flanagan	Constance Goss	Mary Etta Heggie	James Horlacher
Cindy Cross	Rene Dulle	Marc Flanders	Jan Gowen	Pat Heidenry	Jim Horn
Jean Crowder	Diane Dunn	Eric Fleddermann	Ann M. Grace	Patty Heim	Karen Horn
Kevin Cui	Sarah Dunn	Julian B. Fleischman	Mindi Grade	Charles Heinzman	Norma Horn
Jake Cummings	Joseph F. Dunne	Elaine Flood	Alan Graham	Mary Heitert	Lynne Hornberger
Sylvia Cummings	Shirley Durfee	Carol Floom	Shirley Graham	Walter L. Heitmann	Jan Horner
Holly Currier	Douglas Durham	Barbara Floom	Nada Granberry	Jane Helbig	Megan Hornsby

# OUR VOLUNTEERS

*continued*

Stephanie Hornsby	Patricia Jones	Gerry Klein	Barbara Lawton	Charlotte Manges	Don McQueen
Virginia Horrell	Peg Jones	Helen Klein	Virginia Lay	Kenneth Manion	Susan Daniels McQueen
Anne Rankin Horton	Nicole Jordan	Matthew Klein	Anna Leavey	Lisa Manley	Phoebe McVey
David Horton	Angeline Jovanovic	Pat Klimushyn	Amy LeDeaux	Betty Manlin*	Katie Mead
Glen Horton	Christine Joyce	Mary C. Kloeckner	Danielle Lee	Mary Ellen Mann	Martin Meagher
Robert Horton	Audrey Juergens	Pat Kloster	Hillary Lee	Virgil Mann	Vaughn E. Meister
Suzanne Houston	Janet Jump	Joyce Knobbe	Vee Lee	Pam Manning	Adam Mekrut
Ben Howard	Marie Juras	Beth Koebel	Jerry K. Lehman	Patty Marcanik	Nick Melling
Jennifer Howard	Peggy Kachulis	Karen Koehneman	Charlotte Lehmann	Sarah Margita	Albert Melman
Richard Howard	Jane Kahn	Lynn Koeneman	William Lehmann	Jeanne Margulis	Angela Menard
John Howe	Beverly Kahney	Linda Meckfessel Koenig	Barbara Lehmier	Inez Mariani	Patty Mendicino
Terri Howell	Linda Kalicak	Jessica Koester	Pat Leigh	Kurt Marino	Kevin Menke
Virginia Hrevus	Mark Kalk	Diane Kohl	Brian Leightner	Shirley Marino	Peggy Menke
Eric Hsu	Pamela Kalkbrenner	Pat Kohler	Frances Leimkuehler	Julia Maritz	Jim Mentel
Phillip Hsu	Gowri Kalugotla	Irene Kohm	Betty LeMatty	Kathy Marks-Petetit	David Merritt
Joan Huelskoetter	Kiran Kalugotla	John Kolar	Don Lemp	Eleanora Markus	Mary Mertz
Christine Huffman	Shivaram Kalugotla	Lisa Kolemäinen	Janet Lemp	Sandra Marler	Jeanne Meurer
Judith C. Hughes	Donald Kaminski	Mary Claire Kondro	Carol Lentz	Bill Marsten	Barbara Meyer
Nyla Hughes	Betty Kamman	Dub Koon	William Lenz, Jr.	Cindy Marsten	Betty Meyer
Laure Hullverson	Alice Kannady	Margi Koors	Jan Leonhardt	Dorothy Martels	Laura Meyer
Lynn Hulsey	Ann Karasek	Alice L. Koritta	Kasia Leousis	Carolee Martin	Sandy Meyer
