

SEASONS

Fall 2013

Volume 42 Number 3



Morris Arboretum
UNIVERSITY of PENNSYLVANIA

Official arboretum of the Commonwealth of Pennsylvania

A Note from the Executive Director

PAUL W. MEYER, *The F. Otto Haas Executive Director*

A Sanctuary for Feathered Friends

The diverse landscapes and rich plant collections are not the only things that delight visitors at the Morris Arboretum. The Arboretum also serves as a de facto bird sanctuary. The many forests, meadows, lawns, shrub borders and streams serve as a rich source of food and nesting habitat for our avian friends. For many years, the Arboretum has been a favored site for the Audubon Society's bird count, and a vast array of bird life has been logged. This past summer, visitors were excited to see a bald eagle on multiple occasions, perching at Bloomfield Farm and feeding in the wetland.

Noted ornithologist and Arboretum instructor, Ruth Pfeffer, is effusive when talking about the Arboretum as a site for bird watching. She noted that this past spring she observed golden crown kinglets, ruby crown kinglets and brown creepers feeding in the dawn redwood groves. Recently, she was amazed when one of her students spotted a pair of great crested flycatchers near the Widener Education Center.

Photo: Ruth Pfeffer



Planning is now underway to better interpret plants that provide food and habitat for birds at the Arboretum. Local experts are being consulted for advice on the best plants to help attract birds to home gardens. These may range from stately oaks, to shadbush and holly. Some favorite herbaceous plants such as coneflowers, which attract goldfinches, and cardinal flowers, which attract hummingbirds, will be featured and suggested as great plants that both gardeners and birds will find desirable. The new exhibit, which will include a bird feeding station and bird houses, will be centered at the F. Otto Haas Oak Allée, but will also feature multiple interpretive stations throughout the Arboretum where plants that attract birds will be highlighted.

Related to the plants-for-birds exhibit, plans are also being made to improve the walking trails through the Arboretum's woodlands along the Wissahickon Creek. For more intrepid hikers, this area is a popular way to get between the Fernery and the wetland. The wetland and its associated meadows are the richest Arboretum habitat for birds. Here, relatively rare species like bald eagle, little green heron and the magnificent great blue heron are regularly spotted. The new trail alignment will make it both safer and easier for visitors to access the forest and wetlands, and enjoy the special treasures of plant and bird life.

The Arboretum will also continue to enrich its ornithological program offerings. Last year, more than 200 students and adults joined in 51 birding programs which included classes, bird walks and bird counts. In recent years, citizen scientist opportunities have expanded, and a new volunteer bluebird monitoring program was introduced last spring.

Whether you are a botanist, horticulturist, ornithologist or a home gardener, the Arboretum offers many layers of interest. This newest exhibit, planned for opening next spring, will further tap and engage you – whatever your passion.

Paul

Photo: Susan Marshall



Photo: Nick Kelsh

Morris Arboretum of the University of Pennsylvania

Published quarterly as a benefit of membership.
Inquiries concerning back issues, missing issues, or
subscriptions should be addressed to the editor.

Available on microfilm.

USPS: 349-830. ISSN: 0893-0546

POSTMASTER: Send form 3759 to Newsletter,
100 East Northwestern Avenue, Philadelphia, PA
19118.

Christine Pape, Editor

The Morris Arboretum of the University of
Pennsylvania is an educational institution that
promotes an understanding of the important
relationships between plants, people and place.
The Arboretum conducts three major activities –
horticultural display, public and professional
education, and botanical and horticultural research.

Public Garden Hours:

Mon-Fri, 10-4

Sat/Sun, 10-5 (April - Oct.)

Sat/Sun, 10-4 (Nov. - March)

Thurs. 10-8:30 (June, July, August)

Information:

(215) 247-5777

www.morrisarboretum.org

<http://www.upenn.edu/paflora>

Guided Tours:

Every Sat/Sun, 2 p.m.

Visitor Entrance:

100 East Northwestern Avenue between
Germantown and Stenton Avenues in the
Chestnut Hill section of Philadelphia

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Arboretum Rentals

Hold your special event in one of Philadelphia's
most beautiful settings. The Widener Center and
surrounding grounds are available for weddings,
parties, and private and corporate meetings up to
170 guests. For details contact Adele Waerig, Visitor
Services Coordinator, at (215) 247-5777, ext. 158.

e-newsletter

Would you like to receive our monthly e-newsletter
and other Arboretum updates via email? It's a
great way for you to stay up-to-date on upcoming
events, register online and help us save trees! Email
members@morrisarboretum.org to be added. To
address the problems of SPAM, many Internet Service
Providers (ISPs) and email systems now block or
filter email that is not from a "safe sender." Please
add info@morrisarboretum.org and members@morrisarboretum.org to your list of accepted senders
or friends list if you wish to receive this information.

Cover Photo: Judy Miller

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Photo: Paul Meyer





Photos: Louise Clark

‘Gro-low’ for Autumn Glow—Fragrant Sumac

LOUISE D. CLARKE, Horticulture Section Leader – Bloomfield Farm

A star performer of the landscape at the Morris Arboretum’s Horticulture Center is *Rhus aromatica* ‘Gro-low’. Fragrant sumac, as it is commonly known, is a selection of the eastern North American native shrub that makes a superb choice for use as a groundcover or slope stabilizer. Related to poison ivy, but completely non-toxic, ‘Gro-low’ has a dense, low-growing habit that spreads up to eight feet by suckering, yet tops out at a modest one to two feet tall. Content in full sun to part shade, and hardy to zone three, it is adaptable to all but the most poorly drained soils. Its arresting red to orange autumn foliage is preceded by trifoliate glossy, green leaves in summer. With smaller leaves than other sumacs, it displays a medium to fine texture in the garden.

