

PROTECTING THE EARTH  
> MISSOURI BOTANICAL GARDEN  
Annual Report 2007



*“WE HUMANS SHOULD PROTECT AND  
NURTURE OUR ENVIRONMENT IN THE SAME  
WAY AS A BIRD PROTECTS HER EGGS.”*

*–DAMIAN MANUHWA,  
CHAPUNGU SCULPTOR*

Given in loving memory of  
Marjory Kassabaum Graff  
from her family (2002).









*"ALL OF LIFE  
HANGS ON THE  
LEAF. THE OXYGEN  
WE BREATHE AND  
THE FOOD THAT  
SUSTAINS US,  
ALL COME FROM  
THE LEAVES."*

*-BERNARD TAKAWIRA,  
CHAPUNGU SCULPTOR*





## LETTER FROM THE PRESIDENT

The Missouri Botanical Garden brought the hand-hewn stone sculpture of Zimbabwe—Chapungu—to the United States for the first time in 2001. Already these contemporary artists were addressing environmental themes in their work. *Protecting the Eggs* by Damien Manuhwa, part of the Garden's permanent collection, gently reminds us to protect and nurture our environment, to become stewards of the earth.

In 2007, we presented a new Chapungu exhibition—*Nature, Man, and Myth*—and the environmental call-to-action was more urgent. From a distance, we see a beautiful sculpture of graceful giraffes by Fungayi Mwarowa. Up close, we read, “The year is 2050. The elders gather to sing about this elegant and beautiful animal that once existed in our land, but which has now been driven to extinction.”

In February, I co-chaired the international panel of scientists which presented the United Nations with a plan to combat climate change. We called on all nations to slow the known causes of change, that is, reduce global carbon dioxide emissions. To prepare for the unavoidable consequences of our changing climate, we outlined ways to adapt to warmer climates, including new methods of sustainable land management, advanced building practices, and weather-emergency preparedness. The human race numbers 6.6 billion people—explosive growth from 2.5 billion in 1950—and has never faced greater challenges. We have no time for delay.

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, beauty, medicine and, over the course of billions of years, oxygen. By the end of the century, half of the estimated 300,000 species of plants could be extinct in nature.

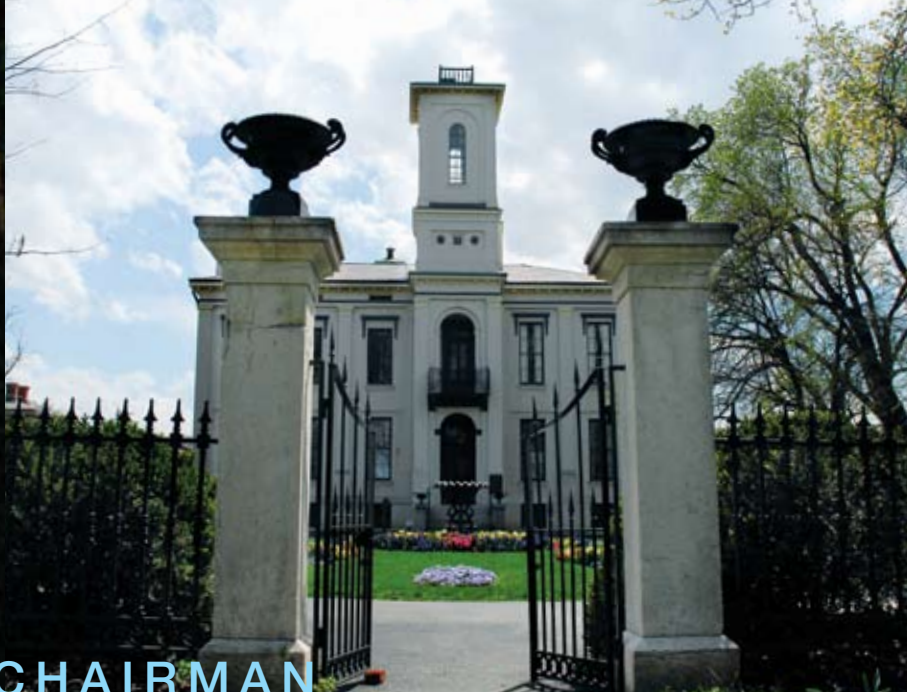
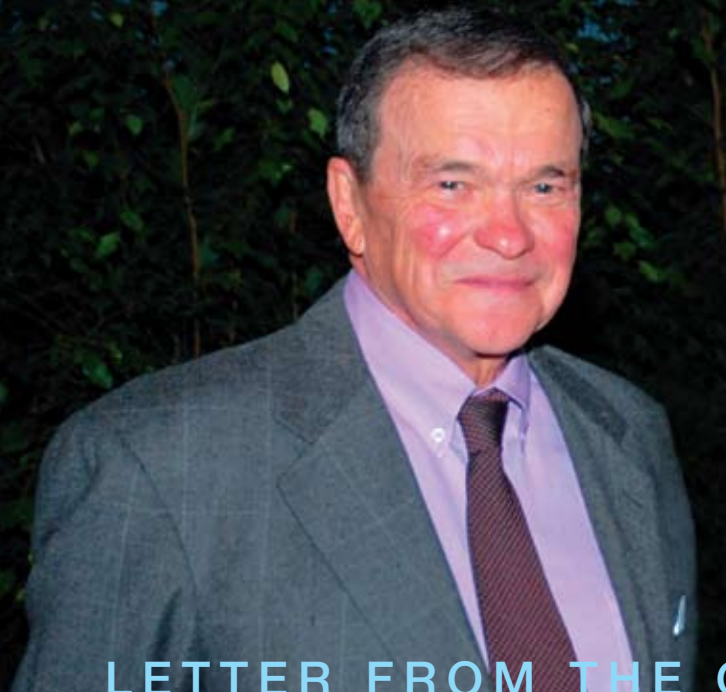
The work of Missouri Botanical Garden botanists and our associates throughout the world provides the basis for effective conservation and sustainable use. Garden scientists are working in 36 nations around the globe to explore and document their plants. Our work is concentrated in tropical countries, where many plants are in great danger of extinction, and with less known about them than in temperate regions. The Garden's Center for Conservation and Sustainable Development champions community-based conservation efforts, empowering local populations to help protect their natural resources. Garden educators work to instill a love of nature in children so they will become concerned adults—our future botanists and environmentalists.

At the Missouri Botanical Garden, we are striving for a world that can sustain us without sacrificing the prosperity of future generations, a world in which all people share a commitment to manage biological diversity for our common benefit. We are all connected, as the Chapungu artists say, and I know we can depend on our many friends to support these continuing efforts to “protect and nurture our environment in the same way as a bird protects her eggs.”

*Peter H. Raven*

Peter H. Raven,  
President of the Missouri Botanical Garden





## LETTER FROM THE CHAIRMAN

Henry Shaw opened his garden to the public nearly a century and a half ago. In 2009, we will observe our sesquicentennial anniversary, and plans are underway for a celebration befitting Shaw's legacy. In Shaw's will, he established that, upon his death, the Missouri Botanical Garden would be conveyed to

*Trustees [...] with the view of having for the use of the public a Botanical garden [...], which should be forever kept up and maintained for the cultivation and propagation of plants, flowers, fruit and forest trees, and other productions of the vegetable kingdom; and a museum and library connected therewith, [...] and to the science of Botany, Horticulture, and allied objects; [...].*

As the new chairman of the Board of Trustees, I am honored to lead a body tasked with protecting and maintaining the Missouri Botanical Garden "for the use of the public... forever." Gratitude is due to my predecessor in this role, Scott Schnuck, who made this job look easy for three years. Gratitude is also due to our wide-ranging community of members and supporters, whose gifts, sponsorships, tributes, bequests, and annual donations to the Henry Shaw Fund provide the critical foundation for all the Garden's activities.

Shaw's Garden is one of the treasures of our region. Green for nearly one hundred and fifty years, the Garden is uniquely positioned to lead this era of sustainability. Throughout 2007, the Executive Committee of the Board of Trustees worked closely with the Garden's management team, staff members, donors, and other stakeholders to crystallize a bold and ambitious plan to guide the Garden as we move forward in our mission "to discover and share knowledge about plants, in order to preserve and enrich life," and to build a more sustainable future.

The Board of Trustees adopted this plan at its December 19 meeting. The new strategic plan, *Missouri Botanical Garden: Conservation and Sustainability*, defines the Garden's vision, values, and goals, and sets our course for 2008 through 2014.

The development of this plan has reinforced our belief in the strength the Garden brings to the national and international science community, as well as the crucial importance of partnership and collaboration. You will see evidence of these partnerships throughout this report. In our science and conservation activities, we partner with the National Geographic Society and National Science Foundation, the New York Botanical Garden and Royal Botanic Gardens—Kew, among others. We collaborate with the Missouri Department of Conservation, Missouri Department of Natural Resources, and local universities. We also work closely with the Saint Louis Art Museum, Science Center, Zoo, and Missouri History Museum, as we "cross-pollinate" our education programs, enrich cultural opportunities, and even help feed and entertain zoo animals (see page 17).

Creating a shared vision moves us beyond what any of us can accomplish alone. Henry Shaw understood that when he established the Board of Trustees. Another man has understood as well: our current president Dr. Peter H. Raven, head of the Garden since 1971, and leader of our remarkable growth into the twenty-first century. Here's to working together to build a better future for people, plants, and the planet!

*Nicholas J. Reding*

Nicholas L. Reding,  
Chairman of the Board of Trustees



## BOARD OF TRUSTEES

Mr. Nicholas L. Reding,  
*Chair*

Carolyn W. Losos,  
*Vice Chair*

Catherine B. Berges

Rev. Lawrence Biondi, S.J.

Mr. Stephen F. Brauer

Prof. Sir Peter R. Crane FRS

Mr. Arnold W. Donald

The Hon. Charlie A. Dooley

Mr. L. B. Eckelkamp, Jr.

Dr. Thomas F. George

Mr. Edward D. Higgins

Mr. David Hollo

Mr. David W. Kemper

Mr. S. Lee Kling

Mr. Charles E. Kopman

Mr. Hal A. Kroeger, Jr.

Cheryl Morley

Mr. Jai Nagarkatti

Mr. Scott C. Schnuck

Dr. Henry Gerard  
Schwartz, Jr.

Mr. Rex Sinquefield

Nancy R. Siwak

The Hon. Francis G. Slay

The Rt. Rev. George  
Wayne Smith

Mr. Robert B. Smith

Mr. Andrew C. Taylor

Mr. Barrett Toan

Dr. Mark S. Wrighton

### **Emeritus Trustees**

Mr. Clarence C. Barksdale

Mr. John H. Biggs

Mr. William H. T. Bush

Mr. Bert D. Condie III

Mr. M. Peter Fischer

Mrs. Marilyn Fox

Mrs. Margaret B. Grigg

Mr. Robert R. Hermann

Mrs. Warren G. Keinath, Jr.

Mr. Ralph Korte

Mr. Robert E. Kresko

June M. Kummer

Mr. E. Desmond Lee, Jr.

Doris Lichtenstein

Lucy Lopata

Mr. Douglas B. MacCarthy

Mr. James S. McDonnell III

Mr. Jefferson L. Miller

Mr. Lucius B. Morse III

Dr. Helen E. Nash

Evelyn E. Newman

Mrs. Linda O'Hara

Mr. William R. Orthwein, Jr.

Mr. Roy Pfautch

Mrs. Lucianna Gladney Ross

Mr. Anthony F. Sansone, Sr.

Mr. Warren M. Shapleigh

Mr. Joseph Shaughnessy

Mrs. C. C. Johnson Spink

Mrs. Walter G. Stern

Dr. William K. Y. Tao

Mr. Jack E. Thomas, Jr.

Mrs. Robert P. Tschudy

Dr. George E. Thoma

Mr. John K. Wallace, Jr.

Mr. O. Sage Wightman III

Mrs. Raymond H. Wittcoff

Mr. Harry E.

Wuertenbaecher, Jr.

### **Honorary Trustees**

Dr. Werner Greuter

Dr. Surinder M. Sehgal

### **Members' Board**

Carol Squires, President



*right:* This passionflower is a new species collected in the Yungas cloud forest of **Northern Bolivia** to be described by Garden curator Peter Jørgensen and Bolivian botanist Roberto Vásquez. As the global climate warms, species from lower elevations migrate upward along mountain slopes, competing with and placing at risk the specially adapted cloud forest and alpine plants.

*below:* In **Ecuador**, 30 students from the Shuar indigenous group participated in a dendrology, or tree identification, course taught by Garden curator David Neill. The students are from the local university, where they study botany and chemistry and learn methods of producing natural products from Amazonian plants—such as soaps, balms, and perfumes—with the aim of developing sustainable economic alternatives for Shuar communities in the region.




## SCIENCE & CONSERVATION: PROTECTING THE WEB OF LIFE

> In every country on Earth, species are becoming extinct at an unprecedented rate. The scientific work of Missouri Botanical Garden researchers is the basis for plant conservation in many countries. In addition, community-based efforts, empower local populations to protect their natural resources, thus protecting the web of life—and the future—for us all.

The Garden has one of the world's most active research programs in tropical botany and conservation, with 46 Ph.D. researchers working in 36 countries around the globe. Every day, these intrepid scientists wrestle the elements to document the world's dwindling flora. New species are discovered almost daily, but discovery and documentation are not enough in the face of habitat destruction and global climate change.





