NYBG/125

GARDEN NEWS FALL 2016-WINTER 2017

NEW YORK BOTANICAL GARDEN



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On the cover:

NYBG presents the 25th Annual *Holiday Train Show®* this year, on view from November 19 through January 16. In addition to a continued expansion of this not-to-be-missed holiday tradition, a newly published book commemorates this milestone event with dazzling full-page views of the entire spectacle, an illustrated checklist, and fascinating essays that explore the engineering of the tracks and bridges as well as notable featured trains. Please visit **nybg.org/hts** for more information and tickets.

President's Perspective



Dear Friends:

Every fall the Garden's beautiful landmark landscape is ablaze with vibrant colors, and the highlight of

this year's autumn spectacle is the newly expanded Judy and Michael Steinhardt Maple Collection. I hope you will visit often to admire the many new and rare cultivars of Japanese maple at the height of their seasonal brilliance amid our full schedule of exhibitions, lectures, and classes.

After an exciting spring and summer filled with celebrations of NYBG's 125th Anniversary, we are approaching the close of this milestone year with another exciting anniversary-the 25th Annual Holiday Train Show[®]. This beloved exhibition will be accompanied by a Poetry Walk featuring winter- and trained-themed poems by former U.S. and New York State Poet Laureate Billy Collins, recently named Poet Laureate of NYBG. He has written a special poem to commemorate the Garden's 125th Anniversary (see p. 23) and will be presenting a special poetry reading here on December 10. Please visit nybg.org for all of the details.

Thank you for your continued support of NYBG, whether as a visitor, volunteer, Member, or Patron, which helps to advance our mission around the world and around the corner. On October 27, we will break ground on the new Edible Academy, a state-of-theart facility that will become the hub of the children's vegetable gardening program and teach children, parents, and teachers how to grow fruits and vegetables, as well as make the important connections among plants, gardening, nutrition, and the benefits of a healthful lifestyle (see p. 4).

Although we paused briefly to mark our 125th year, we never stopped looking ahead to continue focusing our efforts, knowing that the future of NYBG has never been more promising and its responsibility in the world more critical.

pegon long

Gregory Long Chief Executive Officer The William C. Steere Sr. President



When completed, the Edible Academy, which expands the Ruth Rea Howell Family Garden, will revolutionize and enhance NYBG's garden-based educational programs and offer life-changing opportunities to children from the Bronx and Greater New York City.

2016 marks the 30th anniversary of the Ruth Rea Howell Family Garden and the 60th anniversary of the Children's Gardening Program. On October 27, 2016, The New York Botanical Garden will break ground on the next course, the Edible Academy, to serve new generations of the Garden's youngest and most impressionable visitors with opportunities to dig in and discover the wonder of growing their own delicious plants. Through generous donations from New York City, New York State, foundations, corporations, Board Members, private gifts, as well as our inaugural and successful Kickstarter campaign, the Edible Academy will offer enriching garden-based education programming to more than 100,000 schoolchildren, families, and teachers throughout the year. Our unique recipe, combining hands-on gardening with engaging lessons in cooking and preparing food with our freshly harvested organic plants, roots to fruits, forms a dynamic and effective nutrition education platform that is not only delicious, but also informs youngsters of where their food comes from and inspires a lifestyle of physical fitness and healthful eating.

Esteemed architecture firm Cooper Robertson was charged with designing the Edible Academy and created a beautiful campus that complements the surrounding landscape of our sunny perch along the eastern edge of the Thain Family Forest, directly above the Bronx River gorge, and adjacent to the new East Gate. The design calls for a striking building with a green roof and a retractable glass wall in the northwest corner of the campus, preserving the existing flat and sun-drenched space for growing plants. The building will feature two classrooms allowing for programming to extend into the winter season, as well as offering additional space for programming in the spring, summer, and fall. One classroom will include a demonstration kitchen and host cooking demonstrations throughout the year for schoolchildren and families. An additional classroom includes state-of-theart technology that will enable distance learning for school teachers as well as foster documentation of learning with audiovisual and digital equipment. This pairing will allow us to connect hands-dirty, garden-based education with the powerful tools of the 21st century, important elements of current education curricula that take advantage of the resources our cultural institution offers to our constituents, particularly in our urban setting that lacks significant green spaces.

The inclusion of the green roof and water reclamation technologies are two building practices that will not only aid in preventing stormwater from rushing into the Bronx River but will also inspire the next generation of our planet's stewards through a slate of new programming highlighting these features and exploring sustainability. A series of summer camps will offer STEM-based (Science, Technology, Engineering, and Math) learning modules investigating the green roof and water reclamation as well as geothermal heating and cooling technology, photovoltaic panel array on the South Pavilion, both of which will reduce our consumption of hydrocarbon derived energy, and composting toilets. Each module will pair the technologies with the natural systems and processes that inspired them, for example, the solar power unit will explore photosynthesis. The sustainability features will additionally combine to achieve LEED (Leadership in Energy and Environmental Design) Gold status for the project.

