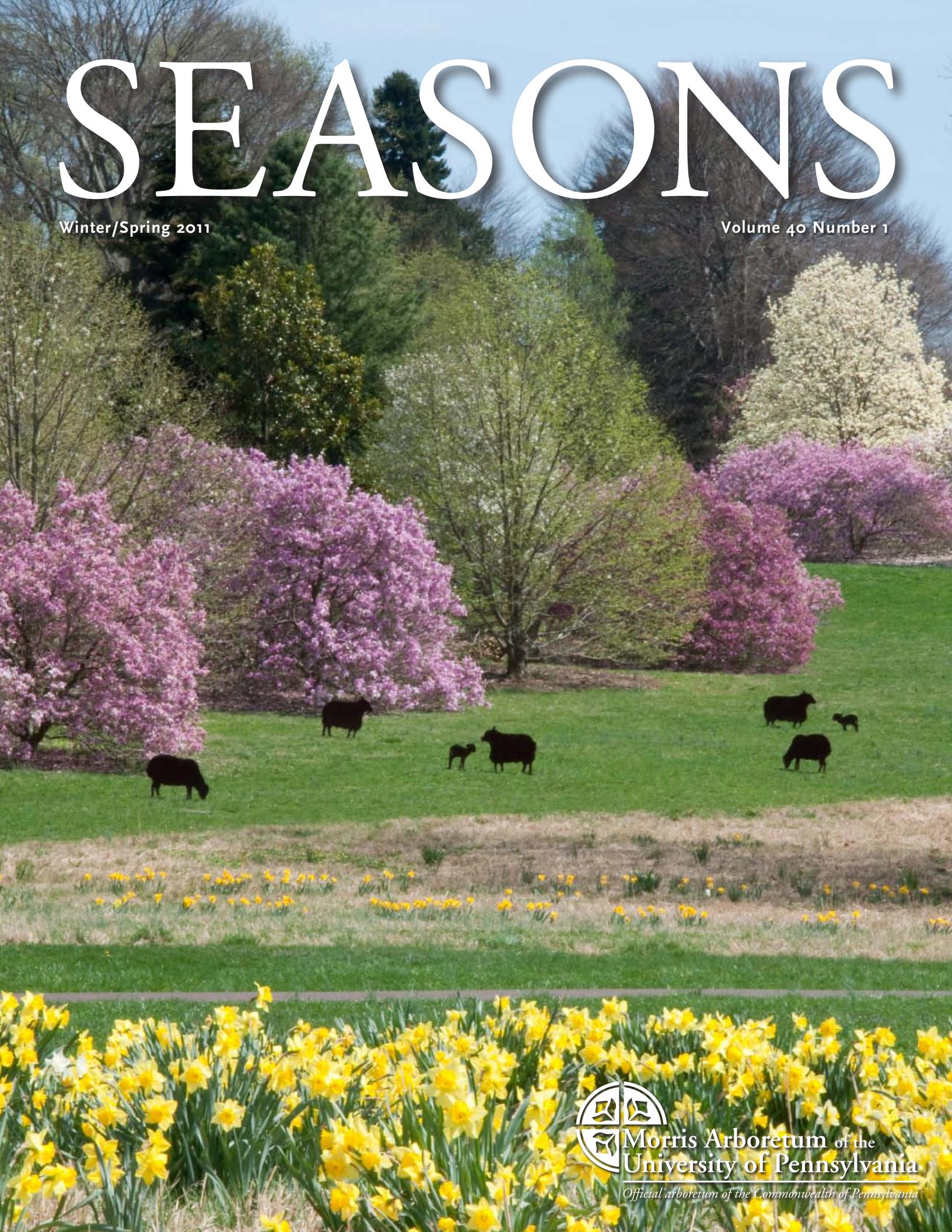


SEASONS

Winter/Spring 2011

Volume 40 Number 1



Morris Arboretum of the
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 Director*

Members – the Heart of the Arboretum

Since July 1st, 2009 and the opening of *Out on a Limb – a Tree Adventure* exhibit, membership at the Arboretum has grown by nearly 30%. Through membership fees and Annual Giving, members contribute over \$1,000,000 annually, nearly 20% of the Arboretum's operating budget. And, of course, nearly all major gifts for projects and endowments come from members. We could not do what we do without the help of our members.

