

NYBG

GARDEN NEWS
SPRING–SUMMER 2018

NEW YORK BOTANICAL GARDEN



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President’s Perspective



Dear Friends:

Garden News is published seasonally to keep NYBG’s principal stakeholders well informed about Garden affairs. If you are reading this today, YOU are a NYBG stakeholder—a member of the Board of Trustees, Board of Advisors, President’s Circle, Patrons Program, or you are a Member. You may also be one of the Garden’s many friends in government agencies or in the offices of elected officials. It is a deeply held belief of mine that the NYBG community of stakeholders is one of our most precious assets.

NYBG serves diverse communities, of course—our local Bronx neighbors with 90,000 schoolchildren here every year; our 1.3 million annual visitors coming to the Garden from around the City and around the world for cultural and educational experiences; millions of the curious who use our website, social media, digital resources, and printed publications; and the international community of scientists and conservationists focused on the survival of the plants of the world. We are a community organization in all of these respects—and YOU, the readers of this *Garden News*, are at the core.

This is my last letter to you as President and CEO of NYBG, and it is an honor to thank you for partnering with me and the staff of the Garden over the past 29 years as we have worked together to make the Garden great. We have all given of ourselves in various ways—and that’s what it takes!

As you know by now, my successor is Carrie Rebora Barratt, who is moving to the leadership of the Garden from her position as Deputy Director of The Metropolitan Museum of Art. I think we are lucky that a person of Carrie’s stature, intelligence, and experience is joining us as our new leader. When you meet her over the next few weeks and months, I am sure you will agree. Some such opportunities are coming up this spring—Patrons and Members are invited to meet her at special events in mid-June. I know that you will show her the same support you have showed me, and that you will greatly enjoy your collaboration with her.

Don’t ever forget that this is a unique and magnificent institution. We must never stop working to keep it that way. Thanks very much for the pleasure of working with and for you over all of these years.

Gregory Long

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

New Edible Academy to Open in June

NYBG sits in an area with one of the highest rates of food insecurity in the nation. Many Bronx residents lack access to affordable fruits and vegetables and suffer from high rates of obesity and related diseases. Understanding at a young age where food comes from is an important first step in making the important connections among plants, science, and the benefits of a healthful lifestyle.

NYBG is responding to this nutrition crisis through the new Edible Academy. This year-round, state-of-the-art facility will revolutionize and expand NYBG's acclaimed garden-based educational programs and offer life-changing opportunities to more than 100,000 children, families, and teachers.

The Edible Academy, with the Ruth Rea Howell Vegetable Garden as its centerpiece, is a rich platform of education, hands-on activities, and programs that will help children, families, and teachers learn about growing and preparing vegetables, fruits, and herbs while encouraging a lifelong interest in gardening and healthful living. Opening June 16–17, the expanded three-acre campus will feature a LEED Gold-certified, environmentally sustainable classroom building with a green roof, demonstration kitchen classroom, technology lab, teaching greenhouse, solar pavilion, and terraced amphitheater, among other amenities, as well as new display gardens to accommodate a broader range of programs and double the number of people served each year.

The Edible Academy will provide plenty of fun for kids and adults alike, with daily hands-on gardening activities, special cooking demonstrations, and other year-round program offerings that enhance NYBG's reach and impact.


Please see the site map on pp. 6–7 identifying the main Edible Academy campus components.



LEADERSHIP SUPPORT: Anonymous Family Friend of NYBG, Lillian Goldman Charitable Trust and Amy P. Goldman Foundation, Mr. and Mrs. Coleman P. Burke, Cleveland H. Dodge Foundation, Inc., Susan and Gregory Palm, Robert F. Gossett, Jr., Deborah and Chuck Royce, The Goergen Foundation

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

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CORPORATE SUPPORT:

Edible Academy Site Map

1—Niarchos Foundation Entry Plaza

The Entry Plaza provides welcoming access to the Edible Academy and offers a spectacular view of all of the campus components. Seasonal edible plantings flank the entrance gate.

2—Ruth Rea Howell Vegetable Garden

The Howell Vegetable Garden is a collection of three gardens—**Green Thumb Garden**, **Global Garden**, **Children's Gardening Program Garden**—with a variety of beds where visitors roll up their sleeves and dig in. The Vegetable Garden provides daily activities and programs to engage children and adults of all ages in planting, tending, and harvesting crops.

3—Solar Pavilion

This open-air pavilion, featuring an array of photovoltaic panels to capture solar energy, is a gathering place for many of the Edible Academy's garden-based education lessons, with capacity of up to 54 participants.

4—Douglas School Garden Demonstration Area

The School Garden Demonstration Area, designed to inspire teachers to incorporate garden-based education programs on their campuses, includes planting beds, a compost station, and Munchy, the topiary caterpillar.

5—Royce Family Meadow Garden

The Meadow Garden features winding paths and a diverse palette of native perennial shrubs and herbaceous plants. It will attract beneficial insects and provide rich opportunities for participants in all Edible Academy programs to observe the important relationships between plants and animals.

6—Gossett Overlook Pavilion

The Overlook Pavilion, situated adjacent to the Classroom Building, provides a dramatic view of the Bronx River waterfall and Thain Family Forest. Many of the Edible Academy's garden-based education lessons and cooking demonstrations take place in this open-air pavilion, with capacity of up to 72 participants.