The Edible Academy plans call for a greenhouse to be located immediately to the north of our new entry plaza. The greenhouse will allow us to involve students in the propagation of seedlings during the late winter months and then into the growing season as well. A meadow of native grasses, wildflowers, and shrubs with winding paths will serve as a counterpoint to the organization of our vegetable beds as well as attract beneficial insects to pollinate our crops and predate pests. The paths of the meadow will also serve as a vector to connect the edible gardens with an amphitheater. The terraced lawn design, gently sloping down to a stage with a backdrop of the Thain Family Forest and Bronx River, will play host to lectures, performances, and cooking demonstrations for 350 guests. An exciting component of the Edible Academy will be new Display Gardens located in front of the historic European Hop hornbeam hedge. The gardens will be open for visitors to observe all day and include interpretation describing the techniques and strategies employed. The design calls for a combination of ornamental arrangements inspired by legendary English garden designer Rosemary Verey and the potager garden style as well as traditional rows featuring varieties of particular crop groups. A long-term crop rotation plan and companion planting techniques will promote a healthy garden.

The Groundbreaking marks an important moment in garden-based children's education at NYBG. This celebratory event will allow us an opportunity to reflect on our decadeslong tradition of providing urban children the chance to roll up their sleeves and take on the responsibility of growing their own gardens, recognize our current efforts to provide meaningful and engaging connections to today's relevant learning standards, and look forward to our mouthwatering plans to introduce a new menu of programs and platforms to serve the upcoming generations of NYBG's most impressionable visitors.

Edible Academy Donors

Leadership support for the Edible Academy is provided by:

The Mayor of New York City and the New York City Department of Cultural Affairs, the Speaker of the New York City Council and members of the Bronx Delegation of the New York City Council, New York State Assembly Speaker Carl E. Heastie and members of the Bronx Delegation of the State Assembly, and New York State Senator Jeffrey D. Klein

The Edible Academy and programs in the Ruth Rea Howell Family Garden are supported by: Mr. and Mrs. Coleman P. Burke, Larry E. Condon and John J. Hoffee, the Cleveland H. Dodge Foundation, Amy Goldman Fowler, Ph.D., Lillian Goldman Charitable Trust, Robert F. Gossett, Jr., the Institute of Museum and Library Services, Jill Joyce, Susan E. Lynch, Stavros Niarchos Foundation, Jill and Alan Rappaport Family, Mr. and Mrs. Charles M. Royce, Phyllis and Howard Schwartz Philanthropic Fund, Kate Solomon and David Wasserman, Wallace Genetic Foundation, Caroline A. Wamsler, Ph.D. and DeWayne N. Phillips, and one anonymous donor

Major Corporate support is provided by:

Chobani Foundation, Green Mountain Energy Sun $\mathsf{Club}^{\circledast},\mathsf{MetLife}$ Foundation, and Newman's Own Foundation

Additional Corporate support is provided by:

Adobe Foundation, Kitchen Aid®, The Norinchukin Foundation, and Whole Foods Market®





Summer 2016 Science Interns Thrive at NYBG

By Brian M. Boom, Ph.D., Vice President for Conservation Strategy Director, NYBG Press and Science Outreach Bassett Maguire Curator of Botany



2016 Summer Interns who presented research results at the Intern Symposium, with some of their NYBG mentors

Each summer NYBG hosts interns from high schools, colleges and universities, and other research organizations in its Plant Research and Conservation Division. The statistics from the 2016 intern cohort were impressive: 49 students (61 percent female) from 5 countries (Brazil, Italy, Mexico, Spain, U.S.), 9 high schools, 21 colleges and universities, and 4 research institutions. It was a record intern cohort not only in terms of size, but also in geographic, academic, and gender diversity.

Research topics undertaken by the 2016 summer interns ranged taxonomically from plants to fungi, geographically from the temperate zones to the tropical latitudes, and thematically encompassing all disciplines pursued at NYBG. Interns studied with scientists in either the Cullman Program for Molecular Systematics, William and Lynda Steere Herbarium, Institute of Systematic Botany, Institute of Economic Botany, or the Center for Conservation Strategy.

During a ten-week period, the interns carried out projects under the mentorship of NYBG scientists. Often, two or more interns collaborated on the same project. Mid-day on each Wednesday, there was a different enrichment activity led by a NYBG scientist, which ranged from tours of collections, such as in the Enid A. Haupt Conservatory, to visits to research facilities, such as the Geographic Information Systems Laboratory, to brown-bag lunch discussions led by scientists on topics such as *The Importance of Field Exploration* and *Systematics and its Relation to Conservation*.