I am most grateful to all our members, and encourage you to make good use of your benefits. Free visitation is the most valued benefit, and many members make a walk in the Arboretum part of their regular routine. Even during the winter, the Arboretum is a welcome change of pace from our all too hectic lives, and provides a chance to reconnect with family and friends or with our inner selves. I find special delight in a winter walk, looking for the emerging first signs of spring. Volunteers lead scheduled walks each Saturday and Sunday afternoon at 2pm, with each volunteer guide sharing a personal perspective of the Arboretum. This is a great way for both new and old members to learn more about the Arboretum and its plant collections.

New family discovery and learning activities for children and adults are now available online to enrich your visit – click on the “Plan Your Visit” section visit on our website at www.morrisarboretum.org. There’s always something to discover in the garden, even for frequent, long time visitors.

Arboretum membership also keeps you connected to the myriad of programs we offer, ranging from children’s classes to professional development seminars. Many programs focus on the Arboretum’s gardens and plant collections, while others offer off-site field trips. Members receive discounts on these classes as well as early notice of upcoming programs and events.

When visiting the Arboretum don’t forget to stop by The Shop in the Widener Center. Recently, a group of member volunteers, led by Advisory Board member Nina Schneider, renovated The Shop, improved its layout and enriched its merchandise. Whether you are looking for fun, educational toys for children or a unique gift for a gardener, make The Shop your first stop. Of course, members always get a 10% discount.

The free members’ dividend plants which are distributed at the Plant Sale are also a cherished benefit. As I have visited members in their own gardens over the years, I am pleased to see plants that they have grown for decades that originated from the Arboretum. Some proudly tell me stories of how these plants were excluded from the sale of a house and moved to their next residence. Whether they are rare or not, Arboretum plants clearly have special meaning to their owners.

Though our members are offered many benefits, many join just to help the Arboretum. Regardless of motivation, my colleagues at the Arboretum join me in thanking all our members for your loyal and generous support. As we navigate these challenging times, you can help even more by introducing a friend or relative to membership at the Morris Arboretum, and encouraging them to utilize everything the Arboretum has to offer.

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 and people. 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 – Paul W. Meyer

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Photo: Paul W. Meyer





Horticulture Center Dedication

Photos: Paul W. Meyer

On October 5, 2010, the Morris Arboretum celebrated the dedication of its new Horticulture Center Complex, a project that has been in the planning for more than 25 years. Advisory Board Chair Ann Reed remarked, "The Morris Arboretum makes planning a priority. It may take us 25 years, but we get the job done." Despite the gloomy weather, David Cohen, Chairman of the Board of Trustees of the University of Pennsylvania, felt the rain was a fitting backdrop to the dedication of a complex that is an exhibit in green design and sustainability. The event also included remarks by University of Pennsylvania President Amy Gutmann, Philanthropist Dodo Hamilton, and Arboretum Director Paul Meyer. The Horticulture Center Complex was designed and built to achieve Platinum LEED® certification. If attained, it will be the first University of Pennsylvania building to achieve this difficult standard.



Special acknowledgments to our team:

Our University of Pennsylvania colleagues who helped in so many ways – Craig Carnaroli, Marie Witt, Anne Papageorge, John Zeller, David Hollenberg, Marc Cooper, Mariette Buckman, and Dan Garofalo.

General Contractor – W.S. Cumby, led by Craig Irvine, Amber Donato, Bob Long, Mike O'Brien, and Bill Cumby, Jr.

Architects – Overland Partners: Bob Shemwell, Jim Taylor, and Joel Albee; Muscoe Martin of M2 Architects, and Makella Craelius.

Morris Arboretum's Landscape Architects for over 30 years – Andropogon Associates: Colin Franklin and John Nystedt.

Project Leaders on our Own Staff – Bob Anderson, Kevin Schrecengost, Anthony Aiello, Vince Marrocco, Louise Clark, Keith Snyder, Bob Gutowski, Susan Crane, Melissa von Stade, Melissa Calvert, Victoria Sicks and Leslie Weisser, and the entire staff that helped in so many ways.



"This Horticulture Center provides extraordinary evidence of the growth of the Arboretum – in prominence, in physical facilities, and in leading the way with its sustainability efforts. It is safe to say that the Horticulture Center provides facilities for education, and with its environmentally-aware capabilities, it will be an education in itself."

DAVID COHEN, CHAIRMAN OF THE BOARD OF TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA

"Thirty years is a long time to dream. I didn't know if we'd all still be around, but here we are and isn't it wonderful! We made it, this project made it, and I'm so proud to be a part of it."