7—Solomon Family Apiary

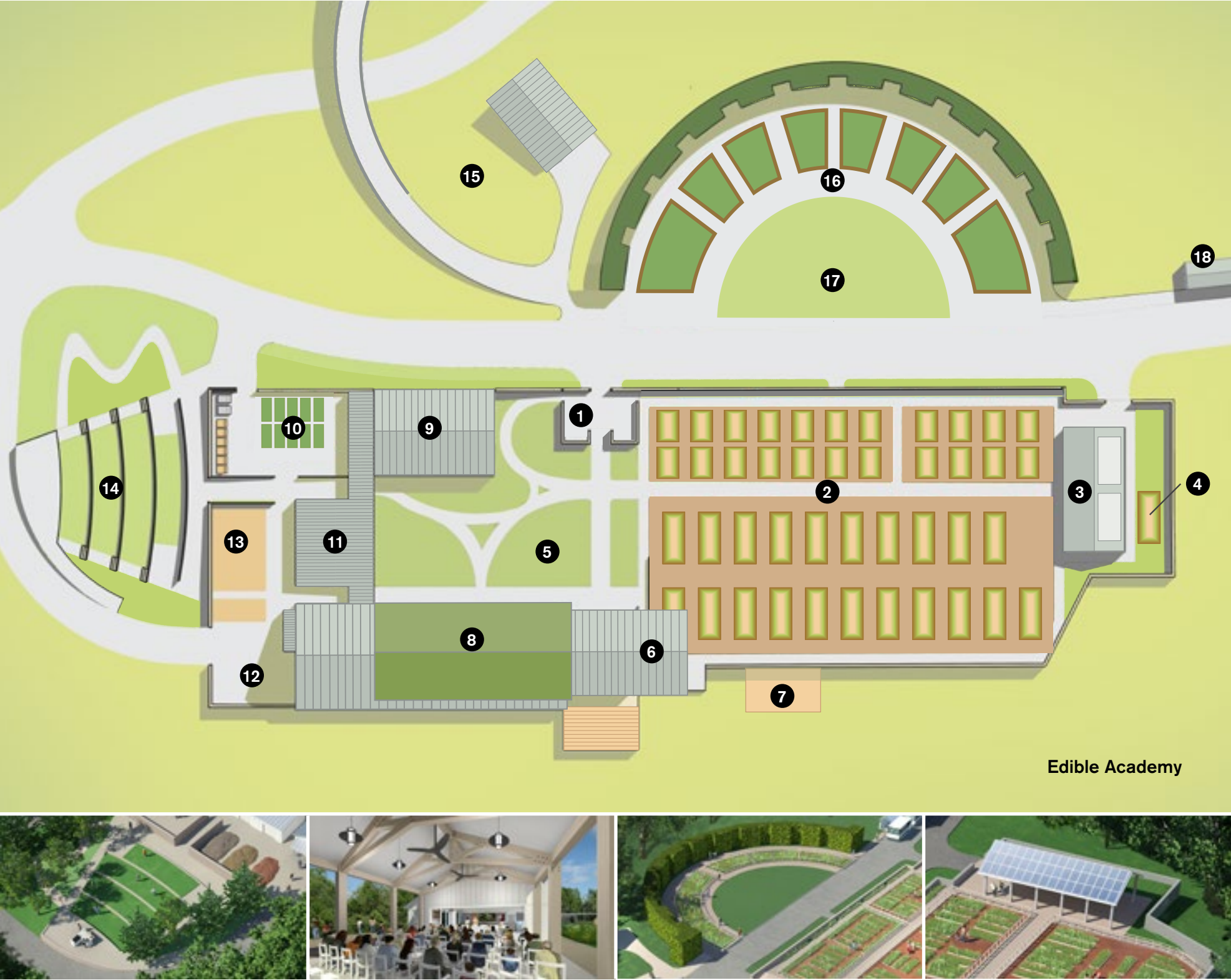
The Apiary, viewable from the Overlook Pavilion, is home to two hives with thousands of honeybees that aid plant pollination as well as production of delicious honey.

8—Classroom Building

The Classroom Building features the **Demonstration Kitchen Classroom**, with capacity of up to 35 participants, **Palm Family E.A.T. Lab**, with capacity of up to 35 participants, and a **Green Roof**.

9—Greenhouse

This teaching greenhouse provides an ideal space and controlled growing conditions for the propagation of thousands of seedlings throughout the year.



10—Wamsler Phillips Plant Nursery

The Plant Nursery, an essential part of the Edible Academy's educational mission, serves as a conditioning area for seedlings propagated in the Greenhouse and destined for the many gardens.

11—Rappaport Family Toolshed

This handsome toolshed houses the Edible Academy's inventory of garden tools and equipment.

12—Geothermal Wells

To increase efficiency and reduce NYBG's carbon emissions in heating and cooling the Classroom Building, a series of eight hydronic wells uses Earth as a sustainable heat source in winter and a heat exchanger in summer by taking advantage of naturally moderate groundwater temperatures.

13—Service Yard

This area is utilized by Edible Academy staff for staging events and as a work space to support programming initiatives.

14—Burke Amphitheater

The Burke Amphitheater, with seating capacity of up to 350, featuring a terraced lawn and stage with the Bronx River and Thain Family Forest as a backdrop, hosts events, cooking demonstrations, and performances.

15—Green Zone with Edible Academy Restrooms

The Green Zone, featuring the Green Materials Recycling Center, is NYBG's hub for recycling plant-based debris and other organic materials to produce compost and mulch. The Edible Academy Restrooms feature composting toilets, helping to protect the watershed by reducing water consumption.

16—Barnsley Beds

This collection of eight garden beds includes 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.

17—Event Lawn

This semi-circular lawn, framed by the Barnsley Beds, is a wonderful venue for a variety of Edible Academy programming.

18—Butterfly Tram Stop

This covered stop provides access to and from the Edible Academy, Garden announcements and orientation, as well as shelter during inclement weather.

Burke Amphitheater

Classroom Building

Barnsley Beds and Event Lawn

Solar Pavilion

Honoring Gregory Long: 29 Years of Milestones

During an era of unprecedented growth over the past 29 years under the executive leadership of Gregory Long, NYBG has transformed more than half of its 250-acre National Historic Landmark landscape, expanded the reach and impact of its groundbreaking science-based conservation programs, enhanced its education offerings and facilities for pre-K through post-graduate studies, and developed vibrant public exhibition and education programs that now serve more than 1,300,000 annual visitors.