The *aromatica* epithet refers to the pleasing herbal fragrance that is released when leaves and twigs are bruised. Tiny yellow flowers at the twig tips appear in spring before foliage emerges, and separate male catkins, which provide winter interest, persist and bloom in spring. Female flowers develop by late summer into clusters of showy, small red berries that are attractive to wildlife. Relatively pest free, it attracts birds and butterflies, but is unappetizing to deer or rabbits.

While not so interesting for use as a specimen plant, ‘Gro-low’ quickly forms attractive mass plantings. Fragrant sumac is valuable in the landscape as a groundcover where some height is desired. Due to its suckering habit, it also excels



as a soil stabilizer, and can be used on slopes or banks for erosion control, or where garden maintenance is difficult.

‘Gro-low’s adaptability has been tested on the Arboretum’s intensive green roof, where it has flourished in full sun, alkaline growing medium, and droughty summer conditions. Its autumnal display of crimson to orange foliage punctuates the tawny browns and golds of mature grasses on the roof. Its suckering habit and fibrous root system knits the green

roof planting medium in place. Due to its vigorous growth, it does require pruning to keep it from encroaching on its neighbors. ‘Gro-low’ can be pruned significantly, and shaping it into an informal hedge is possible.

Fragrant sumac also happily resides in the Horticulture Center parking lot beds, where it laughs at summer’s heat reflected from the paving, an atmosphere most other garden plants find inhospitable. ‘Gro-low’ can be seen in a shady location in the ravine garden, north of the Mercury Loggia, where one can more easily appreciate its ground covering qualities. In this setting however, it doesn’t develop the same intensity of fall coloration as when it is grown in full sun.

Selected as a gold medal plant by the Pennsylvania Horticultural Society in 2009, ‘Gro-low’ sumac exhibits hardiness, reliable performance in a wide range of conditions, and three season appeal – all characteristics that make it ideal for our regional landscapes. Give this tough native a try in your own challenging landscape conditions.

Every day, you are making a difference
at the Morris Arboretum.

Through your support . . .



Photo: Paul Meyer



Photo: Moskow Photography



Photo: Paul Meyer

You are ensuring that the garden exhibits and historic features found within this extraordinary, 167-acre landscape are being preserved for the enjoyment of thousands of Arboretum visitors.

You are impacting a new generation of learners through the provision of rich educational experiences for both children and adults.

You are advocating for the conservation of open spaces and the protection of endangered plants through gifts that strengthen the Arboretum's critical work in botanical research and consultation.

Today, you are invited to continue cultivating the future
of the Morris Arboretum through your support.

- ✦ Preserve the experience.
- ✦ Impact the next generation.
- ✦ Be a voice for the natural world.

Contact Melissa Calvert, Director of Development, at (215) 247-5777, ext. 102, or at mcalvert@upenn.edu to learn more about the ways in which you can continue to support the mission of the Morris Arboretum.



Photo: Christine Pape

Collectors Circle Matching Challenge

The Morris Arboretum has a living collection of more than 13,000 specimen trees and shrubs, and is one of the most beautiful landscapes in the region. Situated on 92 acres in the city of Philadelphia, it is here that more than 125,000 visitors annually escape to the Arboretum – whether it is a quiet walk in the garden or as a participant in one of our many programs. The organizational reach of the Morris Arboretum goes far beyond its surrounding community. Our horticulturists and botanists are leaders in their fields of study and provide information that is used regionally, nationally, and globally.

This far-reaching impact is made possible by generous, unrestricted annual donations. In order to engage and steward leadership donors, the Collectors Circle was established in 2011. Collectors Circle members provide annual unrestricted gifts that are the foundation for organizational strength and capacity at the Morris Arboretum. In appreciation of their generous support, the Collectors Circle provides the benefits of general membership along with enhanced opportunities for engagement with Morris Arboretum staff and members.

Now commitments to the Collectors Circle are more impactful than ever. An anonymous Morris Arboretum board member has pledged a 1:1 match, up to \$250,000, for multi-year pledges to the Collectors Circle between now and June 30, 2014. Since joining the board, this member has been an advocate of unrestricted gifts because of their importance to building organizational capacity and providing institutional stability. To make your pledge or to learn more, please contact Jessica Lynch at (215) 247-5777, ext. 161 or via email at jeslynch@upenn.edu.

Collectors Circle membership levels:

\$2,500 – \$4,999

Includes all of the benefits of General Membership, plus:

- Exclusive events, including behind-the-scenes tours and garden parties at private residences
- Plant of special significance distributed at the annual Plant Sale
- Arboretum golf cart tour for up to 5 participants (by reservation)
- One hour consultation of your garden with an Arboretum horticulture expert
- Complimentary gift membership to share
- 2 guest membership cards (each admits up to 2 adults and 4 children)
- Recognition in Arboretum publications

\$5,000 – \$9,999

Includes all of the benefits listed at the previous level, plus:

- Private guided tour with the Gayle E. Maloney Director of Horticulture (by reservation)
- 20 percent discount on facility rentals
- Complimentary education course (no limit on value)

\$10,000 – \$24,999

Includes all of the benefits listed at the previous level, plus:

- Home garden consultation with the Gayle E. Maloney Director of Horticulture (by reservation)

\$25,000 – \$49,999

Includes all of the benefits listed at the previous level, plus:

- Private dining experience with the F. Otto Hass Executive Director (by reservation)

\$50,000 and beyond

Includes all of the benefits listed at the previous level, plus:

- Complimentary *Out on a Limb* evening facility rental

Lydia Morris Legacy Society

A Tale of Two Legacies

VICTORIA SICKS, Associate Director, Individual and Planned Giving

Roberta Berg has been an active, dedicated member and volunteer at the Morris Arboretum since the mid-70s. A lifelong Philadelphian, she was one of the Arboretum's first interns, an early and enthusiastic guide, an Advisory Board member, and an early supporter of the development of the wetlands. With her most recent gifts, Roberta is creating two legacies at the Morris Arboretum.