DODO HAMILTON, PHILANTHROPIST AND LONGTIME ARBORETUM SUPPORTER

"I have been anticipating this day for nearly 30 years. We are very grateful to the many contributors to the Always Growing Campaign who made this project possible, led by Dodo Hamilton, The Haas Family, Ed Rendell, governor of The Commonwealth of Pennsylvania, and the William Penn Foundation. A project like this happens only with the dedicated commitment of a huge team of individuals planning and implementing the work."

PAUL MEYER, THE F. OTTO HAAS DIRECTOR OF MORRIS ARBORETUM

"...no place – old or new – can hope to rival what has taken root and grown here over the past century. For an outstanding example of what can be achieved when respect for nature, love of education, and dedication to the future are combined, one can do no better than to visit the Morris Arboretum. This group of structures boasts the very best in sustainable design, and is on track for a coveted Platinum LEED® certification. If John and Lydia were here with us now, I am sure they would look on these structures with as much love and awe as they did when they studied their plants and trees so many years ago."

DR. AMY GUTMANN, PRESIDENT OF THE UNIVERSITY OF PENNSYLVANIA

Photos: Zac Brooks



Native Flowering Dogwood



Photo: Paul W. Meyer

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

One of the highlights of spring is watching native flowering dogwood (*Cornus florida*) come into bloom. Whether it is growing in its indigenous locations along woodland edges or in gardens, these trees are one of the loveliest sites to see in spring. The dogwood is one of the finest small flowering trees available for the garden. It has a large native range, occurring throughout the eastern United States, from New England to Florida and westward to Michigan and Texas.

This is a tree that truly provides multiple seasons of interest. What first comes to mind for most are the showy white flowers that bloom in profusion and face upwards along the branches (the flowers are actually small and insignificant in *Cornus florida*, it is the surrounding bracts that provide all the show). The bracts come in a range of colors, from white and cream, to pink and even red. In summer, the horizontal branching and dark green foliage provide a focal point in the garden. When autumn comes, the leaves consistently turn a red to reddish purple color, and are often one of the first plants to change. Also in autumn, the bright red fruits are a favorite food for dozens of bird species, and there is nothing more picturesque than seeing these trees covered in snow in winter.

Flowering dogwood is a medium-sized tree, growing to up to 25 feet tall, and useful in a variety of settings. They can be used as a specimen, near a patio or in a small garden, or massed in larger settings. There are some disease problems with flowering dogwood, most notably dogwood anthracnose. However, with proper planting and care, these trees can thrive in our area. Flowering dogwood prefers moist, well-drained, somewhat acidic soil, and protection from harsh wind and sun. The trees resent being planted in the open where they face competition from turf grass and trunk damage from lawn mowers.

The number of cultivated varieties available are too numerous to list, but there are a few special varieties worth seeking out. For white flowering forms, 'Appalachian Spring' and 'Cherokee Princess' are excellent choices. As for the red forms, try either 'Cherokee Chief' or 'Sweetwater Red'. If you are a true plant connoisseur or just want something different, the double-flowered forms ('Plena' or 'Pluribracteata') are beautiful additions to the garden.

Any gardener looking for a small tree to add for year-round interest will not be disappointed by flowering dogwood.



Photo: Paul W. Meyer

2011 Rhododendron Plant Sale

The Greater Philadelphia Chapter of the American Rhododendron Society will hold its Annual Plant Sale at Morris Arboretum this year. A large selection of outstanding rhododendrons, all hardy in the Delaware Valley, will be available. Helpful staff will guide you in choosing the right shrub for your needs and share their expertise to successfully grow it in your garden. Plants offered will include large-leaf (elepidotes) and small-leaf (lepidotes) rhododendrons, evergreen and deciduous azaleas, and kalmias.

Featured this year will be seedlings of the fiery-blooming *Rhododendron calendulaceum* (flame azalea). This native, deciduous azalea graces the Appalachian Mountains with delightful blossoms of orange, yellow and red in May and June. William Bartram, in his book *Travels* wrote, "This is certainly the most gay and brilliant flowering shrub yet known."

Become a member of the Greater Philadelphia Chapter of the American Rhododendron Society at the Plant Sale and take home a choice plant. Members also receive an outstanding Quarterly Journal, invitations to annual and regional conferences, and an exciting Seed Exchange. The rhododendron sale will follow the schedule and hours of the Arboretum's Plant Sale. For information, contact Karel Bernady at (610) 827-0113.

Photo courtesy Karel Bernady

Plant Sale 2011

Join us Mother's Day weekend for our Annual Plant Sale at the Horticulture Center at Bloomfield Farm. The sale will take place from Thursday, May 5 – Saturday, May 7. 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. Special events during the Plant Sale are offered to premier members. Not 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 to members@morrisarboretum.org to upgrade your membership today.

