

SEASONS

Winter/Spring 2013

Volume 42 Number 1



Morris Arboretum
UNIVERSITY of PENNSYLVANIA

Official arboretum of the Commonwealth of Pennsylvania



Photo: Nick Kelsh

A Note from the Director

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

The *Always Growing* Campaign: Celebrating a Decade of Innovation and Growth

The last decade has enhanced and transformed Morris Arboretum beyond our dreams. As I reflect on the organization we are today, it is difficult to recall the state of the Arboretum ten years ago. At that time, the Pennock Garden was just a plan, the Long and Key fountains were dry and decaying, and the Horticulture Center was a long-standing dream. *Out on a Limb*—a Tree Adventure exhibit had not yet been conceived.

The *Always Growing* campaign which began in July 2001 has made possible all of these advancements and so much more. Over the years, the campaign goal has been adjusted numerous times, beginning in 2001 at \$24 million, and after several revisions, finally growing to \$60 million in 2008. I am very proud to announce that as our campaign has drawn to a close, we not only achieved, but surpassed our goal of \$60 million!

In addition to the physical improvements made to the Arboretum, growth of our endowment has been an essential priority. More than one million dollars has been raised in support of youth education, and \$1.4 million was raised for internship endowments. Two endowed departmental directorships were established: the Gayle E. Maloney Director of Horticulture and the John J. Willaman Director of Botany. In all, more than \$20 million has been contributed to endowment throughout the campaign, and these endowments generate more than one million dollars annually to support education, research and the preservation of the gardens and collections.

Prior to the start of the campaign in 2001, the Arboretum welcomed approximately 85,000 visitors annually. Last year, the number of visitors grew to 127,000 annually—a 48% increase. Course offerings and student participation have also grown dramatically.

What has been especially gratifying is the breadth of support for the *Always Growing* campaign. Today, our membership stands at 6,149 households, up 16% in the past decade. More than 9,000 individuals have made contributions in support of the Arboretum's most critical priorities. Of these, 218 have made cumulative contributions of \$10,000 or more, 61 contributions were of \$100,000 or more, and 10 were of one million dollars or more.

Of course, no campaign meets every need of an institution, and we continue to plan and cultivate our future. We are currently engaged in a process to strategically evaluate and re-vision youth education at the Arboretum, including all of our programs for youth and family education, garden visitors, school programs and vocational training opportunities. Regardless of the specific direction we ultimately pursue, it is clear that each educational program will help connect and engage youth with the natural world. We have made great strides in building and enhancing the garden. Now we want to advance the use of these resources to develop a generation of environmental stewards.

As we celebrate the success of this extraordinary campaign, I want to take this opportunity to thank each and every one of you who helped the Arboretum in so many different ways. A strong and engaged membership has made the achievements of the past decade possible. I so appreciate your financial support, your work as volunteers, and your role as ambassadors to the wider community. With your help, we have achieved so much, and I look forward to a bright future of continued growth and innovation.

Paul

SEASONS

Morris Arboretum of the University of Pennsylvania

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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 four major activities: horticultural display, public and professional education, outreach, 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: Bob Gutowski



Always Growing *Achievements*

THE CAMPAIGN FOR MORRIS ARBORETUM

BLOOMFIELD FARM
CONNECTING ROAD



KEY FOUNTAIN



ALICE & J. LIDDON PENNOCK
FLOWER WALK



SPRING HOUSE



2006

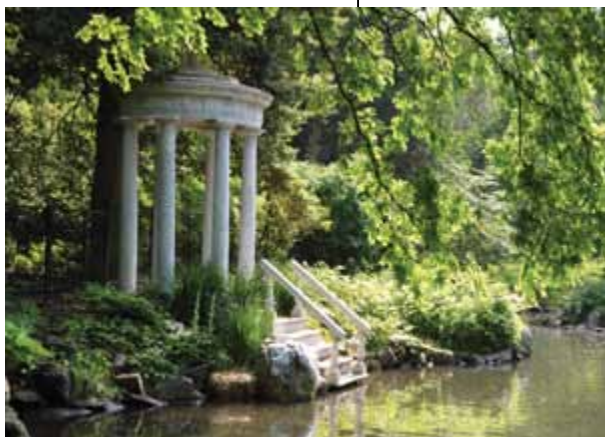
2007

2001

2004 - 2005

2002

2005



SWAN POND & LOVE TEMPLE



GAYLE E. MALONEY GARDEN
& MARBLE FOUNTAIN



MERCURY LOGGIA

Out on a Limb—A TREE ADVENTURE EXHIBIT

LONG FOUNTAIN



ORANGE BALUSTRADE



NORTHWESTERN AVE.
ENTRANCE



2008

OVER 2 MILLION RAISED IN
ENDOWMENT

2012

2009

2010

WISTERIA WALK



HORTICULTURE CENTER



transformational giving:



Dorrance H. Hamilton

Dorrance (“Dodo”) Hamilton joined the Morris Arboretum family and has been actively involved since 1979. She

joined the Advisory Board of Managers in 1988, and continues to serve on the board today. Dodo is renowned for her philanthropy throughout Pennsylvania, and has been involved in nearly every aspect of Philadelphia’s civic life including the arts, health, business, horticulture, education and historic preservation. She has served as both the chair and as a long-time member of the Arboretum’s Horticulture committee, and was a founding member of the Compton Fund. Over the past twenty years, Dodo made possible the restoration of the century-old Fernery, the rebuilding of the production greenhouse and its endowment, the construction of an entrance road to the Arboretum’s Bloomfield Farm and much more. In addition, she made an unprecedented leadership gift toward the construction of the Arboretum’s award-winning, Platinum LEED® certified Horticulture Center. Dodo’s exceptional generosity is a powerful statement of her commitment to the Morris Arboretum.



Janet and John Haas

The Morris Arboretum would not be among the nation’s most highly-regarded botanic gardens were it not for the confidence

and generosity of the Haas family over the past four decades. Their volunteerism and philanthropic contributions to the Arboretum reflect a depth of commitment that is unmatched in the organization’s history. John and Janet have been members since the 1980s, and Janet joined the Advisory board of managers in 2010. They have been leading advocates in promoting the importance of endowment support

for the Arboretum. By recognizing the key role that endowments play, John and Janet have established or added to existing endowments that are most dear to them, including the John J. Willaman Director of Botany Endowment, the Historic Preservation Endowment, the Equipment Replacement Endowment, and the Horticulture Center Endowment. In addition, they have supported the restoration of the historic grist mill at Bloomfield Farm.

William Penn Foundation

The William Penn Foundation, founded in 1945 by Otto and Phoebe Haas, is dedicated to improving the quality of life in the greater Philadelphia region through efforts that foster rich cultural expression, strengthen children’s futures, and deepen connections to nature and community. Since 1973, the Morris Arboretum has been the recipient of leadership grants from the foundation which have been designated for projects and programming that further the Arboretum’s mission of educating the public about the significant relationship between plants, people, and place. The most recent grant funded the completion of the mechanic’s bay renovation at the Horticulture Center and the Horticulture Center Endowment. The extraordinary support the William Penn Foundation has shown the Morris Arboretum has had a transformative impact, enriching the lives of generations of local, regional, national and international visitors.

(The late) Charles S. Holman, Jr.