The summer program concluded with a symposium by interns who volunteered to present the results of their research to their peers and mentors. Sarah Hardy of Lafayette College presented *Journey of a Plant Specimen: My Work in the Steere Herbarium, GIS Laboratory, and Pfizer Laboratory.* Colette Berg, Fordham University, and Joseph Sardina, University of Wisconsin, presented *Expansion and Digitization of the NYBG Herbarium*. Sarah Roa, SUNY College of Environmental Science and Forestry, presented *Call of the Plants: An Acoustic Study of* Populus *Species*, a novel project to determine if the leaves of different species of cottonwood have a characteristic sound signature when blowing in the wind. Natalie Feldsine, University of New Hampshire, Noha Haggag, Rutgers University, and Gabriella Rosa, University of Central Florida, presented results of a conservation project: *Mobilizing New England Vascular Plant Specimen Data to Track Environmental Changes*.

Two additional presenters represented the Cullman Science Interns cohort, the largest since the inception of the Cullman Program for Molecular Systematics in 1994. Andrew Walter-McNeill, Bowdoin College, worked on an aspect of NYBG's ongoing Plant Ontology project, and presented Spines, Scopes, and Scripts. Benjamin Kepecs, Columbia University, presented Methods in Molecular Systematics: Phylogeny of Xyridaceae. The preeminence of the Garden's plant science research programs owes much to Life Trustee Lewis B. Cullman's generosity and vision over more than two decades. The Cullman Program focuses NYBG's plant molecular research on the global scientific effort to assemble the evolutionary Tree of Life for all plants and fungi. On the applied side, it focuses NYBG's molecular research effort on DNA barcoding. Mr. Cullman's continuing leadership and generosity have enabled the stateof-the-art Cullman Molecular Systematics Laboratory and the Cullman Conference Room, two facilities that greatly enhance the Garden's science and education infrastructure, as well as ongoing support of summer science internships for aspiring young botanists.

Strategy for Conserving Ash Trees in the Northeastern United States



Pumpkin ash tree, Fraxinus profunda (Oleaceae), recently discovered in Central Park

A core project of NYBG's Center for Conservation Strategy is an investigation into the genetic diversity of ash trees in the northeastern United States to aid in protecting ashes from the invasive beetle, Emerald Ash Borer (EAB). First detected in 2002 near Detroit, Michigan, the EAB has killed tens of millions of ash trees from the Midwest through Pennsylvania, and is rapidly spreading through New York and New England.

There exists a unique opportunity to obtain and employ critical data while considerable areas in New York and New England remain un-invaded by EAB. But time is of the essence, as the EAB's range is expanding rapidly and it is known to inflict nearly 100 percent mortality on the ash species commonly occurring in this region.

This two-year project's goal is to elucidate the relationships of different ash species and to study patterns of susceptibility to EAB, enabling adoption of appropriate conservation strategies. Additionally, citizen scientists will be trained in ash identification and seed and data collection, allowing them to contribute scientifically to the project as well as to further ash conservation initiatives.

To accomplish this goal, NYBG leads a multi-disciplinary, multi-institutional team, including the Mid-Atlantic Regional Seed Bank, U.S. National Arboretum, U.S. Forest Service, Ecological Research Institute, and Bluegrass Woodland Restoration Center. Generous funding for this project is provided by the Sarah K. de Coizart Article TENTH Perpetual Charitable Trust and the U.S. National Arboretum.

Updating a Classic Book on North American Plants

Among the best known, most iconic books on North American plants, the *Manual of Vascular Plants of Northeastern United States and Adjacent Canada* (NYBG Press, 1991) by Garden scientists Henry Gleason and Arthur Cronquist, is being completely updated, and, beginning in 2016, published by NYBG Press as digital PDF downloads.

With generous support from NYBG Trustees Mr. and Mrs. Thomas J. Hubbard, the first installment of the *New Manual of Vascular Plants of Northeastern United States and Adjacent Canada*, consisting of 34 plant families, will be followed annually with additional revised treatments until the some 230 families in the region—comprising an estimated 5,300 species—are all available online. Then, the contents will also be published as a hardcover book.

"We expect the *New Manual* will be an essential tool for effective, science-based conservation action in the northeastern U.S. and adjacent Canada during this time of floristic change," asserted NYBG's Robert F.C. Naczi, Ph.D., Arthur J. Cronquist Curator of North American Botany and lead project scientist.

For an informational presentation and a video of Dr. Naczi discussing the *New Manual*, and to download plant family treatments from it, visit **nybgpress.org**, source of *The Best New Books in Botany*[™].