Scientists have identified only one in six plants believed to exist in the world. As habitats are destroyed, plants that could yield potential medical or other benefits will be lost. In Costa Rica in 2007, Garden curators Barry Hammel and Mike Grayum recorded the discovery of 28 species new to science:

*Blechnum moranianum*

*Buddleja filibracteolata*

*Calyptanthes monteverdensis*

*Cleome costaricensis*

*Conarus vulcanicus*

*Danaea tuomistoana*

*Eugenia haberi*

*Guarea* 5 spp.

*Justicia chaconii*

*Lellingeria pinnata*

*Lepanthes cribbii*

*Lepanthes whittenii*

*Luzula ignivoma*

*Oryctina costaricensis*

*Panopsis acostana*

*Pleurothallis bogarinii*

*Protium pecuniosum*

*Pteris herrerae*

*Ruellia exilis*

*Ruellia mira*

*Ruellia norvegigratiola*

*Salvia colonica*

*Sobralia rareae-avis*

*Sphaeradenia rostellata*

"WE CANNOT SUSTAIN THE  
POLLUTION OF THE RIVERS,  
THE CUTTING OF THE TREES,  
AND THE DESTRUCTION OF  
OUR ENVIRONMENT."

-SANWELL CHIRUME  
CHAPUNGU SCULPTOR



“THE ELDERS GATHER TO SING ABOUT THIS ELEGANT AND BEAUTIFUL ANIMAL THAT ONCE EXISTED IN OUR LAND, BUT WHICH HAS NOW BEEN DRIVEN TO EXTINCTION.”

—FUNGAYI MWAROWA,  
CHAPUNGU SCULPTOR



## SCIENCE & CONSERVATION PROFILE: MADAGASCAR

above: Located off the east coast of Africa, Madagascar is the world's fourth largest island, about the size of Texas. Madagascar began to drift away from the African mainland 165 million years ago. In the resulting isolation, a unique assemblage of species evolved—species found nowhere else in the world, such as lemurs and baobab trees. Some 90 percent of Malagasy plants occur only on this island, the highest rate of unique species of any nation on Earth.

### THE GARDEN IN MADAGASCAR:

Active since: 1972

Community-based conservation since: 1990

Garden's local office: Antananarivo

Staff: 54 Malagasy botanists  
and botanists-in-training

Major grants in 2007 (totaling \$1.8 million):  
MacArthur Foundation, Goldman Fund,  
National Science Foundation, J.R.S.  
Biodiversity Foundation

Read more:

[www.mobot.org/mobot/madagascar](http://www.mobot.org/mobot/madagascar)

- In the Malagasy language, it is known as *tavy*. Researchers believe this traditional method of slash-and-burn agriculture was brought to the island of Madagascar by the earliest human settlers from proto-Indonesia almost 2,000 years ago. *Tavy* teaches farmers to cut down the forest, burn the remains, and plant rice. The fields are then supposed to be left fallow, sometimes up to 10 years, but human population growth and desperate poverty have outstripped forest regeneration, and *tavy* has become a tradition that threatens biodiversity and livelihoods.





Near Mahabo, a highly endangered forest in southeastern Madagascar, the Garden has trained villagers to make baskets in styles that will appeal to an international market through a partnership with The Blessing Basket Project®. The basket weavers, all of them women, use rushes that grow in the marshes around Mahabo Forest, and the income generated is helping to alleviate poverty.

The Skandalaris Center for Social Entrepreneurship at Washington University studied the economic impact and found that the first year's production contributed more than 10 percent to the entire economy in Mahabo—more than four times the normal economic growth for Madagascar.

Since 1990, the Garden has operated training programs to establish a corps of Malagasy citizens with practical skills and the experience needed to assume responsibility for the study, protection, and rational use of their country's unique biodiversity. Community-based conservation training sessions are held during village meetings.



## A MADAGASCAR SUCCESS STORY:

Today, the long-term survival rate for childhood leukemia is above 90 percent, owing in part to vincristine, a chemotherapeutic drug made from the Madagascar rosy periwinkle. Other potential medicines might be discovered in Madagascar, if we can conserve the forests.

“The villagers of Mahabo, for example, rely heavily on the forest for income. The result is overharvesting of trees and burning the forest to make room for crops. The bottom line is, **poverty screams louder than our message of conservation,**” said Garden associate curator Armand Randrianasolo.

With Malagasy incomes averaging only \$240 per year, about eighty percent of the population practices subsistence farming. Barely fifteen percent of the original forest remains today.





“IF WISDOM COMES WITH YEARS,  
THEN WHY IS SHE, SO MUCH  
YOUNGER THAN I, SO MUCH WISER?”

—AGNES NYANHONGO  
CHAPUNGU SCULPTOR

## SCIENCE & CONSERVATION PROFILE: PERU

above: Together with the Yanéscha people, Garden conservationists have created an integrated program of environmental education and sustainable development. Yanéscha families apply the skills they have learned to cultivate vegetables for home consumption. Mothers in the community of Villa América, shown here with some of their harvest, also cultivate vegetables to supply to the *comidería*, a popular dining room that the mothers' club has developed as a small business in the community.

### THE GARDEN IN PERU:

**Active since:** 1975

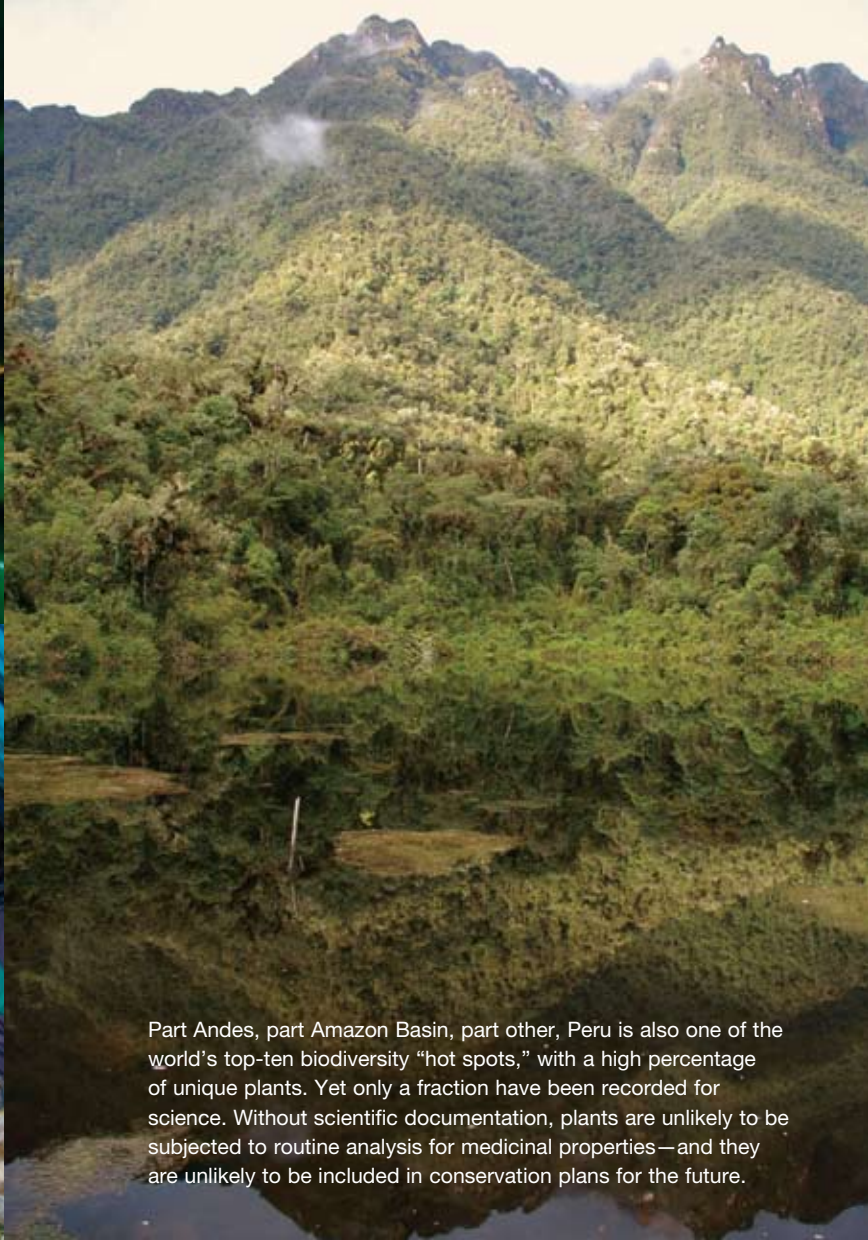
**Community-based  
conservation since:** 2001

**Garden's local office:** Oxapampa

**Staff:** 27 Peruvian botanists,  
trained specialists,  
and graduate students

- At the headwaters of the Amazon Basin, in the *selva central* (central forest) of Peru in the eastern foothills of the Andes, lie the ancestral homelands of the Yanéscha, who have lived in this area for over 2,000 years. Despite domination by the Incas, and later by the Spanish, the Yanéscha maintained a traditional way of life for centuries, hunting, fishing, and practicing subsistence agriculture adapted to the narrow valleys of the upper Peruvian Amazon.





Part Andes, part Amazon Basin, part other, Peru is also one of the world's top-ten biodiversity "hot spots," with a high percentage of unique plants. Yet only a fraction have been recorded for science. Without scientific documentation, plants are unlikely to be subjected to routine analysis for medicinal properties—and they are unlikely to be included in conservation plans for the future.

above (top and bottom): *Masdevallia rosea*, native to Peru. Orchids are perhaps the least known botanical group in the *selva central*. In the Garden's internship program, Peruvian university students spend several weeks collecting specimens and gathering data in central Peru, one of the richest laboratories in the world for biological research.

The Yaneshas are a small community—numbering just 7,000 people, or three percent of the indigenous population of Peru—but they are pivotal to conservation efforts. They live in proximity to two of Peru's most biologically rich reserves: the Yanachaga-Chemillén National Park and the San Matías-San Carlos Protected Forest.

To reach the Yaneshas lands in the *selva central* requires a seventeen-to-twenty hour bus ride from Lima, depending on the condition of precarious roads prone to mudslides in the rainy season. This area is one of the centers of greatest diversity

of plant life in Peru, but it is also one of the least well known. New species are identified on almost every botanical field trip.

The Yaneshas previously lived in harmony with the natural world, but traditional agriculture has given way to less sustainable methods. Economic crops have degraded the soil, traditional fallow periods go unobserved, and more and more land is carved from the forest. The Yaneshas now face the diminishing harvest of their most culturally important crop—yuca, or cassava root.





## SCIENCE & CONSERVATION PROFILE: ASIA

- > The first ecosystems on Earth to display the most dramatic effects of climate change are arctic and alpine areas. At the poles of the planet and in the mountains, inhabitants and scientists are witnessing melting glaciers and sea ice, eroded coast lines, and plants and wildlife adapted to highly specialized conditions now struggling to survive.



In April in Bach Ma National Park, **Vietnam**, Garden researchers discovered a new species of *Acranthera*, a genus in the Rubiaceae (coffee) family. The flora of Vietnam is still poorly known; further field explorations will likely lead to more new discoveries.

The Garden's Alice H. Brown Curator of Ethnobotany, Jan Salick (above in green)—in collaboration with Tibetan and Chinese colleagues—is monitoring the alpine flora of the eastern Himalayas to detect changes. Tibetans depend on alpine flora for traditional medicine. This collection is increasingly at risk as Tibet's glaciers retreat.



> The Missouri Botanical Garden's Science and Conservation program, headquartered at the Monsanto Center and the Lehmann Building in St. Louis, offers excellent resources for researchers, including:

- One of the world's largest **herbariums** with 5.9 million specimens.
- An excellent botanical **library**, with over 181,000 volumes and significant rare book holdings.
- **TROPICOS™**, one of the world's largest botanical databases with 3.5 million records ([www.tropicos.org](http://www.tropicos.org)).
- **Botanicus.org**, one of the world's largest digital libraries, with free and improved access to historical scientific literature and over 1,200 volumes online.
- A robust **graduate program** with 22 students from 13 different countries. In 2007, three students received master's degrees, five received Ph.D.s.
- The **William L. Brown Center for Plant Genetic Resources**, dedicated to the study of plants with economic potential and the conservation of traditional knowledge to benefit future generations.
- The **Center for Conservation and Sustainable Development**, which analyzes and interprets botanical information as the basis for conservation and works with local people in conservation and sustainable management of natural resources.

In May 2007, the Garden, along with Harvard University, the Smithsonian Institution, the Field Museum of Chicago, and the Marine Biological Laboratory at Woods Hole, announced an unprecedented global effort to document all life on Earth and make it available, free to all, on the Internet. **The Encyclopedia of Life** was initiated with a \$10 million grant from the John D. and Catherine T. MacArthur Foundation and \$2.5 million from the Alfred P. Sloan Foundation. The Garden's existing database architecture informed the design of this new website.

*The Science and Conservation Division has 46 Ph.D. researchers, 144 full-time and 2 part-time employees, 22 graduate students, and 85 volunteers under the direction of Dr. Robert Magill.*



## 25 YEARS

Garden curators Henk van der Werff and Gordon McPherson pressing some recent collections in **Panama**. Henk and Gordon are members of an elite group of Garden researchers who have surpassed the 25-year employment anniversary, including: Dr. Tom Croat, Dr. Marshall Crosby, Dr. Gerrit Davidse, Jeany Davidse, Dr. Peter Goldblatt, Dr. Peter Hoch, Carla Kostelac, Ron Liesner, Barb Mack, Dr. Robert Magill, Mary Merello, Leonardo Mourre, Amy Pool, Dr. James Solomon, and Dr. W.D. Stevens.