A beloved Morris Arboretum friend and supporter for more than 30 years, Charlie participated in the revitalization of the Arboretum, beginning his involvement in the 1980s as a horticulture volunteer. During his years of volunteer experience in the rose garden,



Charlie came to understand the need for an intern working alongside the rosarian. From 1998 through 2011, Charlie provided an annual gift to the rose garden internship and made a point of meeting each new intern. Charlie also had a fondness for the water features throughout the Arboretum. In 1988, he helped fund the restoration of the Step Fountain, enhancing the utilities that supply the electrical and water distribution to all fountains and water features throughout English Park. In 2004, Charlie supported restoration of the Key Fountain, a historic water feature that had not been operational since the mid-1930s.

Upon his death in 2011, his irrevocable bequest established two critical endowments: one to permanently endow the Charles S. Holman Rose and Flower Garden internship, and a second to support the ongoing maintenance of the Key Fountain. Charlie’s generous bequest ensures that the people and gardens he so enjoyed will continue to flourish in the years to come.

Jane and Leonard Korman

Jane and Leonard Korman have been tremendous supporters and advocates of the Morris Arboretum for more than three decades.

As a distinguished advocate for the arts across the Philadelphia region, Jane has played a leading role within the Morris Arboretum community, helping to promote the unique relationship between art and nature. Jane joined the Morris Arboretum’s Advisory Board of Managers in 1993, and is currently the chair of the Fine Arts committee and a member of the Marketing committee.

Jane has had a profound influence on the strategic course of the Arboretum through her commitment to children and families. She was the first to dream of *Out on a Limb* – a Tree Adventure exhibit as a special project within the Arboretum’s



PROFILES OF PHILANTHROPY

Always Growing campaign. It was Jane's vision, devotion, and philanthropic support that made this dream into a reality. *Out on a Limb* has transformed the Arboretum in unimaginable ways, and is an enduring tribute to Jane's creativity and commitment, and to the Kormans' extraordinary generosity.



(The late) J. Liddon Pennock

Morris Arboretum friend, Liddon Pennock, first envisioned a new garden at the Arboretum in the 1990s

when he served on the Advisory Board of Managers. He was eager to see more color at the Arboretum and wanted to help create a teaching garden that would serve as a living laboratory where visitors could learn about plants and outstanding landscape garden design. Liddon ensured that his dream would become a reality through a generous bequest which, at his death in 2003, provided for the design, implementation and endowment of a new garden, and also funded a named endowment to support an internship for that garden. The Alice and J. Liddon Pennock Flower Walk is a "garden room" that provides abundant color and illustrates exemplary design throughout the seasons.

Anonymous

The Morris Arboretum first captivated these donors (who choose to remain anonymous) with their love of the outdoors and gardening. Their growing enthusiasm for the work of the Arboretum soon led to greater participation, initially through the Director's Guild and ultimately to service on several advisory groups and board committees.

With extensive business experience, these individuals understand the importance of long-range planning, fiscal responsibility, and building a strong foundation through both endowment support and unrestricted gifts. He and his wife were also among

the first members to recognize the need for restoration and preservation of the wetlands, and they provided a significant endowment gift for the funding of staff management of the natural areas.

Confidence in the mission and values of the Morris Arboretum led to an additional leadership gift at the conclusion of the *Always Growing* campaign. With an extraordinary multi-year commitment of unrestricted support, these special friends have been instrumental in supporting the Arboretum's *Always Growing* campaign and its highest priorities of building organizational capacity and long-term institutional stability.

The Pew Charitable Trusts

The Morris Arboretum has been honored by the confidence and support of the Pew Charitable Trusts since 1980, with grants awarded to the Arboretum for support of capital projects, special programming, leadership development, and general operating needs. Through the Pew Charitable Trusts' Philadelphia Cultural Leadership Program (PCLP), launched in 2001, the Arboretum has received unrestricted funds that have been vital to the growth and development of the institution. In awarding these multi-year PCLP grants, the Pew Charitable trusts notes that these unrestricted grants are designated for arts and cultural organizations that demonstrate excellence in operations, fiscal management and programming, and are organizations that provide the public with the highest quality of arts and cultural activities on a sustained basis. The Morris Arboretum has been strengthened by this strong support from the Pew Charitable Trusts and is privileged to be able to enhance the quality of life throughout the Philadelphia region through this philanthropic partnership.

Martha J. Wallace and Edward W. Kane

Martha ("Marty") Wallace and Edward (Ed) Kane, (C '71), have been members

and strong supporters of the Morris Arboretum for more than a decade. In 2010, Marty accepted an invitation to join the Advisory Board of Managers.

Marty's passion for gardening and education led her and Ed to make a transformational gift to establish the Martha J. Wallace Plant Propagation Internship in 2009. At that time, they also supported the early renovation efforts of the grist mill, and have inspired others to support this important project. In addition to Marty's great work with the Arboretum, she and Ed are active in the University of Pennsylvania community as Ed is an alum and former university trustee.

Marty and Ed recently made a remarkable leadership gift that will have a profound impact on Morris Arboretum for generations to come. Their commitment is designated for an endowment to address overall staff compensation needs. They have also funded the design of a Germantown Avenue pedestrian entrance.

(The late) William H. Wurster

Former board member William H. Wurster and his wife, Jeanne, were longtime friends and supporters of the Morris Arboretum. Bill served on the Arboretum's Advisory Board of Managers for nearly twenty years. One of his first projects was to initiate the restoration and painting of the Arboretum fence, and he was instrumental in development of the accessible paved path system in the garden. His enduring legacy at the Arboretum however, will be the defining role he played in the creation of the Compton Fund. His leadership gift in 2003 seeded the endowment that provides critical support to the Arboretum for general operating expenses.

Photos: Paul Meyer





Photos: Anthony Aiello



In Search of Hardy Live Oaks

ANTHONY S. AIELLO, *The Gayle E. Maloney Director of Horticulture and Curator*

There are few things as emblematic of the south as wide-spreading and majestic live oaks (*Quercus virginiana*) dripping with Spanish moss. These impressive trees are an integral part of many southern cities and historic sites, and are an indelible part of these landscapes.

This native of the southeastern United States has a range that extends from central Texas, along the Gulf Coast and Florida Peninsula, and in a narrow coastal band northward through Georgia, South Carolina, North Carolina, and the Tidewater area of Virginia. The trees are rarely seen planted much further north than Hampton or Williamsburg, Virginia.

The hardiness of plants can often be extended by selecting individuals from the northern edge of native populations. I have often wondered if collecting live oak at the northern limit of its range would make it possible for us to grow it in Pennsylvania. A good example of this is the hardy cedar-of Lebanon (*Cedrus libani* ssp. *stenocoma*; see *Seasons*, Winter 2003) whose useful range was extended by collecting plants from southern Turkey rather than from the more famous Lebanese populations.

As far as I know, the full adaptability of live oak in the Philadelphia area has not been tested, although the Arboretum has tried unsuccessfully on a few occasions. In light of climate change leading to warmer winters and a change in our USDA hardiness zone (see *Seasons*, Summer 2012), it seemed like an appropriate time to explore the idea of searching for cold-hardy forms of live oak. So, this past October, I traveled to Virginia with Michael Dosmann, Curator at the Arnold Arboretum of Harvard University. Our goal was to visit and collect seed from the northernmost cultivated trees and natural population of live oak, with the goal of screening these for their ability to grow in the Delaware Valley (and possibly even as far north as Boston).