- 1992**
- Creation of New Exhibition Program
- 1994**
- Establishment of Lewis B. and Dorothy Cullman Program for Molecular Systematics
- 1995**
- Launch of C.V. Starr Virtual Herbarium
- 1997**
- Restoration of Enid A. Haupt Conservatory
 - Opening of New Catering and Food Service Venues
- 1998**
- Creation of Everett Children's Adventure Garden
- 2002**
- Renovation of LuEsther T. Mertz Library
 - Opening of William and Lynda Steere Herbarium and International Plant Science Center
 - Launch of Large-Scale Outdoor Sculpture Exhibitions
 - Establishment of Farmers Market & Expansion of Bronx Green-Up
- 2004**
- Opening of Leon Levy Visitor Center
 - Opening of Arthur and Janet Ross Conifer Arboretum
 - Restoration of Benenson Ornamental Conifers



- 2005**
- Opening of Nolen Greenhouses for Living Collections
 - Restoration of Lillian Goldman Fountain of Life
 - Opening of Britton Rotunda and Gallery
 - Opening of Home Gardening Center
- 2006**
- Opening of Pfizer Plant Research Laboratory
- 2007**
- Restoration of Peggy Rockefeller Rose Garden
- 2010**
- Restoration of Lillian and Amy Goldman Stone Mill
- 2011**
- Completion of Adam R. Rose and Peter R. McQuillan Horticulture Operations Center
 - Creation of New Azalea Garden
 - Restoration of Thain Family Forest
- 2012**
- Opening of NYBG Parking Garage, Bedford Park Gate, Metro-North Station Park
- 2013**
- Creation of New Native Plant Garden
- 2014**
- Creation of Humanities Institute in the Mertz Library
 - Opening of Marjorie G. Rosen Seasonal Walk
- 2015**
- *FRIDA KAHLO: Art, Garden, Life*
 - 1,000,000 Annual Visitors
- 2016**
- Celebration of NYBG's 125th Anniversary
 - Completion of Major Landscape Restoration Projects: Burn Family Lilac Collection, Matelich Anniversary Peony Collection, Judy and Michael Steinhardt Maple Collection
- 2017**
- Opening of Green Zone, Green Materials Recycling Center, New East Gate
 - *CHIHULY*
 - 1,300,000 Annual Visitors/61,000 Member Households
- 2018**
- Opening of Edible Academy

Georgia O’Keeffe: Visions of Hawai’i
May 19–October 28, 2018

Discover the artist’s little-known depictions of the Hawaiian Islands—and the plants and landscapes that inspired them.

Pioneering American modernist Georgia O’Keeffe (1887–1986) conveyed a distinct sense of place with innovative depictions of her surroundings, from stark New Mexican landscapes to New York cityscapes. Yet flowers and plants were subjects that engaged O’Keeffe throughout her career. Curated by Theresa Papanikolas, Ph.D., of the Honolulu Museum of Art, this landmark exhibition offers a rare focus on 20 of O’Keeffe’s depictions of Hawai’i from a nine-week sojourn in 1939 while on commission to produce images for a Hawaiian Pineapple Company promotional campaign.

A lush exhibition in the Enid A. Haupt Conservatory that explores the remarkable beauty and variety of Hawaiian flora—as well as its complex botanical and cultural history—and a stunning display in the LuEsther T. Mertz Library Art Gallery that includes 17 of O’Keeffe’s Hawai’i paintings—not seen together in New York since their debut in 1940—spotlight a transformative experience in the legendary artist’s life, revealing O’Keeffe’s deeply felt impressions and the enduring influence of the Islands’ dramatic landscapes and exotic plants.

Throughout NYBG a rich and diverse program of performances, events, and activities for all ages celebrates the time-honored traditions and unique cultural heritage of the Hawaiian Islands.

For more information, please visit nybg.org/georgia



Harold Stein, [Georgia O’Keeffe on Leho’ula Beach, near ‘Aleamāi, Hāna, Maui], 1939, Gelatin silver print, 2 × 2 7⁄8 in., Alfred Stieglitz/Georgia O’Keeffe Archive, Yale Collection of American Literature, Beinecke Rare Book and Manuscript Library



Georgia O’Keeffe, *Pineapple Bud*, 1939, Oil on canvas, 19 x 16 in., Private collection
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ART WORKS

National Endowment for the Arts

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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. Additional support for Mertz Library exhibitions has also been provided by The Andrew W. Mellon Foundation and by a Challenge Grant from the National Endowment for the Humanities.

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

Any views, findings, conclusions, or recommendations expressed in this exhibition do not necessarily represent those of the National Endowment for the Humanities.

Adult Education Summer Intensives Jump-Start Careers

By Lisa Whitmer, Director of Adult Education



“You can turn your life around very quickly, which is exactly what I wanted to do.” Amy Roberts laughed as she described how NYBG’s Floral Design Summer Intensive reshaped her career in 2017. “I used to work in the art world, and I wasn’t happy. I had an epiphany that I wanted to be a floral designer, and I wanted to do that as quickly as possible. In April, I had never taken a floral course. By the end of the year, I was working as a full-fledged designer and wedding consultant for Starbright Floral Designs! Where else can you do that?”

Roberts is one of many students who changed their life’s course by taking one of NYBG’s Summer Intensives—in Floral Design, Landscape Design, Gardening, Horticultural Therapy, or Botanical Art & Illustration. Each Program gives students the opportunity to accelerate their progress toward a NYBG Certificate, a well-known and respected credential that helps students stand out as they embark on new careers.

NYBG’s Summer Intensive Programs are immersive experiences that equip students with practical skills they need to succeed. Over the course of the five-week Floral Intensive, students create 40 arrangements in diverse styles, from *ikebana* to grand-scale arrangements for special events. Roberts emphasized that the botanical knowledge and industry know-how she gained at NYBG helps distinguish her from her peers. “Classes such as *Flowers A to Z* taught me the names and needs of a huge variety of flowers, while *Shopping the Market* meant that I started my new job knowing not only where to go for which flowers, but also whom to talk to for the best service.”

Similar to Roberts, Jamie Miller took a Summer Intensive in Landscape Design because she wanted to change her life’s direction. She was a stay-at-home mom and former assistant director in the film industry who wanted to take the fast track to a new profession. She is now the proud owner of J Miller Design Associates with her first official client. “I’m currently designing two different areas on a large property, including a small Japanese garden. It’s very exciting!”

The Landscape Design Intensive is an immersive five-week experience in which students learn history, drafting, plant identification, and design. “The growth that I see over the course of a few weeks is astounding. Students arrive, often not knowing how to draw, knowing little about the design process or landscape design history, and leave the Intensive bursting with skills and knowledge,” enthused instructor Nancy Gerlach-Spriggs.

Miller is also quick to mention the caliber of the instructors, all experienced professionals with impressive credentials. She singled out Bill Einhorn, NYBG’s beloved graphics teacher. “Bill is extraordinary. He really cares about his students, and is always available for our questions. He helped me realize that the more precise you are when drawing your plans, the better you will be able to execute them. Every corner has to be perfect!”