Plant Sale Luncheon: Thursday, May 5, 12-2:30pm

Oak level members (\$500) and above are invited to join Paul Meyer, the *F. Otto Haas Director* for lunch and have the first opportunity to shop at the Plant Sale. Eligible members will receive an invitation and registration is required.

Plant Sale Preview Night: Thursday, May 5, 5:30-7:30pm

Open to Chestnut level members (\$165) and above. Eligible members will receive an invitation and registration is required.

Plant Sale Members-Only Day: Friday, May 6, 10am-8pm

Bring your membership card, wallet and wagons! Shop early for the best selection. Don't forget to clip your free bonus plant coupon found in the Plant Sale brochure which will be mailed in early April.

Plant Sale Family Night: Friday, May 6, 5:30-7:30pm

Beech level members (\$115) and higher are invited for this fun, family evening. A planting activity will be available for children. Registration is required. Look for more details in the Plant Sale brochure which will be mailed in early April.

General Admission Plant Sale: Saturday, May 7, 10am-4pm

The public is invited to shop at the Plant Sale.



Moonlight & Roses 2011

30th Anniversary



Photo: Annie Hosfeld

This year, the Arboretum's annual fundraising gala, *Moonlight & Roses* will take place on Friday, June 10. Alice Bullitt and Paige Yager will be serving as co-chairs this year. Alice and Paige are young community leaders who have served on the *Moonlight & Roses* committee for several years. Both are excited to lead this year's committee efforts as *Moonlight & Roses* celebrates its 30th anniversary.

Net proceeds from the event will benefit the Arboretum's Historic Preservation Endowment. The evening will celebrate the extensive preservation work that has been completed at the Arboretum over the past few decades, and will look ahead to ensure that the beauty of the Arboretum's landscape will be available for generations to come.

This year's honorees are longtime Arboretum friends Elizabeth and John Shober. John is a current member of the Advisory Board of Managers and serves on several committees, including the Development and Finance committees. He also

serves as Co-Chair of *Always Growing* – the Campaign for Morris Arboretum. Elizabeth is a member of the Directors' Guild. John and Elizabeth are also members of the Lydia Morris Legacy Society, having created several annuities to benefit the Historic Preservation Endowment, a particular concern of theirs. John likes to say, "The road to Hell is paved with deferred maintenance!" Both John and Elizabeth recognize the Arboretum's accomplishments and challenges, and serve as sound advisors and enthusiastic ambassadors.

The gala will start at 6pm with cocktails and hors d'oeuvre buffet 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 members and above, as well as to previous *Moonlight & Roses* donors. Opportunities are also available to sponsor a table(s). For more information or to request an invitation, please contact Miriam Pinsker at (215) 247-5777, ext 281, or mpinsker@upenn.edu.



Photo: Paul W. Meyer

Last August, the Arboretum was pleased to welcome Justin Jackson as the new Horticulture Section Leader for the Rose Garden. Justin graduated from the University of Georgia with a bachelor's degree in Landscape Architecture and a minor in Horticulture. He is a registered Landscape Architect and practiced landscape architecture for four years prior to entering into public horticulture. Justin came from Atlanta where he worked as a horticulturist at the Atlanta Botanical Garden, primarily in their woodland garden. Justin had been following the Morris Arboretum for years, and when he heard of the opening for a Rosarian, he jumped on the opportunity. He and his wife now live in Center City and have fallen in love with the Philadelphia area.



THE CAMPAIGN FOR MORRIS ARBORETUM



Photo: Bob Gutowski

Thank you for the extra measure of support!

A special thank you to the leadership donors who have made a gift of \$25,000 or more between July 1, 2009 and December 20, 2010.

For more information please feel free to contact Melissa Calvert, Director of Development
215.247.5777 x102 or mcalvert@upenn.edu

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Estate of Sigrid Berwind
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Make the most of your Gift to the Annual Fund



The Annual Fund

Late last year, Marguerite and Gerry Lenfest, special friends of the Arboretum, visited and were delighted to see, first-hand, the transformation of the gardens over the past two years. Recognizing the need for unrestricted funds to conserve and enhance the Morris Arboretum as Philadelphia's premier public garden, the Lenfests made an extraordinary offer. They will provide a 1:1 match – up to \$50,000, for every new or *increased* annual gift that is received by the Morris Arboretum this year! We are honored by the Lenfests' generosity and by their commitment to the work and mission of the Arboretum. We hope that you share in our excitement and respond today. Your gift will help to preserve the Morris Arboretum, a place that means so much to us all! Every gift to the Annual Fund makes a difference.