We began in Richmond, Virginia, where we visited the University of Richmond and Joseph Bryan Park, the coldest and furthest inland of the locations on our trip. We collected seed from four trees at the University of Richmond, ranging in age from approximately 20-30 years. At Joseph Bryan Park, a public park in the city of Richmond, we collected from two trees that were likely close to 100 years old. These remarkable specimens had clearly withstood the test of time, and although Richmond is warmer than Philadelphia, I suspect that these trees had likely encountered sub-zero temperatures in their lifetimes.

From Richmond, we traveled to Williamsburg and visited a number of trees within Colonial Williamsburg and on the campus of the College of William and Mary. We speculated that the old trees we visited were of local origin so they were perhaps derived from the most northern populations of live oak. This area is a one full hardiness zone warmer than Philadelphia, so it will be interesting to see how these seedlings survive in our area.

Our final stop was at First Landing State Park in Virginia Beach. This fascinating park has some of the northernmost natural populations of live oak. These trees were growing on the leeward side of the dunes, and nearby we found baldcypress (*Taxodium distichum*) swamps, and a variety of other plants that also reach the northern limit of their ranges in this part of Virginia. We made a plentiful collection of acorns from this park, and I am especially eager to test these for their potential hardiness.

Will it be possible to grow live oak in Philadelphia? Will these trees someday line the Arboretum entrance drive and form a majestic arch coming up the Magnolia Slope? It is hard to say, but we are certainly looking forward to finding out.

Mulch Matters

LOUISE CLARKE, *Horticulture Section Leader, Bloomfield Farm*

Gravel, river rocks, seashells, tumbled glass, and shredded tires can all be used as mulches, some of which have decorative as well as functional uses. Any material that is applied to the soil's surface as a covering is considered mulch, but organic mulches are especially beneficial to the garden.

In addition to helping retain soil moisture, controlling erosion, moderating soil temperature and suppressing weed growth, organic mulches such as shredded bark, leaf mold, and pine straw provide the additional benefit of decomposing into soil-enriching humus. Humus builds soil structure and increases its capacity to hold nutrients and water.

With the advent of colored organic mulches, gardeners now have a rainbow of choices. Is colored mulch safe for your family, pets, and plants? That depends. Dyes are typically vegetable or mineral-based and are nontoxic; iron oxide (rust) is used to make red mulch, and carbon black (think charcoal) is used for dark mulch. However, the source of the wood used to manufacture mulch can be more troubling. Wood is recycled to create mulch, but unscrupulous recyclers may grind chromated copper arsenate (CCA) treated wood, which is commonly used to build rot-resistant decks and play equipment. CCA-tainted mulch can leach arsenic, a known carcinogen, into your soil. Hmmm, anyone for arsenic-laced tomatoes?

When buying bagged mulches, look for a certification seal on the bag from the Mulch and Soil Council (MSC). Big box retailers and independent garden centers stock MSC approved mulches.

Founded in 1972, the MSC is a national non-profit trade association that has developed product certification programs for potting soils and mulch. See <http://www.mulchandsoilcouncil.org/> for more information. Mulches that display the MSC seal have been tested and found free



Photo: Arnold Winkler

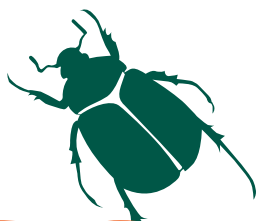
of CCA. There is no risk of CCA contamination if you know that your mulch is sourced from raw lumber. If you employ a landscape contractor who delivers bulk mulch to your property, be sure to ask if they know the source and the components of the mulch being used.

Now that you've selected the mulch for your garden beds and trees, are you or your landscape professional applying it correctly? Take a walk in the Arboretum's Widener Woods to see how Mother Nature mulches; the optimal depth of organic mulch is two to three inches. Excessively thick mulch application results in decreased air circulation and water-logging, which encourages root rot diseases and provides cozy homes for bark-chewing rodents. The ever popular "mulch volcanoes" applied to trees (often seen at apartment complexes and shopping centers) lead to disease and injury which shorten tree life spans. Shrubs that have shallow roots like azaleas and boxwoods, as well as some trees, will grow new roots upward into thick mulches to avoid suffocation, but potentially risk drying out and will decline as mulch decays.

As an integral component of home landscapes, mulch provides beauty and benefits to shrubs and trees when applied and maintained in a responsible fashion. Organic or inorganic, colored or natural, choose and apply wisely for optimal plant health.



David Rogers' **BIG BUGS,** Big Fun!



Photos: Paul Meyer

Coming to the Morris Arboretum this Spring

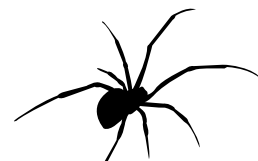
On April 1st, visitors to the Morris Arboretum may think nature is playing an April Fool's joke on them as *Big Bugs* spring to life all over the Arboretum's 92-acre garden. These amazing 'bugs' are the creation of Long Island artist David Rogers and are actually immense garden sculptures made from roots, bark, vines and fallen trees. Imagine a 16-foot, 1,200-pound praying mantis, a parade of 25-foot long ants, a dragonfly with a wingspan of 17 feet, or a four-foot spider spinning a 15-foot web. Eleven *Big Bugs* will be placed throughout the Arboretum's gardens from April 1st through the end of August.

A Grand Opening event will take place on Saturday, April 6th. Visitors are invited to dress as bugs for a parade around the garden. There will be bug-inspired music, a craft activity, *Big Bugs* scavenger hunt maps, and more fun from 11am-2pm.



Each Big Bug is a unique creation with its own whimsical character. There will be three ants, one praying mantis, one dragonfly, one damselfly, one spider with web, one assassin bug, one ladybug, one grasshopper, and one daddy long-legs. Visitors will have to explore the entire Morris Arboretum garden to discover them all. The bugs are designed to awe and educate, reminding us in a big way about the vital role that insects play in the environment. "The insect

world makes up a whole team of hidden gardeners," said David Rogers. "We often take it for granted that they exist." With his *Big Bugs* displayed everywhere you look at the Morris Arboretum, these insects will be hard to ignore! But luckily, they won't be munching on the plants. Events and educational activities will accompany the exhibit. Visit www.morrisarboretum.org for updates and more details. David Rogers' *Big Bugs* exhibit is made possible by the Madeleine K. Butcher Fine Arts Endowment.



FEBRUARY

Winter Wellness Walks

Saturdays, thru March
10:30-11:15am

Meet in front of the Widener Visitor Center. Led by an experienced volunteer guide, these brisk walks on the paved paths will get your heart rate up.

- 3 Upper Gallery Exhibit –
Deep in the Weeds**
Open daily beginning February 3
Like people, plants are prone to mingling. Reaching for the sun, embracing tendrils, crossing stems, they're woven into tapestries of shifting textures and colors. In roadside weed patches, native plant communities and even well-tended garden beds, Rob Cardillo has framed nuanced gestures between twig and leaf, petal and pod, creating layered images with a photosynthetic pulse. An opening reception will be held on March 17 from 1-3pm.

