Training the Next Generation of Leaders in Botanic Gardens

Amy Mawby, Director of Public Programs, Tyle Arboretum

Melanie Sifton, Vice President of Horticulture and Facilities, Brooklyn Botanic Garden

Sonja M Skelly, Ph.D., Director of Education, Cornell Plantations and Adjunct Assistant Professor

Brian W. Trader, Ph.D., Interim-Director of Longwood Graduate Program and Coordinator of Domestic and International Studies

CRADUATE PROGRAM IN PUBLIC HORTICULTURE CARDENS

Overview of American Public Horticulture Education

- 1990's
 - Awareness as a profession increases in academia
- Early 2000's
 - Universities begin implementing Public Hort. majors, concentrations, and emphasis
 - Purdue University, University of Delaware and University of Minnesota as examples
- 2005-2010
 - Decline in horticulture student enrollment
 - Consolidation of Horticulture programs





Environmental Scan

Public Horticulture in U.S. Academia

- Fewer than 10 institutions have opportunities for focus in public horticulture
- 5 programs have undergraduate public horticulture
 - California Polytechnic State University San Luis Obispo
 - Purdue University
 - Iowa State University
 - Oklahoma State University
 - University of Tennessee Knoxville





US Public Horticulture Graduate Programs

- Auburn University
- Cornell University

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GARDENS

THE LONGWOOD

GRADUATE PROGRAM IN

PUBLIC HORTICULTURE

- Longwood Graduate Program
- University of Nebraska Lincoln
- University of Tennessee Knoxville

INIVERSITY



Challenges

- Fewer students entering horticulture as a profession
- Fewer faculty teaching horticulture

INIVERSITY

- Public Horticulture programs are disappearing
 - University of Florida

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GRADUATE PROGRAM IN

PUBLIC HORTICULTURE

Kansas State University



Challenges

- Business administration
- Leadership and management
- Fundraising
- Hospitality
- Union workforces

- Human resources
- Insurance
- Health and safety
- Leadership transitions
- Global conservation
- Government and politics



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THE LONGWOOD GRADUATE PROGRAM IN PUBLIC HORTICULTURE

Brian W. Trader, Ph.D.

Interim-Director of Longwood Graduate Program Coordinator of Domestic and International Studies

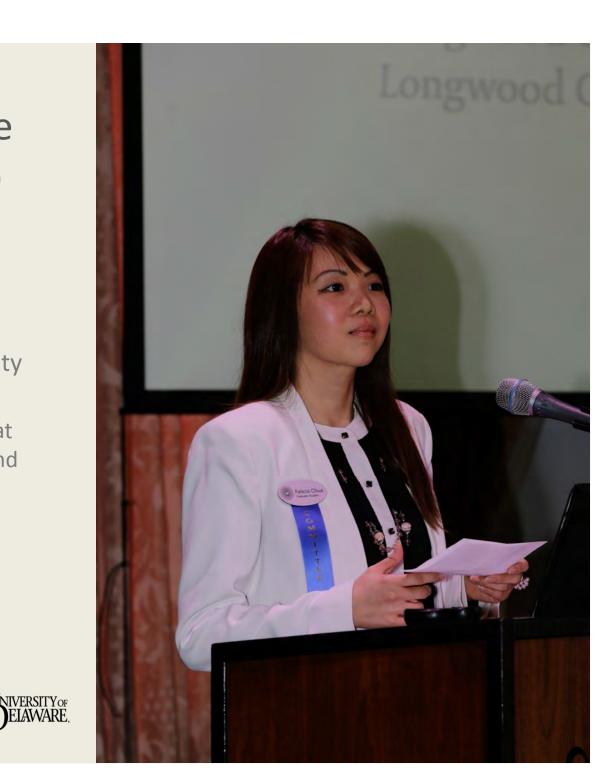
Longwood Graduate Program (est. 1967)

- Master of Science in Public Horticulture
 - Two-year academic program at the University of Delaware
 - Experiential learning at Longwood Gardens and other public gardens