Linda Hultgren	Rose Marie Karius	Robert Kornblum*	Maya Lerch	Ellen S. Martin	Claire Meyners
Kate Human	Gary Karpinski	Patrice Korte	Mike Lerch	Sarah E. Martin	Shelly Micheal
Claudia Humphrey	Jack Karty	Sheila Korte	Lisa Lerman	Jim Massey	Amy Miesner
Barbara Huning	Ravi Kasinadhuni	Nadine Kouba	Richard LeSage	Betty Mathes	Joshua Milbrandt
Charmaine Hutchings	Victoria Kearns	Cheryl Kowalczyk	Celeste Leuck	Audrey Mathews	Erika Miller
Nate Hyde	Pat Keating	LaVerne Koyin	Marilyn Leutwiler	Tess Matthews	Gerald Miller
Nicole Hykes	Susan Keating	Bob Kozierek	Alison Levens	Christine Mattingly	John Miller
Ellen Irons	Patty Keck	Jessica Krafcik	Audrey Levit	Kay Mattingly	Stephanie Miller
Robert Irwin	Abby Keel	Liz Kramer	Steve Levit	Judith Maune	James R. Miller, Jr.
Alana Jackson	Mary Keilty	Mary Jane Kranz	Robert Lewis	Susan Maurer	Gloria Mills
Herb Jackson	Gary Keller	Susan Krekeler	Tracie Lewis	Maryellen May	Terry Milne
Jim Jackson	Deanne Kelley	JoAnn Kresko	Mason Li	Dorothy Mayes	Steven Mishkin
Lois Jackson	Aidan Kelly	Becky Kridel	Charleene Liesner	Elizabeth Mayes	Alice Mitchell
Maggie Jackson	Jean Kelly	Fran Kroeger	Melinda Ligon	Jennifer Mayo	Emily Mitchell
Barbara Jacober	Peggy Kelly	Elan Krojanker	Leslie Limberg	Kelly Mazzacavallo	Jacqueline Mitchell
Jason Jacobi	Theresa Kelly	Doris Kroupa	Vincent Lin	Kelly Mazzoni	Janice Mitchell
Leonard Jacobs	Tim Kelly	Mackenzie Krus	Judy Lincoln	Gloria McBride	Kyle Mitchell
Don Jacobsmeyer	Marvel Kendall	Chris Krusa	Steven J. Linford	Mike McCalpin	Liza Mitchell
Joan Jacobson	Sonya Jo Kendrick	Lorraine Krusa	Cathy Linsin	Peggy McCalpin	Mary Ellen Mitchell
Marie Jaeger	Ben Kennedy	Anthony Kruse	Claire Linzee	Demitri McClain	Russell Mitchell
Marika Jakubovska	David Kennedy	Yvette Kurtz	Connie Lippert	Lavonne McClain	Gloria Mitchem
Eric James	Susan Kennedy	Danielle M. Kusner	Rachel Lissner	Andrew McClellan	Suzanne Moak
Alan Jankowski	Xandra Kenney-Blumer	Carol Kusterer	Ingrid List	Jan McClenahan	Peggy Moehlenbrock
Stephanie Jansing	Leah Kent	Sydney Kuttner	Cheryl Lockos	Jeanette McConnell	Rich Moffitt
Mary Kay January	Tara Kerby	Judy LaBarbera	Beverly Logan	Ginny McCook	Susan Moliatos
Barbara J. Jarman	Madelynn Kester	Samantha LaBat	Brian Lohe	Sue McCool	Reed Molitor
Gene Jarvis	Deborah Kettler	Nancy LaBrier	Jake Lohmann	Jean McCormack	Francine Moloney