Rob Cardillo has professionally photographed plants, gardens and the people that tend them for more than twenty years. His work appears regularly in *Horticulture*, *Country Gardens*, *Organic Gardening*, *The New York Times* and many other magazines, books and advertisements. To see Rob Cardillo's work visit www.robcardillo.com.

Photo: Rob Cardillo



- 12 Storytime at the Morris Arboretum**
Tuesday, February 12 @ 26
10:30-11:00 am
Join us in the Upper Gallery for a fun morning listening to fabulous stories as told by a William Jeanes/Springfield librarian. Take a walk in the garden after Storytime.

- 17 "Witchhazel" is your Favorite?**
Sunday, February 17, 1-3pm
Experience fabulous color and fragrance even in the middle of winter! Head over to the Arboretum for a day of fun and exploration which includes a scavenger hunt to discover the many varieties of witchhazels growing at the Arboretum. Ranging in color from yellow and orange to pink and red, witchhazels are some of the first harbingers of spring. After the hunt, visitors can make a fun craft.

- 24 The Klein Endowed Lecture –
Japanese Flowering Cherries:
A 100 Year-Long Love Affair**
Sunday, February 24, 2pm
Flowering cherries have been a captivating presence in Japan and throughout the U.S. since their introduction 100 years ago. In this lecture, Anthony Aiello, *The Gayle E. Maloney Director of Horticulture and Curator* will discuss the introduction of flowering cherries into the U.S. and their history in Philadelphia. Tony has been using the Arboretum's cherry collection as a model for preserving our horticultural heritage and at the same time providing best practices of veteran tree care. He has also been working with other botanic gardens in the northeast to identify, propagate, and share rare varieties of flowering cherries. *This lecture is presented annually in memory of former Arboretum director, William M. Klein, Jr.*

MARCH

Winter Wellness Walks

Saturdays, thru March 10:30-11:15am
Meet in front of the Widener Visitor Center. Led by an experienced volunteer guide, these brisk walks on the paved paths will get your heart rate up.

- 12 Storytime at the Morris Arboretum**
Tuesday, March 12 @ 26, 10:30-11am
Join us in the Upper Gallery for a fun morning listening to fabulous stories as told by a William Jeanes/Springfield librarian. Take a walk in the garden after Storytime.

- 24 The Barnes Endowed Lecture –
A Botanist in a Botanic Garden:
Field and Laboratory Adventures**
Sunday, March 24, 2pm
Dr. Susan Pell, Director of Science at the Brooklyn Botanic Garden
People often marvel at the idea of scientists working at public gardens and arboreta. Come on a botanical journey through the lab and around the globe as Dr. Susan Pell details some of the research she has conducted at The New York Botanical Garden and the Brooklyn Botanic Garden. Dr. Pell has participated in numerous international field expeditions and conducted molecular research on a diversity of topics from cashews to lilacs. In this lecture, she'll share stories from her adventures and discuss the role of botany in public gardens. *This lecture is presented annually with support from the Laura L. Barnes Horticulture Lecture Fund.*

Pull out this calendar section to reference future events.

ADMISSION

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

Please note, unless noted, all events are free with Arboretum admission. 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. o.

February

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					 1	 2 Winter Wellness Walks 10:30-11:15am
3 Upper Gallery Exhibit – <i>Deep in the Weeds</i>	4	5	 6	7	8	9 Winter Wellness Walks 10:30-11:15am
10	11	12 Storytime at the Morris Arboretum 10:30-11am	13	14	15	16 Winter Wellness Walks 10:30-11:15am
17 “Witchhazel” is your Favorite? 1-3pm	18	 19	20	21	22	23 Winter Wellness Walks 10:30-11:15am
24 The Klein Endowed Lecture – Japanese Flowering Cherries: A 100 Year-Long Love Affair 2pm	25	26 Storytime at the Morris Arboretum 10:30-11am	27	 28		

March

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					 1	 2 Winter Wellness Walks 10:30-11:15am
3	4	5	 6	7	8	9 Winter Wellness Walks 10:30-11:15am
10	 11	12 Storytime at the Morris Arboretum 10:30-11am	13	14	15	16 Winter Wellness Walks 10:30-11:15am
17 Opening Reception <i>Deep in the Weeds</i> 1-3pm	18	19	20	21	22	23 Winter Wellness Walks 10:30-11:15am
24 A Botanist in a Botanic Garden 2pm	25	26 Storytime at the Morris Arboretum 10:30-11am	27	28	 29	 30 Winter Wellness Walks 10:30-11:15am
31						

April

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Great Trees Tour at Morris Arboretum 1pm	1	 2	3	4	5	6 Native Trees 11am Big Bugs Grand Opening 11am-2pm Garden Discovery Series – Spiders, Bugs, and Beetles 11am-3pm
Great Trees Tour at Morris Arboretum 1pm	8	9	10	11	 12	13 Japanese Cherry Blossom Festival
Great Trees Tour at Morris Arboretum 1pm	15	16 Storytime at the Morris Arboretum 10:30-11am	 17	18	19	20 Japanese Cherry Blossom Festival Native Trees at Morris Arboretum 11am
Great Trees Tour at Morris Arboretum 1pm	22 Bugs a-Brewing – Iron Hill Brewery Chestnut Hill 6:30-8pm	 23	24	25	26	27 Arbor Day Family Day 11am-3pm
Great Trees Tour at Morris Arboretum 1pm	29	30 Storytime at the Morris Arboretum 10:30-11am				

May

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
 5			1	2	3	4 Native Trees at Morris Arboretum 11am Garden Discovery Series – Marvelous Metamorphosis 11am-3pm
6		7	 8	9 Plant Sale Members' Events	10 Plant Sale Members' Events	11 Plant Sale Public Sale Day 10am-4pm
12	 13	14 Storytime at the Morris Arboretum 10:30-11am	15	16	 17	18 Native Trees at Morris Arboretum 11am
19	20	21	22	23	24	25 Garden Railway Grand Opening Event 1-3pm
 26	27	28 Storytime at the Morris Arboretum 10:30-11am	29	 30	31	

spring *events*

APRIL

6 Great Trees Tour at Morris Arboretum

Sundays in April at 1pm

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

Native Trees at Morris Arboretum

1st & 3rd Saturdays in April (6 & 20), 11am

Evidence suggests that native tree species support the rich diversity of fauna within forest ecosystems. Meet in front of the Widener Visitor Center and join us for a tour of the native trees at the Arboretum. Learn about the many ways native trees can support increased biodiversity when planted in a variety of non-forest settings too.

Garden Discovery Series – Spiders, Bugs, and Beetles

Saturday, April 6, 11am-3pm

Spiders, true bugs, and beetles may be all classified as arthropods, but are they all the same? Are true bugs and beetles the same? Come to the Discovery Table and learn about the similarities and differences between many of the mini creatures that roam the planet. Visitors can also make their own lady bird beetle or spider to take home!

Photo: Zac Brooks



13 MORRIS ARBORETUM

Big Bugs Grand Opening

Saturday, April 6, 11am-2pm

Join us to celebrate all things bug as we welcome the seasonal exhibit *Big Bugs!* Festivities will include an insect costume parade at noon, crafts, and a *Big Bugs* scavenger hunt.

13 Japanese Cherry Blossom Festival

Two Saturdays, April 13 & 20

Celebrate this unique aspect of the Arboretum's Japanese heritage. Both Saturdays will feature traditional Japanese cultural activities. See page 19 for more information.