A large stone sculpture of a woman with two children, set in a garden. The woman is the central figure, with a large head and a long, textured body. Two smaller figures of children are positioned in front of her, one on each side. The sculpture is made of a light-colored, textured stone. The background is a lush garden with green foliage and yellow flowers.

*“EVERYONE FROM  
MY COMMUNITY  
IS MY FAMILY.”*

*–CHAPUNGU  
SCULPTORS*

> The Missouri Botanical Garden is a treasure of the community, an oasis of beautiful and renowned plant collections, a place where memories are made at weddings, parties, and events—and where children and grandparents, gardeners and generalists all find enjoyment.

The Garden has always opened its doors to host the widest possible community—through public events and exhibitions and an extensive membership program.

In 2007, Chapungu artists from Zimbabwe illustrated the fragility of nature and the importance of community through monumental works of stone.

Chapungu was presented with sponsorship from: Enterprise Rent-A-Car Foundation, Rex and Jeanne Sinquefield, Jack Taylor, Andrew and Barbara Taylor, and one anonymous patron.





## MEMBERSHIP AND COMMUNITY: PROTECTING OUR CONNECTIONS

Sculptures were placed throughout the grounds for all 635,990 visitors to the Garden to enjoy. Create-your-own sculpture workshops with the Zimbabwean artists ran throughout the summer. On Thursday evenings, African music filled the air, as guests celebrated Chapungu Nights in the Garden with specialty food and drink and self-guided tours.

The Garden's membership program continued to grow with expanded **family programming**, such as the new Members' Family Picnic. In October, "Ghouls in the Garden" invited members' children to wear their costumes and find "where the wild things are" (in the Children's Garden). Seasonal members-only events such as Eggstravaganza, Rose Evening, and the Holiday Concert attracted capacity crowds. The second biennial Vintners' Gala drew wine connoisseurs from around the world for an evening sponsored by A. Bommarito Wines to benefit the Garden.

The Garden's **Young Friends**, a group of young professionals in their twenties and thirties, supports the Garden's mission. A successful string of events helped launch this organization, including a Chapungu Night cocktail party and "Sumo, Sake, and Sushi" during the Japanese Festival.

**Garden membership** benefits are extensive and include unlimited admission, special monthly Members' Days and

events, and discounts in the shops and on classes. To better maximize members' fun and enjoyment in 2007, the Garden began offering a quarterly orientation and tour for all new members. Perhaps that's why the Garden enjoys one of the highest renewal rates of any cultural attraction in the country.

Signature public events continued to attract large crowds to the Garden in 2007. The Garden's annual **Whitaker Music Festival**—which had a record attendance of over 58,000 people—was named the best music festival by the *Riverfront Times*. Excellent weather helped propel the Garden's two largest weekend events into record-breaking territory. The 2007 **Japanese Festival** drew 43,036 people to this three-day celebration of Japanese culture and cuisine. The 16th annual **Best of Missouri Market**<sup>®</sup> was another record-breaking success, with the attendance of 25,417 shoppers over two fun-filled days in October.

The Garden's annual flower shows, the Orchid Show and Gardenland Express Holiday Flower and Train Show, were also well attended. A new event, **Carver Days**, honored Black History Month at the Garden, and helped educate visitors about the Missouri-born scientist, educator, and humanitarian. Henry Shaw's estate home, **Tower Grove House** enjoyed record visitation this year.





*“THE FOREST PROVIDES SHELTER AND THE LAKE PROVIDES NOURISHMENT. WE CAN FLOURISH IN THIS ENVIRONMENT.”*

*—EDWARD CHIWAWA, CHAPUNGU SCULPTOR*

## HORTICULTURE: PROTECTING BEAUTY, KNOWLEDGE, ENRICHMENT. THE EARTH

> What does it mean to protect biodiversity? In the most literal sense, the Missouri Botanical Garden works in 36 countries throughout the world to prevent the senseless destruction of plant life—plants which yield food, shelter, medicine, and beauty. But Garden staff also work to promote biodiversity at home by inspiring and sustaining the public’s interest in plants.

The Garden’s Horticulture Division nurtures the awe-inspiring acres of horticultural displays here in St. Louis and plans and installs new displays. In 2007, construction began on the **Doris Waters Harris Lichtenstein Victorian District**, a unification of a large area of the Garden around Henry Shaw’s

original Victorian town house. When complete, the planned developments will include a Victorian-style pincushion garden, resurfacing of major paths, new lighting, and the addition of columned entrances. A separate gift provided for a complete renovation of the **Kaeser Maze**.





## HELPING PLANTS, HELPING ANIMALS

In July, Garden horticulturists removed more than half of a grove of Yellow groove bamboo (*Phyllostachys aureosulcata*) surrounding a small structure known as the Cleveland Avenue Gatehouse in order to better view the wonderful architecture of this historic building. The removed plant matter went to a good cause: the **BROWSE program** of the Saint Louis Zoo. For the last five years, the Garden has provided plant materials to supplement the diet and behavioral enrichment of animals. The bamboo was distributed to elephants, lemurs, okapis, and other animals.

## HISTORIC, HEIRLOOM, AND RARE

The Garden showcases biodiversity by displaying historic, heirloom, and rare plants in our collections. Of particular note is the new collection of **historic hybrid tulips**, one of the largest such public displays in the U.S. The multicolored Rembrandt, or broken tulips, were planted in the Bakewell Ottoman Garden because of that culture's admiration for the blooms, which eventually spread westward to Holland and beyond.



## PLANT, DON'T PITCH

Area gardeners planting flowers to beautify a landscape know where to turn to ensure their leftover plastic pots don't do the opposite. The Garden's ninth year of **Plastic Pot Recycling** collected a record 100,000 pounds of plastic—up 33 percent

from 2006. The recycled plastic was made into landscape timbers for building retaining walls, borders, and raised beds. The program is sponsored by the St. Louis-Jefferson Solid Waste Management District and Monrovia Growers, Inc.

## NEW FLOWERS, NEW FACES

The Garden's **William T. Kemper Center for Home Gardening**, the nation's largest nonprofit gardeners' resource, attracted over 125,000 visitors last year. These home gardeners seek inspiration in the eight acres of demonstration gardens and the readily accessible advice and education from experts. Over 2,200 adults took advanced gardening classes. When they couldn't visit, over 1.8 million individuals availed themselves of the Center's **GardeningHelp.org** website.

The Garden's **Nursery Day** is an annual day of fun and education for professionals from garden centers, growers, landscape designers, and maintenance managers. Sponsored by the Ball Horticultural Company, the Missouri Landscape and Nurseryman's Association of Greater St. Louis, Forrest Keeling Nursery, and Home Nursery, the 2007 event included workshops, demonstrations, and a range of presentations.

The Kemper Center also installed a new **Plants of Merit™ bed**, featuring over 30 plants from the Plants of Merit roster, including such beauties as hardy geranium (*Geranium* 'Rozanne'), with purple flowers which replenish throughout the summer, and fire bush (*Hamelia patens*), a tropical used as an annual in our climate to attract hummingbirds. The **Plants of Merit™ program** recommends a set of outstanding and underutilized plant varieties each year for their dependable performance in our region.

*The Horticulture Division has 58 full-time and 4 part-time employees, 6 interns, and 614 volunteers under the direction of Vice President James P. Cocos.*





## EDUCATION: PROTECTING THE FUTURE

> Without plants, life as we know it would not exist. Plants provide oxygen, food, medicine, shelter, fuel, paper, and more. To protect our future as a species, human beings must cultivate an appreciation for our dependence on plant life. When children understand how plants survive, and how they help us survive, they intuitively grasp why we need to maintain a healthy environment for plants and people alike to thrive.

### THE GARDEN'S EDUCATION CAMPUSES:

- Missouri Botanical Garden, St. Louis
- EarthWays Center, St. Louis
- Litzsinger Road Ecology Center, Ladue
- Sophia M. Sachs Butterfly House, Chesterfield
- Shaw Nature Reserve, Gray Summit

On five campuses throughout the St. Louis region, the Garden's Education Division teaches children about plants through **school programs** and **public programs**. Young preschoolers look at flowers to learn shapes, colors, patterns, and textures. School-aged children tackle interdisciplinary science, math, language, and art through the natural world. Children who benefit from these types of meaningful connections to nature during their formative years grow in self esteem and develop healthy attitudes about our environment. They may become our future botanists, environmental scientists, and science educators—all needed to sustain our society.



“MOTHER SAYS  
WE MUST TEACH  
HER EVERYTHING  
WE LEARN AT  
SCHOOL. SHE IS  
A GOOD PUPIL!”

—NICHOLAS  
KADZUNGURA,  
CHAPUNGU  
SCULPTOR



Children learn about plants, ecology, history, and sustainability in the **Doris I. Schnuck Children’s Garden**, which opened for its second season in 2007. New drop-in programming, **Great Green Adventures**, focused on outdoor activities, no reservations required. Throughout the summer, kids could test their green thumbs by planting vegetables, flowers, or seeds and learn about the natural world while having fun!

More fun was had when the Garden became the first botanical garden in the nation to welcome a new **Nature Explore Classroom** in the Children’s Garden. Based on designs by the National Arbor

Day Foundation and Dimensions Educational Research, this feature connects children to the outdoors through the use of natural materials for creative, unstructured play. Children create music with rain sticks, climb under, over, and through logs, and make art from plant materials.

The Garden’s educational outreach extends to **Teacher Professional Development** and **Therapeutic Horticulture** for senior citizens and special-needs populations. Gardens have wonderful restorative power, and ample teaching opportunities for kids, adults, seniors, teachers, students, families, and us all.

## SNAPSHOT: ECOLOGY IN ACTION

Now in its 26th year, ECO-ACT is an award-winning environmental leadership and mentoring program that has brought “ecology in action” to 18,000 St. Louis City and County students. High-school juniors and seniors selected for the year-long program participate in summer and school-year training, research, and hands-on projects, including team teaching local fourth graders about environmental awareness, plants, animals, and ecosystems. In 2007, the Saigh Foundation endowed ECO-ACT, helping shape better-informed and more active citizens who care about our community and the environment.

*The Education Division has 37 full-time and 2 part-time employees, 2 interns, and 401 volunteers under the direction of Vice President Deborah Chollet Frank.*





above: Camp EarthWays students on a field trip learn about native plants.

right: Children harness the energy of the sun to cook food with a solar oven.

## EARTHWAYS CENTER

The EarthWays Center promotes sustainability through environmental education and improving the built environment. In 2007, the EarthWays Center was awarded the title “Best Place to Go Green” by the editors of the *Riverfront Times*.

EarthWays is a hub of sustainability education in area schools and colleges, serving over 4,700 students in 2007. Major grants from AmerenUE and the St. Louis-Jefferson Solid Waste Management District supported enhanced educational programs for community groups and families on topics ranging from “green” home building and home energy efficiency to recycling and composting. Through the America SCORES program, EarthWays partnered with six St. Louis public schools to make recycling, poetry, and soccer a winning literacy combination.

EarthWays is the headquarters of the U.S. Green Building Council’s St. Louis Regional Chapter. In 2007, the USGBC–STL helped 18 St. Louis-area building projects, including the Garden’s Monsanto Center, obtain grants toward earning LEED (Leadership in Energy and Environmental Design) certification.

**Director:** Glenda Abney

**Staff:** 6 full-time

**Volunteers:** 36

**Attendance:** 5,700

**Location:** 3617 Grandel Square,  
St. Louis, Missouri 63108

**Phone:** (314) 577-0220

**Web:** [www.earthwayscenter.org](http://www.earthwayscenter.org)



### A BRIGHT IDEA

In September, the sixth annual Green Homes Festival and House Tour drew record attendance. Festival-goers purchased over 10,000 energy-efficient compact fluorescent lightbulbs. CFLs are so much more efficient than incandescent bulbs that, by burning less power, this switch will have the same air quality impact as removing 500 cars from the road for one year.





## SHAW NATURE RESERVE

The Shaw Nature Reserve, founded in 1925, strives to inspire responsible stewardship of our environment through education, restoration, and protection of natural habitats—and also through public enjoyment of the natural world. In 2007, more people were able to enjoy the Reserve with the opening of the ADA-accessible Wetland Trail. Thanks to a Recreational Trail Grant from the Federal Highway Administration, the renovated one-mile trail provides easy access for people in wheelchairs and those who have difficulty walking on uneven surfaces.

The Reserve has worked closely with the Missouri Department of Conservation (MDC) for many years and in 2007, the partnership grew to include increased collaboration on adult and family education programming and habitat restoration-related activities. This strong and growing partnership ensures that a unified and far-reaching conservation message reaches more Missourians each year.

The Reserve continues to promote the use of native plants and highlight the environmental benefits they provide. The beautiful Whitmire Wildflower Garden, the state's largest, showcases nearly 800 species of native plants and continues to inspire home gardeners and landscape professionals. Whitmire Family Curator of Native Plants Scott Woodbury runs the thriving Native Plant School throughout the year, featuring a series of classes on all aspects of native plant landscaping for home or business, in collaboration with the MDC's GrowNative! program.