Roberta is helping to establish a new program dedicated to recording and preserving the stories that link Morris Arboretum members to their experiences in nature, with horticulture, and with the garden.

What early influences led you down "the garden path?" What are the important lessons you have learned from gardening? Is there an event that links you to the world of horticulture, to the Morris Arboretum? These are the sorts of questions being developed by Arboretum staff to aid the interviews that will be gathered. At the same time, archive volunteers led by archivist Leslie Morris-Smith, are researching the best ways to store the oral histories and make them available via the Arboretum's website. Look for the expansion of this new and exciting program in coming months.

Photo: Paul Meyer



Roberta has also planned to leave a legacy for the Morris Arboretum through a bequest as part of her estate planning. Since the Morris Arboretum was established through the bequest of Lydia Morris in 1933, many individuals have left

estate gifts that have strengthened the institution. Roberta understands that this powerful gesture of trust will allow the Arboretum to flourish for generations to come. The whole Arboretum community thanks Roberta for the vision that has inspired these two lasting legacies.

If you are interested in leaving a legacy for the Morris Arboretum through a bequest or other planned giving option, please be in touch with Victoria Sicks, Associate Director, Individual and Planned Giving, at (215) 247-5777, ext. 152 or via email at vsicks@upenn.edu.



Photo: Victoria Sicks

Plant Clinic

Help! What is this plant? Why does it look sick? These are the two biggest questions the experts at the Morris Arboretum's Plant Clinic often answer. Not familiar with the Plant Clinic? This free service is available all year long; anyone from the home gardener to landscape professionals is encouraged to take advantage of the expertise offered by the botany and horticulture staffs at the Morris Arboretum.

The Plant Clinic is located on the lower level of the Widener Visitor Center. Samples you wish to be evaluated may be dropped off from 10am-4pm daily, or you may speak to an expert in person from 1-3pm each weekday (closed Thursdays). If you are leaving a sample of your plant, please include a description of your observation or concern, and how you can best be reached. You may also contact the Plant Clinic at (215) 247-5777, ext. 141 or via email at plntclnc@exchange.upenn.edu.

Discover the new morrisarboretum.org!

Morris Arboretum is pleased to announce the launch of a newly redesigned website. The new site utilizes a responsive design that allows for mobile and tablet device compatibility. Additional sections have been created in areas such as Research, Major Trees, and Partners in Education. In addition, it is now easier than ever to find some of the most frequently visited pages such as Events, Garden Features, and Volunteer Opportunities. You are invited to visit the new website and experience all the great new features for yourself. Whether you are new to the Arboretum and looking for directions, an expert gardener seeking information on our extensive plant collection, or interested in one of the Arboretum's many continuing education classes, there is something for everyone at the new morrisarboretum.org!

The Morris Arboretum has also partnered with the online ticketing site, TicketLeap.com, to allow for advanced ticket purchase to concerts and special events. Advanced online ticket purchases not only provide a cost savings for visitors, but save time at the gate as well. Look for the *Purchase Tickets Now* button on select events.

The new Morris Arboretum website was designed and developed by Stephanie McNabb. Stephanie joined the Arboretum Marketing Department in August 2012 as part-time web manager. She holds a BFA in Graphic Design from Rochester Institute of Technology and has a background in advertising.



The new website allows for compatibility on mobile devices .



fall events

OCTOBER

1 Stroller Strides®

**Tuesdays, October 1, 15, & 29,
10:30-11:30 am**

This total fitness program that moms can do with their babies includes power walking, strength-training intervals, and a unique blend of Pilates, barre, yoga, and stroller-based exercises. You must be at least six weeks post-partum to participate in this series. Pre-registration and payment required, register: <https://online.morrisarboretum.org/GrowingMinds>

5 Native Trees Tour

**1st & 3rd Saturday in October
(5th, 19th), 11am**

Meet in front of the Widener Visitor Center and take a guided tour of the native trees at the Morris Arboretum. Knowledgeable guides will point out each tree's landscape merits, as well as its vital role in our environment.

5 Garden Discovery Series – Paleobotany Play dough

Saturday, October 5, 11am-3pm

Walk in the shoes of a paleobotanist and explore the fascinating world of fossil plants. Make leaf impressions with play dough, learn about ancient plants, discover petrified wood, and examine tree rings.

5 Fall Festival

**Saturday, October 5 & Sunday,
October 6, 10am-3pm**

Don't miss this weekend of autumn fun that has become an annual tradition for many families. Make your own scarecrow, paint a pumpkin, sample different varieties of apples and more. Special guests from the Elmwood Park Zoo will be visiting from 12-3pm both days. Also on hand from 12-3pm both days will be the Colonial Lego® Users Group who will help facilitate the construction of a large Lego® pumpkin.



Photo: Arnold Winkler

8 Storytime at the Morris Arboretum

**Tuesdays, October 8 & 22,
10:30-11am**

Enjoy your morning listening to fabulous stories in the Outdoor Children's Classroom (weather permitting) or Upper Gallery as told by a William Jeanes/ Springfield librarian. Take a walk in the garden after Storytime. Free for members or free with admission.



Photo: Jack Stone

20 Bloomfield Farm Day

Sunday, October 20, 12pm-3pm

Come celebrate the agricultural history of the Arboretum's Bloomfield Farm. Located across the street from the main entrance, Bloomfield Farm houses the Arboretum's oldest and newest buildings – Springfield Mills, which dates back to 1760, and the LEED platinum certified Horticulture Center complex, which was completed in 2010. This event will commemorate the rich agricultural past of the property, and celebrate the ongoing restoration of Springfield Mills. Take advantage of this rare opportunity to explore the property, which is not ordinarily open to the public. The afternoon will feature tours of the buildings, demonstrations by quilters, beekeepers and weavers, vendors, music, food, and activities for children.