16 Storytime at the Morris Arboretum

Tuesday, April 16 & 30, 10:30-11am

Join us in the Outdoor Classroom/Upper Gallery for a fun morning listening to fabulous stories as told by a William Jeanes/Springfield librarian. Take a walk in the garden after Storytime.

22 Bugs a-Brewing – Iron Hill Brewery Chestnut Hill

Monday, April 22, 6:30-8pm

In conjunction with the Philadelphia Science Festival (April 18-28), the Morris Arboretum will host a café talk at Iron Hill Brewery. Arboretum experts will present short, informative talks on topics ranging from insects that threaten tree populations to bugs that 'bug' our home and garden plants. This event is free and is open to the public.

27 Arbor Day Family Day

Saturday, April 27, 11am-3pm

This year's Arbor Day program will focus on gardening. At different stations throughout the Arboretum, visitors will learn about surprising gardens, hardy plants for our area, and will create a seed experiment to take home. Open to all visitors, this program also gives 4th and 5th grade Girl Scouts the opportunity to earn their "Gardener" badge.



Photo: Arnold Winkler

MAY

4 Native Trees at Morris Arboretum

1st & 3rd Saturdays in May (4 & 18) 11am

See April for details.

Garden Discovery Series – Marvelous Metamorphosis

Saturday, May 4, 11am-3pm

Visit the Discovery table and learn about how insects grow from a nymph to an adult! We will explore the fascinating lifecycles of a variety of insects from lady bird beetles to butterflies. Engaging entomologists will have the opportunity to create a butterfly craft to take home!

9 Plant Sale Members' Events

Thursday & Friday, May 9 & 10

See p. 20 for more information.

11 Plant Sale Public Sale Day

Saturday, May 11, 10am-4pm

See p. 20 for more information

14 Storytime at the Morris Arboretum

Tuesday, May 14 & 28, 10:30-11am

Join us in the Outdoor Classroom/Upper Gallery for a fun morning listening to fabulous stories as told by a William Jeanes/Springfield librarian. Take a walk in the garden after Storytime.

25 Garden Railway Grand Opening Event

Saturday, May 25, 1-3pm

See page 22 for more information.

The George D. Widener Education & Visitor Center

ERIN NAGYFY, Data and Prospect Manager

The George D. Widener Visitor Center, originally built in 1888 as the estate's carriage house and stables, now serves as the heart of the Arboretum's education and visitors' services programs. As the gateway to the public garden, the Widener Center is utilized by more than 125,000 visitors each year. The center also houses Arboretum program offices, meeting and classroom spaces, the internationally-treasured herbarium, The Shop, and the Compton café.

It is imperative that the Arboretum take the next step in addressing the needs of all visitors to enhance our visitors' experiences through renovations at the George D. Widener Center.

An informal survey of volunteers, visitors, and staff was conducted to gather additional feedback concerning upgrades at the Widener Center and a feasibility study has been completed. This information provided a road map for implementing the renovation project. The scope of the work includes:

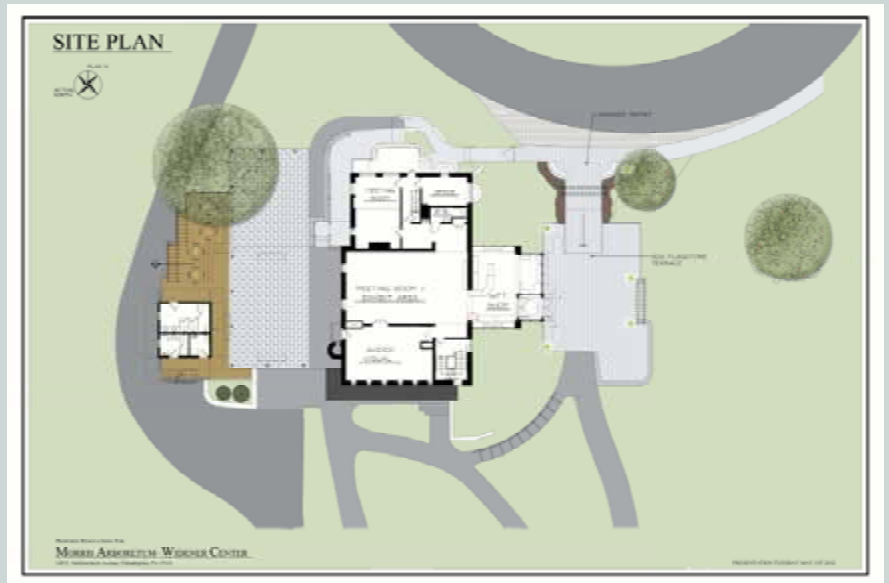
PHASE I

- new, barrier-free restroom facilities,
- the relocation of the café kitchen,
- the addition or replacement of lighting and HVAC systems.

PHASE II

- the redesign and construction of the main entrance at The Shop,
- improved decking to replace the macadam under the tent in the café area,
- a terrace deck that extends the footprint of the café area and provides storage below, and
- enhancement of the fenced children's picnic area (used primarily by school groups).

The highest priorities in the first phase are the relocation of the café kitchen and the construction of the new barrier-free restrooms. The estimated cost of the entire renovation



project is approximately two million dollars. We are committed to accomplishing all of these project components and are moving ahead with the work in stages.

The Morris Arboretum is a nationally-recognized botanic garden, outdoor museum, and environmental education center. Investing in the preservation of this renowned historical, educational and cultural institution through the renovation of the George D. Widener Education & Visitor Center is essential to maintaining this important Philadelphia cultural institution for generations to come.

Ann Rhoads Retires from the Morris Arboretum



CHRISTINE PAPE, *Editor*

Today, in a world that revolves around technology, one of Ann Rhoads' greatest pleasures is taking her grandchildren for woodland walks. "They love to hunt for interesting plants or look under rocks in the hopes of finding a salamander!" As someone whose career has meant spending a great deal of time outdoors, Ann has always encouraged people of all ages to appreciate and take pleasure in the natural world.

In January, Ann retired from a long and prolific career at the Morris Arboretum. Ann served as Director of Botany at the Arboretum from 1976 to 2000, at which time she stepped back to the position of Senior Botanist in order to allow now Director Tim Block to assume the position. "Tim and I were at different phases in our lives then, and it seemed the right thing to do for us change positions." Tim is grateful for the opportunity Ann provided him, and credits her with his longevity at the Morris Arboretum. "By enabling me to assume the Director's position, Ann has allowed me to build and sustain my career here."

My many years of collaboration with Ann in teaching, writing, research, and service have been rewarding both professionally and personally. Working with Ann has helped teach me the value of patience in scientific observation, working with students, and advocacy for protection of the Earth and its natural resources.
— Dr. Timothy Block, *The John J. Willaman Director of Botany*

Ann has watched the field of botany change significantly during her career. She has been excited by the advances in plant systematics—the study of the classifications and evolutionary relationships of plants—which has been revolutionized by the ease with which DNA sequences can be analyzed. "When I first started out, we had to rely almost entirely on morphology to characterize a plant," said Ann.