Through careful ecological management, biological diversity in the Reserve's rich mosaic of natural habitats continues to thrive. The Reserve's diverse natural habitats enrich education programs and provide valuable research opportunities. Graduate students from four different St. Louis-area universities are conducting projects at the Reserve. The Dana Brown Overnight Center accommodated 2,781 adults and children last year. Over 12,600 children and adults attended a broad variety of school, adult, and family programs at the Reserve.

*above:* The new Wetland Trail provides easy access for wheelchairs and strollers.

*right:* The annual spring Wildflower Sale brings over 1,000 people to the Reserve.

**Director:** John Behrer

**Staff:** 14 full-time; 5 part-time

**Volunteers:** 139

**Attendance:** 56,778

**Location:** Hwy 100 & 44 (exit 253),  
Gray Summit, Missouri 63039

**Phone:** (636) 451-3512

**Web:** [www.shawnature.org](http://www.shawnature.org)





*above:* Blue morphos in the Conservatory.

*right:* Children enjoy Hot, Hot, Hot!, a tropical event attended by 900 people.

Sophia M. Sachs

## BUTTERFLY HOUSE

Through the life cycle of the charismatic butterfly, the Sophia M. Sachs Butterfly House fosters a better understanding and increased awareness of our natural world. To keep the Conservatory in “full flight” throughout the year, the Butterfly House purchases approximately 52,000 pupae from tropical farms. The revenue gives farmers an economic incentive to avoid more harmful agricultural or ranching practices and helps conserve the land. Butterfly House funds used to purchase pupae in Costa Rica are helping to acquire land at El Bosque Nuevo (“The New Forest”), a reforestation effort.

### UPDATES FOR 2007:

- A new permanent exhibit—Small Wonders—displays hundreds of animals from a variety of ecological areas and the adaptations they have made to be there.
- Education continues to be a priority, with 15,878 students benefiting through formal programs, outreach, and education field trips.

The Wing Ding fundraiser in September was a spectacular success thanks to the leadership of co-chairs Kim and Robert Brinkmann and Jane and Thomas Sehnert. This gala event featured colorful butterfly-themed attire, dinner, and dancing—and an opportunity to express appreciation to a founder of the Butterfly House by presenting Evelyn Newman with the Henry Shaw Medal (see page 46).

**Director:** Joe Norton

**Staff:** 13 full-time, 5 part-time,  
10 seasonal

**Volunteers:** 170

**Attendance:** 139,821

**Location:** 15193 Olive Boulevard,  
Chesterfield, Missouri 63017

**Phone:** (636) 530-0076

**Web:** [www.butterflyhouse.org](http://www.butterflyhouse.org)



# Garden by the Numbers

*Year ended December 31, 2007*

## Visitors

Attendance at all locations: 873,964  
Highest daily annual attendance: 16,022 on Sunday,  
September 2, Japanese Festival  
Highest non-event-related attendance: 6,900 on Sunday,  
May 13 (Mother's Day)  
Lowest non-event-related attendance: 34 on Tuesday,  
January 16, when it was 14° and snowing

## Members

Members: 39,257  
Upper-level members: 530  
Total number of member visits: 228,030  
Members who renew each year: 78%

## Personnel

Volunteers: 1,529  
Volunteer hours of service: 125,535  
Full-time staff equivalent: 64  
Garden staff: 475

## Communications

News items about the Garden in the media: 6,399 in  
46 states and 11 countries

## Education

Students visiting all Garden sites: 135,872  
Teachers supported through workshops, field experiences,  
and educational resources: 3,270  
Student visits to the Commerce Bank Center  
for Science Education: 3,400  
Seniors, special-needs children, and others  
helped through Horticulture Therapy: 1,469  
Student visitors to the Dana Brown  
Overnight Education Center: 1,819

## Home Gardening

Visitors to the Kemper Center for Home Gardening: 128,372  
Plant Doctor: 8,484 clients presenting 13,421 questions  
Adult Education classes: 190  
Adult Education enrollment: 2,235  
Page views on the GardeningHelp.org website: 20.9 million  
GardeningHelp unique web visitors: 1,875,292  
Online email gardening questions answered: 2,794  
Calls to Horticulture Answer Service: 16,237  
Pounds of plastic pots recycled: 100,000  
Plastic pot recycling participants: 2,200  
Master Gardeners: 313  
Master Gardener volunteer hours: 31,457

## Horticulture Displays

Total accessions: 30,439  
New accessions in 2007: 2,145  
Total taxa/unique types of plants: 15,623  
Total trees on grounds: 5,390 (1,095 taxa)  
New trees in 2007: 212  
Unique types of Missouri native trees on grounds: 102  
Unique types of daffodils: 741  
Unique types of daylilies: 1,788  
Unique types of iris: 1,186  
Unique types of lilies: 154  
Seasonal bedding plants: 170,498  
Hanging baskets produced: 305  
Pounds of grass seed: 4,000  
Acres of turf at the Garden: 30

## Science & Conservation

Ph.D. researchers at the Garden: 46  
Researchers did fieldwork in 36 countries on 6 continents.  
TROPICOS online herbarium records: 3,511,082  
(new in 2007: 343,875)  
TROPICOS online names records: 1,012,723  
(new in 2007: 14,931)  
Plant images in TROPICOS: 85,647 (new in 2007: 12,030)  
Average daily Web requests from TROPICOS: 21,243  
Total Web requests from TROPICOS: 7,541,266  
Graduate students at the Garden: 22 students from  
13 different countries  
Degrees awarded: 5 Ph.D. and 4 Masters  
Students did fieldwork in 15 countries including Costa Rica,  
Vietnam, Indonesia, and Madagascar.  
Specimens in herbarium: 5,980,403 (new in 2007: 111,451)  
Books in the Library: 181,650 (new in 2007: 1,650)  
Journal subscriptions in the Library: 800  
Reference queries answered: 1,680  
Interlibrary loans: 792 supplied to 18 countries  
Rare books: approximately 6,550  
Rare books digitized and placed online: 675  
for a total of 1,642 volumes  
Books published by MBG Press: 19 (and 2 quarterly journals)







# Financial Information

Year ended December 31, 2007

## 2007 Public Support & Revenue

### Public Support

Services Provided for Botanical Garden Subdistrict	\$ 9,500,000
Contributions and Memberships	6,755,068
Bequests	2,211,365
<b>TOTAL PUBLIC SUPPORT</b>	<b><u>18,466,433</u></b>

### Revenue

Admissions	1,790,645
Grants and Contracts	7,365,693
Retail Shops	2,401,319
Education	435,994
Property Rentals	495,655
Investment Income (net)	4,315,944
Other	994,661
<b>TOTAL REVENUE</b>	<b><u>17,799,911</u></b>
<b>TOTAL SUPPORT AND REVENUE</b>	<b><u>36,266,344</u></b>

## 2007 Expenditures

### Program Services

Horticulture	2,785,953
Science and Conservation	9,850,570
Retail Shops	2,271,143
Education	2,456,880
Sophia M. Sachs Butterfly House	1,095,767
Shaw Nature Reserve	835,341
Visitor Services	378,421
Public Events	344,302
Contract Services	1,404,207
<b>TOTAL PROGRAM SERVICES</b>	<b><u>\$ 21,422,584</u></b>

## 2007 Expenditures / continued

### Supporting Services

Management and General	\$ 7,081,988
Maintenance and Improvements	3,233,920
Utilities	914,986
Security	734,625
Membership	1,216,275
Fund Raising	1,438,371
<b>TOTAL SUPPORTING SERVICES</b>	<b><u>14,620,165</u></b>

### Equipment & Transfers

Property and Equipment Transfers	375,505
Transfer of Funds	306,867
<b>TOTAL EQUIPMENT &amp; TRANSFERS</b>	<b><u>682,372</u></b>
<b>TOTAL EXPENDITURES</b>	<b><u>36,725,121</u></b>

Excess of Public Support and Revenues over Expenditures	(458,777)
Net Assets—Beginning of Year	5,083,777
<b>Net Assets—End of Year</b>	<b><u>\$ 4,625,000</u></b>

### Net Assets (Deficit)

Operating Fund	\$ 4,625,000
Restricted Funds	5,375,086
Endowment	90,811,580
Land, Buildings, and Equipment	85,386,268
Gift Annuity Fund	1,106,314
<b>TOTAL</b>	<b><u>\$ 187,304,248</u></b>



# Our Staff

The Garden is grateful to our 475 staff members who contributed daily to our success in 2007.

Numbers reflect completed years of service.

## President's Office

Peter Raven	36
<i>President</i>	
Robert Herleth	3
<i>Executive Vice President</i>	
Mary Dunger	10
Kathleen Basso	12
Kathleen Farris	2
Sandra Michael	3
Donna Rodgers	16
Teresa West	9
Beverly Wilcox	19

## Botanical Society of America

William Dahl	5
<i>Manager</i>	
Robert Brandt	2
Heather Cacanindin	0
Beth Hazen	2
Claire Hemingway	3
Wanda Lovan	5
Amy McPherson	18

## Butterfly House

L. Joseph Norton Jr.	6
<i>Director</i>	
Katherine Allen	6
John Allen	6
Bryan Baugher	2
Laura Chisholm	6
Lisa Coleman	0
Mark Deering	6
Jessica Deering	5
Erin Doyle	0
Peggy Drackert	6
Donna Dupske	6
Amy Hammann	4
Judith Hansen	0
Christopher Hartley	1
Jacqueline Henrikson	6
Cara Jaffee	3
Adam Jaschek	1
Josh Kelley	1
Jake Kreinberg	0
Ellen Painter	5
Jason Perry	5
James Powers	6
Daniel Pozzo	1
Emily Riske	4
Judith Rosen	4
Jessica Rutledge	4
Alicia Sy	1
Meredith Weinhold	2
Catherine Wittmer	0

## Center for Conservation and Sustainable Development

Olga Martha Montiel	16
<i>Vice President</i>	
Matthew Albrecht	0
Burgund Bassuner	2
Ivan Jimenez	2
Gail Milder	8
Seema Sheth	1
Barbara Widmer	1

## Center for Plant Conservation

Kathryn Kennedy	7
<i>Manager</i>	
Maria Bradford	4
Olivia Kwong	2
Richard Luhman	0
Jennifer Potratz	0
Anna Strong	0

## Communications

Peggy Lents	6
<i>Senior Vice President</i>	
Heather Arora	6
Matthew Bender	4
Lisa Brandon	7
Ellen Flesch	7
Karen Hagenow	6
Denise Hufford	3
James Kalkbrenner	10
Lynn Kerkemeyer	6
Betty Barnes-Mays	10
Elizabeth McNulty	6
Gene Peimann	5
Deborah Springer	4
Justin Visnesky	4

## Controller's Office

Michael Olson	18
<i>Vice President</i>	
Sharon Harnes	16
Viktoria Krahlung	1
Nancy Lissant	3
Cheryl Mill	34
JoAnn Rivinus Vorlih	6
Dianne Schmitt	12
Linda Settles	13
Elizabeth Barker	10
Paul Bruges	3
Emma Williams	2

## EarthWays Center

Glenda Abney	7
<i>Director</i>	
Emily Andrews	2
Julia Feder	2
Joyce Gorrell	1
Jean Ponzi	7
Kathryn Smaisträ	1

## Education

Deborah Frank	7
<i>Vice President</i>	
Laura Aschenbeck	1
Carol Baumann	7
Donna Beezley	0
Jennifer Brown	3
Tracie Cain	0
Robert Coulter	9
Sean Fears	1
Nicole Freeman	1
Donald Frisch	0
Ariana Giles	0
Suzanne Gregory	2
Amy Haake	15
Margaret Hoester	2
Jennifer Hope	7
Lewis Jones, Jr.	3
Jessica Kester	3
Jennifer Krause	10
Gary Mackey	0
Melissa Poth	2

Martha Schermann	8
Malinda Slagle	3
Jennifer Smith	5
Pansy Smith	1
Mary Voges	6
Heather Wells-Sweeney	6
Jennifer Wolff	8

## Gateway Greening

Gwenne Hayes-Stewart	10
<i>Manager</i>	
Jean Corbett	0
Mara Higdon	3
Theresa Lopez	2
Lauren Maul	2
Andrea Meyer	1
Hannah Reinhart	0
Parker Smith	0

## General Services

Paul Brockmann	37
<i>Senior Vice President</i>	
JoAnn Ahart	7
Qiana Baxton	0
James Bonds	1
Daniel Braymer	0
Roderick Brown	8
Tom Brown, Jr.	7
Magdaline Brune	1
Michael Bruner	23
William Buarde	1
Michael Callier	7
Patrick Cannady	1
Zita Casey	5
Susan Ciluffo	7
Michael Cotton	9
Joshua DeClue	1
Douglas Deem	6
Andrew Dodson	7
Guy Dopmeyer	10
William Guy	5
John Harris	5
Mark Hoag	0
Drew Hogan	1
John Hunter	2
Carla Johnson	2
Gregory Jones	2
Annonciate Kagarama	6
Mark Kreutzer	0
Nicholas Lauman	0
Bradford Lewis	1
Jacklyn Maciekowicz	18
Earl Matthews	4
Kevin Mattingly	31
Michael Messner	3
David Moore	4
John Morris, Jr.	11
Frank Nelson	8
Patrick Nolan	6
George Overby	10
Cedric Paine	10
Lisa Rhodes	1
Herbert Quinn	0
Robert Quirin, Jr.	12
Mevlida Ramadanovic	5
Margie Reynolds	2
Michael Schumer	0
Chauncey Scott	3
Patricia Scott-Jones	8
Steven Smith	8
Westley Smith	6
Ralph Stamm	5
Dennis Strubberg	12