Turk's Cap Lily, Lilium superbum (Liliaceae)



Katsura tree, Cercidiphyllum japonicum (Cercidiphyllaceae)

Inevitably asked and repeatedly queried: what is your favorite plant? For horticulturists, this question can be akin to designating the best-loved cat. It is particularly difficult in the Plant Records Office, where we keep track of *all plants* that make up NYBG's Living Collections. With the help of Curators and other Horticulture staff, Plant Records documents, describes, labels, and provides information about plants that live at the Garden. Collections include tropical plants in the Enid A. Haupt Conservatory and the Nolen Greenhouses, trees and shrubs and other herbaceous plants throughout the 250 acres of landscape, as well as seasonal plantings in pots and exhibition plants on display.

Rather than respond with our most personally precious or prized plant (which can vary with seasons, or even daily), it is sometimes easier to qualify plants by using other attributes, such as biggest and oldest.

The first accession entered in the Garden's earliest recordkeeping logbooks is a willow—*Salix eriocephala* (then known as *Salix missouriensis*), commonly called Missouri River willow. While this particular species no longer remains in the Collections, there are a few other trees planted in the Garden's nascency that thrive to this day.

Along Magnolia Way there is a venerated katsura tree (*Cercidiphyllum japonicum*) planted in 1896. Acquired from Thomas Meehan and Sons, once one of the largest and most significant nurseries in the county, it is an autumn treasure. Heart-shaped leaves turn golden-yellow in fall and emit a sweet maple syrup-like fragrance when crushed. However, this katsura tree is not the oldest plant in the Collections as many specimens existed prior to the Garden's existence. Timber core samples from a red oak (*Quercus rubra*) along the Spicebush Trail in the Thain Family Forest place its age at approximately 275 years.

It is more difficult to say which is our largest tree because that depends whether we are considering height, trunk thickness, or canopy spread. Using the American Forest's National Big Tree Program's big tree measurement formula, the winner here is a tulip tree (*Liriodendron tulipifera*) in the Azalea Garden. At 155 feet tall, this stately tree bears large tulipshaped orange and green flowers in the spring, earning both its botanical and common names.

Likewise, determining which is our largest flower depends on multiple parameters. The plant with the largest flower spike is the century plant (*Agave americana*) in the Enid A. Haupt Conservatory. When the agave begins to flower, panes of glass must be removed from the ceiling to allow it to grow to its fullest height. However, the flower with the longest petal is that of Sander's slipper orchid (*Paphiopedilum sanderianum*), a rare orchid native to Borneo. The petals can grow more than three feet long.

These are just a few interesting highlights from the Plant Records Office. For further fascinating facts about our Collections, visitors can look up plants in Garden Navigator (http://navigator.nybg.org) to see what is growing and blooming, locate them on a map, get growing requirements, and see photographs of specimens at NYBG.

The first plant accessioned at NYBG, Salix missouriensis (now Salix eriocephala), was received from Horner's Nursery in 1899.

Long-term support of the Plant Records Office has been provided by The Hagedorn Fund. Support for Garden Navigator has been provided by the Stanley Smith Horticultural Trust.

By Jodie Colón, NYC Compost Project Manager



Peter Amabile (left) and his brother, Charlie, enjoy processing food scraps for the compost bins at Church of the Mediator/Iglesia de Mediador in the Kingsbridge section of the Bronx.

Imagine rush hour on a busy Bronx street. People stream past by the hundreds, eyes on their smart phones. On the corner, a group greets each other by name at what has become their favorite stop on the way to work, home, or school. No, it's not the food truck; it's one of our NYC Compost Project food scrap dropoff spots!

People come by foot, bus, and bike on designated days to pour their peels and perishing produce into tubs stacked outside of our community compost sites, including Bainbridge Avenue Garden, Church of the Mediator/Iglesia de Mediador, Lehman College, and Van Cortlandt Park.

After dropping off, some head to work while others follow the tubs into the compost site. There they connect with NYBGtrained Master Composters who teach volunteers to make a mix of food scraps and woodchips for the 187-gallon compost bins we provided.

Compost carpools led by Glenn Fleischman and seniors from Amalgamated Housing Cooperative also deliver hundreds of pounds gathered each week from their neighbors. They often join us in processing. The finished compost is applied to neighborhood street trees and vegetable beds.

When asked why they participate, people give as many reasons as the tons of food scraps we accept and process. After chopping a few tubs of food scraps and digging for worms with his brother, Peter Amabile said, "This is the dirtiest, most fun thing I've ever done on a Tuesday." We agree.

The NYC Compost Project works to rebuild NYC's soils by providing New Yorkers with the knowledge, skills, and opportunities they need to make and use compost locally. NYC Compost Project programs are implemented by DSNY-funded teams at seven host organizations, including The New York Botanical Garden. For more information on composting in the Bronx, call our Helpline at 718.817.8543 or visit **nybg.org/compost**



On July 14, 2016, NYBG was honored at City Hall with a ceremony and presentation recognizing the Garden's 125th Anniversary. Councilman Ritchie Torres, whose Council District includes NYBG, organized this event that was led by Council Speaker Melissa Mark-Viverito and celebrated by all nine members of the Bronx Delegation of the City Council, Majority Leader Jimmy Van Bramer, and Council Finance Chair Julissa Ferreras-Copeland.