A big step forward in understanding the Pennsylvania flora occurred when Ann and former Arboretum Director Bill Klein, created the Flora of PA database. Building on work

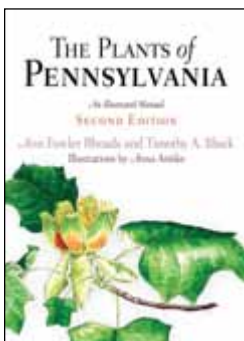


Photos: Paul Meyer

initiated in the 1930s by Edgar T. Wherry, they built a database of approximately 400,000 specimen records from the major Pennsylvania herbaria. In 1993, *The Vascular Flora of PA, Annotated Checklist and Atlas* by Rhoads and Klein was published by the American Philosophical Society.

During her tenure, the botany department has produced several other important books. *The Plants of Pennsylvania, An Illustrated Manual* by Rhoads and Block, first published in 2000 by the University of Pennsylvania Press, has proven to be a valuable resource both within and outside the state. A second edition, incorporating recent taxonomic changes, was published in 2007. *Trees of Pennsylvania* appeared in 2005, and *Aquatic Plants of Pennsylvania* was released in 2011.

Ann possesses the gift of grace and a quiet passion informed by fact. She is a skilled teacher and communicator not only at Penn, but in her lectures to various community groups. Above all, Ann is modest — I have never heard her accept credit for anything — but she is always careful to give credit to others. — Elizabeth McLean, *Emeritus Member of the Morris Arboretum Advisory Board of Managers and Chair, Plants Sciences Committee, Executive/Governance Committee*



Another of Ann's legacies is the many students and interns she has taught and mentored through the years. As an adjunct professor, Ann has greatly enjoyed teaching Plant Systematics and Field Botany in the biology department at the University of Pennsylvania. "Interacting with students is always stimulating; it forces you to keep current with changes in the field and to find effective ways to communicate your knowledge of and enthusiasm for plants."

Ann has also supervised or co-supervised plant protection and Pennsylvania flora interns at the Arboretum. "It has been thrilling to help guide them professionally, and rewarding to watch many of our former interns go on to graduate school and careers in botany."

Ann is an active spokesperson for environmental issues. She was instrumental in drawing attention to the issue of deer overabundance and its severe impact on the structure and composition of Pennsylvania's forests and natural areas. She served on statewide committees and developed reports to help educate the public about the importance of this issue. While progress has been made, she maintains that more needs to be done to properly address the widespread imbalance brought on by the elimination of natural predators from the ecosystem.

Looking back, Ann reflects on her time at the Morris Arboretum with great fondness. She is grateful for the many opportunities she has been given to pursue her intellectual curiosity and the resources that were available to her through the University. "The Arboretum provided an environment for me to develop as a botanist and forge my own direction. It has been a wonderful place to spend my professional career."

Ann credits her mother for instilling in her a love of nature, and admits she has been fascinated by plants for as long as she can remember. Even though she is retiring from the Arboretum, Ann says she will continue to expand her knowledge of plants, and will still be involved at the Arboretum, helping out in botany and maybe even writing another book. In the meantime, her message not only for her grandchildren, but for all of us is a simple one—"Get out into the woods!"



I first met Ann in the spring of 1987 when I interviewed for the Plant Protection intern position. At the time, I knew a little bit about plants and very little about horticulture; I knew even less about plant pathology and entomology, two of the main responsibilities of the plant protection intern. I remember telling Ann that I had no background in these two subjects, and she replied, "I don't see that as a problem." It was that matter-of-fact confidence in me that inspired me, and that I still keep in mind today. — Anthony Aiello, *The Gayle E. Maloney Director of Horticulture and Curator*

Ann's contributions as a botanist to the Morris Arboretum, the University, the Commonwealth and the larger botanical community are sufficient enough to earn her the mountain laurel crown. Rachael Carson may be Pennsylvania's better known natural history scientist and advocate, but they stand together. Praise and gratitude from her students is consistent. Ann inspires, and her work has touched many lives. I first met Ann when I was a trainee here in 1979. The awe of that introduction has not diminished. — Robert Gutowski, *Director of Public Programs*

The Lydia Morris Legacy Society

VICTORIA SICKS, Associate Director of Development, Individual and Planned Giving



Mary Graham sees the Morris Arboretum through the eyes of a painter. On a recent walk at Bloomfield Farm with Mary and her husband, Dick, I was struck by her observations of the late fall light and the wide open sky. Two years ago, the Grahams provided for the construction of a nursery bed at Bloomfield Farm; it has become a most useful space for nurturing tender young Arboretum-propagated plants. Most recently, they have included the Morris Arboretum in their estate planning. As we welcome them into the Lydia Morris Legacy Society, we thank them for joining with others who have made similar provisions.



Although Mary and Dick Graham grew up in the Philadelphia area, they first got to know the Morris Arboretum when, as residents of St. Louis, they would come back to Philadelphia to visit. Their daughter Carol was living in Flourtown, and Mary came to the Arboretum to walk and relax from grandmotherly baby-sitting duties. In 1999, the Grahams moved back to the Main Line and began to enjoy the Arboretum on a more regular basis. As Mary said recently, "The garden is a welcoming retreat. It isn't just for viewing; it's for being in it."

In 2005 the Directors' Guild was formed, with Mary and Dick as founding members. Mary organized a yearly day trip

for Directors' Guild and Advisory Board members and continues to assist in designing each year's trip.

The Mary P. and Richard W. Graham Endowment will benefit the conservation and development of what Mary refers to as the "wild garden," the natural areas at the Morris Arboretum, particularly along Paper Mill Run. This endowment is being created in honor of their four children, Susan, Carol, Betsy and Rick, who also visit the Arboretum. Mary particularly enjoys the changing beauty of the vista across the Wetland toward Bloomfield. It is this living, natural beauty that she appreciates along with her recognition that "gardens are good for the soul, especially this one."

The ability of the Morris Arboretum to conserve and enhance the living collections depends on the generosity of caring people who make financial commitments for the future of the garden and its visitors. We are grateful to count Mary and Dick Graham among those who have ensured that the garden will be saved for future generations.

If you are interested in joining with Mary and Dick Graham and many others who have supported the future of the Morris Arboretum through a bequest intention, 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.

Share The Love! Become an Arboretum Education Volunteer

Join other members who want to learn more about the Arboretum and share that knowledge with visitors. On Monday and Wednesday evenings and Saturday afternoons in March you'll learn basic botany, find out how to lead great tours, and uncover the history of the Arboretum. Education Volunteer training will cultivate your inner teacher and prepare you to lead a wide variety of Arboretum programs. You'll be given the tools to engage visitors, help guests find their way, and keep them coming back.

If you are enthusiastic about the Arboretum and like working with people, join the Visitor Education Volunteers—a great group making a difference!

For more information please contact Liza Hawley, Visitor Education Coordinator, at efhawley@upenn.edu or call (215) 247-5777, ext. 128.



Photo: Paul Meyer



Photo: Lauren Fair Photography

Moonlight & Roses 2013

Make plans to join us on Friday, June 7 for *Moonlight & Roses*. Ellen and Jay Hass and Christine and Michael Bamberger will serve as co-chairs this year, two couples whose creativity and tireless efforts for the Morris Arboretum have helped make this annual fundraising event what it is today.