Both Miller and Roberts spoke of how they bonded with fellow students. Miller said she is grateful to her classmates, who are all open to sharing ideas, concepts, concerns, and issues about their fledgling landscape design businesses, something they continue to do on weekly phone calls. Roberts echoes the importance of this camaraderie: “Five of us have a text thread constantly going in which we discuss our business challenges and successes. We’re all burgeoning florists who are very supportive of each other. We’ve made important contacts for life!”

For more information or to register for a Summer Intensive, please visit nybg.org/adulted, e-mail adulted@nybg.org, or call 718.817.8720.

Botanical and Horticultural Librarianship in the Modern Era: Training and Vision for the Future

By Susan Fraser, Thomas J. Hubbard Vice President and Director of the LuEsther T. Mertz Library



From June 19 to 23, 2018, the LuEsther T. Mertz Library will host a major convening of three organizations founded to foster collaboration among botanical and horticultural libraries: Council of Botanical and Horticultural Libraries (CBHL), the European Botanical and Horticultural Libraries (EBHL), and the Linnaeus Link Partners, which works to increase access to the works of Carl Linnaeus, the father of modern botany. The conference, entitled *Botanical and Horticultural Librarianship in the Modern Era: Training and Vision for the Future*, will explore the future of botanical and horticultural libraries as well as the evolution of modern, digitally integrated library services and collections. Humanities topics and related resources will also be a focus, as humanities scholars have long accessed botanical and horticultural collections to pursue research in such areas as the histories of science and medicine, landscape architecture, and garden design, as well as other areas where science, art and culture intersect.

The conference will celebrate the 50th Anniversary of CBHL and the 25th Anniversary of EBHL. The multi-day conference will include presentations by guest speakers and by members of the three participating organizations, panel discussions, business meetings, and tours. Networking opportunities will allow for colleagues to share ideas, discuss local projects, and strategize about addressing challenges that face libraries and librarians in the new millennium. Featured speakers will include Eric Sanderson, Senior Ecologist, Wildlife Conservation Society, on *The Welikia Project—The Historical Ecology of New York City*; Isabelle Charmantier and Lynda Brooks, Project Directors, Linnean Society of London, on

enhancements to the Linnaeus Link website and collaborative Union Catalogue; Annik LaFarge, author of *On the High Line*, and Patricia Jonas, former librarian and High Line volunteer, on *Horticulture on the High Line*; Bobbi Angell, botanical artist, printmaker, and gardener, on *Art, Artists, and Art Collections: Botanical Art at NYBG 1898–2018*; and Victoria Johnson, Associate Professor of Urban Policy and Planning, Hunter College, on her new book, *American Eden: David Hosack, Botany, and Medicine in the Garden of the Early Republic*.

Several sessions have been scheduled for organization members to present on a variety of themes ranging from library-specific projects to topics on how technologies have united the profession. There will be ample opportunities for librarians from many nations, who are physically separated, to share their thoughts, concerns, and project ideas.

This meeting marks the first time these three like-minded organizations will assemble as one group and will provide a unique opportunity to strengthen connections, share ideas and resources, and better understand the collections that others hold with colleagues around the globe. Attendees will gain valuable information about scholarly collections worldwide, forge new relationships and acquire new tools to better serve the research community at large. This important event complements the Mertz Library’s mission to connect people to plant knowledge by supporting research, discovery, and scholarship.

Support provided by The Gladys Kriebel Delmas Foundation, Pine Tree Foundation of New York, and H.W. Wilson Foundation

**NYBG Honored with
Preservation League Award**

The Preservation League of New York State recently selected The New York Botanical Garden to receive an award for Organizational Excellence in Historic Preservation. The League's statewide awards program honors notable achievements in retaining, promoting, and reusing New York State's irreplaceable architectural heritage. In presenting the award, Jay DiLorenzo, President of the Preservation League, described the Garden as "a leader in historic preservation, with a peerless commitment to its iconic buildings and grounds."

Over the years, NYBG has benefited from the leadership of many visionary firms and individuals, including Lord & Burnham, Calvert Vaux, Olmsted Brothers, Beatrix Farrand, and Laurie Olin. Four key efforts illustrate the Garden's dedication to preservation: the restoration of the Enid A. Haupt Conservatory in 1997; the expansion and restoration of the LuEsther T. Mertz Library in 2002; the restoration of the Lillian and Amy Goldman Stone Mill and historic landscape in 2010; and the restoration of more than 150 acres of historic landscapes and living collections over nearly three decades.

"We are honored to receive the award for Organizational Excellence in Historic Preservation and appreciate that the wonderful Preservation League of New York State has recognized our institution-wide preservation efforts here at NYBG," said Gregory Long, CEO and The William C. Steere Sr. President. "We have been working for more than 25 years to restore the buildings and landscapes inside this National Historic Landmark—for today's visitors and for generations to come."



(l-r) Jay DiLorenzo, President of the Preservation League of New York State; Todd Forrest, NYBG Arthur Ross Vice President for Horticulture and Living Collections; Janet Ross, NYBG Trustee; Gregory Long

**NYBG Scientist Michael J. Balick, Ph.D., Receives
2018 Fairchild Medal**

By Stevenson Swanson, Science Media Manager



Michael J. Balick, Ph.D., Vice President for Botanical Science and Director and Philecology Curator of the Institute of Economic Botany, has been awarded the 2018 David Fairchild Medal for Plant Exploration by the National Tropical Botanical Garden (NTBG). The Hawai'i-

based conservation, research, and educational organization recognized Dr. Balick for a career spanning more than four decades of botanical fieldwork and research around the globe.