Photo: Arnold Winkler



Scarecrow Walk

**Open daily Saturday, October 5
through Sunday, October 20**

The scarecrows are here! More than 30 scarecrows will be on display for three weeks along the Oak Allée. Come vote for your favorite in both categories, "Fall Favorites" and "What Do I Want To Be When I Grow Up?" to determine which 'crows will be the prize winners!

October





SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 Stroller Strides® 10:30-11:30 am	2	3	4 	5 Scarecrow Walk Opens Fall Festival 10am-3pm Native Trees Tour 11am Garden Discovery Series – Paleobotany Play dough 11am-3pm
6 Fall Festival 10am-3pm	7	8 Storytime at the Morris Arboretum 10:30-11am	9 	10	11	12
13	14	15 Stroller Strides® 10:30-11:30 am	16	17	18	19 Native Trees Tour 11am
20 Scarecrow Walk Closes Bloomfield Farm Day 12pm-3pm	21 	22 Storytime at the Morris Arboretum 10:30-11am	23	24	25	26
27	28	29 Stroller Strides® 10:30-11:30 am	30	31 		

November

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2 Winter Wellness Walks 10:30-11:30am Native Trees Tour 11am
3	4	5	6	7	8	9 Winter Wellness Walks 10:30-11:30am
10	11	12 Stroller Strides® 10:30-11:30am	13	14	15 	16 Winter Wellness Walks 10:30-11:30am Native Trees Tour 11am
17 	18	19	20	21	22	23 Winter Wellness Walks 10:30-11:30am Holiday Garden Railway Display Grand Opening 1pm – 3pm
24	25	26 Stroller Strides® 10:30-11:30am	27 	28 Arboretum Closed	29	30 Winter Wellness Walks 10:30-11:30am

* pre-registration and/or fee required.

December

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 	5	6 Premier Members Holiday Garden Railway Evening 4pm-8pm	7 Winter Wellness Walks 10:30-11:30am A Holiday Concert with the Penn Glee Club 2pm-3pm
8	9	10 Stroller Strides® 10:30am-11:30am	11	12	13 Friday Night Lights 4pm-7pm	14 Winter Wellness Walks 10:30-11:30am
15	16	17 	18	19	20 Friday Night Lights 4pm-7pm	21 Winter Wellness Walks 10:30-11:30am
22 	23	24 Arboretum Closed	25 Arboretum Closed	26	27 Friday Night Lights 4pm-7pm	28 Winter Wellness Walks 10:30-11:30am
29	30	31				

January





SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 Arboretum Closed	2	3	4 Winter Wellness Walks 10:30-11:30am
5	6	7	8	9	10	11 Winter Wellness Walks 10:30-11:30am
12	13 	14	15	16	17 	18 Winter Wellness Walks 10:30-11:30am
19	20	21	22	23	24	25 Winter Wellness Walks 10:30-11:30am
26 Lecture: Informing Land Preservation through Science 2pm	27	28	29 	30	31	

Photo credits: Paul W. Meyer, Joan Kober, Judy Miller, Brian Dooner, Paul Warchoal, Dave Cavanaugh, Bob Gutowski, Zac Brooks and Rusty Kennedy.

fall events



Photo: Arnold Winkler

NOVEMBER

- 2 Native Trees Tour**
1st and 3rd Saturdays in November (2 & 16), 11am
 Meet in front of the Widener Visitor Center and take a guided tour of the native trees at the Morris Arboretum. Knowledgeable guides will point out each tree's landscape merits, as well as its vital role in our environment.

- 2 Winter Wellness Walks**
Saturdays, November thru March, 10:30-11:30am
 Meet in front of the Widener Visitor Center for a brisk walk led by an experienced volunteer guide. We will stick to the paved paths but will get you moving and increase your heart rate.

- 12 Stroller Strides®**
Tuesdays, November 12 & 26, 10:30-11:30am
 This total fitness program that moms can do with their babies includes power walking, strength-training intervals, and a unique blend of Pilates, barre, yoga, and stroller-based exercises. You must be at least six weeks post-partum to participate in this series. Pre-registration and payment required, register: <https://online.morrisarboretum.org/GrowingMinds>

- 22 Holiday Garden Railway Display**
Friday, November 22 through Sunday, January 5, 10am-4pm (closed Christmas Eve and Day and New Year's Day)
 A delight for both young and old, welcome the holiday season with a visit to the Garden Railway Display. This magical garden gets decked out for the holidays with twinkling lights and seasonal decorations.

- 23 Holiday Garden Railway Display Grand Opening**
Saturday, November 23, 2013, 1pm - 3pm
 Come see the Holiday Garden Railway dressed in its wintry finest! Take part in a fun craft for the kids and enjoy the winter garden.

DECEMBER

- 6 Premier Members Holiday Garden Railway Evening**
Friday, December 6, 4pm-8pm
 Beech members and above are invited to see visit the Holiday Garden Railway after dark for a magical experience in the winter garden. Registration is required and eligible members will receive an invitation with registration information. Would you like to attend? Consider upgrading your membership by calling (215) 247-5777, ext. 151 or ext. 155.

- 7 Winter Wellness Walks**
Saturdays, November thru March, 10:30-11:30am
 Meet in front of the Widener Visitor Center for a brisk walk led by an experienced volunteer guide. We will stick to the paved paths but will get you moving and increase your heart rate.

- 7 A Holiday Concert with the Penn Glee Club**
Saturday, December 7, 2pm-3pm
 A winter tradition, the Penn Glee Club will return to Morris Arboretum on Saturday, December 7th for their fourth annual Holiday Concert. Come and enjoy the Glee Club's fun and diverse holiday repertoire, while enjoying hot cocoa and cookies in the garden.