Photo: Paul Meyer

The gala will start at 6pm with cocktails and hors d'oeuvres in the Rose Garden, followed by dinner and dancing under the stars. Reservations are required and space is very limited. Invitations will be mailed to all Chestnut-level members and above, as well as previous *Moonlight & Roses* donors. Opportunities are also available to sponsor a table(s). For more information or to request an invitation, please contact Karen McGinley at (215) 247-5777, ext. 418 or mcginley@upenn.edu.

Proceeds from this year's *Moonlight & Roses* event will support the Morris Arboretum's annual operations and specifically, education programs that further the Arboretum mission of connecting plants, people and place.

This year's honoree is Nina Schneider. Nina has been a volunteer at the Arboretum since 1992, and has participated in a variety of projects including the design and maintenance of garden displays, the annual Plant Sale, and the redesign and renovation of The Shop at Morris Arboretum. She currently serves on the Arboretum's Advisory Board of Managers. She is also Chair of the Horticulture Committee and serves on other Arboretum committees as well. We are pleased to honor Nina and celebrate her many contributions to the Morris Arboretum community.

A Picture Perfect Wedding

Imagine your special day the Morris Arboretum, one of one of Philadelphia's premier wedding venues. Book now for 2014 and receive 2013 prices! New upgrades and renovations to the facilities in the Widener Visitor Center will enhance your event and ensure a fabulous experience for both you and your guests.



Photo: Zac Brooks

Spring at The Shop

Check out The Shop this spring for a brand new selection of distinctive items including:

- 🌿 innovative products from recycled materials,
- 🌿 unique, handmade creations from local artists, made from natural materials
- 🌿 fun printed bags for women and beautiful garden-inspired jewelry

For the kids, help get them ready for an exciting season in the garden. Gardening offers wonderful opportunities for designing and planting; harvesting, preparing, and sharing food; working cooperatively in groups; learning about science and nutrition; and creating art and stories inspired by nature. Stop in and pick up everything you need to get your budding gardener ready for spring!

JAPANESE cherry blossom festival

Two Saturdays, April 13 and 20

Celebrate this unique aspect of the Arboretum's Japanese culture and heritage, featuring a variety of wonderful activities for adults and children alike. Events are free to members or free with garden admission. Check the Arboretum's website, www.morrisarboretum.org, for information on specific events including tours, classes, etc.



Hoh Daiko Drummers
Saturday, April 13, 11am
Associated with the Seabrook Buddhist Temple in South Jersey, the Hoh Daiko drummers are known for their artful interpretations of both traditional and original music. The beautiful drums are handcrafted by group members from

wine and whiskey barrels. Audience participation will be encouraged.

Zen Archery Demonstration
Saturday, April 13 & 20, 12pm
This demonstration enlightens visitors about the ancient Japanese art of archery, which was regarded as the highest discipline of the Samurai warrior. Now known as Kyudo, this exercise combines the qualities of heart and mind at the moment of the arrow's release.

Traditional Japanese Tea Demonstration

Saturday, April 13, 1-2pm
The picnic tea or Chabako, is a beautiful and unique form of the Japanese tea ceremony. Featuring traditional costumes and designed to be done outdoors, there are four distinct presentations, one for each of the seasons. Weather permitting this demonstration will take place outside.



Photos: Arnold Winkler

Japanese Elements Tours

Saturday, April 13 & 20, 2-3pm

These tours will highlight the Japanese influences in many areas at the Arboretum, featuring the Hill and Water Garden, the Rock Garden in the Fernery and the Japanese Overlook Garden.

Samurai Arts Group

Saturday, April 20, 11 am-12 pm

Back by popular demand, the River of Life Martial Arts & Wellness Center will once again perform the ancient Japanese swordsmanship technique, Ken Jutsu. Used by the samurai on the battlefield, Ken Jutsu is a sophisticated method of personal combat and strategy that is adapted and applied today to find harmony in one's life. From these ancient lessons, the practitioner finds the ability to remain calm under pressure, to face one's fears with strength, to have clarity in the midst of confusion, and to surmount obstacles with grace.

Kimono Dressing Demonstration

Saturday, April 20, 1-2 pm

Young and old alike will delight in the beautiful kimonos exhibited by Fumiyo Batta, a "Cultural Ambassador" for the Subaru Cherry Blossom Festival. Since the festival's inception in 1998, Mrs. Batta has given numerous classes and demonstrations, including seminars on the art of kimono, traditional Japanese attire, and has been considered a significant Japanese cultural asset in the Delaware Valley area for the past two decades. As an extensive collector of kimonos, she will talk about the history of the kimono and demonstrate how to wear them. Participation from the audience will be welcomed.

Plant Sale 2013

Join us on Mother's Day weekend for our Annual Plant Sale at the Horticulture Center at Bloomfield Farm. The sale will take place Thursday, May 9 – Saturday, May 11. Invitations will be mailed to members at the noted levels. Register online or call (215) 247-5777, ext. 170.

Save the Date for Members-Only Plant Sale Events

Morris Arboretum membership offers a variety of special benefits during the Plant Sale. All members receive 10 percent off their entire purchase and can shop before the public during Members-Only Day on Friday, May 10. Special events during the Plant Sale are offered to premier members. Not yet a premier member and interested in the events? Call the membership office at (215) 247-5777, ext. 151 or ext. 155 or send an email message to members@morrisarboretum.org to upgrade your membership today.

Plant Sale Luncheon

Thursday, May 9, 12:30-3pm

Oak level members (\$500) and above are invited to lunch with Paul Meyer, *The F. Otto Haas Executive Director*. Following lunch, these members will have the first opportunity to make purchases from a wide variety of plants at this year's sale. Invitations will be mailed and registration is required. If you're interested in upgrading your membership to attend the luncheon, contact members@morrisarboretum.org or call 215-247-5777, ext. 105 for more information.

Plant Sale Preview Night

Thursday, May 9, 5:30-7:30pm

Chestnut members (\$165) and above will enjoy a casual evening of shopping and fun. Morris Arboretum experts will be on hand to help you choose the perfect plants for your garden. Refreshments will be served. Invitations will be mailed and registration is required. If you'd like to upgrade your membership to attend the luncheon, contact members@morrisarboretum.org or call (215) 247-5777, ext. 105 for more information.

Plant Sale Members-Only Day

Friday, May 10, 10am-8pm

Bring your membership card, wallet and wagons. Shop early for the best selection. All members save 10 percent on their entire Plant Sale purchase and choose a free dividend plant. Holly members (\$250) and above receive two dividend plants and Katsura members (\$2,500) receive a special plant from a wild-collected source.

Public Plant Sale

Saturday, May 11, 10am-4:00pm



Photos: Arnold Winkler

2013 Rhododendron Plant Sale

The Greater Philadelphia Chapter of the American Rhododendron Society will again hold its annual Plant Sale at Morris Arboretum this year. Outstanding varieties of large-leaf (elepidotes) and small-leaf (lepidotes) rhododendrons will be offered, as will azaleas, both evergreen and deciduous, and kalmias (mountain laurels). The plants are selected for their colorful floral display and interesting plant forms and foliage. All are hardy in the Delaware Valley. The rhododendron sale will follow the schedule and hours of the Arboretum's Plant Sale. For information, contact: Karel Bernady, (484) 888-8244.