Michael Sutton	9
Marcus Thompson	0
Gregory Tolle	0
David Valdez	0
Ronnie Walters	1
Keith Warfield	1
Ben Wells	1
Linda Williams	4
April Wilson	0
Glenn Young	1

## Horticulture

James Cocos	13
<i>Vice President</i>	
Sarah Anderson	2
JoAnn Batzer	10
Walter Behrendt, Jr.	36
Tammy Behm.	1
Josephine Byrne	11
Gregory Cadice	21
Benjamin Chu	25
Steven Cline	18
Adam Coleman	0
Emily Colletti	5
Janet Crosswell	3
Ilaz Dalipi	8
Tutti Day	5
Jason Delaney	12
Senad Duracak	6
Melissa Ecker	4
Phillip Egart	12
Lawrence Enkoji	16
Sheila Flinchpaugh	0
Lisa Francis	7
Norma Fraser	1
Katherine Freeman	5
Paul Hampton	0
Linda Harman	5
Richard Harrison	21
Julie Hess	19
Peter Hitch	2
June Hutson	31
Jennifer Kleeschulte	0
Glenn Kopp	23
Deborah Lalumondier	25
Pete Lampros	1
Scott Linton	4
Randy Lueker	0
David Middleton	2
Jennifer Mistretta	1
Christine Nejeleski	0
Renee Nelson	2
Teresa Pafford	4
Tamara Palmier	6
Catherine Pauley	11
Dawn Petersen	1
Lisa Prasad	7
Susan Ratcliff	10
Dana Rizzo	0
Juanita Roth	4
Patricia Scafe	2
Steven Siebe	1
Todd Simms	8
David Sinnett	1
Matthew Spiguzza	2
John Spitzer	9
Rebecca Sucher	10
Jonathan Sweeney	11
Gerald Tynan	22
Blanche Wagner	12
Darman Williams	30
Stephen Wolff	39
Mark Zigrang	3



## Human Resource Management

Sue Wilkerson	19
<i>Senior Vice President</i>	
Karen Becker	0
Tracy Breckenridge	1
Dorlean Cole	3
Katherine Corey	1
Judith DeWitt	17
Jackie Juras	10
Rose Lauman	3
Judy Servais	18

## Information Technology

Charles Miller, Jr.	6
<i>Vice President</i>	
Rafael Barron	0
William Behrns	7
Zubin Chandran	4
Cassandra Cody	9
Connie Combs	0
William Dale	2
Joe Ditto	9
Myriam Fica	19
Christopher Freeland	8
Heather Gossett	0
Brian Jaskiewicz	3
Roberta Jones	1
Michael Latzel	3
Donna Miller	9
Jay Paige	1
Lucinda Thompson	8
Michael Westmoreland	14

## Institutional Advancement

Sharon Mertzlufft	4
<i>Senior Vice President</i>	
Judith Branstetter	6
Christine Brew	0
Linda Cherry	6
Lynn Cook	3
Sally DeForest	2
Laura DeYoung	6
Ann Eggebrecht	7
Cynthia FitzGibbons	1
Gwendolen Goolsby	6
Kristine Gruver	0
Katherine Kornfeld	3
Anita Lundak	1
Lisa McDonald	1
Joyce Pluhar	1
Sheila Pratt	1
Bobby Sanderson	0
Jessica Smith	3
Andrea Sykes	1
Chon Tomlin	0
Brenda Zanola	6

## Jefferson Solid Waste Management District

David Berger	5
<i>Manager</i>	
Linda Adams	5
Marian Deinbo	5
Rebecca Shelby	5

## Science and Conservation

Robert Magill	25
<i>Senior Vice President</i>	
Bruce Allen	23
Alba Arbelaez	11
Fred Barrie	19
Duan Bills	2
David Bogler	2

Steven Churchill	11
Trisha Consiglio	8
Thomas Croat	40
Marshall Crosby	39
Gerrit Davidse	35
Robert Dressler	15
Michael Grayum	23
William Haber	22
Barry Hammel	23
Si He	14
Peter Hoch	30
Peter Jorgensen	15
Fred Keusenkothen	7
Sandy Lopez	16
Carlyle Luer	23
Mary McDonald	3
Mary McNamara	6
John Myers	0
David Neill	23
John Pruski	6
Heidi Schmidt	3
Randy Smith	2
Brenda Sneed	18
W.D. Stevens	30
Charlotte Taylor	17
M. Carmen Ulloa Ulloa	14
Henk van der Werff	25
Rodolfo Vasquez	14
George Yatskievych	2
James Zarucchi	24

## Africa and Madagascar

Chris Birkinshaw	7
Sharon Bodine	16
Roy Gereau	24
Peter Goldblatt	35
Miguel Leal	3
Porter Lowry II	21
Gordon McPherson	29
Peter Phillipson	5
Zachary Rogers	8
George Schatz	21
Tariq Stevart	1
Gretchen Walters	7

## Asia

Ihsan Al-Shehbaz	17
Anthony Brach	14
Carolyn McCandless	11
Lisa Pepper	0
Jacinto Regalado, Jr.	6
Tatyana Shulkina	12
Rosemary Tanaka	16
Nicholas Turland	10
Libing Zhang	1

## Graduate Programs

Peter Richardson	17
------------------	----

## Herbarium

Thomas Bernickus	16
Teri Bilsborrow	8
Sally Bommarito	6
Alan Brant	3
Rita Chiadini	2
Jeany Davidse	26
Rosa Del Carmen Ortiz-Gentry	14
Jean Digby	19
Eric Feltz	5
Olga Fomina	6
Ashley Glenn	0
Jennifer Gruhn	1
Carol Hebblethwaite	10
Donna Herrera	8
Gunhild Hill	24
Suzanne Hirth	8

JoAnn Jordan Bartels	2
Carla Kostelac	25
Jennifer Kuhl	3
Ronald Liesner	35
Renata Mason	0
Mary Merello	25
Leonardo Mourre	43
Amy Pool	26
Rita Randolph	6
Jon Ricketson	21
Lynn Satterley	2
James Solomon	26
Anna Spencer	16
Vallery Swift	20
Lidiya Toropova	8
Andrea Voyer	3
Laurel Zimmer	16

## Library

Michelle Abeln	4
Michael Blomberg	4
Andrew Colligan	7
Julie Crawford	11
Lucy Fisher	1
Douglas Holland	13
Vicki McMichael	22
Linda Oestry Richardson	15
Mary Stiffler	17
Zoltan Tomory	21

## MBG Press

Allison Brock	0
Deborah Carter	2
Victoria Hollowell	9
Barbara Mack	32
Beth Parada	2
Danny Sorth	4
Sharon Strickland	5

## William L. Brown Center

Barbara Alongi	4
Wendy Applequist	7
Ruth Bizoff	8
Rainer Bussmann	0
Martin Callmänder	2
Bee Gunn	4
Karen Meyer	0
Bruce Ponman	4
Armand Randrianasolo	9
Alyse Rothrock	0
Margaret Salick	7
Andrew Townesmith	2

## Retail Operations

Jan Simons	5
<i>Vice President</i>	

## Garden Gate Shop

Abena Ampofo	1
Carlos Braggs	1
Brittney Brandon	1
Angela Fattore	0
Susan Ferrigno	1
Megan Harper	1
Alzana Jakupovic	3
Diana Kathrinus	4
Christine Kennedy	2
Mary Krupnik	3
Jennifer Kuykendall	7
Amber Leighton	2
Gwendolyn Luhm	1
Tim Mize	2
Jasmun Moorehead	0
Barbara Munger	0
Rose Ossenfort	7

Sheena Petty	1
Benjamin Sandstrom	0
Mitzi Streeter	6
Thomas Watson	0
Andrew Weusthoff	1
Heather Woodside	1

## Little Shop Around the Corner

Mark Currington	4
Jacqueline Thieme	3

## Visitor Services

Tia Adkins	2
Cissy Bahn	1
Robert Bailey	1
Donald Bowolak	1
Randall Drake	1
Maria Guibardo	0
Evelyn Hunt	4
Diane Kainz	1
Eleanor LaVigne	0
Sylvia Long	0
Kathleen McGuire	0
Leslie Mitchell Jackson	1
Marjorie Munson	0
Alice Ransom	1
Alana Resto-Jackson	1
Thomas Waltz	1
Michael Wilkerson	1
Samantha Zale	1

## Shaw Nature Reserve

John Behrer	29
<i>Director</i>	
Glenn Beffa	26
Terri Brandt	12
Matthew Broderick	14
Jessica Brown	7
Karen Bryan	5
Robert Bryan	0
Gregory Caldwell	7
Diane Donovan	2
Melissa Dragich	0
Judith Hunt	5
Josephine Jacobsmeyer	2
Helen McCallie	11
Jerry Pemberton	4
Besa Schweitzer	4
Timothy Slape	1
Jeffrey Smith	21
Robert Stokes	4
Dennis Thurman	2
Lydia Toth	21
James Trager	17
Casey Trumbo	0
Barbara Troutman	14
Scott Woodbury	16





40  
years

Volunteer Service Appreciation

20  
years

30  
years

# Our Volunteers

*The Garden is grateful to our 1,529 volunteers who donated over 125,535 person-hours in 2007.*

Gail Abbott  
 Karla Abel  
 Peggy Abel  
 Geraldine Abeln  
 Pam Ackerman  
 Eva-Maria Adams  
 Lee Adams  
 Marilyn Dale Adams  
 Patricia Adams  
 Mickelle Adkins  
 Sandra Aebel  
 Jo Aerne  
 Carol Agatstein  
 Alea Ahmadian  
 Marilyn Ainsworth  
 Dale G. Albers  
 Dan Albes  
 Betsy Alexander  
 Dottie Alexander  
 Lee Ann Alexander  
 Bonnie Kay Alinder  
 Zuhra Alisic  
 Kathleen Allen  
 Ginger Allington  
 Amal Al-Lozi  
 Elizabeth Alseth  
 Barbara Altenbernd  
 Gloria Altepeter  
 John J. Altman  
 Cornelius Alwood  
 Melissa An  
 Mary Jo Anderson  
 Rachel Anderson  
 Silvio Angeli  
 Lena Annis  
 Toni Ansboro  
 Ronda Anson  
 Carole Anthony  
 Shirley Anton  
 Carol Appelbaum  
 Jack Applebaum  
 Laura April  
 Sarah April  
 Wendy April

Susan Arb  
 Chyrlé Arens  
 Dr. Roy Arindam  
 Rosemary Armbruster  
 Cathy Arnold  
 Joann Arpiani  
 Pauline Ashton  
 Ted Atwood  
 Kelley Austin  
 Lyndell M Bade  
 Elaine Baden  
 Albert Baeyen  
 Charlotte Baeyen  
 Edward Bahr  
 Bonnie Bales  
 Jacqueline Bainter  
 Erica Ballard  
 Ed Banashke  
 Somalee Banerjee  
 Kay Banks  
 Elaine K. Bante  
 Charlie Barbaglia  
 Gail Barclay  
 Mary Bard  
 Shirley Bardenheier  
 Robert T. Barnicle  
 Barb Barr  
 Tim Barrier  
 Michelle Barron  
 Bridget Barry  
 Katie Barry  
 Nancy A. Barry  
 Suzann Barry  
 Uah Bartmess  
 Anthony Bassett  
 Woody Bassman  
 Lois Batchelder  
 Lindsey Bauer  
 Margaret R. Bauer  
 Shirley Bauer  
 Becky B. Baxa  
 Louise Bazetta  
 Terry Beachy  
 Tess Beall

Sonia Beard  
 Audrey Beatty  
 Milissa M. Beaty  
 Holly Beck  
 Jean Beck  
 Brittany Becker  
 Helena Bedalli  
 Almaretta Bedford  
 Janie Bedwell  
 Timothy F. Beetley  
 Angie Behrms  
 Emil E. Beier  
 Kathy Beine  
 Nancy Bell  
 Emily Bendet  
 Barb Benetin  
 Anita Bennett  
 Leah Benson  
 Gail Bergeron  
 Lawrence H. Berglund  
 Sally Berglund  
 Sarah Berglund  
 Marie Bergmann  
 Nancy Bergmann  
 John R. Berkery  
 Allison Berry  
 Carol Bery  
 Patricia Beuckman  
 Luanne Beumer  
 Cecelia Beyer  
 Dosi Bibbs  
 Gerry Bickel  
 Shannon Bielicke  
 Adrienne Biesterfeldt  
 Paul Biesterfeldt  
 Alyssa Bilyeu  
 Edith Binder  
 Anne Bishop  
 Gerald Blanke  
 Suzanne Blanke  
 Paulette Bliss  
 Nichole Blume  
 Francine Boillat  
 Althea Bolden