Accepting the official proclamation on behalf of the Garden was CEO and The William C. Steere Sr. President Gregory Long, Director J.V. Cossaboom, and new Board Member Joseph Thompson.

The proclamation stated in part: "The New York Botanical Garden is a Bronx treasure benefitting our entire City and the world beyond. This community masterpiece—sculpted with time and seasons, nurtured by a dedicated staff and generous supporters—has a tremendously positive impact for it changes not only how we view our world but clarifies our place within it and our critical role as stewards for its future..."



The legendary Rothschild garden at Eythrope is celebrated throughout the garden world for its atmospheric beauty, standards of perfection, and traditional gardening techniques that produce fruits, vegetables, and flowers year-round for an English country house where entertaining still happens on a grand scale. The estate is rarely open to the public, so this evening offers an inside view of Eythrope's remarkable transformation.

Lord Rothschild will introduce the presentation by discussing horticultural traditions at nearby Waddesdon Manor, the extraordinary chateau created in the late 19th century in Buckinghamshire by his ancestor Baron Ferdinand.

Lady Mary Keen will talk about the private garden at the Pavilion, Eythrope, which she reworked and restored in 1990 when Eythrope became the home of Lord and Lady Rothschild. It is the subject of her recent book, *Paradise and Plenty*, a celebration of the virtuoso horticulture that inspires awe among garden lovers all over the world.

Wednesday, October 26; 6 p.m. Christie's, 20 Rockefeller Plaza, New York City

Learn more and register at nybg.org/adulted

The Andrew Carnegie Distinguished Lecture receives support from Carnegie Corporation of New York. This event is generously hosted by Christie's.



Rare Folio Acquired by Mertz Library

By Stephen Sinon, Head of Special Collections, Research and Archives



As early as 1827, English chemist John Eliot Howard (1807–83) showed interest in what would prove to be his life's work: the extraction of the anti-malarial drug quinine from the bark of the *Cinchona* genus of South American tree. Howard's seminal folio, *The Quinology of the East Indian Plantations* (1869–76), was the result of his examination of the bark of all forms of *Cinchona* introduced into

India from its native range in the Andes. He became the leading expert on this genus, undertaking microscopic and chemical analysis to determine which form would be best to use as a malarial preventative.

Only a few species of *Cinchona* are used as medicinal plants for their quinine compounds. The bark, also known as Jesuit's bark or Peruvian bark, is stripped from the tree, dried, and powdered for medicinal uses. First described in 1653, Linnaeus named the genus in 1742 after the Countess of Chinchón, wife of the Spanish viceroy of Peru.

The bark was very valuable to Europeans in expanding their distant colonies in the tropics. However, its gathering was often environmentally destructive and until 1867, the world was entirely dependent upon South America for its supply of *Cinchona* bark obtained exclusively from uncultivated trees, growing chiefly in Bolivia, Peru, and Ecuador.

In 1860 a British expedition to South America brought back smuggled *Cinchona* seeds and plants, which were introduced in British India and Sri Lanka. By 1883 exports from the region reached a peak of 15 million pounds. It was also cultivated by the Dutch in Java. Competition grew fierce and an oversupply resulted in negotiation of a 1913 treaty whereby British India would concentrate on growing tea and Dutch Indonesia would concentrate on *Cinchona*. During the 1930s, with Japanese expansion in the South Pacific, the seizure of *Cinchona* plantations forced Europeans and Americans to research synthetic substitutes and develop new plantations in South America. In both of these endeavors, NYBG botanists Norman Taylor, William Steere, and Boris Krukoff were involved, and the LuEsther T. Mertz Library contains a strong body of literature that reflects these efforts.

At the spring 2016 meeting of the Library Visiting Committee, a presentation was made on Howard's *The Quinology of the East Indian Plantations*, and thereafter Board Member Barbara Robinson graciously provided funds for the purchase of this beautifully illustrated folio by the Library.

Edit-A-Thon Held at NYBG

By Esther Jackson, Public Services Librarian, and Samantha D'Acunto, Reference Librarian



Wikipedians work to boost botanists.

On June 15, 2016, the LuEsther T. Mertz Library welcomed Wikipedia editors to participate in an Edit-A-Thon focused on creating and enhancing articles for botanists who made significant plant specimen collections in New York State. In addition to using the NYBG Library and Herbarium collections to identify botanists for whom Wikipedia articles could be created, Library staff also reached out to other New York herbaria, asking them to identify significant NY State botanists represented within their collections.