LaVerne Jaudes	Kathleen Keusenkothen	Deborah Ladd	Freda Lohr	John McCormack	Bob Monaghan
Maud Jeanty	Thoa Khuu	Mary Ann Laffin	Janis Londe	Andrew McDowell	Karen Smead Mondale
Armella Jenkins	Ashley Kichura	Lisa LaFoy	Beverly Long	Cherie McElroy	Joanne Monti
Donna Jensen	Nancy Kidwell	Margaret Lahrman	Penelope A. Long	Jeffrey McEuen	Cherie Moody
Diane Jiao	Kati Kiefer	Bill Lambertson	Mary Longrais	Annette McGarrahan	Kimberly Moon
Kim Joern	Ed Kiernan	Bryce Lamp	Robert L. Lowes	Sue McGary	Nancy Moor
Anita Joggerst	Joanna Kieschnick	Bill Lampe	Sandra Lowes	Alberta McGilligan	Betty Moore
Anthony Johnson	Pat Killian	Jeremy Lampe	Christina Lu	Jeanne McGilligan	Jonathan Moore
Barbara Johnson	Dongmin Kim	Paula Lampen	Richard Lu	Lynn McGoogan	Martha Moore
Barbara Johnson	Adam King	Catherine Lancaster	Frank Luechtefeld	Kevin McGowan	Mary Moore
Crystal Johnson	Ruth King	Joyce Landauer	Kathleen Luepke	Laurian McGrath	Janet Moran
Leonard Johnson	Don Kinsey	Jamie Lane	Nancy Luetzow	Dolores J. McGuire	Denise Morgan
Paul Johnson	Nancy Kinsey	John Lane	Katherine Lumetta	Mary McHugh	Mary Morgan
Rhonda Johnson	Polly Kinslowe	Marilyn Lane	Octavia Luongo	Maddie McIntyre	Isabelle Morris
Sara Johnson	Carmella Kinstler	Robin Lane	James Lutkewitte	Emily McKeever	Jean E. Morris
Tim Johnson	Jean Kirby	Towenga Lane	Karen Ly	Ken McKelvie	Jim Morris
Veronica Johnson	Nancy Kirchoff	Janet Lange	Kelli Lytle	Sage McKinley	Julia Morris
Doris Johnston	Aaron Kirkman	Bonnie Langston	Donna Moeller	Claire McLaughlin	Karen R. Morris
Rick Johnston	Ray Kirkman	Pavanne LaNier	MacDonald	Michael McLaughlin	Pearlie Morris
Larry Joiner	Anne Kirkpatrick	Serena Laroia	Silvia Madeo	Judy McLean	Larry Morrison
Ruth Jonas	Lauren Kirkwood	Ann Larson	Mordecai Magencey	Noriko McLeer	Judy Morrow
Andrew Jones	Christine Kirmaier	Arnold F. Larson	Nadine Mahe	Parker McMillan	Casey Moser
Bredon Jones	Mary Jane Kirtz	Donovan Larson	Fran Makarewicz	Sue McNamara	Judy Moskoff
Christy Jones	Jillian Kirwan	Virginia Laschober	Louis Makarewicz	Monica McNerney	Eva Moutrie
Dale Jones	Lynn Kiske	Elizabeth Lavelle	Raphael R. Makarewicz	Alexandra McNett	Brian Mueller
Ellen Jones	Jeanne Klebusch	Devon Lawlor	Louis Malin	Elmer McNulty	June Mueller
Madison Jones	Karl J. Kleekamp	Diane Lawrence	Doris Maltagliati	Teresa McPherson	Linden Mueller