Linda Bolhofner  
 Judy Bolian  
 Anne M. Bond  
 Will Bonfiglio  
 Wauneta Booth  
 Marge Bornhauser  
 Jane Bosché  
 Diana Bose  
 Kathy Bosin  
 Lucyann Boston  
 Ima Bote  
 Karen Bouma  
 Trish Bourgeois  
 Ann Bowen  
 Leanne Bowen  
 Deborah Bowling  
 Thomas Bowman  
 Mark A. Boyer  
 Patrick Brandon  
 Bettie Branson  
 Patricia Branson  
 Laura Branstetter  
 Elaine M. Brauch  
 Marilyn Bray  
 Carol Breckenridge  
 Jack Breier  
 Dan Brennan  
 Nancy Bridwell  
 Marion Briesacher  
 Lois Brinkmeyer  
 Chip Bronsky  
 John Brooks  
 Alyssa Brown  
 Carla Brown  
 Lyle Brown  
 Marian Brown  
 Sharon Brown  
 Mary Bruce  
 Diane Brueckman  
 Barbara A. Brueggemann  
 Lynn Buchanan  
 Sharon Buchanan  
 Marsha Buck  
 Sujata Buck

Janet Buehrig  
 Ann Buhr  
 Minette Buhr  
 Kathy Bumberry  
 Meghan Bumberry  
 Aileen Bunton  
 Sharon Burgeois  
 Peggy Burkhardt  
 Becky Burns  
 Evelyn Burns  
 Peggy Burris  
 Jerome Buterin  
 Susan Butler  
 Amy Butz  
 Bob Byrne  
 Jenna Cabler  
 Lynda Cain  
 Esther Calcaterra  
 Loretta Calcaterra  
 John Caldwell  
 Gail Cammarata  
 Wally Cammarata  
 Marsha Canfield  
 Nuala Caomhanach  
 Cindy Capatosta  
 Ruth Carapella  
 Jeanne Carbone  
 Jack Carl  
 Mary A. Carmody  
 Marcia Carpenter  
 Sally Carpenter  
 Ann Smith Carr  
 Eileen Carr  
 Andrea Carron  
 Katie Carter  
 Lee Cartwright  
 Nick Caruso  
 Andrea Casamento  
 Anita Casamento  
 Francesc Casas  
 Ann Case  
 Bob Case  
 William Castillo  
 Jerry Castillon

Linda Castillon  
 Nanka Castulik  
 Hзли Ceja  
 Veronica Ceja  
 Susan Chaires  
 Dennis Chambers  
 Peggy Chandler  
 Tammy L.  
 Chaplin-Batha  
 Mary Chapman  
 Cathy Chen  
 Connie Chen  
 Raymond Chen  
 Stephanie Chen  
 Charlene Ann Cheney  
 Tracy Cheung  
 Lynda Cain  
 Marilyn Chryst  
 Alberta Chulick  
 Loretta Claes  
 Marilyn Claggett  
 Monica Clapper  
 Leslie Clark  
 Nancy Clark  
 Ruth Clark  
 Sam Clark  
 Walter Clark  
 Patty Clarke  
 Miton Clayborn  
 Rebecca Clegg  
 Sylvia Clobes  
 Lois Cobleigh  
 Julie Coghlan  
 Diana R. Cohn  
 Sally Cohn  
 Alison Cole  
 Karen Collins  
 Lilian Collins  
 Sean Collins  
 Dick Cone  
 Shannon Connelly  
 Sophie Connor  
 Ruth Conway  
 Martha P. Conzelman



Ricky Cook Peterson	Michael Donovan	Kathleen Feher	Hera Gerber	Emery Harmon	Lynn Holler
Rosalie Cooper	Patti Donovan	Steve Feiner	John M. Gergel	Judith Harmon	Norma Holler
Rebecca Coppins	Marion Dorffi	Karlene Feldker	Joanna Gerst	Bobbie Harrington	Pat Holt
Anne Cori	Suzanne Dorris	Paul Feldker	Martha Gersten	Dorothy Harris	Roxane Holtzman
Cynthia Corley Crapsey	Krystal Dorsey	Debbie Fellenz	Robyn Gettemeyer	Jack H. Harris	Becky Homan
Marjorie S. Courtney	Radhika Doshi	James A. Fellhauer	Dina Semanti Ghosh	Cynthia Harrison	James Honeywell
Polly Coxie	Marge Dougherty	Kathleen Ferrell	Rosemary H. Gidionsen	Nancy Hart	Marvin Hook
Andrea Craig	Sharon Dougherty	Natalie Feste	Gary Giessow	Monica Hartenstine	Brice Hopler
Donna Crain	Jerry H. Douglas	Sue Fields	Carolyn Gildehaus	Gary Hartman	Judy Horan
Bruce Cramer	Thom Downey	Abigail Filippello	Carol Ginder	Ken Hartsell	Jim Horn
Joan Crane	Janice Dozier	Sydney Finan	Barb Gist	Ruth Hartsell	Norma Horn
Colleen Crank	Edna Drackert*	Linda Finerty	Harold Glad	Barbara Haselhorst	Lynne Hornberger
Ruth Ann Cranston	James Drey	Glenda Finnie	Janet Glamer	Pamela Hass	Virginia Horrell
Ed Creek	Joyce Driemeyer	Josephine Fischer	Mil Glaser	Margaret Hasse	Maureen Horst
Lisa Cribbs	Patrick Driscoll	Arden Fisher	Jane Gleason	Arnold Haumesser	Anne Rankin Horton
Lois Cromwell	J. Eric Driskill	Marie Fisher	Charlotte Godat	Kimberly Hause	David Horton
Cindy Cross	Sherry Droste	Nora Fitzgerald	Judith Goedeker	Melanie Hayim	Virginia Hrevus
Doug Cross	Ellen Dubinsky	Patricia Fitzgerald	Irene Goldman	Diana Haynes	Shonta Hubbard
Lorrie Crossett	N. Diane DuBois	Teresa Flanagan	Diane Gordon	Richard Haynes	Melanie Huch
Jean Crowder	Judy Duda	Julian B. Fleischman	Dot Gornley	Judy M. Headley	Alex Hughes
Kevin Cui	Kathleen Dudley	Elaine Flieg	Gordon Gosh	Mary Etta Heggie	Nyla Hughes
Michelle Cullum	Loyd M. Duering	Carol Flood	Constance Goss	Lynn Heidenreich	Tatum Hughes
Mary Jo Cummins	Berta Dulle	Barbara Floom	Josephine Gothberg	Elliott Heigert	Laure Hullverson
Holly Currier	Henry Dunger	Katherine Fluhr	Jan Gowen	Patty Heim	Linda Hultgren
Marie Cuttler	Sarah Dunn	Joanne Fogarty	Alan Graham	Lily Heineman	Barbara Huning
Marcelline Dairaghi	Shirley Durfee	Frank Foley	Shirley Graham	Linda Heinicke	Charmaine Hutchings
Jo M. Dalton	Jennifer Dykeman	Catherine Forsyth	Nada Granberry	Mary Heitert	Ellen Irons
Carl Darigo	Don Dylewski	Pamela Fournier	Valerie P. Granberry	Walter L. Heitmann	Robert Irwin
Dolly Darigo	Annie E	Natalie Fouts	Mary Beth Granger	Jane Helbig	Alfred Jackson
Srikar Darsi	Elizabeth Eakright	Rebecca Fouts	Anne Grant	Maureen Helfers	Jim Jackson
Joy Das	Ann Earley	Dwight Fowler	Bill Grant	Marilyn Heller	Maggie Jackson
Christopher David	Karen Easley	Jennifer Fowler	Carol Gravens	Ruth Hellstern	Leonard Jacobs
Daugherty	Leo Ebel	Melisse Fowler	Daniel L. Gravens	Patricia Hemann	Don Jacobsmeyer
Deanna Davis	Patricia M. Eckel	Cheryl Fox	Tasheka Graves	William Hemberger	Russ Jacobsmeyer
Douetta Davis	Angie Eckert	Don Frank	Greg Gray	Katelyn Hendrickson	Marie Jaeger
James L. Davis	Dan Eckert	Joanie Frank	Rick Gray	Renee Hennekes	Marika Jakubovska
Linda Davis	Jack Edelman	Connie Frankovich	Victoria S. Gray-	Janis Henricks	Peter James
Rachelle Davis	Sally A. Edmiston	Frank A. Frawley	Questell	John Hensley	Eleanor Janson
Stephanie Davis	Ian Edwards	Joseph Frazzetta	Dennis Green	Linda Hensley	Barbara J. Jarman
Veranda Davis-Lee	Karla Edwards	Carmen Freeman	Elisabeth Green	Rosemary Hensley	Gene Jarvis
Bill Davit	Treadina Edwards	Phyllis Fresta	Mona Green	Irene R. Hercules	LaVerne Jaudes
Joyce Davit	Dan Egan	Alda Fridley	Sharon Greenberg	Thomas Herm	Pauline Jaworski
Wallace Dawson	Charlotte Ehlenbeck	Anne Frohman	Marty Greer	Jan Hermann	Iam Jawson
Nadine Day	Lauren Eichaker	Sarah Frueh	Marlena Gregory	Jennifer Hermes	Maud Jeanty
Carole Dean	Barbara Eiler	Ashley Frye	Verna Gremaud	Marian Herr	Armella Jenkins
Roberta Dearing	Carolynn Eiler	Freda Fuchs	Colleen Grib	Lise Herren	Donna Jensen
Gene DeBolt	Ashley Elliott	Jerry Fugate	Laura E. Griesedieck	Cathy Hey	Anita Joggerst
Natalie DeCarlo	Jessica Elliott	Lorraine Fugate	Albert Grimm	Harriet Hezel	Barbara Johnson
John Dedeke	Joan Elliott	Helen Fuller	Kristina Grimm	George Hibbard	Barbara Johnson
Brittany Dehesa	Linsey Elliott	Richoun Fuller	Virginia Grimm	Jamie Higgins	Paul Johnson
Xavier Delannay	Eleanor Ellis	Kathy Fullerton	Mary Grossman	Phyllis Higgins	Sara Johnson
Joan Dellbringge	Sondra Ellis	Sarah Fullerton	Susan Grossman	Priya Higgins	Tyler Johnson
Skippy Dennis	Diane Ely	Lauren Furbush	Michelle Grove	Michelle C. Hill	Doris Johnston
Edna Dependahl	Diane Engelsdorfer	Savannah Furman	Betty Guarraia	Joyce Hillebrand	Rick Johnston
Margot Dersham	Sheldon Enger	Gina Fusco	Bernice Guerke	Helen Hilliker	Ruth Jonas
Liz DeSimone	Lee E. Erickson	Kathy Gadberry	Ann B. Gulick	Barb Hilton	Christy Jones
Robin DeTurk	Dorothy Ernst	Anrico Gaddy	Frances Guy	Albert Hirson	Ellen Jones
Suzanne Deutschmann	Joan Ettman	Florence Gaffney	Susan Hackney	Rita Hirson	Patricia Jones
Bart Devoti	Judy Evans	Paulie Gaioni	Rick Haeseler	Emily Ho	Nicole Jordan
Danielle DeWoskin	Kali Evans	Sarika Gairola	Eileen Hahn	John Hock	Rosalind Jordan-
Anna DiCarlo	Marjorie Eversman	Martha Gallagher	Joyce Halcomb	Sarah Hock	Hamilton
Evie Dickerman	Dale Ewalt	John Garner	Gregory Hall	Eleanor E. Hodges	Angeline Jovanovic
Lisa Dieckhaus	Kristen Faddis	Katie Garner	Margaret Hallas	James R. Hoefener	Pat Jovanovic
Jessica Dillender	Melanie Fagerlin	Lucie Garnett	Jane Haller	Florence Hoey	Christine Joyce
Diana Dizon	Maureen Fallwell	Carol Gaskin	Karen Haller	Sheila Hoffmeister	Audrey Juergens
Sally Dobrunz	Dale Farris	Betsy Gee	Esley Hamilton	Mary Ann Hogan	Janet Jump
Irene Dodson	Katie Farris	Valerie Geile	Mary Hammer	Dorothy Hohenberger	Marie Juras
Sean Dolby	Melanie Fathman	Valerie Geile	Mary Hammer	Marilyn Hohner	Peggy Kachulis
Marjorie Domeier	Eugene Fauerbach	Nancy Gelb	Teresita Hampton	Beth Holbrooke	Rosemarie Kaemmerlen
Gloria Donahue	Diane B. Faupel	Susan Gelman	Riyad Haq	Nancy Holdcraft	Jane Kahn
Carol Donelan	Robert Faupel	Richard George	Gwen Hardin	Richard Holdener	Beverly Kahney
Maureen Donnelly	Jasmine Fazzari	Cynthia Georges Orf	Thomas E. Hardy	Janice M Hollandsworth	Linda Kalicak