Photo: Miriam Von Essen

- 10 Stroller Strides®**
Tuesday, December 10, 10:30-11:30am
 This total fitness program that moms can do with their babies includes power walking, strength-training intervals, and a unique blend of Pilates, barre, yoga, and stroller-based exercises. You must be at least six weeks post-partum to participate in this series. Pre-registration and payment required, register: <https://online.morrisarboretum.org/GrowingMinds>

- 13 Friday Night Lights**
Fridays, December 13, 20, 27, 4pm-7pm
 Come and enjoy the Holiday Garden Railway Display magically lit up after dark and decorated for the season. See back cover for more details.

ADMISSION

Adults (18 - 64yrs.)	\$16
Senior (65+yrs.)	\$14
Children (3 - 17yrs.)	\$7
Members	FREE

* Please note, Arboretum events are subject to change without notice.

In the event of inclement weather, please check the website at www.morrisarboretum.org for information or call (215) 247-5777, ext. 0.

Volunteers Keep the Arboretum Strong

MICHELLE CONNERS, *Event Coordinator*

LIZA HAWLEY, *Visitor Education Coordinator*

Through their efforts, volunteers at the Arboretum help the gardens grow and flourish, and introduce thousands of schoolchildren to the wonders of the outdoors. Still others lend a helping hand at special events, or greet visitors at the Garden Railway display during the summer months. No matter what their passion or their role, their contributions are vital to the day to day operations at the Arboretum. The individuals below are a few who have demonstrated dedication and longevity as volunteers. They have watched the Arboretum evolve, and provided valuable and essential support from behind the scenes. We thank them for the gift of their time and their commitment to the Morris Arboretum and its mission.

Marcia Steinberg

Marcia Steinberg, outgoing Chair of the guides, is a former biology teacher at Temple University. In 2000, she trained as a guide and has used her science background to enhance the Arboretum experience for visitors, other volunteers and staff ever since. Marcia served on multiple tour development sub-committees before being tapped to serve as the Guides' Education Committee Chair. Following this, she was elected Chair of the Education Volunteer Organization. In this capacity, she regularly entertained and educated with her "Notes from the Chair" in the volunteer newsletter. In addition to giving tours, Marcia teaches the photosynthesis portion of Botany for Beginners to the new guide training class and currently serves as recording secretary for the Greater Philadelphia Area Docent Consortium. Although she's already given more than 2,000 hours to the Arboretum, we hope Marcia will continue to be an active part of the volunteer family.

Photos: Stephanie McNabb



Maggie Funderberg

For the past 27 years, Maggie Funderberg has been a dedicated Wednesday morning horticulture volunteer. Upon her retirement as an early childhood teacher, Maggie decided she wanted to do something completely different in her new career as a volunteer. Although she now lives closer to the Arboretum, for many years she commuted from her home in Powelton Village, often bringing along foreign students at the university to volunteer as well. Maggie and the other committed horticulture volunteers like her have been invaluable in maintaining the Arboretum's magnificent garden displays.



Jean Lamason and Marilyn Steeg

Jean and Marilyn are good friends who met years ago while volunteering at The Highlands. Since the Garden Railway display first opened 15 years ago, Jean and Marilyn have been sharing their enthusiasm for the trains with Arboretum visitors. Both came to volunteering as a natural extension of their busy lives – Jean's as a mother and homemaker, and Marilyn's as a public relations and marketing professional. Jean was also instrumental in fundraising efforts to memorialize Reg Tickell, a fellow longtime volunteer. As the Garden Railway has grown in both size and popularity, faithful volunteers like Jean and Marilyn are prized for their ability to continually enhance the visitor experience.



An opportunity to visit private gardens in Belgium

June 7-15, 2014

The Morris Arboretum is planning a unique trip to Belgium in the late spring of 2014. This will be a special opportunity to visit a number of private gardens and arboreta including Wespelaar, the property developed by Philippe de Spoelberch. Mr. de Spoelberch spoke of his interest in trees and their conservation at Wespelaar when he visited the Morris Arboretum in 2011. If you are interested in learning more about this trip, please contact Victoria Sicks at (215) 247-5777, ext. 152 or via email at vsicks@upenn.edu.



Photo: Paul Meyer

Membership Benefits

Show your valid membership card at these retailers and save! For more information visit www.bit.ly/MAdiscounts.

The Apothecary Garden
Philadelphia PA – 215.247.2110
www.theapothecarygarden.org
10% discount

Artefact Architectural Antiques
Furlong PA – 215.794.8790
www.artefactantiques.com
10% discount

Avenida Restaurant
Philadelphia PA – 267.385.6857
www.avenidarestaurant.com
\$10 off when you spend \$50 or more

The Bone Appetite
Philadelphia PA – 215.247.4292
www.theboneappetiteonline.com
10% discount (Food NOT Included)

Botanical Expressions
Flourtown PA – 215.836.4959
www.botanical-expressions.com
10% discount

The Carol Schwartz Gallery
Philadelphia PA – 215.242.4510
www.carolschwartzgallery.com
10% discount

The Cedars House
Philadelphia PA – 215.242.3121
www.thecedarshouse.com
10% discount on food & program purchases

Cedar Run Landscapes
North Wales PA – 800.526.3722
www.cedarrunlandscapes.com
10% on purchases up to \$250.00

Countryside Nursery and Garden Center
Newark DE – 302.832.1320
www.countrysidegardencenter.com
10% discount

Daniel's Lawn and Garden Center
Harleysville PA – 610.287.9144
www.danielslawnandgarden.com
10% discount

David Brothers Bean Road Nursery
Worcester PA – 215.247.2992
www.davidbrothers.com
10% discount on all native plants in stock

Earth Bread and Brewery
Philadelphia PA – 215.242.6666
www.earthbreadbrewery.com
15% off food only

Frank's Union Wine Mart
Wilmington DE – 1.800.283.7265
www.frankswine.com
20% discount on wine