Loretta Muessig	Ellen O'Neal	Jennifer Pirrie	Mary Rich	Judy Schaljo	Claudia Shelton
JoAnn Muhammad	Patrick O'Neal	Madeline Pisani	Tom Rich	Jennifer Schamber	Jordan Shelton
John P. Muller	Kathy O'Neill	Tamara Pisoni	Bernadine Richard	Richard Schanbacher	Carol Shepley
Elonda Munro	Mary Alice O'Neill	Ben Plawsky	Lucian Richards	Kim Scharff	Madelyn Sheprow
Samiyah Munshi	Sue Onnen	Kathy Poder	David Richardson	Jacque Scharlott	Sandra Sher
Maya Murali	Berni Oppelt	Alice Poertner	Jenny Richardson	Norma Bonham	Holly Shiels
Michael Muren	Fred Ortlip	Emma Pohlman	Lane Richter	Schechter	Jackie Shillington
Elizabeth Murney	Leroy F. Ortmeier	Judy Pohlman	Beth Riechers	Hayley Scheck	Diane Shoulberg
Anna Murphy	Cathy Osborn	Tiffany Pohlman	Lisa Rieman	Bonnie Schell	Earl Shreckengast
Gale Murphy	Kelly O'Shaughnessy	Kasia Polanska	Gail Riesenny	Kim Scherrer	Lisa Shufeldt
Joan Murphy	Beverly Osterholt	Rob Polzin	Sonia Riggs	Nancy Schikore	Rosalie J. Siefke
Laura Murphy	Maren Osterholt	Kim Pope	David Riley	Jerome Schiller	Diane Siegel
Rosemary Murphy	Barbara Ottolini	Tony Poppen	Melanie Riley	Joe Schilling	Ned Siegel
Laura Murray	Elisabeth Ottolini	Rhonda Porche-Sorbet	Melissa Riley	Joseph P. Schiwinger	Robert Siemer
Patti Musgrave	Kathy Overall	Carol Portman	Kurt Ripperda	Virginia Schiwinger	Stephanie Sigala
Barbara Mutz	Jerry Overman	Marni Portner	Nina Risdall	Ron Schlappizzi	Jim Signor
Craig Myers	Joe Page	Horatio Potter	Fredric Rissover	Rebecca Schlueter	Margaret Silver
Hannah Myers	Crystal Pallandy	Tiffany Potter	Donald Ritchie	Charles Schmidt	Barbara Simon
Patrick Myles	Roxanne Palmer	Joan Powell	Jackie Ritchie	Christine A. Schmidt	Colleen Simons
Thomas Nadelin	Sue Palmer	Trish Powers	Kathryn Rivers	Sarah Schmidt	Kathy L. Simons
Charles Naeger	Richard J. Pandorf	Linda Pozza	Katya Rivers	Beverly Schmitt	Paul Simpkins
Elaine R. Naes	Anthony Panozzo	Stephanie Prade	Paul Roberts	Martha Schmitt	Nikita Singh
Susan Nanny	Shirley Parisi	Tyler Prestien	Gerald Robinson	John Schmitz	Sean Skaggs
Lisa Nansteel	Dinah J. Parker	Amy Prosser	Helen Robinson	Marie Schmitz	Joanna Skwiot
Raquel Narvaes	Jen Parker	Shirley Puricelli	Trae Robinson	Audrey Schmoock	Lynn Slackman
Deanna Nash	Nancy Parker	Kaye Quentin	Ann R. Robison	Charlotte Schneider	Sue Slivka
Hannah Nash	Randall Parker	Sue Quirk	Linda Robson	Kim Schniedermeier	Betty Smith
James Nash	Holly Parks	Ana Juana Quispe	Priscilla Rodriguez	Ana Maria E. Schnizer	Kathy Smith
Margaret Nathe	Andrew Parsons	Pantoja	Susan Rogers	Peter Schnizer	Rose Marie Smith
Jacqueline Naunheim	Farnell Parsons	Anne Rabenberg	Zelda Rogul	Lois Schoech	Tameika Smith
Peter Naunheim	Jo-Ann Partin	Maggie Rabenberg	Christine Rohloff	Lillian Schoellhorn	Linda Snider
Arlene Nazzoli	Deborah Pascal	Jean Racowsky	Lahoma Rohrer	Joyce E. Schoeneberg	Jules Snitzer*
Mary Neher	Kristina Passi	Joan Radcliffe	Stacy Rolfe	Larry Schoeneshoefer	Shirley Snitzer
Mary Ellen Neilson	Marissa Passi	Diane Rademacher	Stephanie Romero	Sue Schoening	John M Snodgrass
Bob Neu	Chandni Patel	Cheryl Rafert	Rose Rosen	Ronda Schomburg	Richard Sokol
Jon Newell	Lane Patterson	Anne Ragland	Jean Rosenfeld	Paul E. Schorr	John Solodar
Betsy Newman	Sidney Patterson	Dolores Rahn	Vickie Rosenkoetter	Barbara Schrader	Nancy Solodar
Evelyn Newman	Peggy Pautler	Bernice Raineri	Allan Rossel	Arline R. Schramm	Brandie Sommerville
John Newman, Jr.	Abby Pawlak	Lois Raley	Carol Rossel	Margie Schroeder	Jessica Spector