# Our Volunteers

*continued*

Pamela Kalkbrenner	Becky Kridel	Kathleen Luepke	Sandy Meyer	Bob Neu	Derek Payne
Donald Kaminski	Fran Kroeger	Patricia Lynn	William Meyer	Elizabeth Neuner	Shirley Pearlstone
Judy Kamler	Doris Kroupa	Donna Moeller	Claire Meyners	Jeanette Neuner	Ve'Necy Pearman- Green
Betty Kamman	Tianxin Ku	MacDonald	Shelly Micheal	Jon Newell	Sharon Pedersen
Rose Marie Karius	Yvette Kurtz	Rosalyn Madden	Amy Miesner	Betsy Newman	Alexa Peetz
Gary Karpinski	Carol Kusterer	Silvia Madeo	Eric Miller	Evelyn Newman	Jack Peistrup
Jack Karty	Tiffany Kyer	Nadine Mahe	Janet Miller	John Newman, Jr.	Kay Pelikan
Janice Katambwa	Judy LaBarbera	Mohit Maheshwari	John Miller	Vicki Newton	Barbara Pellegrini
Beth Katzfey	Nancy LaBrier	Louis Malin	Stanley Miller	Julie Nicolai	Bonnie Pellegrini
Zandrea Kaye- Duchesneau	Deborah Ladd	Doris Malone	Trudy A. Miller	Janne Niemoeller	Mary Ann Pelot
Jim Kearney	Nicholas LaFoy	Donna Manco	Gloria Mills	Joyce Niewoehner	Briana Peppers
Karen Kearney	Margaret Lahrmann	Betty Manlin	Jacqueline Millstone	Ron Nimer	Jamie Perkins
Victoria Kearns	Bill Lambertson	Mary Ellen Mann	Terry Milne	John Nischwitz	Richard Perkins
Susan Keating	Bill Lampe	Virgil Mann	Maxine Mirowitz	Bob Noe	Allison Peters
Patty Keck	Paula Lampen	Dennis M. Mares	Alice Mitchell	Claudia R. Noe	Connie Peters
Rick Kedro	Joyce Landauer	Inez Mariani	Bernie Mitchell	Virginia Noe	Gary Peters
Nancy Keefer	Molly Landholt	Shirley Marino	Jacqueline Mitchell	Phyllis Noelken	Frank Peterson
Mary Keilty	Erica Lane	Kathy Marks-Peteti	Liza Mitchell	Marge Normile	Margaret Petruska
Terry L. Kelley	John Lane	Eleanora Markus	Jane Ellen Mitchell	Wayne North	Ann Phelan
Deborah Kelly	Marilyn Lane	Sandra Marler	Suzanne Moak	Mary Nottebrok	Bruce E. Phillips
Jean Kelly	Towenga Lane	Dorothy Martels	Carol C. Mock	Barbara Vanta Novak	Dorothy Phillips
Patrick Kemp	Janet Lange	Larry Marten	Richard Mock	Justine Novak	Margaret A. Phillips
Sonya Jo Kendrick	Bonnie Langston	Carolee Martin	Jeannie A. Moe	Jeanne Nowicke	Lauren Phipps
Ben Kennedy	Debra Lanter	Sarah E. Martin	Peggy Moehlenbrock	Mary Jo Nowobilski	Joi Pickett
David Kennedy	Ann Larson	S. Edna Martini	Jorge Molina	Ina H. Nuderscher	Phyllis Pieper
Jason Kenney	Arnold F. Larson	Jim Massey	Francine Moloney	Anne Nugent	Diane Pikaard
Tara Kerby	Donovan Larson	Betty Mathes	Karen Smead Mondale	Marcia Nusz	Susan Pinker-Dodd
Madelynn Kester	Eleanor Larson	Audrey Mathews	Teresa Montgomery	Joyce Oberle	Robert Pinkowski
Deborah Kettler	Virginia Laschober	Kay Mattingly	Tim Montgomery	Alison O'Brien	Madeline Pisani
Pat Killian	Elizabeth Lavelle	Judith Maune	Joanne Monti	Barbara O'Brien	Alice Poertner
Ronald King	Jon Lawrence	Susan Maurer	Cherie Moody	Emma O'Brien	Ellen Poniewaz
Ruth King	Barbara Perry Lawton	Maryellen May	Martha Moore	Pat O'Brien	Ray Poninski
Don Kinsey	Virginia Lay	Dorothy Mayes	Tia Moore	Tom Ochsner	Kim Pope
George M. Kinsey	Garrett Leahy	Elizabeth Mayes	Janet Moran	Sue Oertli	Rhonda Porche-Sorbet
Nancy Kinsey	Anna Leavey	Peggy McCalpin	Sami Morley	Ronald Oesch	Kate Poss
Polly Kinslowe	Iris C. Lee	Lavonne McClain	Isabelle Morris	Jean Ohmer	Horatio Potter
Nancy Kirchoff	Jerry K. Lehman	Jan McClenahan	Sean E. Morris	Sandy Oliver	Lori Powell
Ray Kirkman	Barbara Lehmier	Ginny McCook	Jim Morris	Ken Olsen	Steve Pozaric
Anne Kirkpatrick	Pat Leigh	Sue McCool	Julia Morris	Sandy Olsen	Linda Pozza
Christine Kirmaier	Frances Leimkuehler	John McCormack	Karen R. Morris	Donna Olson	Stephanie Prade
Mary Jane Kirtz	Betty LeMatty	Delores McCre	Larry Morrison	Mary Alice O'Neill	Brooke Presley
Lynn Kiske	Don Lemp	Kevin McDermott	Judy Morrow	Berni Oppelt	Barbara Prow
Jeanne Klebusch	Janet Lemp	Kevin McDevitt	Judy Moskoff	Anne Orcutt	Shirley Puricelli
Karl J. Kleekamp	Carol Lentz	Jeffrey McEuen	Eva Moutrie	Eleni Orf	Simon Pursifull
Pat Klimushyn	William Lenz, Jr.	Sharon McFarland	Bob Muervic	Dan Orlet	Vickie Pursifull
Mary C. Kloeckner	Jean Leonhardt	Annette McGarahan	Brian Mueller	Anne V. Orth	Elizabeth Qin
Pat Kloster	Maya Lerch	Sue McGary	Tara Mulder	Fred Ortlip	Ellen Quain
Peggy Knippel	Mike Lerch	Alberta McGilligan	John P. Muller	Leroy F. Ortmeier	Kaye Quentin
Karen Koehneman	Richard LeSage	Jeanne McGilligan	Elonda Munro	Cathy Osborn	Sue Quirk
Lynn Koeneman	Marilyn Leutwiler	Dolores J. McGuire	Ashwath Murali	Tom Oschner	Jean Racowsky
Diane Kohl	Katie Levin	Patricia McIntosh	Elizabeth Murney	Barbara Ottolini	Joan Radcliffe
Pat Kohler	Audrey Levit	Gary McKendry	Anna Murphy	Elisabeth Ottolini	Cheryl Rafert
Barbara Kohl-Finbloom	Steve Levit	Sage McKinley	Gale Murphy	David Overall	Anne Ragland
Irene Kohm	Jason Liang	John McLain	Joan Murphy	Jerry Overman	Sonya Ragsdale
John Kolar	Jean Liang	Laurel McMindes	Laura Murphy	Nita Pace	Dolores Rahn
Dub Koon	Brittany Liedke	Sue McNamara	Rosemary Murphy	Torbin Pace	Bernice Raineri
Margi Koors	Melinda Ligon	Alexandra McNett	Barbara Mutz	Joe Page	Charlie Raiser
Alec Koppel	Leslie Lihou	Elmer McNulty	Cindy Myer	Esther Pahl	Sue Rakel
Alice L. Koritta	Leslie Limberg	Patrick McNulty	Thomas Nadelin	Sue Palmer	Lois Raley
Robert Kornblum	Judy Lincoln	Don McQueen	Carol Naeger	Richard J. Pandorf	Carolina Ramos
Sheila Korte	Steven J. Linfood	Susan Daniels McQueen	Charles Naeger	Mary Lee Pankoff	Suzanne Ramsey- Haubein
Cameron Kosuta	Claire Linzee	Martin Meagher	Lisa Nansteel	Shirley Parisi	Joe W. Randolph
Jim Kottmeier	Connie Lippert	Vaughn E. Meister	Deanna Nash	Brendolyn Parker	Mary Ann Randolph
Nadine Kouba	Rachel Lissner	Scott Melenbrink	Margaret Nathe	Jen Parker	Sandra Raney
LaVerne Koyn	Beverly Logan	Albert Melman	Nick Natoli	Jodeci Parker	Anjum Rangwala
Bob Kozierek	Freda Lohr	Angela Menard	Arlene Nazzoli	Nancy Parker	Sue Rapp
Jessica Krafcik	Janis Londe	Patty Mendicino	Alex Neal	Holly Parks	Terry Rassieur
Elizabeth Kramer	Mary Longrais	Mary Mertz	Mary Neher	Farnell Parsons	Abby Ratchford
Mary Jane Kranz	Sabrina Loudon	Susan Metheny	Mary Ellen Neilson	Jo-Ann Partin	Fred A. Rauch
JoAnn Kresko	Jennifer Loyet-Schamber	Jeanne Meurer	Barbara Nell	Sidney Patterson	Barbara Rauth
Michelle Kreter	Mickey Luberd	Betty Meyer	Gerald Nell	Debbie Paul	
	Frank Luechtefeld	Laura Meyer	R. Spence Nelson	Peggy Pautler	



JoAnn Rawson	Jeff Salvage	Madelyn Sheprow	Linda Strunk	Darla Urbina	Joan Williams
Anita Rayfield	Andrew Sanchez	Sandra Sher	Melinda Stucke	Marianne Vahlkamp	Mike Williams
Holly S. Records	Sarah Sanchez	Sheila Sherman	Teresa Stutes	Shirley Valentino	Nancy Williams
Lola Reed	Patricia Sanders	Ruth Sherwin	Jodi Sudin	Dea Vallina	Patrick Williams
Gary Reidel	Sarah Sanders	Jackie Shillington	Mary Pat Sullivan	Robert Vander Linden	Rose Williams
David Reindl	Mellanie D. Sandfort	Earl Shreckengast	William Sun	Matt Venker	Samyra Williams
John Reiner	Louise Sandler	Craig Sickel	Midge Supp-Feldmann	Kathy Vesom	Alma Willis
Elizabeth Reinsch	Beth Sankey	Rosalie J. Siefke	Elizabeth Leah Surmeier	Hana Videen	Carolyn Willmore
Sue Reisel	Barb Sansone	Diane Siegel	Mary Ann Swaine	Joe Vila	Diana Willson
Alma Reitz	Caroline Sant	Ned Siegel	Barbara Swanson	Mary Carol Voelker	Carol Wilson
Allison Repking	Anastasia Sauria	Robert Siemer	Judy Sweeney	Robert M. Voelker	Joyce Wilson
Karol Retana	Nancy Sauerhoff	Evelyn Siewert	Gail Swick-Meeks	Carole Vohsen	Lois Winchell
Frank Reynard	Ellen Sayers	Roy Siewert	Audrey Swinford	Debbi Voss	Patricia Winkelmann
Lynn Reyner	Michael Schade	Stephanie Sigala	Carol Swink	Bob Waeltermann	Johann G. Winkler
Cyndy D. Reynolds	Jan Schaeffer	Margaret Silver	Suzanne Switzer	Helen Walck	Margaret Wintner
Mary Beth Reynolds	Judy Schaljo	Barbara Simon	Mary E. Syron	Patricia A. Waling	Sarah V. Winter
Barbara Rezny	Mike Schaller	Tatsiana Simon	Donald Swaboo	Donna Walker	Liz Winters
Becky Rhodes	Richard Schanbacher	Kathy L. Simons	Warren Tabachik	Leigh Walker	Betty Withrow
Mary Rich	Rhonda Schaper	Joyce Simpkins	Patricia Taillon-Miller	Liz Walker	Susan Wittbracht
Tom Rich	Kim Scharff	Paul Simpkins	Anthony Tainter	Leslie P. Wallace	Cindy Wizeman
Bernadine Richard	Jacquie Scharlott	Irma Sissin	Daniel Talonn	Nancy Wallace	David Wolfersberger
Lucian Richards	Norma Bonham	Joanna Skwiot	Nathan Tan	Elizabeth Wallis	Carolyn Wolff
Lisa Rieman	Schechter	Wendy Slaby	Michelle Tang	Jerold Wallis	Doug Wolter
Gail Riesenmy	Bonnie Schell	Lynn Slackman	Ann Tansey	Huber Walsh	Katherine Wong
Laura Riganti	Carrie Anne Scherr	Laurie Sle Kirk	Jennifer Tappenden	Shirley Walsh	Kathleen Wood
David Riley	Nancy Schikore	Sue Slivka	Deanna Tatum	James Wang	Anne Woodhouse
Melanie Riley	Jerome Schiller	Mary Smidt	Liz Teasdale	John Wang	Martha Woodward
Melissa Riley	Betty Schilling	Adante Smith	Richard Telman	Sharon Ward	Elizabeth Worley
Janet Ringe-Day	Joseph P. Schiwinger	Betty Smith	James Teng	Marti Warhurst	Erin Wray
Heather Riske	Virginia Schiwinger	Joan F. Smith	Harold G. Tennyson	Wallis Warren	John Wright*
Fredric Rissover	Ron Schlappizzi	Kathy Smith	Emily Thaisrivongs	Katherine Waselkov	Marian Wuest
Heather Ritchie	Charles Schmidt	Kyle Smith	Beverly Thiele	Norbert Wasleski	Christy Wyatt
Beth Roberts	Chris Schmidt	Rose Marie Smith	Heather Thieme	Richard Watson	Boyang Xiao
Dani Roberts	Christine A. Schmidt	Jenna Smyth	Jeanne Thoma	Judy Watters	Kristy (Zhimeng) Yang
Helen Robinson	Sarah Schmidt	Linda Snider	Jan Thomas	Linda Waugh	Charles Yates
Ann R. Robison	Beverly Schmitt	Jules Snitzer	Jane Thomas*	Margaret A. Wayne	Anita K. Yeager
Linda Robson	Michelle Schmitt	John M. Snodgrass	Jo Ann Thomas	Robert Weaver	Bob Yeats
Norman Roder	John Schmitz	Bill Snyder	Linda Thomas	Katherine Webb	Judi Yemm
Priscilla Rodriguez	Marie Schmitz	Richard Sokol	Nancy Thompson	Lauren Weber	Wendy You
Sandy Rogers	Charlotte Schneider	John Solodar	Steve Thompson	Phyllis Weber	Jim Young
Susan Rogers	Lois Schoech	Nancy Solodar	Robert Thornberry	Anne Weidmann	Kathy Young
Herb Rogul	Joyce E. Schoeneberg	Rosemary Spidler	George Thornburgh	Janice Weil	Richard Young
Zelda Rogul	Larry Schoeneshoefer	Barbara Springer	Anna M. Thornhill	Paul Weiland	Nancy Zander
Christine Rohloff	Sue Schoening	Van D. Spurgeon	Laverne Thurmond	Ginger Weinell	Richard H. Zander
Lahoma Rohrer	Paul E. Schorr	Carol Squires	Suzanne Tiefenbrun	Robert Weinman	Horst Zekert
Stacy Rolfe	Mary Schrader	Linda C. Stalling	Christine Tiffin	Irene Weisenhorn	Nathan Zenser
Rose Rosen	Arline R. Schramm	Glee Stanley	Laura Tiffin	Sharon A. Weissmann	Donna Zerega
Jean Rosenfeld	Todd W. Schroeder	Jan Stark	Megan Timpe	Carol Wellman	Andrew Zhang
Vickie Rosenkoetter	Hale Schroer	Louis Stark	Audrey Ting	Linn Wells	Tony Zhang
Allan Rossel	Jill Schroer	Martha Suzanne Stark	Scott Tjaden	Rickey Wells	Leon Zickrick
Carol Rossel	Jim Schuck	Penny Steffen	Ann Tobben	Premanjane Weltmer	William Ziegenbein
Faye Roth	Ann Schuette	Lucinda Stein	Charlie Toben	Patricia Wemhoener	Amanda Zinser
Rhett Rucker	Christopher Schulte	Donna Steinhoff	Betty Tonneas	Betsy Wendell	Annie Zuo
JoAnn Rull	Scott Schulte	George Steinmetz	Terrie Tonneas	Mary Clair Wenger	Anthony Zuo
Donald Rumer	Susie Schulte	Jill Stelzer	Marlene Toth	Christine Werner	
Mary Rummy	Charlie Schulz	Alan Stentz	Lila Traeger	Marion Werner	
Gene Rush	Pat Schutte	Mary G. Stephan	Paul D. Travers	Kenneth R. Wheat	* deceased
Marsha Rusnack	William Schwab	Earlene Stephens	Jennifer Travis	Susan White	
Richard Russell	Rebecca Scott*	John Stephens	Joan Troeh	David White, Jr.	
Susan Russell	John Schwendeman	Emily Stephenson	Jane Tschudy	Suzanne Whitman	
Judy Rustige	William Sedlock	Nora Stern	Marlene Tucholski	Linda Whitten	
Stephen Rutherford	Rosalie M. Seemann	Ron Stevens	Jack Tucker	Edward Widmer	
Don Ryan	Nancy Seifer	Mildred Stewart	Madeleine Tufis	Carl Wienold	
Lucy Ryan	Emmett J. Senn, Jr.	Joy Stinger	Erika Tung	Wilma Wienold	
Samantha Sabol	Mary E. Serbi	Maxine Stone	Larry Turner	Lauren Wightman	
David Sacks	Mary Seright	Agnes Strassner	Marjorie Gwynn Turner	Pam Wilcox	
Brian Sadlo	Helen Serotte	Stewart Strassner	Jean Turney	Robyn Wilkerson	
Malikia Saffore	Bonnie Severns	Laura M. Streett	Sara Turnquist	Tobi Wilkins	
Jane Saghir	Pam Seyer	Cathie Stricker	Ann Tuxbury	Jean Wilkinson	
Linda Saligman	Lynda Sharpe	Cynthia Strickland	James H. Tuxbury	Jesse Wilks	
Betty Salih	James Shelton	Betty Struckhoff	Candace Ulrich	Nancy Willard	
Rebecca Saltzman	Jordan Shelton	Suzanne Struempf	Melissa Um	Caitlin Williams	