Gasper Landscapes
Richboro PA – 215.396.2880
www.gasper.net
15% discount on regular priced merchandise

Ground Zero Salon
Philadelphia PA – 215.242.2555
www.groundzerosalons.com
15% off any service

Holly Days Nursery and Landscaping
Ambler PA – 215.283.3228
www.hollydaysnursery.com
10% discount on plant material

Laurel Oak Garden Center
Marlton NJ – 856.596.7779
www.laureloakgardencenter.com
10% discount

Marano Gardens
Fort Washington PA – 215.646.3336
10% discount

Marie's Garden
Collegeville PA – 610.409.0535
www.mariesgardenflowers.com
10% discount

The Night Kitchen Bakery
Philadelphia PA – 215.248.9235
www.nightkitchenbakery.com
10% discount

Parkside Orchid Nursery
Ottsville PA – 610.847.8039
www.parksideorchids.com
10% discount

Pilates Alchemy
Philadelphia PA – 267.974.6217
www.pilatesalchemy.com
\$15 off your first class purchase

Plymouth Nursery
Plymouth Meeting PA – 610.277.4120
www.plymouthnursery.com
10% discount

Primex Garden Center
Glenside PA – 215.887.7500
www.primexgardencenter.com
10% discount on trees, shrubs & greenhouse foliage plants

Rothe Florists
Philadelphia PA – 215.247.0832
www.rotheflorists.com
15% off any purchase

Stable Tables
Flourtown PA – 215.266.8644
www.tablesbenches.com
10% discount on all tables

Ten Thousand Villages
Philadelphia PA – 215.242.3040
www.chestnuthill.tenthousandvillages.com
10% discount

Trolley Car Diner
Philadelphia, PA – 215.753.1500
www.trolleycardiner.com
10% discount

The Shop at the Morris Arboretum
Philadelphia PA – 215.247.5777
www.morrisarboretum.org
10% discount

Walk a Crooked Mile Books
Philadelphia PA – 215.242.0854
www.walkacrookedmilebooks.com
15% off all books

Wine Thief Bistro
Philadelphia PA – 215.242.6700
www.winethiefbistro.com
10% off



Photo: Tracy Hawkins

The Morris Arboretum Welcomes New Interns

Each June, the Arboretum eagerly awaits a new class of interns for a year-long program of hands-on learning. Working in various departments, the interns gain valuable experience while learning the day-to-day operations of a world class institution. Their year culminates with the completion of a project, some of which have resulted in the renovation of garden areas or new areas of focus in education or research. This year, the Arboretum welcomed interns from all over the U.S.

Andrew Kirkpatrick, *Martha S. Miller Endowed Urban Forestry Intern*

Emma Erler, *Alice & J. Liddon Pennock, Jr. Endowed Horticulture Intern*

Stephanie Kuniholm, *McLean Contributionship Endowed Education Intern*

Laura Sweeney, *Martha J. Wallace Endowed Plant Propagation Intern*

Rachel Brudzinski, *Walter W. Root Endowed Arborist Intern*

Brynn Coolidge, *Charles S. Holman Endowed Rose and Flower Garden Intern*

Chelsea Smith, *Eli Kirk Price Endowed Flora of Pennsylvania Intern*

Alexandra Seglias, *John J. Willaman & Martha Haas Valentine Endowed Plant Protection Intern*

Louise Clarke, the Arboretum's Bloomfield Farm section leader, recently completed her Bachelor of Science degree in Horticulture at Temple University's Ambler campus. Louise received academic recognition for being in the top 16% of her graduating class and being inducted into Pi Alpha Xi, the national honor society for horticulture.

This summer, the Arboretum welcomed Research Botanist, **Dr. Cynthia Skema**. Cindy recently finished a post-doctoral research position at Massey University in New Zealand. A native of Pennsylvania and a graduate of Bryn Mawr College, she completed her doctoral work at Cornell University. While Cindy's experience and expertise cover all areas of botany, her recent work has concentrated on the evolution of plant reproduction.

Last May, **Robert Wells**, Associate Director of Arboriculture Outreach for the Morris Arboretum's School of Arboriculture, received a Master's degree in Environmental Studies from the University of Pennsylvania's School of Liberal and Professional Studies. Bob, who pursued his degree over the last two years, said, "This is one of the great benefits of working at the Morris Arboretum. There is a wealth of opportunity for learning available at the University including programs such as this that are designed for the returning and professional student who needs primarily evening classes. All of the coursework is directly applicable to the work that I do in urban forestry consulting and it has given me excellent material for use in teaching future courses in our School of Arboriculture."



Photo: Darrylee Cohen of Haute Photography

Paul Meyer Receives Prestigious Award from American Public Garden Association

At the 2013 American Public Garden Association National Conference held in Phoenix, AZ this past May, Executive Director Paul Meyer was given the APGA Award of Merit. The award recognizes an individual APGA member who has performed with distinction in the field of public horticulture, and has excelled in the public garden profession. The recipient's accomplishments should encompass some combination of botany, horticulture, gardening, research, extension, education, development or administration.

Paul's nomination for this award was a result of letters of support from individuals who have known and worked with him for a combined 135 years. He has served the Morris Arboretum for more than 37 years, rising from Curator of Living Collections to Executive Director, a role he has held for 22 years. Under his guidance, the Arboretum has been transformed into one of the finest public gardens in America. He has undertaken a dozen plant exploration trips around the world, and is known as one of the finest plant hunters of his generation. Paul is also a co-founder of the North American-China Plant Exploration Consortium and an early leader of the APGA's North American Plant Collections Consortium, or NAPCC.

In accepting the award, Paul shared his honor with the Morris Arboretum board, staff, and volunteers, and thanked them for making the award possible.