Terry Newmark	Emily Pawlak	Linda Rallo	Faye Roth	Todd W. Schroeder	Rosemary Spittler
Julie Nicolai	Ashley Payne	Nathalie Rallo	Frank Roth	Jill Schroer	Tom Sprick
Janne Niemoeller	Derek Payne	Sophie Rallo	Deann Rubin	Jim Schuck	Barbara Springer
Joyce Niewoehner	James Payne	Suzanne Ramsey-	Rhett Rucker	Ann Schuette	Celeste Sprung
Patti Nippe	Renee Payton	Haubein	Katelyn Rudolph	Christopher Schulte	Van D. Spurgeon
John Nischwitz	Ve'Niecy Pearman-	Tanesha Randall	Susan Ruecker	Jim Schulte	Carol Squires
Evette Nissen	Green	Joe W. Randolph	Judy Ruffus	Scott Schulte	Jeanette St. Vrain
Bob Noe	Kami Pearson	Mary Ann Randolph	Jan Rugge	Susie Schulte	Julie Stackhouse
Claudia R. Noe	Sharon Pedersen	Sandra Raney	Chana Tip Rujanaveen	Todd Schumacher	Sara Stackhouse
Virginia Noe	Amada Pedroni-	Sue Rapp	Donald Rumer	Pat Schutte	Sara Stagg
Jeremy D. Noland	Gonzalez	Terry Rassieur	Frank Rumping	William Schwab	Karen Stahlhuth
Richard Nolte	Jack Peistrup	Jacqueline Ratier	Mary Rummy	Eric Schwarz	Katie Stamm
Donna Nonnenkamp	Barbara Pellegrini	Austin Ratzki	Bill Ruppert	Nick Sciacia	Karla Standlee
Al Norman	Bonnie Pellegrini	Fred A. Rauch	Jessie Rush	Brandon Scott	Glee Stanley
Chase Norman	Mary Ann Pelot	Barbara Rauth	Marsha Rusnack	Kevin Scott	Katie Stanley
Marge Normile	Lisa Pepper	JoAnn Rawson	Ann Russell	Mary Scott	Susan Stapel
Andy Norsen	Megan Perney	Anita Rayfield	Bob Russell	Padra Scott	Hattie Starek
Anne E. Nothdurft	Dominick Perotti	Alan Raymond	Elizabeth Russell	Fredna Scroggins	Louis Stark
Adam Novack	Joel Pesapane	Mary Raymond	Richard Russell	William Sedlock	Martha Suzanne Stark
Barbara Vanta Novak	Connie Peters	Holly S. Records	Susan Russell	Rosalie M. Seemann	Ben Starks
Jeanne Nowicke	Gary Peters	Heather Reed	Judy Rustige	Ken Seher	Ali Steele
Mary Jo Nowobilski	Nicholas Peters	Lola Reed	Sammy Ruwitch	Amanda Seibel	Penny Steffen
Marcia Nusz	Alene Peterson	Nathan Reese	Don Ryan	Nancy Seifer	Lucinda Stein
Mary Ann Nye	Frank Peterson	James Reginald	Lucy Ryan	Laurie Selkirk	Donna Steinhoff
Jason Oaks	Samantha Peterson	Sue Reid	Bob Ryland*	Alexis Semar	Janet Stenson
William R. Oberkrom	Margaret Petruska	David Reindl	David Sacks	Emmett Senn, Jr.*	Alan Stentz
Alison O'Brien	Linda Pezold	John Reiner	Brian Sadlo	Nancy Senter	John Stephens
Barbara O'Brien	Suzanne Phelan	Elizabeth Reinsch	Ramia Safi	Mary E. Serbi	Emily Stephenson
Emma O'Brien	Tom Phelan	Jane Reise	Jane Saghir	Mary Seright	Nora Stern
Pat O'Brien	Bruce E. Phillips	Sue Reisel	Betty Salih	Helen Serotte	Ron Stevens
Tom Ochsner	Cassandra Phillips	Alma Reitz	Sarah Sanders	Steve J. Sesti	Mildred Stewart
Pat Oday	Dorothy Phillips	Emily Render	Louise Sandler	Susan B. Sevem	Joy Stinger
Pat Odenbach	Dustin Phillips	Susan Rentfrow	Frank M. Sandy	Maryann Sexton	Maria Stocker
Sue Oertli	Margaret A. Phillips	Douglas Reyner	Beth Sankey	Pam Seyer	John Stolarski
Jean Ohmer	Joyce Piasecki	Lynn Reyner	Caroline Sant	Beth Shapard	Sarah Stolfa
Kayla Oliver	Phyllis Pieper	Cyndy D. Reynolds	Barbara Santoro	Jay Shapiro	Maxine Stone
Ken Olsen	Terry Pilkenton	Maddie Reynolds	Katherine Sauer	Lynda Sharpe	Sarah Strandemo
Sandy Olsen	Mike Pineau	Mary Beth Reynolds	Brian Saunders	Patrick Shaughnessy	Agnes Strassner
Donna Olson	Susan Pinker-Dodd	Christine Reynoso	Morgle Savoye	Karen Shaw	Stewart Strassner
Mary Lou Olson	Robert Pinkowski	Barbara Rezny	Fran Scauborough	Patrick Shaw	Laura M. Streett
Paul D. Omans	Kelly Pinney	Becky Rhodes	Michael Schade	Chris Sheahan	Lee Streett