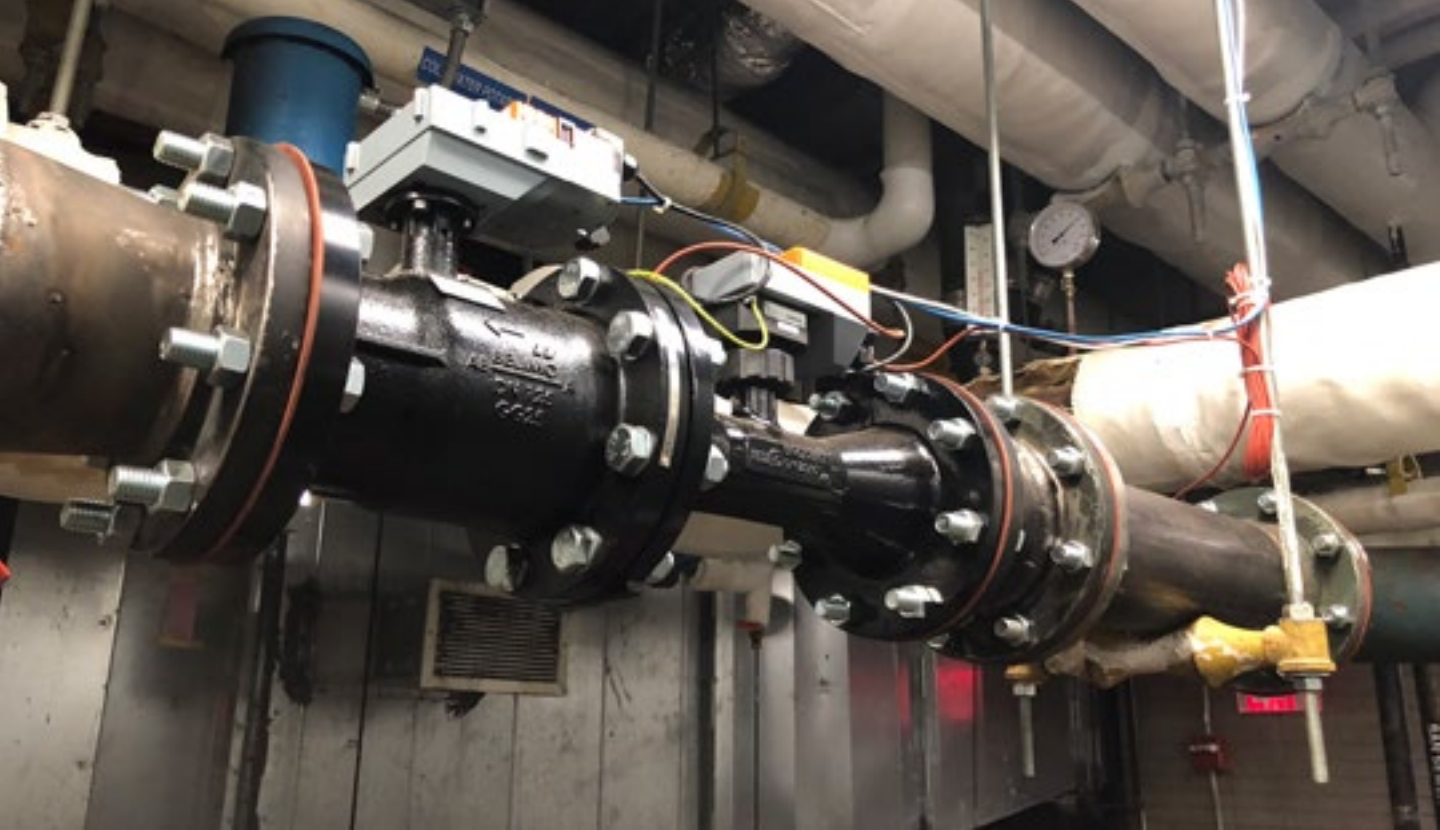
The Fairchild Medal, one of the most prestigious awards in the botanical sciences, was presented to Dr. Balick at The Kampong in Coconut Grove, Florida, NTBG's historic garden and former residence of David Fairchild (1869–1954), the great plant collector and influential botanist. Noting that the Fairchild Medal is the highest honor that can be bestowed upon a researcher who explores remote parts of the world to discover important plants, Charles R. "Chipper" Wichman, Jr., President, CEO and NTBG Director, said: "Over the past four decades Mike has been at the cutting edge of what we now call 'biocultural conservation'—the conservation of both the natural world and the indigenous cultures that have evolved with it. As an economic botanist, Mike exemplifies Fairchild's desire to enrich human society by traveling to faraway places to search for new plants and cultural knowledge."

Like the Medal's namesake, Dr. Balick has many decades of experience conducting botanical fieldwork and exploration in regions as diverse as Central and South America, the Caribbean, South Asia, and the Middle East. Much of his work since 1998 has focused on understanding the diversity, distribution, and uses of plants in tropical Pacific island nations, including The Federated States of Micronesia, Palau, and, most recently, Vanuatu. In his career at The New York Botanical Garden, Dr. Balick has studied and written extensively on the medicinal, culinary, and toxic properties of tropical plants. Among the many books he has authored or co-authored are *Rainforest Remedies: One Hundred Healing Herbs of Belize*; *Plants, People and Culture: The Science of Ethnobotany*; *Handbook of Poisonous and Injurious Plants*; and *Rodale's 21st-Century Herbal: A Practical Guide for Healthy Living Using Nature's Most Powerful Plants*.

Dr. Balick is the third scientist affiliated with NYBG to be honored with the Fairchild Medal. Professor Sir Ghilleen Prance, who had a 25-year career at the Garden before he became Director of the Royal Botanic Gardens, Kew and is now a Distinguished Counsellor to NYBG's Board of Trustees, received the medal in 2000. Scott A. Mori, Ph.D., previously the Nathaniel Lord Britton Curator of Botany and now Curator Emeritus, was the recipient in 2007.

Sustainability Update

By Emir Kajoshi, Associate Vice President for Engineering



New Energy Valves are being installed in the International Plant Science Center facility as part of NYBG's ongoing energy conservation efforts.

One of NYBG's many energy improvement initiatives is the introduction of so-called "Smart Valves" or "Energy Valves." After careful studies and audits, the Engineering team identified the International Plant Science Center (IPSC) facility as an excellent candidate for an energy conservation project and secured funding in partnership with NYC DCAS/Department of Energy through the ExCEL (Expense for Conservation and Efficiency Leadership) Program. The Energy Valve is a pressure-independent valve, which measures and manages coil energy by using an embedded electronic flow meter, along with supply and return water temperature sensors. By implementing Energy Valves at each hydronic circuit to deliver managed liquid flow through each coil, we anticipate tremendous improvements to indoor environmental conditions and comfort while optimizing pump and overall plant operation.