LONGWOOD

GARDENS

 Ten fully funded fellowships per year





Past Evolution

- 1967–1987: M.S. in Ornamental Horticulture
 - "...providing qualified graduates to work into the top management positions of arboreta, botanical gardens, public display gardens and other horticultural establishments..." - May 17, 1966 memorandum from Russell J. Seibert to Trustees, Longwood Foundation, Inc.
- 1988–1997: M.S. in Public Horticulture Administration
 - Fellows eligible for Certificate in Museum Studies
- 1998–present: M.S. in Public Horticulture



Highlights of the Fellowship

- Summer immersion and retreat
- MS research thesis
- Professional Outreach Project
- Symposium Development
- International Experience: Project-based learning
- Professional Development/outreach
- Board representation
- Mentorship Program
- Diverse curriculum opportunities















Heritage Objects

The Heritage Object Display of the 2015 Longwood Graduate Program Symposium consists of eleven items from regional institutions, reflecting several centuries of history through a variety of materials. Each object represents an important part of its organization's heritage. Included are items used, designed, or owned by the founders of these lending organizations. Other items represent the land, the spirit, and the vision of their institutions. These objects help keep important memories alive and inspire possibilities for the future.

Heritage Objects contributed by:

The Chanticleer Foundation Delaware Nature Society Hagley Museum & Library Jenkins Arboretum & Gardens Longwood Gardens The Longwood Graduate Program in Public Horticulture The Morris Arboretum of the University of Pennsylvania The Scott Arboretum of Swarthmore College Tyler Arboretum Vinterthur Museum, Garden & Library Vyck Historic House, Garden & Farm



Longwood Gardens

KENNETT SQUARE, PENNSYLVANIA

Brass Fountain Head circa 1930s

Created to fit the No. 1 jet on Longwood's Main Fountain Garden, this sphere-shaped fountain head features 140 evenlyspaced holes around its circumference. The spray effects of this head are unknown as it has not been installed on the fountain in recent memory. Some speculate that it may have been special-ordered by Mr. du Pont as an experimental nozzle. 00

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Longwood Graduate Program: *Amy Hoffmann Mawby - Class of 2008*



Career Training in Public Horticulture: *Networking and Experiential Learning*



Career Training in Public Horticulture: *Group Project Management*



Career Training in Public Horticulture: Special Events Coordination





Education Coordinator

(2008 – 2013)



Director of Public Programs (2013 – present)



Preparing Future Leaders...



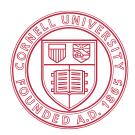






The Cornell Public Garden Leadership Program

Sonja M. Skelly, Ph.D. Director of Education, Cornell Plantations Adjunct Assistant Professor, Horticulture Section



Need

- Professionals in seek of graduate level education to advance or for a career change.
- Refining expertise
- Flexibility
- Developing knowledge and skills
 - Conservation
 - Sustainability
 - Leadership & business acumen
 - Hospitality
 - Union relations & human resources
 - Communications & marketing