# OUR VOLUNTEERS

*continued*

Mark Streuber  
Linda Stritzel  
Betty Struckhoff  
Suzanne Struempfler  
Linda Strunk  
Peggy Stuckmeyer  
Erin Sturgess  
Teresa Stutes  
Fanny Suchet  
Jodi Sudin  
Bailey Sullivan  
Mary Pat Sullivan  
Midge Supp-Feldmann  
E. Lynn Suydam  
Mary Ann Swaine  
Barbara Swanson  
Norma Swanson  
Judy Sweeney  
Audrey Swinford  
Carol Swink  
Suzanne Switzer  
Patricia Taillon-Miller  
Anthony Tainter  
Ann Tansey  
Barbara Tariq  
Anna Tarnow  
Barbara Tate  
Monica Taylor  
Liz Teasdale  
Trevor Tefft  
Richard Telman  
James Teng  
Harold G. Tennyson  
Jack Terschluse  
Brian Teschendorf  
Paivi Tetri  
Cullen Thankor  
Rebecca Thibault  
Beverly Thiele  
Garnet A. Thies  
Hannah Thomas  
Julie Thomas  
Linda Thomas  
Stacey Thomas  
Assata Thompson  
Courtney Thompson  
Nancy Thompson  
Steve Thompson  
Robert Thornberry  
Anna M. Thornhill  
Laverne Thurmond  
Kyle Tiefel  
Rachel Tinsley  
Ann Tobben  
Dawn Tofari  
Barbara Tonkyn  
Betty Tonneas  
Terrie Tonneas  
Andrew Tonner  
Marlene Toth  
Lila Traeger  
Linda Traina  
Paul D. Travers  
Joan Troeh  
Jane Tschudy  
Jack Tucker  
Madeleine Tufts  
Marjorie Gwynn Turner  
Mary Turner\*  
Ann Tuxbury  
James H. Tuxbury  
Ranae Twidell  
Joan Twillman  
Nick Tyrl  
Caleb Ueblein

Riley Underwood  
Danelle Unuerfehrt  
Kailash Upaonyaya  
Cathi Vaaler  
Marianne Vahlkamp  
Shirley Valentino  
Stephanie Van Cardo  
Maddie Van House  
Kenneth Vance  
Robert Vander Linden  
Jennifer Vanderboegh  
Danielle Vesth  
Richard L. Viola  
Daniel Virtue  
Mary Carol Voelker  
Robert M. Voelker  
Carole Vohsen  
Tsvetelina Vostadinova  
Nick Wachtel  
Bob Waeltermann  
Helen Walck  
Patricia A. Waling  
Donna Walker  
Leigh Walker  
Liz Walker  
Preston Walker  
Nancy Wallace  
Elizabeth Wallis  
Dianne C. Walsh  
Mark Walsh  
Julia P. Wanless  
Sharon Ward  
Marti Warhurst  
Miranda Warren  
Wallis Warren  
Norbert Wasileski  
Mark Waterman  
Timothy Watt  
Judy Watters  
Audrey Wattler  
Linda Waugh  
Margaret A. Wayne  
Robert Weaver  
Lindsay Webb  
Phyllis Weber  
Zach Weber  
Barbara Wedler  
Barbara Wehling  
Phyllis Weidman  
Anne Weidmann  
Janice Weil  
Paul Weiland  
Ginger Weinel  
Robert Weinman  
Nicole Weise  
Irene Weisenhorn  
Fred Weissmann  
Sharon A. Weissmann  
Carol Wellman  
Linn Wells  
Rickey Wells  
Patricia Wemhoener  
Mary Clair Wenger  
Marilyn Werner  
Marion Werner  
Norbert Wesley  
Alex West  
LiLi Westphal  
Kenneth R. Wheat  
Susan White  
Cheryl Whiting  
Richard Whiting  
Paul Whitsell  
Linda Whitten  
Edward Widmer