We are currently in the completion phase of installing new Energy Valves on five (5) Air Handler Units in the IPSC facility. We are also replacing ten (10) existing pneumatic valves for waterside control of heating and cooling coils with new electronically controlled, programmable Energy Valves.

Overall, these Energy Valves will help:

- Eliminate costly problems associated with Low Delta T Syndrome with recommended difference in temperature and flow set-points, which can be updated remotely or automatically to save time and improve efficiency.
- Measure energy consumption with an integrated Energy Meter that provides accurate coil performance data.
- Reduce pumping and chiller/boiler operating costs by increasing chiller plant efficiency and eliminating waste zone operations.
- Utilize advanced analytic technology while leveraging captured system data to improve coil and system performance, achieving increased energy savings.
- View performance reports of operational efficiency in a clear graphic illustration showing current and historical performance data of flow rates and energy usage.
- Ensure circuits are properly balanced with improved indoor environmental conditions and building expansion projects proceed smoothly without impact or compromise to other spaces or facilities.

A Million Daffodils Initiative Update

By Kristin Schleiter, Associate Vice President for Outdoor Gardens & Senior Curator



'Chromacolor'

'Sailboat'

'Intrigue'

Planting on Daffodil Hill continued in fall 2017, and we are well on our way to 1,000,000 *Narcissus* bulbs—670,000 thus far! Drifts of daffodils in yellow, white, and pink grace the gentle slope and the surrounding hillsides. Carefully mown paths allow visitors to stroll through the sweetly scented flowers, and the spectacle has quickly become a favorite spot for family pictures. Although the Horticulture staff have mixed many cultivars in the Daffodil Hill planting plan, there is a concentration of bulbs bred by Bill Pannill (1927–2014), a renowned American daffodil hybridizer who introduced more than 200 daffodil varieties during his lifetime. A past president of both the American Horticulture Society and American Daffodil Society, the latter recognized his contributions by naming their highest award in his honor. The William G. Pannill Award is given annually to the American breeder of the best show daffodil cultivar. Mr. Pannill won the award three times for his daffodils 'Homestead', 'River Queen', and 'New Penny'.

- Among the Pannill daffodils in our planting are:
- 'Chromacolor', an outstanding large-cupped, pink-and-white flower with beautiful substance.
 - 'Sailboat', a charming jonquil with upswept creamy-white flowers and a delicious fragrance
 - 'Intrigue', another jonquil with a wonderful fragrance, sporting multiple creamy-white and yellow flowers that are long-lived.
- To facilitate finding your favorite's name—so you can order it for your own garden—we have added a glossary. Every cultivar planted is labeled in a special planting at the foot of Daffodil Hill. We will continue planting next fall, but we have run out of wide open space. All further planting will be done by hand in areas laden with rocks and roots. We hope you will visit each spring to see how the show has grown.

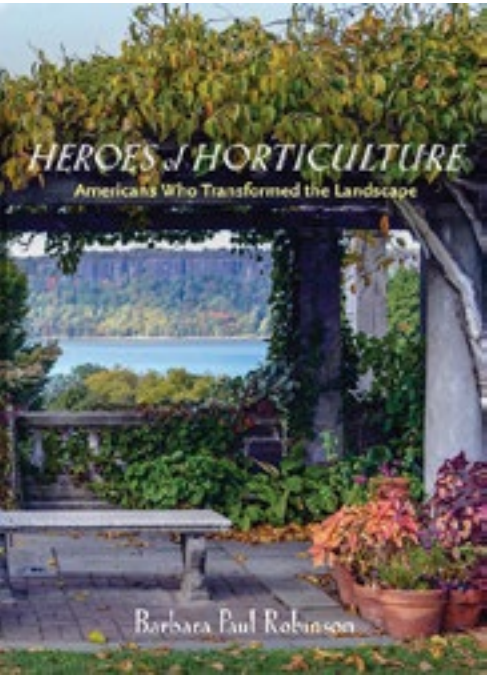
Two New Publications Feature NYBG

By John Suskewich, Book Manager



Think of a garden as an enclosed space; but think of a public garden as one that un-encloses it. Most gardens are private creations, a personal claim staked out of nature's realm; and there are some such as The New York Botanical Garden that not only welcome but also require a community to exist. A public garden is a group effort in its founding and its growth. *City Green: Public Gardens of New York* (Monacelli Press) by Jane Garmey, with photography by Mick Hales, reveals New York City to be a trove of great public gardens. They are a diverse group, reflecting Gotham's history, diversity, and vitality. This volume takes a score of the city's green spaces and examines their purposes and achievements. Since it examines three of NYBG's most notable features, Native Plant Garden, Enid A. Haupt Conservatory, and Peggy Rockefeller Rose Garden, we are perhaps *primus inter pares*, but Ms. Garmey and Mr. Hales take the reader to other equally renowned landscapes such as the High Line and Conservatory Garden, as well as some under the radar; take the A train to Fort Tryon Park's Heather Garden sometime in the weeks ahead and be horticulturally intoxicated. So public gardens require a public: to build, visit, and support; and yet...sometimes that is not quite enough. Another new volume, *Heroes of Horticulture: Americans Who Transformed the Landscape* (David R. Godine), adds something to the equation. Like the warmth that germinates a seed, a vision

is required to spring a garden to life, and in this book Barbara Paul Robinson examines the careers of 18 figures who created or transformed some of this country's best landscapes by providing that vision. Again, New York is outsized in the number of these master builders: Wave Hill without Marco Polo Stufano and Brooklyn Botanic Garden without Elizabeth Scholtz would be almost unimaginable now. Here at The New York Botanical Garden, the impact of two other transformational figures featured in Ms. Robinson's book is breathtakingly on display. My daily morning walk to NYBG Shop from the carpark, to the Ladies' Border and Perennial Garden (my excuse for being "late") is through two masterworks by Lynden B. Miller. Simply stated, they are works of art, without a doubt, and they are right here before me. Is there time for a lunchtime trot around the grounds to see the mind-bogglingly immense daffodil display, or get lost in lilacs, or enjoy the azaleas and non-azaleas in the Azalea Garden? That ambulation will reveal Gregory Long's ability to harness the various energies that run this unique place—the community's, the staff's, the donors', his own—and a compelling insight that has brought renewal and revitalization to this venerable landscape.