In the weeks prior to the event, Library staff made contacts with the local Wikipedia NYC community, a highly active group of editors that create and modify articles across subjects, utilizing the resources found in academic and special collections throughout New York City.

On the day of the event participants were welcomed and given a Wikipedia training session followed by a brief presentation from JSTOR and JSTOR Global Plants. There were a total of 5 pages created and 14 pages edited which worked out to 20,727 bytes added to Wikipedia!

The staff of the Mertz Library looks forward to continuing to boost botanists, on Wikipedia and beyond.



Jill Joyce is the owner and president of Renaissance Equity, LLC, a residential real estate management company, which has won the distinguished Garden State Award for Housing, Management Company of the Year. She has been involved with NYBG since 1993 and has served as a volunteer since 1998.

Jill is a member of the Hackensack University Medical Center Foundation Board of Trustees, and she has served on The National Trust for Scotland Foundation's U.S. Board since 2015. Her professional affiliations include eight years of service on the Executive Board of the New Jersey Apartment Association. She earned a B.A. degree from New York University and was awarded the Founders Day Award for outstanding scholarship.



Hidemoto Mizuhara is President and Chief Executive Officer of Mitsubishi Corporation (Americas), the U.S. holding company for Mitsubishi Corporation Group Companies in North America. Mr. Mizuhara joined Mitsubishi Corporation in Tokyo, Japan in 1981 immediately after graduating from Hitotsubashi University.

Most of his 35-year career with the company has been in the Machinery Group, primarily in the Ship Department and Motor Vehicle Division, with overseas assignments both in New York and in Indonesia. Mr. Mizuhara became President and CEO of Mitsubishi International Corporation in New York in 2013, and in 2016 he was promoted to President & CEO of Mitsubishi Corporation (Americas).



Janet M. Montag is a community leader and philanthropist. She is a founding member and chairman of the Advisory Board of the Global Mental Health Program at Columbia University and serves on the Board of The Asia Foundation. She is also a member of the International Advisory Board of the

Portland Japanese Garden. Janet serves on a task force for the undergraduate program as well as a Parent Advisory Board at Stanford University. Janet holds a BBA degree in Finance from Emory University and is a former corporate finance banker with JP Morgan. She and her husband, Tom, have been active with NYBG since 2007.



Marc Porter is joining Sotheby's following a 25-year career at Christie's, where he was last the auction house's Chairman, Americas and led many successful private sales, including the Collection of Elizabeth Taylor. Marc received a B.A. degree in American Studies from University of Pennsylvania,

B.S. in Economics University of Pennsylvania–The Wharton School, and a J.D. from Yale Law School. He became the Chair of Committee on Exhibitions in 2010 at the National Museum of Jewish History and joined the Steering Committee in 2015 at Benjamin N. Cardozo School of Law. Previously, he was a Trustee of the Brooklyn Botanic Garden and The Council of the Frick Collection.



Douglas Dockery Thomas is a native of Mississippi and a magna cum laude graduate of Sweet Briar College. She is a member of the Millbrook Garden Club and is on the National Speakers List of the Garden Club of America. She has received the Place Maker Award of the Foundation for Landscape Studies,

and serves on the Advisory Council of the Lady Bird Johnson Wildflower Center and the Dumbarton Oaks Park Conservancy. She is a Managing Director of the Metropolitan Opera and an Overseer of the Boston Symphony Orchestra. At NYBG, Douglas is a member of the Horticulture Committee of the Board and the Advisory Committee of the School of Professional Horticulture.



Joseph A. Thompson is a community leader in the Bronx. He served in the U.S. Air Force as a Radar Operator and later earned the rank of detective in the NYPD. Following his career in law enforcement, Joe became the first full-time African-American life insurance agent in New York for Northwestern

Mutual. Among his many community activities, Joe was appointed to the Community Board 11 in 1997, and elected Second Vice Chair in 2001. He serves as President of the 49th Precinct Community Council and is the Executive Director of the White Plains Road Business Improvement District. Joe has lived in Community Board 11 for over 47 years. He and his wife, Gladys Osorio, have two children and two grandchildren. In recent years, NYBG has further expanded its robust public program offerings to include musical performances—both indoors and outside—that complement and enhance special seasonal exhibitions and other institutional events. To celebrate the Garden's 125th Anniversary, a festive evening series featured a wide variety of styles and performers, beginning with The Glimmerglass Festival on May 26, followed by Jazz at Lincoln Center with Wynton Marsalis on June 9. The popular Winter Harmonies Concerts will return in December to coincide with the 25th Annual *Holiday Train Show*[®].