Carl Wienold  
Wilma Wienold  
Pam Wilcox  
Robyn Wilkerson  
Jean Wilkinson  
Nancy Willard  
Sandra Willems  
Caitlin Williams  
Dovia Williams  
John Williams  
Nancy Williams  
Norma Williams  
Patricia A. Williams  
Patrick Williams  
Rose Williams  
Megan Willingham  
Carolyn Willmore  
Linda Willsey  
Diana Willson  
Katie Wildon  
Carol Wilson  
Charles Wilson  
Charles Wilson  
Joyce Wilson  
Kendall Winter  
Margaret Winter  
Sarah V. Winter  
Carolyn A. Wirth  
Beth Wiseman  
Roger Wiseman  
Erica Witgen  
Jacinta Witherspoon  
Musette Wittmer  
Dennis Woldum  
Judy Wollberg  
Doug Wolter  
Katherine Wong  
Jill Woodard  
Bridget Woodfork  
Anne Woodhouse  
Devante Wooten  
Elizabeth Worley  
Kate Wright  
Marian Wuest  
Chris Wynn  
Linghua Xiao  
Qianna Xu  
Jacqueline Yap  
Anita K. Yeager  
Judi Yemm  
Katelyn Yeomans  
Alicia Yoehum  
Hilaire Yoder  
Jim Young  
Kathy Young  
Marianne S. Young  
Stacy Zamsky  
Nancy Zander  
Richard H. Zander  
Barb Zappulla  
Victor Zarrilli  
Horst Zekert  
Donna Zerega  
Leon Zickrick  
Cheryl Ziegelmeyer  
William Ziegenbein  
Mark Zigrang  
Kevin Zimmer  
Clinton Zink  
Deborah Zucker  
Annie Zuo

\* deceased



*The Members Board Executive Committee*

## THE MEMBERS' BOARD

Janet Lange, *President\**  
Ted Atwood  
Ann Case\*  
Andrea Craig\*  
Janelle Criscione  
Linda Finerty\*  
Phyllis Fresta  
Patty Heim  
Lise Herren  
Sheila Hoffmeister\*  
Laure Hullverson\*  
Patty Keck  
Becky Kridel  
Paula Lampen  
Silvia Madeo  
Ellen Martin  
Parker McMillan  
Jacquelin Naunheim  
Vickie Newton  
Suzanne Phelan

Terry Rassieur  
Mary Rummy  
Sammy Ruwitch  
Lucy Ryan  
Beth Sankey  
Ron Schlappizzi  
Kathleen Smith  
Celeste Sprung  
Anne Weidmann

### **Past Presidents**

Mary Ella Alfring  
Ann Bowen  
Ellen Dubinsky  
Ellen Jones  
Mary Longrais  
Isabelle Morris  
Sue Oertli  
Sue Rapp  
Marsha Rusnack

Nancy Sauerhoff  
Susie Schulte  
Carol Squires  
Nora Stern  
Liz Teasdale  
Jane Tschudy

### **Ex officio Members**

*Tower Grove House*  
Auxiliary  
Jean Crowder

*Tower Grove House*  
Historical Committee  
Marie Schmitz

### **Garden Docents**

Carl Agatstein  
Fredric Rissover

\* Executive Committee

## ZOO-MUSEUM DISTRICT

The Metropolitan Zoological Park and Museum District (ZMD) is a tax-supported cultural district governed by an eight-member board of directors, each appointed for a four-year term by the Mayor of the City of St. Louis and by the St. Louis County Executive.

Thomas J. Campbell  
Frankie Freeman, *immediate past chair*  
Donna G. Knight, *chair*  
Adrienne Morgan, *secretary*  
Robert A. Powell, *vice chair*  
Ben Uchitelle, *assistant secretary*  
David Weber, *treasurer*  
Gloria Wessels

Staff:

J. Patrick Dougherty, *executive director*  
Sharon Wilcutt, *deputy director*

## BOTANICAL GARDEN SUBDISTRICT

The ZMD levies an annual tax on property on behalf of five subdistricts, including the Botanical Garden Subdistrict. The subdistrict contracts with the Garden to provide botanical services.