Getting and Giving the Most From Your Assets



When making a gift to The New York Botanical Garden, you probably reach for your checkbook or credit card. However, there are many other ways you can support the Garden and benefit by making the gift.

If you give appreciated stock to NYBG, you can avoid paying capital gains tax and receive a charitable deduction for your gift. And you can use gifts of stock to pay for your NYBG Membership, purchase tickets for NYBG events, or fund a charitable gift annuity.

To learn more about using appreciated stock to make a gift to the Garden, please call Lisa Sifre, Director of Planned Giving, at 718.817.8545 or visit our planned giving website at nybgplannedgiving.org

Dedicating a Bench at the Garden
By Lisa Sifre, Director of Planned Giving

As you stroll through the grounds of NYBG, you may find yourself sitting on a bench that has been dedicated in memory of Carl Tobias: a city boy who became a country gentleman and shared his love of nature with his family.

Carl was a New York native who grew up in Brooklyn, and when he became a successful businessman, he purchased a farm in Dutchess County. He spent his precious time and money planting and caring for specimen trees on his property. Carl's daughter recalls a severe storm that brought heavy rains and strong winds, and her father and brother Mel were determined to save a giant willow on the property. Sixty years later, the willow is still a fixture on the farm.

Carl's love of trees, shrubs, and the plant world developed from his countless visits to The New York Botanical Garden. He would often bring his family—especially in the spring. Together they would wander the grounds looking at trees and shrubs, and he would make a point to purchase his favorites on the way home to his farm. It was his way of having a piece of the Garden in his own backyard.

A fitting tribute to his love of NYBG, the Tobias family dedicated a bench in his memory. Today they continue to make frequent visits to the Garden, including the beloved *Holiday Train Show*, and of course to admire the trees. Carl's bench can be found in a very fitting spot—at the top of Tulip Tree Allée with a wonderful view of the magnificent trees.

Dedicating a bench in someone's honor or memory at NYBG is a meaningful gift for any plant lover or avid gardener. Our staff will assist you in choosing one of the select benches throughout our 250 acres, and help you create an inscription to honor a special person or occasion.

For more information about dedicating a bench, please contact Lisa Sifre at 718.817.8545 or lsifre@nybg.org, or visit nybg.org/join-support/honor-memorial-gifts



NYBG Welcomes New Trustee and Distinguished Counsellors



Gordon A. Uehling III (Trustee) is the founder and managing director of CourtSense, a technologically advanced tennis academy and training center based at New Jersey's Tenafly Racquet Club, which he purchased in 2006. A former world-ranked ATP (Association of Tennis Professionals) player, Gordon was a team member to former #1 tennis player in the world Novak Djokovic, as well as many other top professional and junior players. Mr. Uehling's family, his mother, Victoria, and late stepfather, Robert Zoellner, are founding sponsors of the *Holiday Train Show*®, and have underwritten this classic New York City holiday experience since the early 1990s.



Gloria M. Coruzzi, Ph.D. (Distinguished Counsellor) is the Carroll and Milton Petrie Professor at New York University's Center for Genomics and Systems Biology. A native New Yorker, she received her Ph.D. in Molecular & Cell Biology at New York University School of Medicine in yeast genetics. Dr. Coruzzi is also engaged in a collaborative National Science Foundation Plant Genome Project on the Comparative Genomics of Seed Evolution with NYBG, the American Museum of Natural History, and Cold Spring Harbor labs. She was named an American Association for the Advancement of Science Fellow in 2005, a Fellow of the American Society of Plant Biology (ASPB) in 2010, and was awarded the Stephen Hales Prize Plant Biology by ASPB in 2016. She currently serves on several science advisory and editorial boards.



Rafaela Campostrini Forzza, Ph.D. (Distinguished Counsellor) is a senior researcher at the Rio de Janeiro Botanical Garden, where she has worked for 15 years. She is a leader among the large community of scientists documenting and conserving the rich plant diversity of Brazil. Dr. Campostrini Forzza was born in Colatina, Espírito Santo, in the heart of the Brazilian Atlantic Rain Forest. She holds a degree in Biological Sciences from the Federal University of Juiz de Fora, a Master's in Biological Sciences (Botany) from the University of São Paulo, and a Ph.D. in Biological Sciences (Botany) from the University of São Paulo. In 2016 Dr. Campostrini Forzza launched the Brazilian Flora Online as a resource to document the flora of Brazil.



Joseph M. McShane, S.J. (Distinguished Counsellor) is the President of Fordham University. A native of New York City, Father McShane entered the Society of Jesus in 1967 and was ordained a priest in 1977. He received both BA and Master's degrees from Boston College, and a Master's in theology from the Jesuit School of Theology at Berkeley. He completed his doctorate at the University of Chicago. Father McShane served as a member of the Department of Religious Studies at LeMoyne College in Syracuse, New York, from 1981 to 1992. He was also Dean of Fordham College at Rose Hill in 1992. In 1998 he became the President of the University of Scranton, a post he held until he returned to Fordham in 2003 as the President.



Laurie D. Olin, FASLA (Distinguished Counsellor) is a distinguished teacher, author, and one of the most renowned landscape architects practicing today. He studied civil engineering at the University of Alaska and architecture at the University of Washington. He is currently Professor Emeritus of Landscape Architecture at the University of Pennsylvania, where he has taught for 40 years, and is former chair of the Department of Landscape Architecture at Harvard University. He is a recipient of the 2012 National Medal of Arts, the highest lifetime achievement award for artists and designers bestowed by the National Endowment for the Arts and the President of the United States. He also holds the 2011 American Society of Landscape Architects Medal, the society's highest award for a landscape architect.



Quentin D. Wheeler, Ph.D. (Distinguished Counsellor) is the fourth President of the State University of New York College of Environmental Science and Forestry in Syracuse, a position he has held since January 2014. He is an entomologist, taxonomist, author, and newspaper columnist, and is the founding director of the International Institute for Species Exploration. Previously, Dr. Wheeler was Professor of Entomology at Cornell University and Arizona State University, served as the Keeper and Head of Entomology at the Natural History Museum in London, and was Director of the Division of Environmental Biology at the National Science Foundation. He is the author of approximately 150 scientific articles and six books, and has named more than 100 new species. He writes a periodic column on new species for *The Guardian* newspaper in London, and produces the annual *Top 10 New Species* list.