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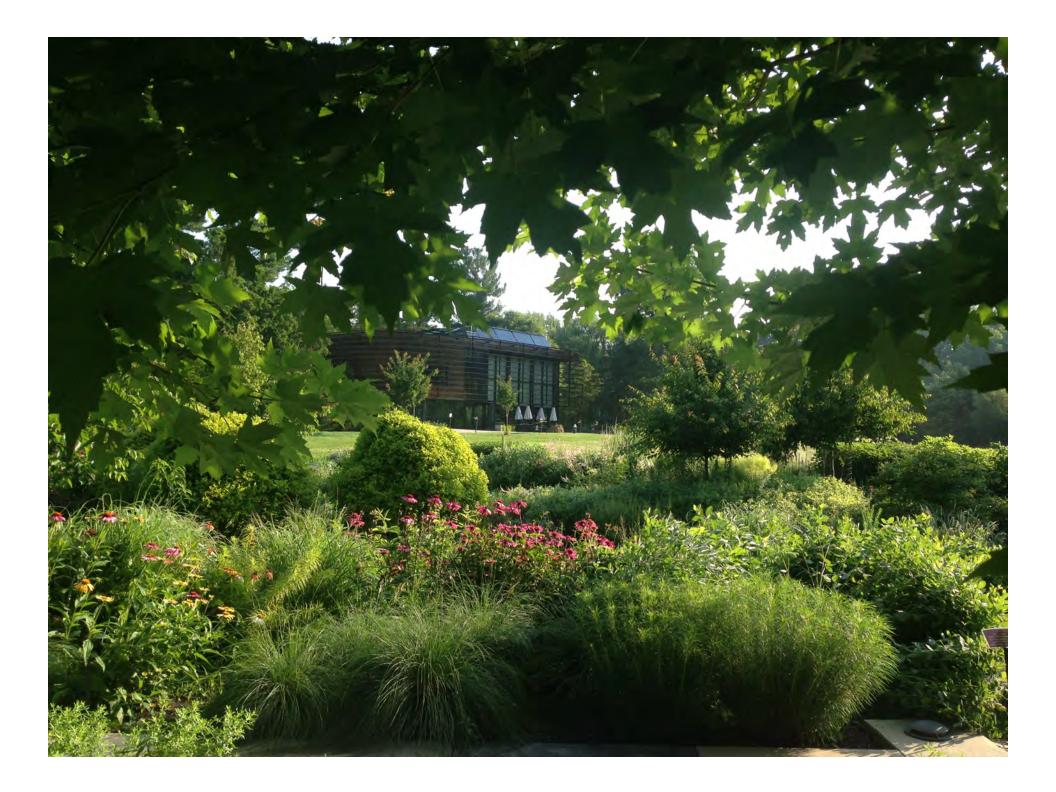
- Internationally recognized, top ranked University
- 4,000 courses across 100 departments
- Expertise:
 - Plant Science
 - Sustainability
 - Hospitality
 - Labor relations
 - Business
 - Communications & marketing

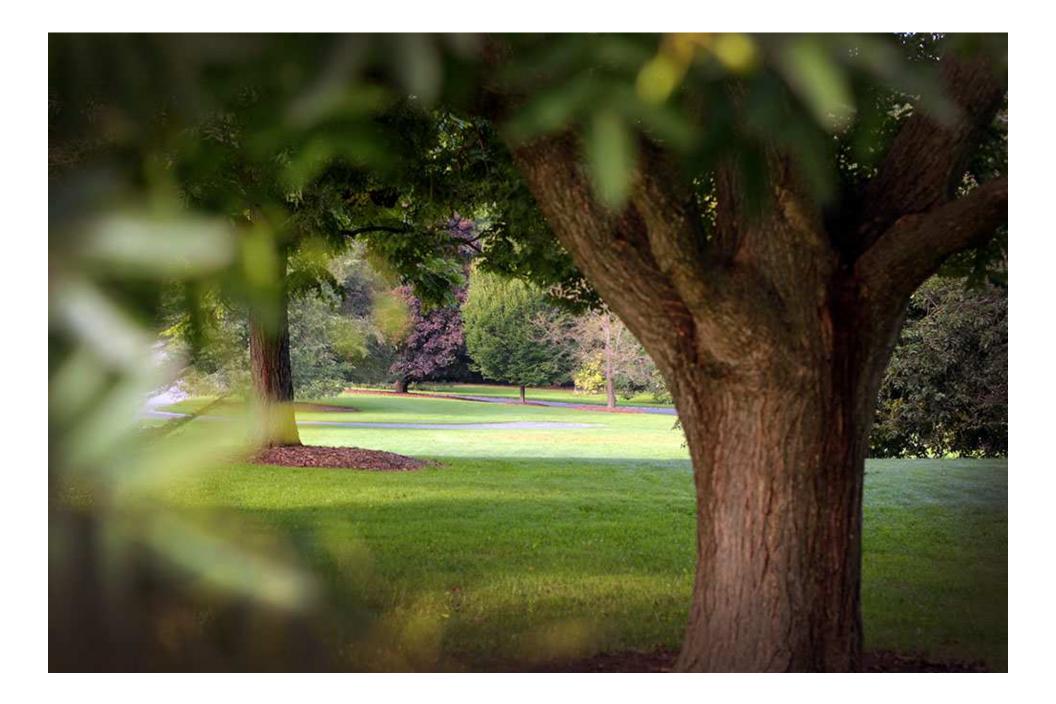


Cornell Plantations

- Botanical gardens, arboretum, natural areas
- 3500 acres, 42 staff
- Cultivation
- Conservation
- Education