Martin Schweig  
Pamela Shephard  
Walter G. Stern  
Marjorie M. Weir, *chair*  
Dr. R. Jerome Williams, Sr.  
James H. Yemm  
Hillary B. Zimmerman, *vice chair*

Staff:

John Bley, *assistant treasurer*  
Kathryn J. Giddings, *counsel*

Antoinette Bailey, *secretary*  
Theresa Loveless  
Willie J. Meadows  
Janice M. Nelson  
Robert H. Orchard

# THE GARDEN BY THE NUMBERS

Year ended December 31, 2009

## VISITORS

Attendance at all locations: 970,218

Highest daily attendance: 13,417 on Sunday, September 6, Japanese Festival  
Highest non-event attendance: 7,046 on Sunday, May 10, Mother's Day  
Lowest attendance: 39 on Tuesday, January 20



## MEMBERS

Members: 37,089  
Upper-level members: 539  
Total number of member visits: 253,090  
Members who renew each year: 76%.

## PERSONNEL

Number of staff: 486  
Number of volunteers: 1,880  
Number of hours worked: 151,600  
Number of equivalent full-time staff: 78

## COMMUNICATIONS

News items about the Garden in the media: 4,593 in 45 states and 9 countries  
Unique online visitors: 4.3 million  
E-newsletter distribution: 46,714 (increase in 2009: 16%)

Social media fans (Facebook, Twitter, Flickr): 9,673 (increase in 2009: 586%)

## EDUCATION

Students participating in Garden programs: 97,780

Drop-in education users: 67,177  
Teachers supported through workshops, field experiences, and education resources: 3,531  
Student visits to the Commerce Bank Center for Science Education: 3,489  
Seniors, special-needs children, and others helped through Horticulture Therapy: 3,953  
Student visitors to the Dana Brown Overnight Education Center: 2,807  
Doris I. Schnuck Children's Garden attendance: 91,480  
Tower Grove House attendance: 64,542

## HOME GARDENING

Visitors to the Kemper Center for Home Gardening: 123,284  
Adult Education: 1,823 people enrolled in 207 classes  
Plastic pot recycling: 5,000 participants recycled 130,000 pounds  
Master Gardeners: 275 volunteered 31,166 hours  
Plant Doctor Service: 9,477 clients presented 16,307 questions  
Calls to Horticulture Answer Service: 15,596  
GardeningHelp web visitors: 2.7 million  
Online e-mail gardening questions answered: 2,819

## HORTICULTURE DISPLAYS

Total accessions: 27,791  
New accessions in 2009: 1,382  
Total taxa/unique types of plants: 15,878  
Total trees on grounds: 5,161 (1,118 taxa)  
New trees in 2009: 168  
Unique types of oaks: 50  
Unique types of witch hazels: 90  
Unique types of rhododendron/azaleas: 257  
Unique types of camellias: 78  
Number of plants in the Linnean House: 186  
Unique types of Missouri native trees on grounds: 102  
Unique types of roses: 288 (2,817 bushes)  
Unique types of daffodils: 707  
Unique types of daylilies: 1,919  
Unique types of iris: 1,403  
Unique types of lilies: 160  
Seasonal bedding plants: 198,798  
Hanging baskets produced: 306  
Plants raised for the Holiday Show: 2,317 (including 938 poinsettias)  
Pounds of grass seed: 4,000  
Acres of turf at the Garden: 20



## SCIENCE & CONSERVATION

Ph.D. researchers at the Garden: 46  
Researchers did fieldwork in 38 countries on 6 continents  
Graduate students at the Garden: 22 students from 10 different countries  
Degrees awarded: 2 Ph.D. and 1 Master's  
Specimens in Herbarium: 6,148,573 (new in 2009: 84,747)  
Tropicos™ online herbarium records: 3,818,672 (new in 2009: 122,939)  
Books in the Library: over 200,000 (new in 2009: 1,225)  
Journal subscriptions in the Library: over 800  
Reference queries answered: 1,287  
Interlibrary loans: 912 supplied to over 20 countries  
Rare books: approximately 6,550 printed before 1830  
Rare books digitized and placed online: 750 for a total of 3,300 volumes  
Books published by MBG Press: 8 (and 2 quarterly journals)



# THE MANAGEMENT TEAM



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Paul Straatmann, Leslie Wallace, Diane Wilson, and Brenda Zanola.  
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