Gregory Long, The Glimmerglass Festival Artistic & General Director Francesca Zambello



The Glimmerglass Festival cast, Gregory Long, Francesca Zambello



Jazz at Lincoln Center with Wynton Marsalis



On May 27, 2016, Trustee Emeritus William S. Beinecke visited NYBG shortly after he marked his 102nd birthday. He joined the Board in October 1979 and served until May

1992, and was elected Honorary Member the following month. After lunch and a golf cart tour, NYBG President and CEO Gregory Long and Director J.V. Cossaboom noted that among Bill's many important contributions to the Garden's development during his tenure, his participation in the Centennial Campaign of 1991 was invaluable in helping to focus its institutional goals.

Bill was born in New York City and raised in suburban New Jersey. After graduation from Yale and Columbia Law School, he enlisted in the Navy before the U.S. entry into World War II and served as a gunnery officer from 1941 to 1945.

Beginning in 1952, he worked for The Sperry and Hutchinson Company as General Counsel, Vice President, President, and from 1966 until his retirement in 1980 as Chairman and Chief Executive Officer. An ardent advocate for business support of charitable and educational institutions, he led the company in setting the pace for corporate charitable giving in the nation. Soon after his retirement he became the Founding Chairman of the Central Park Conservancy, overseeing the management and protection of Manhattan's 843-acre oasis.

Bill continues to be active in a wide variety of charitable giving activities. Honored to have him continue to serve as Trustee Emeritus, NYBG salutes his many noteworthy accomplishments during his distinguished legacy of service and philanthropy.

Recent Grants Support NYBG Work in Science, Education, and Horticulture

- NYBG was awarded a \$1,000,000 capital grant from New York State Assembly Speaker Carl E. Heastie and the Bronx Delegation of the New York State Assembly in support of the Edible Academy's construction, which will ultimately increase access to nutrition education for children and families from the Bronx.
- The **Andrew W. Mellon Foundation** continued its generous support of the Humanities Institute in the LuEsther T. Mertz Library with a \$900,000 grant over the next three years.
- NYBG has received a three-year, \$260,000 grant from the **National Endowment for the Humanities** to digitize the LuEsther T. Mertz Library's John Torrey Papers. This project will also begin crowdsourced transcription of the documents to enhance access to the largest collection of pioneering botanist John Torrey's personal papers.
- The **Altman Foundation** has renewed their generous support of the Children's Education Program with a three-year commitment of \$200,000.
- NYBG has received a \$500,000 capital grant from the Stavros Niarchos Foundation for the Edible Academy and will name the Entry Plaza.
- The **Jill and Alan Rappaport Family** has pledged \$350,000 to the Edible Academy project and will name the Rappaport Family Toolshed. It will connect the Edible Academy Building and the Teaching Greenhouse, house the tools used by participants in the gardening programs, and include a cistern to collect rainwater runoff, which will be used to irrigate the garden.
- The **Wallace Genetic Foundation** has awarded NYBG a \$200,000 grant to the Edible Academy project and will name the Jean W. Douglas School Demonstration Garden, which will be home to three square, raised garden beds and the Edible Academy compost station.
- NYBG was awarded a two-year, \$200,000 grant from Chobani Foundation in support of the Edible Academy. Funding will ensure that NYBG continues to make a sustainable and long-term impact on the healthful living habits of underserved, urban youth in the greater NYC area by increasing access to nutrition education and fresh produce.
- Newman's Own Foundation has renewed their leadership support of the Edible Academy's Bronx Green-Up Community Outreach and Teacher Training Program. This grant empowers community members and teachers by giving them the tools, knowledge, and resources to transform parts of their neighborhoods into thriving urban farms and school gardens.



Kiku: *The Art of the Japanese Garden* returns to the Enid A. Haupt Conservatory, continuing a longstanding showcase of the horticultural traditions of Japan. *Kiku*, the Japanese chrysanthemum, is one of the most celebrated plants in Japanese culture. This year hundreds of intricately trained chrysanthemums in both modern and ancient styles have been cultivated in a variety of stylistic interpretations and designs, including *ozukuri* (thousand bloom), *kengai* (cascade), and *ogiku* (single stem).

Using traditional techniques developed at Shinjuku Gyoen National Garden in Tokyo and contemporary approaches informed by these traditions, NYBG horticulturists have trained hundreds of Japanese chrysanthemums into fantastic forms defying the sense of what is possible to achieve with living plants. From cascading sheets of color and composition to delicately grown bonsai, the exhibition provides equal measures of spectacle and sophistication.

In tandem with the exhibition, the Garden offers an exciting array of Japanese cultural events, educating more than 75,000 visitors about the importance that the natural world plays within Japanese art and lifestyle.

Since its inception in 2007, this stunning exhibition has been generously underwritten by Presenting Sponsor Mitsubishi Corporation (Americas), a steadfast partner in celebrating the chrysanthemum and Japanese art, life, and culture. Additional sponsors include the J.C.C. Fund of The Japanese Chamber of Commerce and Industry, Inc., LuEsther T. Mertz Charitable Trust, and Sumitomo Corporation of Americas Foundation. Program sponsors include The Japan Foundation and the United States-Japan Foundation.