> Henry Shaw Medals 07

Awarded since 1893 and named for the Garden's founder, the Henry Shaw Medal honors those who have made a significant contribution to the Missouri Botanical Garden, botanical research, horticulture, conservation, or the museum community. In 2007, the Garden honored two individuals:

**Evelyn E. Newman**

A visionary philanthropist, Evelyn helped found the Sophia M. Sachs Butterfly House. Her endless creativity has sparked the founding of other nonprofits and fundraisers, including: Forest Park Forever, Gypsy Caravan, the ScholarShop, Greater St. Louis Book Fair, and the Little Shop Around the Corner.

**Jack Jennings**

Volunteer photographer for over 30 years since he retired from McDonnell Douglas, Jack founded the beloved Missouri Botanical Garden wall calendar in 1981. The 2008 calendar marks Jack's second retirement.

## Zoo-Museum District Commissioners

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. The Commission 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 facilities and services.

- Frankie M. Freeman, *vice-chair*
- Donna G. Knight, *treasurer*
- Joyce L. Margulis
- Kay Marshall
- Adrienne Morgan, *chair*
- Robert A. Powell, *assistant secretary*
- Ben Uchitelle
- David Weber
- J. Patrick Dougherty, *executive director*
- Sharon L. Wilcutt, *deputy director*

## Botanical Garden Subdistrict of the Metropolitan Zoological Park and Museum District

- Theresa Loveless, *secretary*
- H. C. Milford, *vice-chair*
- Robert H. Orchard
- Martin Schweig, *chair*
- Pamela Shephard
- Walter G. Stern
- Charles A. Stewart, Jr.
- Marjorie M. Weir, *treasurer*
- Roy Jerome Williams, Sr.
- Hillary B. Zimmerman

**Non-Voting Advisory Members**

- Willie J. Meadows
- Janice M. Nelson
- James H. Yemm

## The Members' Board



**Past Presidents** from left: Ellen Jones, Sue Oertli, Nora Stern, Ellen Dubinsky, Ann Bowen, Marsha Rusnack, Liz Teasdale, Mary Longrais, Nancy Sauerhoff, Isabelle Morris, Susie Schulte, Jane Tschudy, and Sue Rapp. Not pictured: Mary Ella Alfring.

Carol Squires,  
*President*  
Ted Atwood  
Terry Beachy  
M. Jane Beadles  
Ann L. Case  
Andrea Craig  
Suzanne Deutschmann  
Kathleen Dudley

Angie Eckert  
Linda Finerty  
Phyllis Fresta  
Susan Gelman  
Patty Heim  
Lise Herren  
Sheila Hoffmeister  
Patty Keck  
Nancy Keefer

Becky Kridel  
Paula Lampen  
Janet Lange  
Silvia Madeo  
Vickie Newton  
Terry Rassieur  
Joann Rull  
Mary Rummy  
Lucy Ryan

Linda Saligman  
Beth Sankey  
Joan Sheppard  
Anne Weidmann  
Doug Wolter

**Ex officio Members**  
Tower Grove House  
Auxiliary:  
Jean Crowder  
Tower Grove House  
Historical  
Committee:  
Marie Schmitz

**Garden Docents**  
Leslie Clark  
David Gravens





## Verrill Medal to Dr. Raven

The Peabody Museum of Natural History at Yale University awarded their highest honor, the Verrill Medal, to Garden president Dr. Peter Raven in 2007 for outstanding achievement in the natural sciences. Noted Harvard environmentalist Edward O. Wilson also received the award. Raven and Wilson received their awards on October 17 during a program they jointly presented at Yale titled, “The Future of Life on Earth.”

## World Ecology Award to Dr. Raven

This Whitney R. Harris World Ecology Center at the University of Missouri—St. Louis awarded the World Ecology Award to Garden president Dr. Peter Raven in 2007. The award recognizes an international figure for contributions to solving world environmental and ecology problems. Dr. Raven received the award for his work as a lead scientist and author on the United Nations Scientific Expert Group’s report on global warming.

## In Memoriam



**Liz Claiborne**  
1929–2007

Clothing designer Liz Claiborne died of complications from cancer on June 26, 2007. Ms. Claiborne was best known for her affordable, professional clothes for working women. When she retired from Liz Claiborne, Inc. in 1990, it was the largest women’s apparel company in the country, with \$1.4 billion in sales. Following her retirement, Ms. Claiborne and her husband Arthur Ortenberg, co-founder of Liz Claiborne, Inc., established a charitable foundation for the conservation of nature and the amelioration of human distress. The Liz Claiborne/Art Ortenberg Foundation funded several of the Missouri Botanical Garden’s science and conservation efforts, including botanical training programs for local people in Tanzania and Bolivia, scholarships for graduate students from Madagascar, and the Jatun Sacha preserve’s biodiversity garden in Ecuador, among other projects. In 1999, Ms. Claiborne and Mr. Ortenberg were awarded the Henry Shaw Medal for their extraordinary contributions to conservation and sustainability.



### Donor Profile: Carl and Carolyn Fichtel

What do astronomy and gardens have in common? Just ask retired NASA astrophysicist Carl Fichtel: “They both offer beauty and enhancement of knowledge through research!”

Originally from St. Louis, Carl received his Ph.D. from Washington University then headed east to the Goddard Space

Flight Center in Maryland. He retired in 1997 but has always remembered his roots: “My father had a tremendous interest in gardening, as did my mother and grandmother. I have many happy memories of visits to the Missouri Botanical Garden.”

Today, Carl is an avid gardener, growing daylilies, iris, azaleas, native plants, and dwarf evergreens. His wife Carolyn has a deep interest in photography, including that of gardens. Carolyn and Carl support the Missouri Botanical Garden in a variety of ways: they are family-level members, members of the Heritage Society, and have given two charitable gift annuities to the Garden. In the spring of 2007, they expanded their support to include a presence in the Garden—they named the North Victorian Border Garden.

If you’d like to find out more about how you can support the Garden, please call the Office of Institutional Advancement at (314) 577-9500.



# The Management Team



**Dr. Peter H. Raven**  
*President*  
(314) 577-9577  
peter.raven@mobot.org



**Robert J. Herleth**  
*Executive Vice President*  
(314) 577-9575  
robert.herleth@mobot.org



**John W. Behrer**  
*Director, Shaw Nature Reserve*  
(636) 451-3512  
john.behrer@mobot.org



**Chuck Miller**  
*Vice President, Information Technology  
and Chief Information Officer*  
(314) 577-9419  
chuck.miller@mobot.org



**Paul W. Brockmann**  
*Senior Vice President,  
General Services*  
(314) 577-5129  
paul.brockmann@mobot.org



**Olga Martha Montiel**  
*Vice President, Conservation  
and Sustainable Development*  
(314) 577-9412  
olgamartha.montiel@mobot.org



**Deborah Chollet Frank**  
*Vice President, Education*  
(314) 577-0279  
deborah.frank@mobot.org



**L. Joseph Norton**  
*Director, Butterfly House*  
(636) 530-0076 x11  
joe.norton@mobot.org



**James P. Cocos**  
*Vice President, Horticulture*  
(314) 577-9426  
jim.cocos@mobot.org



**Michael S. Olson**  
*Vice President, Financial Services  
and Controller*  
(314) 577-5160  
michael.olson@mobot.org



**Peggy Lents**  
*Senior Vice President,  
Communications*  
(314) 577-0245  
peggy.lents@mobot.org



**Jan Simons**  
*Vice President, Retail Services*  
(314) 577-9581  
jan.simons@mobot.org



**Dr. Robert E. Magill**  
*Senior Vice President, Research*  
(314) 577-5161  
bob.magill@mobot.org




**Sue L. Wilkerson**  
*Senior Vice President,  
Human Resource Management*  
(314) 577-5185  
sue.wilkerson@mobot.org



**Sharon Mertzlufft**  
*Senior Vice President,  
Institutional Advancement*  
(314) 577-9495  
sharon.mertzlufft@mobot.org





sustainability

The Missouri Botanical Garden strives to make the most sustainable choices for the future of people, plants, and the planet. This publication is printed on paper containing 100% post-consumer recycled content manufactured with wind power. We hope that you will recycle it when finished reading, or pass it along to a friend.

Editor: Elizabeth McNulty | Designer: Justin Visnesky | Cover Photo: Jack Jennings

Photography: Phil Berene, Dale Dufer, Carolyn Fichtel, Kristi Foster, Sarah Greene, Barry Hammel, Jack Jennings, Cindy Lancaster, Pete Lowry, Jennifer Meinhardt, Josh Monken, Brian Mueller, David Neill, Heather Marie Osborn, Jan Salick, Rodolfo Vásquez, Leslie Wallace, and Erin Whitson.

Climatron® is a registered servicemark of the Missouri Botanical Garden.  
The Missouri Botanical Garden is an Equal Opportunity Employer.

© 2008 Missouri Botanical Garden





MISSOURI BOTANICAL GARDEN

P.O. Box 299 • Saint Louis, Missouri 63110-0299 • [www.mobot.org](http://www.mobot.org)