Public Garden Leadership Program

- Program started in 2000
- Partnership: Cornell Plantations & Department of Horticulture



Masters of Professional Studies

- MPS program designed for those who want to build skills but are not interested in research careers
- Professionals embarked on careers who want to continue to learn
- Emphasis is on coursework not research
- Problem-solving or applied project



Public Garden Leadership Program

- MPS degree, 1-2 years
- Flexible course of study
- Leadership development
- Problem solving, applied project
- Professional development







Cornell University

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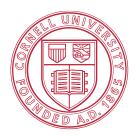


Public Garden Leadership Program

- Vice President Horticulture, Brooklyn Botanic Garden
- Executive Director, Ithaca Children's Garden
- Assistant Director, Cheyenne Botanic Garden
- Director of Public Programs, NEWFS
- Public Programs Manager, Chanticleer
- Manager of Horticulture Standards, National Parks Board of Singapore
- Lecturer, University of Greenwich

















2009 Graduate of the Cornell Plantations Public Garden Leadership Program

Melanie Sifton, Vice President, Horticulture & Facilities



Centre for Urban Ecology

Tom Arban

Fast Facts on Brooklyn Botanic Garden (BBG):

Founded in 1910

Over 800,000 visitors a year

Brooklyn has around 2.5 million residents, with rising population

Constituents are a very diverse cultural melting pot both culturally and socioeconomically

Equal funding from private, public support & income-earning activities



Sasha Wolf Gallery



Horticulture

Notable collections include: Bonsai Japanese Hill & Pond Garden Orchids Cycads Native Flora Prunus (flowering cherries) Roses ...and many more!

Plant collections comprised of:

17,313 accessions

+120,000 living plant specimens

+300,000 herbarium specimens

Valuable components of a public garden graduate program

Plants & Horticulture

Applied Research & Teaching



Fundraising

Support Brooklyn Botanic Garden

Brooklyn Botanic Garden thrives with the help of our closest friends. Support BBG through your membership or a general donation, bequest, tribute, or partnership. Help secure the Garden's future as a member of the President's Circle or with a donation to BBG's Campaign for the Next Century.

Donate Online

Become a Member

Cultivate Growing Minds



Support the Garden in the Next Century.





President's Circle Experience an insider's view.



Corporate Partnership Support BBG and your employees.



Dedications & Tributes Celebrate a loved one through BBG.



Planned Giving

Leave a lasting legacy at the Garden.

Development

Understanding Government Support

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CITY OF NEW YORK

Brooklyn Borough President Eric AdamsHon. Melissa Mark-Viverito, Speaker, and the New York City CouncilBrooklyn Delegation of the New York City CouncilNew York State AssemblyBrooklyn Delegation of the New York State AssemblyNew York State SenateBrooklyn Delegation of the New York State SenateInstitute of Museum and Library ServicesNew York City Department of Cultural AffairsNew York State Office of Parks, Recreation and Historic PreservationNew York State Department of Environmental Conservation