The George D. Widener Center – Opening Doors to the Future

The Morris Arboretum is delighted to announce that Edith Robb Dixon has made a significant leadership commitment designated for the next phase of the George D. Widener Education & Visitor Center renovation project. With Mrs. Dixon's extraordinary support, the Arboretum will plan and construct both a new handicapped-accessible foyer into the Widener Visitor's Center and a plaza that will provide a larger outdoor gathering space for Arboretum visitors. In her letter to Executive Director Paul Meyer, Mrs. Dixon affirmed the importance of this phase of the renovation project in offering broader educational and cultural opportunities for all Arboretum visitors. The Morris Arboretum is honored by Mrs. Dixon's exceptional generosity. Her commitment will allow both current and future generations to continue to visit, explore, and learn in the garden.

Photo: Morrissey Photography



Growing Minds Grows!

Expanded Offerings this Fall

MIRIAM P. VON ESSEN, *Education and Penn Outreach Coordinator*

Calling all parents, grandparents and caregivers! Growing Minds programming for kids and families returns this fall, with bigger and better offerings than ever. We listened to your feedback and added several new classes that are sure to delight you and your little ones, through fun and engaging sessions that use the Arboretum's beautiful fall landscape as a creative learning and growing space. Check out the fall lineup and sign up today, as class space is limited.

Stroller Strides®

Eight alternate Tuesdays: September 3, 17, October 1, 15, 29, November 12, 26, December 10, 10:30-11:30am

This total fitness program for moms and babies includes power walking, strength-training intervals, and a unique blend of Pilates, barre, yoga, and stroller-based exercises.

Seeds to Sprouts, Autumn Adventures! (Ages 2-4)

Session I – Six Mondays: September 9 – October 14 or

Session II – Six Mondays: October 21 – November 25, both from 10:30-11:15 am

These outdoor adventures are designed to introduce toddlers and their caregivers to the wonders of the natural world. Each session includes guided Arboretum exploration and a take-home craft.

To learn more and register for these classes, visit online.morrisarboretum.org/GrowingMinds or call (215) 247-5777, ext. 125. If you are interested in any classes that have already begun, please call to inquire about enrollment options.



Photo: Miriam Von Essen

Little Diggers: Healthy Living Series (Ages 3-5)

Six Thursdays: September 19 – October 24, 10-11:15am

Kids will gain hands-on gardening experience and develop healthy eating habits for life by growing and enjoying their own vegetables.

Cool Beans Band Music & Art Series (Ages 2-5)

Six Fridays: October 4 – November 8, 10-10:45 am

Grammy Award-winner Steve Pullara will combine interactive music with engaging art lessons in this cool six week series.

Nature Photography Workshop (Ages 8-12)

Four Thursdays: October 3 – 24, 4-5:30pm

In this photography workshop kids will get out in nature, be creative, learn photography techniques, and have fun while capturing the fall landscape!

Nature Sleuths (Ages 5-7)

Four Sundays: September 22, 29, October 6, 13, 10:30-11:30am

Curious kids will love this series that investigates the Arboretum's web of life, introducing them to the trees, birds, and other wildlife that call the Morris Arboretum home.

Photo: Paul Meyer

The Gift of Membership Gives All Year Long

This holiday season, treat family and friends to a gift that benefits them for an entire year – a Morris Arboretum membership! The garden changes through all seasons, so each visit offers something new. Your gift recipients may also participate in diverse free events and programs offered throughout their full year of membership. They will receive discounts on educational courses taught by Arboretum experts, and receive reciprocal admission privileges to more than 200 gardens nationwide. In addition, membership supports the mission of the Morris Arboretum and a portion of membership dues are tax-deductible.

There are three easy ways to purchase a gift of membership:

VISIT – Stop by the Visitor Center to make your purchase.

ONLINE – Visit our website, www.morrisarboretum.org, to make your purchase anytime.

PHONE – Call the membership office directly at (215) 247-5777, ext. 151 or ext. 155 Monday through Friday, 9am-5pm.

To ensure your gift membership materials are in hand by December 24, online and phone orders must be received by December 13.



Learn Something New at Morris Arboretum!

The Arboretum is offering a wide variety of hands-on classes, lectures, and trips for adults this fall. Whether you are a homeowner looking for plant suggestions or landscape ideas for your garden, a bird watcher who wants to visit birding hotspots, or a person who enjoys taking trips to interesting local sites, there is a course at the Arboretum just for you!

Some of the categories of classes offered include:

- **Health and Wellness** with classes like *Tai Chi* and *Stroller Strides* for moms with children in strollers
- **Creative Expressions** with offerings on papermaking, botanical painting, and holiday decorating
- **Landscape Design** with classes on native plant selection, creating a woodland garden and landscaping under mature trees.
- **Culinary Expressions** that offer beer tasting, chocolate and wine tasting, and cordial making.

The Botany of Beer:

The Second Pint

Julie Jenney, *Educational Programs Coordinator, Scott Arboretum of Swarthmore College*

Friday, November 1, 6:30-8:30pm

Members: \$40, Non-members: \$45

Julie Jenney returns for more craft beer drinking and discussion! While reviewing the botanical components of beer she will dig deeper into the use, varieties, and importance of hops in

Photo: Matt Jones



the making of beer. A carefully chosen line-up of beer will complement the discussion: a pale ale and an India pale ale will uncover the crucial role hops play; a few Belgian-style beers while discussing how monks and their traditions have brought amazing beer into our world; a sour beer to delve into this unique style; a seasonal beer to illustrate why barley is the perfect brewing grain; and a surprisingly delicious rauchbier (smoked beer) will be tasted while looking into the very important role yeasts play in beer. Food pairings and the best glassware for use with each beer will be mentioned. While this class is more beer than botany, it has developed out of a passion for both plants and craft beer and a fascination of how the two have been intertwined throughout history.