Phyllis Schwartz and her family have a long history with The New York Botanical Garden. She and her husband, Howard, began their relationship with the Garden in the 1950s when they wanted to instill an appreciation of nature in their two small children. She still has fond memories of her son and daughter running along the paths and stopping to smell the peonies or point to the daffodils, which would always make her smile. "And those flowers still bloom every spring even though today I am the mother of a Senior Citizen!"

Phyllis has left a legacy at the Garden in two ways. The first was a gift for her 65th birthday when her husband, children, and grandchildren surprised her with a bench dedicated in her honor in the Perennial Garden. "It was the best surprise present ever!" Even now, Phyllis sits on her bench every time she visits the Garden.

When her husband died in 2014, Phyllis decided to honor his memory by supporting some of their favorite places, and NYBG was near the top of the list. She funded a charitable gift annuity with the Garden because it provides her with secure, steady interest payments for life and the gratification of making a gift that will also benefit the future of the Garden. "The best reason to choose a charitable gift annuity is the connection it gives you to a cherished place, knowing that your connection will continue beyond life itself."

For more information about how you can fund a charitable gift annuity or dedicate a bench at The New York Botanical Garden, please call Lisa Sifre, Director of Planned Giving, at 718.817.8545, e-mail plannedgiving@nybg.org, or visit **nybgplannedgiving.org** Please join us for these upcoming special events, proceeds from which support a wide range of critical NYBG mission-driven efforts:

Kiku: The Art of the Japanese Garden Reception & Dinner

October 13; 6:30 p.m.

Honoring Judy and Michael Steinhardt and Mitsubishi Corporation (Americas), this festive night will celebrate Japanese horticulture and art with sake tastings and Japaneseinspired cocktails while touring a stunning display of Japanese fall flowers in the Haupt Conservatory. The night continues with an elegant dinner in the beautifully redesigned Garden Terrace Room.

Winter Wonderland Ball

December 9; 7:30 p.m.

Now in its 18th year, the Winter Wonderland Ball remains New York City's most fashionable party of the holiday season, a black tie event featuring cocktails, dinner, and dancing in sight of the Haupt Conservatory's twinkling holiday display. This dazzling evening has become synonymous with NYC glamour and nightlife.



The Orchid Dinner February 8; 7 p.m.

NYBG's annual Orchid Dinner will take place at The Plaza. A harbinger of spring, it is one of the most anticipated and beautiful events of the New York late-winter season. This high-profile event showcases the most exquisite display of orchid centerpieces imaginable, all created and donated by leading designers from the worlds of fashion, interior design, landscape design, floral design, and architecture.

For more information and to purchase tickets, please contact the Special Events office at 718.817.8710 or **events@nybg.org**

Plants and People: The Campaign for The New York Botanical Garden Gifts to the Leadership Fund 2008–September 30, 2015

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† Deceased

Although every effort is made to ensure the accuracy of this listing, we may have unintentionally overlooked someone. If this is the case, please accept our apology and notify us immediately by contacting **devoffice@nybg.org**

A Poem by Billy Collins, NYBG Poet Laureate

Written on the occasion of the 125th Anniversary of The New York Botanical Garden

THE BOTANICAL GARDEN

In Venice, the art of getting lost is not hard to master: cross a little bridge, make a right turn, and the hotel you just left might as well be on Mars.

The same goes for these gardens botanical where a jungle of dripping ferns may give way to a desert where a cactus waves at me with its outspread arms.

Here, I can stroll at ease from one climate to another, passing herbaceous peonies, pale lilacs, and the stout hyacinth.

And after I lean back to salute a palm, the mazy outdoor paths will lead me beyond their brick designs to a hillside where I can see

at a glance as many daffodils as William Wordsworth saw. And beyond that lie the shadows of a woods where I find a shagbark hickory,

an American larch, the blue spruce, and the cones of a white pine now underfoot. I know all this because I often stop not just to inhale a climbing rose

but to read the tags and learn the names. I once looked up from one and saw in the distance through a break in the trees the white conservatory,

looking like the greenhouse of a king, center of all this growth and flowering life, the place where I had started out to meander over these varied grounds—

first cultivated, then wild unguided by a map or plan, and glad to be delayed by a single petal, distracted by some anonymous branch's mottled bark.



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Exhibitions in the Enid A. Haupt Conservatory are made possible by the Estate of Enid A. Haupt.

Exhibitions in the LuEsther T. Mertz Library are made possible by the LuEsther T. Mertz Charitable Trust.

Exhibitions in the Arthur and Janet Ross Gallery are made possible by the Arthur and Janet Ross Fund.

Garden News is published by The New York Botanical Garden. ©2016 The New York Botanical Garden. All rights reserved, September 2016. Volume 50, Number 2



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