Would you like to take home a free rhododendron? Join the Greater Philadelphia Chapter of the American Rhododendron Society during the Plant Sale and you will receive a choice plant. The society features an outstanding quarterly journal, annual and regional conferences, and an exciting seed exchange. The chapter meets at Morris Arboretum with informative speakers, participates with a display at the Philadelphia Flower Show, and maintains a Plants for Members program to make rarely offered rhododendrons available to members. Visit the chapter's website at gpchapterars.org.



After a successful fall launch of the *Growing Minds* program for youth and families, Morris Arboretum is pleased to announce our spring line-up of creative and engaging educational programs for children ages 2-12. Class sizes are limited, so pre-registration and payment is required. To reserve your spot, visit <https://online.morrisarboretum.org/GrowingMinds> or call (215) 247-5777, ext. 125.

Seeds to Sprouts, Spring Adventures – for ages 2-4

Explore the wonders of the natural world together during a series of outdoor morning adventures. Sign up for one or both sessions:
Spring Adventures I – Six Mondays, March 11 – April 15th, 10:30-11:15am.
Spring Adventures II – Six Mondays, April 29 – June 10 (no class Memorial Day), 10:30-11:15am.

Sprouts to Saplings, Spring Explorers – for ages 5-7

Children will take a closer look at flowers, trees, birds, and other wildlife that call Morris Arboretum home, and develop their scientific observation skills while learning about ecology and having fun! Each session will end with a take-home art project. *Six Tuesdays, April 2 – May 7, 4-5pm*

Nature Photography Workshop – for ages 8-12

This workshop will get kids out in nature to be creative and have fun while capturing the beautiful landscape of Morris Arboretum during springtime! Children will learn tips and techniques concentrating on close-ups, textures, color, and landscape concepts. *Four Thursdays, April 18 – May 9, 4-5:30pm*



Photo: Kim Soles

Insect-Inspired Art: Big Bugs Art Series – for ages 6-12

Inspired by the David Rogers' *Big Bugs* exhibit, we will draw on location throughout the Arboretum and then return to the classroom to paint, create metal embossing and sculptures based on what we observe in the garden—all while learning about bugs! *Four Sundays, April 14 – May 5, 1-2:45pm.*

Mini-Morris Players – for ages 5-10

This fun-filled interactive children's theatre program returns! Young performers will don costumes and become trees, shrubs, flowers, streams, and animals, acting out a new story each week in a different spot throughout the Arboretum.

Sign up for one or both sessions:
Session 1 – Three Thursdays, June 13-27, 6:30-7:45pm. Session 2 – Three Thursdays, July 11-25, 6:30-7:45pm.



Photo: Zac Brooks

Morris Arboretum's Summer Adventure Camp

Registration is now open!

Experience big fun this summer at Morris Arboretum's Summer Adventure Camp. With changing themes each week, campers will interact with the natural world by keeping field journals, hiking in the woods, exploring the Arboretum's streams, and enjoying activities designed around David Rogers' new *Big Bugs* exhibit at the Morris Arboretum.

Big Bugs will make this year's camp extra fun, allowing campers to make some new *BFFs* (*Bug Friends Forever*). They will compare real bugs to a 1200-pound praying mantis, a parade of 25-foot long ants, and a dragonfly with a wingspan of 17 feet. It is sure to be a summer full of exciting and educational activities.

If your child needs a fun way to ease into nature, this camp is just the ticket. Summer Adventure Camp is for children ages 6 to 8, and will run for four sessions the weeks of June 24, July 8, 15 and 22 from 9:00-3:30 daily. The cost is \$265 per week for Morris Arboretum members and \$285 for non-members. Register before March 1 and receive a 10% discount. Discounts are also available for multiple-week campers. For more information visit www.morrisarboretum.org.



Photo: Jeffrey Meade



Photo: Judy Miller

Spring Continuing Education

This spring, the Morris Arboretum has more than 75 classes available for children and adults, with something to appeal to every taste. Classes are offered in:

- Health and Wellness
- Creative Arts
- Horticulture
- Birding, and more.

A complete list of classes, with pricing and registration can be found at <https://online.morrisarboretum.org/classes>.

Classes begin in February. Here is just a sampling of what's available:

- **Creating Stunning English Gardens with Yankee Practicality** (Landscape Design Series)
- Tai Chi in the Garden
- Native Plants to Love
- Tea Tasting and History
- A Trip to Grounds for Sculpture
- Spring Plein Air Painting
- Brewing: An Introduction to Beer Making

Gardening with History: Planning and Practice

Thursday, May 30, 8:30am-5pm

The Philadelphia region is particularly rich in garden heritage sites. Led by keynote speaker Peter Hatch, Director of Horticulture at Monticello, this conference will increase awareness and appreciation of historic gardens in the Delaware Valley as cultural resources worth exploring and stewarding. The conference will provide an opportunity for connection and information sharing among historic garden practitioners and enthusiasts. Speakers will address topics such as adaptive reuse, gardening with a mission, interpreting our gardens and sustaining our gardens' relevance to the community. For a complete brochure and pricing information contact (215) 247-5777, ext. 125 or jl@upenn.edu.



Photo by Robert Llewellyn, courtesy of Thomas Jefferson Foundation

Around the World in an Afternoon at Morris Arboretum's Garden Railway

Morris Arboretum's Garden Railway 2013 will transport visitors to the far ends of the earth. Spanning the globe, visitors will experience magical visits to The Great Wall of China (China), Hagia Sophia (Istanbul), Tikal (Guatemala) Maachu Picchu (Peru), Petra (Jordan), the Giza Pyramid and Alexandria Light House (Egypt), and The Eiffel Tower (Paris).

These perfectly proportioned miniature landscapes, complete with rivers and waterfalls, are set within the beauty of the Arboretum's summer gardens. They include a quarter-mile track featuring seven loops and tunnels with 12 different rail lines, two cable cars, and nine bridges (including a trestle bridge you can walk under).

Grand Opening activities will take place on Saturday, May 25 from 1-3pm. The railway will be open daily from 10am-4pm during the week, 5pm on weekends, and Thursdays in June, July and August until 8:00pm.

Photo: Paul Meyer





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Philadelphia, PA 19118

Morris Arboretum of the University of Pennsylvania

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1. Outside-County as Stated on Form 3541	4,169	4,269
2. In-County as Stated on Form 3541	1,961	1,986
3. Outside the Mail		
4. Mailed at other classes	19	19
C. Total Paid Distribution	6,149	6,216
D. Free or Nominal Rate Distribution		
3. Mailed at other classes	498	509
E. Total Free or Nominal Rate Distribution	498	509
F. Total Distribution	6,647	6,725
G. Copies not Distributed	65	75
H. Total	6,712	6,800
I. Percent Paid	92.5%	92.4%

16. Publication of Statement of Ownership. Will be printed in the Winter/Spring 2013 issue of this publication. 17. Signature and title of Editor: Susan Crane, Director of Marketing, October 1, 2012. I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).



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THE BUGS ARE COMING THIS SPRING!

On April 1st, 11 Big Bugs will descend upon the Morris Arboretum! The creation of sculptor David Rogers, these "bugs" are actually immense garden sculptures made from roots, bark, vines and fallen trees. From a four-foot spider to a parade of 25-foot long ants, the bugs will be located everywhere you look at the Morris Arboretum! A Grand Opening event will take place on Saturday, April 6th with the bugs on display through August 31st. Visit www.morrisarboretum.org for more information.