The Lure of the Labyrinth

Michelle Conners, *Morris Arboretum Public Programs Event Coordinator*, & Janie Shields, *Morris Arboretum Special Projects Coordinator*

Saturday, October 19, 10am-12pm

Members: \$20, Non-members: \$25

The history of the labyrinth is as old as humanity. Through the centuries, these peaceful paths have

been featured in garden and church designs, symbolizing young love, rebirth, and spiritual pilgrimage. Centers focusing on health care and spirituality incorporate labyrinths as a way to promote healing the body and mind. Inviting meditation and mindfulness, the restful nature of walking these paths can reduce stress and improve health and wellness. The class will begin indoors with a short presentation on the history and uses of labyrinths, and then move outdoors to outline unique patterns suitable for reproducing a personal labyrinth in your own backyard.

Designing the Small Garden: Lecture and Workshop

Denis Lucey, *Landscape Designer, Denis Lucey Garden Design*

Thursday, October 24, 7pm-9pm

Members: \$25, Non-members: \$30

Our region is known for large private and public gardens, but many people contend with gardening in limited spaces. These include people living in condominium complexes, retirement communities, and attached houses in the city and suburbs. Landscape designer Denis Lucey believes that small gardens, while challenging, can be equally gratifying. He will review basic design principles that include planning for garden usage, the value of borrowed landscapes, and the importance of hidden “garden rooms.” He will provide tips for working with single conditions (sun or shade) over an entire garden, as well as making use of micro-climates. With help from the instructor, students will work on a sample garden design in class. Materials will be provided.

More Classes

To learn about additional classes and to register visit online. morrisarboretum.org/classes or call (215) 247-5777, ext. 125.

Lectures & Symposia

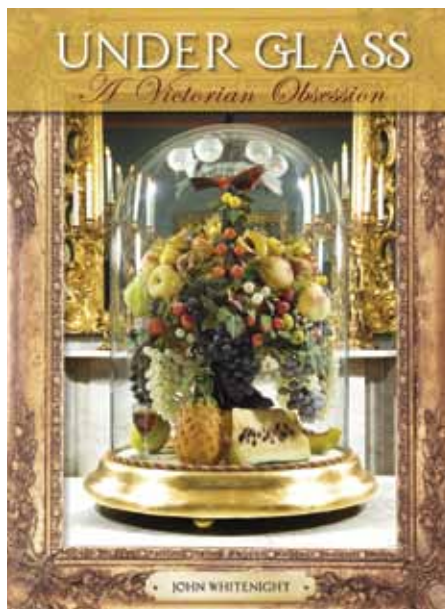
Floral Fantasies from the 19th Century: Simulating Nature Under Glass from The Victorian Era

John Whitenight, *Author, Teacher, Collector*

Sunday, November 3, 2pm

Members: \$15, Non-members: \$20

Come experience a world of botanical beauties created during the 19th century in an array of materials including: wax, seashells, wool, silk, and even human hair, all of which were placed under glass domes for their protection and posterity. Author John Whitenight will share images and information from his book, *Under Glass, A Victorian Obsession*, which is a comprehensive study of all the objects created as parlor pastimes during the Victorian Era. The book is a culmination of forty years of collecting and researching these beautiful and sometimes whimsical representations from a time when art, science and handcrafting were combined to produce incredible floral arrangements that fooled and delighted the eye.



Informing Land Preservation through Science: The Botany Department of the Morris Arboretum

The Byron W. Lukens
Endowed Lecture

Dr. Tim Block, *The John J. Willaman Director of Botany, Morris Arboretum*

Sunday, January 26, 2pm

The reasons for preserving land range from biodiversity protection to tax benefits. Whatever the reason, most people agree that land preservation is a good idea. To effectively protect land, the questions that need to be addressed include what land should be preserved, and how should land be managed once it is preserved? For many years, the Botany Department at the Morris Arboretum has been actively engaged in science-based studies that help inform decision makers on issues concerning conservation and land protection. These studies include county and municipal natural areas inventories, complete biological inventories for the Pennsylvania Bureau of State Parks and other resource management agencies, and the creation of management strategies for conservation land owners, both public and private. In this talk, Dr. Block will discuss the importance of land protection, the public perception of preserved land, and the history of the Arboretum's involvement in helping shape conservation priorities in Pennsylvania and beyond.

This lecture series is presently annually in memory of Byron W. Lukens, and is free for members or with Arboretum admission. A reception with refreshments will follow the lecture. Reservations are required and

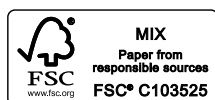


Photo: Paul Meyer

space is limited. Sign up online at online.morrisarboretum.org/classes/lukenslecture or call (215) 247-5777, ext. 125.

Landscape Design Symposium **Thursday, January 16 and Friday, January 17, 2014**

Join us on January 16 and 17, 2014 at Temple University's Ambler Campus for the 25th annual Winter Landscape Design Symposium. This two-day symposium is an in-depth examination of the state of the art of naturalistic landscape design. Speakers represent a diverse and accomplished group of designers, horticulturists, ecologists, and artists in an interactive and informal setting. Continuing education units for landscape architects will be available. Brochures will be available in November. To request a brochure, please call (215) 247-5777, ext. 125 or e-mail ilm@upenn.edu. **You may also register online beginning in November at online.morrisarboretum.org/LDS.**



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Photo: Paul Meyer



Friday Night Lights

Experience the Magic of the Holiday Garden Railway in the Evening!

Fridays, December 13, 20, 27, 4-7pm

This year, for the first time, visitors are invited to enjoy three special evenings at the Holiday Garden Railway Display. Experience the magic of the trains as white lights sparkle along the tracks and illuminate the decorated buildings. Snacks and light fare will be available at the Compton Café. This is a ticketed event. Tickets will be available via Ticket Leap beginning November 29. To purchase tickets visit <http://www.business-services.upenn.edu/arboretum/calendar.shtml>.