Recent Grants Support NYBG’s Wide-Ranging Work

Bloomberg Philanthropies and **Bloomberg L.P.** have committed \$1,050,000 over the next two years to help fund the NYBG Interactive Mobile Guides for 2018 and 2019 summer exhibitions, *Georgia O’Keeffe: Visions of Hawai’i* and *Burle Marx: Brazilian Modern*, respectively. Their commitment also includes the creation of new year-round Interactive Mobile Guides for two NYBG permanent collections, one exploring the four-season changes of the Perennial Garden and another offering a virtual tour of the Enid A. Haupt Conservatory.

Acacia Conservation Fund renewed their support for NYBG’s plant conservation programs with a generous grant of \$100,000.

The Christensen Fund has made a new, two-year pledge of \$100,000 to support NYBG’s scientific research and conservation efforts in Vanuatu.

The Garden received a generous new grant of \$100,000 from the **Baisley Powell Elebash Fund** to support the *NYBG Summer Concert Series: An American Tribute*. With this funding, the Garden will also be able to distribute hundreds of free tickets to Bronx residents.

The Manton Foundation has awarded a \$200,000, two-year grant for NYBG’s Center for Conservation Strategy project, *Saving the American Ash*.

The **Ambrose Monell Foundation**, longtime funder of NYBG, renewed its commitment with a grant of \$100,000 for the Annual Fund.

The **New York State Department of Environmental Conservation** awarded NYBG a grant of \$71,951 for developing a GIS management tool that will assess the health and longevity of NYBG’s mature trees.

Newman’s Own Foundation has awarded NYBG a \$75,000 grant towards **Bronx Green-Up** and **Gardening 101**, and **201 Teacher Training** as part of their commitment to support organizations implementing model solutions to address fresh food access and nutrition education in underserved communities.

The Garden received a new grant of \$75,000 from **Science Sandbox, an initiative of the Simons Foundation**, in support of the Explorer Program, NYBG’s teen internship program.

The **Starr Foundation** made a generous gift of \$100,000 toward the Maurice Greenberg Scholarship Fund, which was established in 2011 and provides support to a student in NYBG’s Commodore Matthew Perry Graduate Studies Program.

NYBG has also received wonderful, new gifts in response to The President’s Fund in Honor of Gregory Long from the **Altman Foundation, Barker Welfare Foundation, Carnegie Corporation of New York, Cleveland H. Dodge Foundation, Lemberg Foundation**, and the **Prospect Hill Foundation**.

Citigold, a division of Citi, became a new sponsor of *The Orchid Show*.

Bank of America has renewed its support for NYBG with a \$100,000 sponsorship of *Georgia O’Keeffe: Visions of Hawai’i*.

Important support of *Georgia O’Keeffe: Visions of Hawai’i* has also been secured from **AERIN** (\$50,000), **Hawaiian Airlines** (\$50,000), **Hawai’i Tourism United States** (\$100,000), and **Hyatt Hotels and Resorts** (\$50,000), as well as from government funders, including the **National Endowment for the Humanities, National Endowment for the Arts**, and **New York State Council on the Arts. Sundance Now** is supporting the original documentary film, including promotion of the exhibition through the on-demand service.



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Suzanne and Tim Sennatt
Richard and Mable Seymour
Lanie Shahar, LCSW
Mr. and Mrs. Irwin Shlachter
Marc Silverman and Michael Casey
Andrew J. Simmons and
 Nancy Black Simmons
John Simpson
Christine A. Skaarup
Sandra and Mitchell Sockett
Hilary and Alan Soiefer
Mr. and Mrs. Leonard Solondz
Rosamaria Sostilio
Stephen Sprague and
 Catherine Capasso
Janice Stanton
Craig and Debbie Stapleton
Robert A.M. Stern
Professor and Mrs. Dennis Wm.
 Stevenson
Sabina and Harlan Stone
Studio in a School
Charlotte and John Suhler
Susan Kasen Summer and
 Robert D. Summer
Mrs. Leslie L. Sutton
Michael Swerdlow and Brian Craig
Mr. and Mrs. Frederick Sykes
TEAM P.R.OMOTION LLC
Nancy B. Tuma
Lauren Turchio and Brian Farrelly
Diane Ueberle
Rebecca Vanyo
Jia Qing Wang
Susan W. Weatherley
Dr. Daryl Louise Wieland and
 Mr. Andrew T. Berenblum
Scott Wilson
Lloyd and Elise Winans
Joan O'Meara Winant
Mr. and Mrs. Matthew A. Winkler
Jerry Ann Woodfin-Costa and
 Victor Costa
Barbara and Bill Wynne
Sara Zion
Anonymous (6)

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

The New York Botanical Garden is an iconic living museum. An oasis in this busy metropolis since its founding in 1891, the Garden is a dynamic, leading New York City cultural institution. A National Historic Landmark, the 250-acre site's verdant landscape supports over one million living plants in extensive collections. More than one million annual visitors enjoy the Garden, not only for its remarkable diversity of tropical, temperate, and desert flora but also for programming that ranges from renowned exhibitions in the Enid A. Haupt Conservatory and LuEsther T. Mertz Library to celebrations on Daffodil Hill.

The Garden is also a major educational institution. More than 300,000 people annually— among them Bronx families, schoolchildren, and teachers—learn about plant science, ecology, and healthful eating through NYBG's hands-on, curriculum-based programming; 90,000 of those visitors are children from underserved neighboring communities, while more than 3,000 are educators from New York City's public school system participating in professional development programs that train them to teach science courses at all grade levels.

NYBG operates one of the world's largest plant research and conservation programs, with 200 staff members—including nearly 100 Ph.D. scientists—working in the Garden's state-of-the-art molecular labs as well as in the field, where they lead programs in 49 countries.

Learn more at nybg.org

NYC Cultural Affairs The New York Botanical Garden is located on property owned in full by the City of New York, and its operation is made possible in part by public funds provided through the New York City Department of Cultural Affairs. A portion of the Garden's general operating funds is provided by The New York City Council and The New York State Office of Parks, Recreation and Historic Preservation. The Bronx Borough President and Bronx elected representatives in the City Council and State Legislature provide leadership funding.

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. Additional support for Mertz Library exhibitions has also been provided by The Andrew W. Mellon Foundation and by a Challenge Grant from the National Endowment for the Humanities.

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