Sustainability



Interpretation



Managing Major Events

Other current leadership concerns



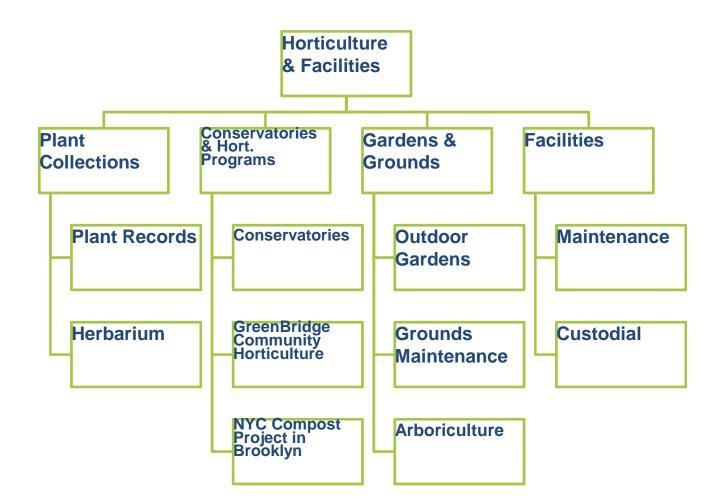
Disaster Management



Businesses and public services, must provide reasonable accommodations to protect the rights of individuals with disabilities in all aspects of employment and access to services.

Accessibility

Labor & Union Relations

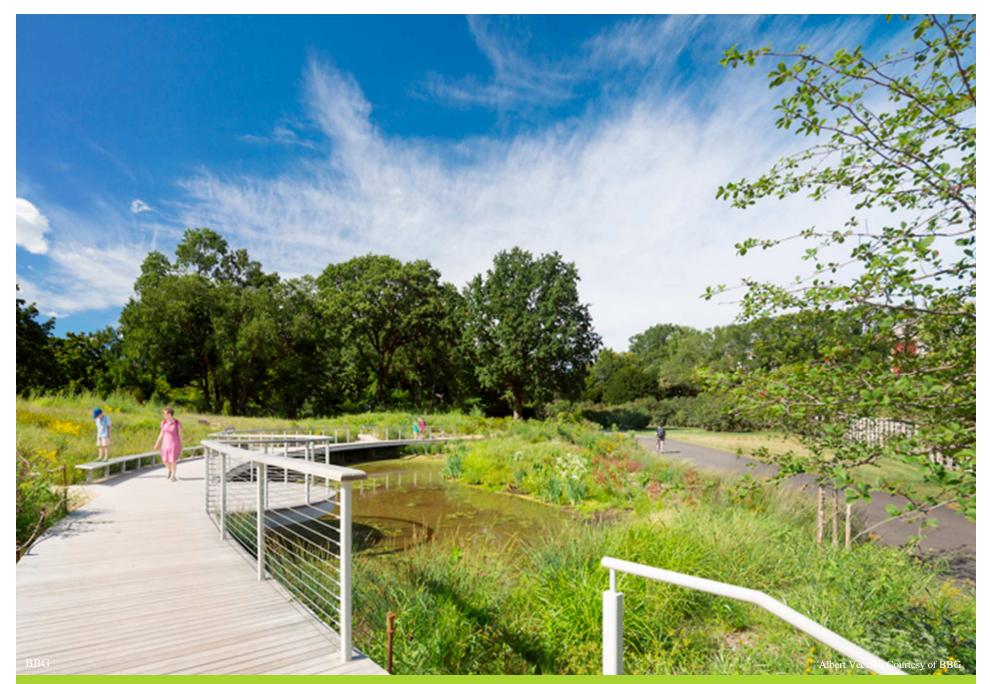




Managing venues for private events



Informal programs for families



Plant Conservation



Stay Connected

Subscribe to our monthly eNewsletter and connect with us on social media to find out about bloom updates, Garden news and events, and more.

Email Address		
First Name	Last Name	Zip Code



Featured Event



Plants in Bloom



Hamamelis × intermedia 'Arnold Promise' (witch hazel) in the Perennial Border. Photo by Sarah Schmidt. April 1, 2015

Social Networking

Challenges

- Business administration
- Leadership and management
- Fundraising
- Hospitality
- Union workforces

- Human resources
- Insurance
- Health and safety
- Leadership transitions
- Global conservation
- Government and politics

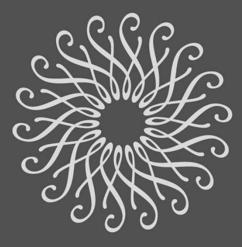


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