Did you know?

The Annual Fund raises unrestricted donations or gifts specifically to help offset the Arboretum's annual operating expenses. It is the Annual Fund that supports the budget for salaries and benefits for the staff with the remainder supporting equipment, maintenance and other operating costs. By supporting the Annual Fund, donors make the continuing growth at the Arboretum possible. However you decide to contribute, giving to the Annual Fund is one of the best ways you can make a difference. If you have any questions, please feel free to contact Shannon Makhija at (215) 247-5777, ext. 161 or smakhija@upenn.edu, or visit us online to give a gift today at www.morrisarboretum.org.

Members Only Discounts

The following businesses offer Arboretum membership card holders a discount on purchases.

ARTEFACT ARCHITECTURAL ANTIQUES

Furlong, PA

www.artefactantiques.com

BOTANICAL EXPRESSIONS

Flourtown, PA

www.botanical-expressions.com

CEDAR RUN LANDSCAPES

North Wales, PA

www.YourPond.com

COUNTRYSIDE NURSERY & GARDEN CENTER

Newark, DE

www.countrysidegardencenter.com

DANIEL'S LAWN & GARDEN CENTER

Harleysville, PA

www.danielslawnandgarden.com

DAVID BROTHERS BEAN ROAD NURSERY

Worcester, PA

www.davidbrothers.com

GASPER LANDSCAPES

Richboro, PA

www.gasper.net

HOLLY DAYS NURSERY & LANDSCAPING

Ambler, PA

www.hollydaysnursery.com

LAUREL OAK GARDEN CENTER

Marlton, NJ

MARANO GARDENS

Fort Washington, PA

MARIE'S GARDEN

Collegeville, PA

www.mariesgardenflowers.com

NIGHT KITCHEN BAKERY

Philadelphia, PA

www.nightkitchenbakery.com

ONCE UPON A GALLERY

Philadelphia, PA

www.onceuponagallery.com

PLYMOUTH NURSERY

Plymouth Meeting, PA

www.plymouthnursery.com

POPES' GARDENS

Waterford, NJ

www.popesgardens.com

SANCTUARY

Philadelphia, PA

www.sanctuaryyogashop.com

STABLE TABLES

Flourtown, PA

www.tablesbenches.com

TEN THOUSAND VILLAGES

Philadelphia, PA

www.chestnuthill.tenthousandvillages.com

THE APOTHECARY GARDEN

Philadelphia, PA

www.theapothecarygarden.com

THE BONE APPETITE

Philadelphia, PA

www.theboneappetiteonline.com

THE CAROL SCHWARTZ GALLERY

Chestnut Hill, PA

www.carolschwartzgallery.com

THE PHOTO WORKSHOP

Philadelphia, PA

www.thephotoworkshop.net

Visit www.morrisarboretum.org for more details.

Re-Creating a Piece of the Past

VICTORIA SICKS, Associate Director of Development for Major Gifts

Photo: H.Y. Touhashi



John Morris in the Hill and Water Garden, 1911

In 1887, John and Lydia Morris "...took a trip to Japan that was to leave a permanent impression on the Arboretum," as noted by former Director William M. Klein in 1977. This trip took place 11 years after the Centennial Exhibit in Philadelphia, where the Morrises may very well have seen the significant exhibit of Japanese art and architecture, the first such exhibit in America. They brought back a variety of Japanese wares and installed a Japanese tea house in the woods (where the Outdoor Classroom now stands). In 1905, garden designer Mr. Y. Muto was employed by John Morris to create the Hill and Water Garden. Mr. Muto also is responsible for the design of the Japanese Overlook Garden.

The original design reflected the Japanese landscape, ranging from mountains to river beds. In the Morrises' time and for many years after, the Hill and Water Garden was home to a number of sculptures, including a beautiful six-foot pagoda, which stood atop the central "hill." No one really knows what happened to the various pieces of statuary. It is possible that they were removed to the basement of Compton, the Morris mansion, for safekeeping at the beginning of World War II, forgotten there and ultimately buried with the mansion when it was torn down.

Although it comprises only 2/5 of an acre, this little gem tucked between the Garden Railway and the Swan Pond is a charming and restful spot that has been carefully restored. Over the past 10 years, Horticulture volunteer Hiram Munger has assisted Iana Turner, the Horticulture Section Leader for that part of the garden, with an extensive

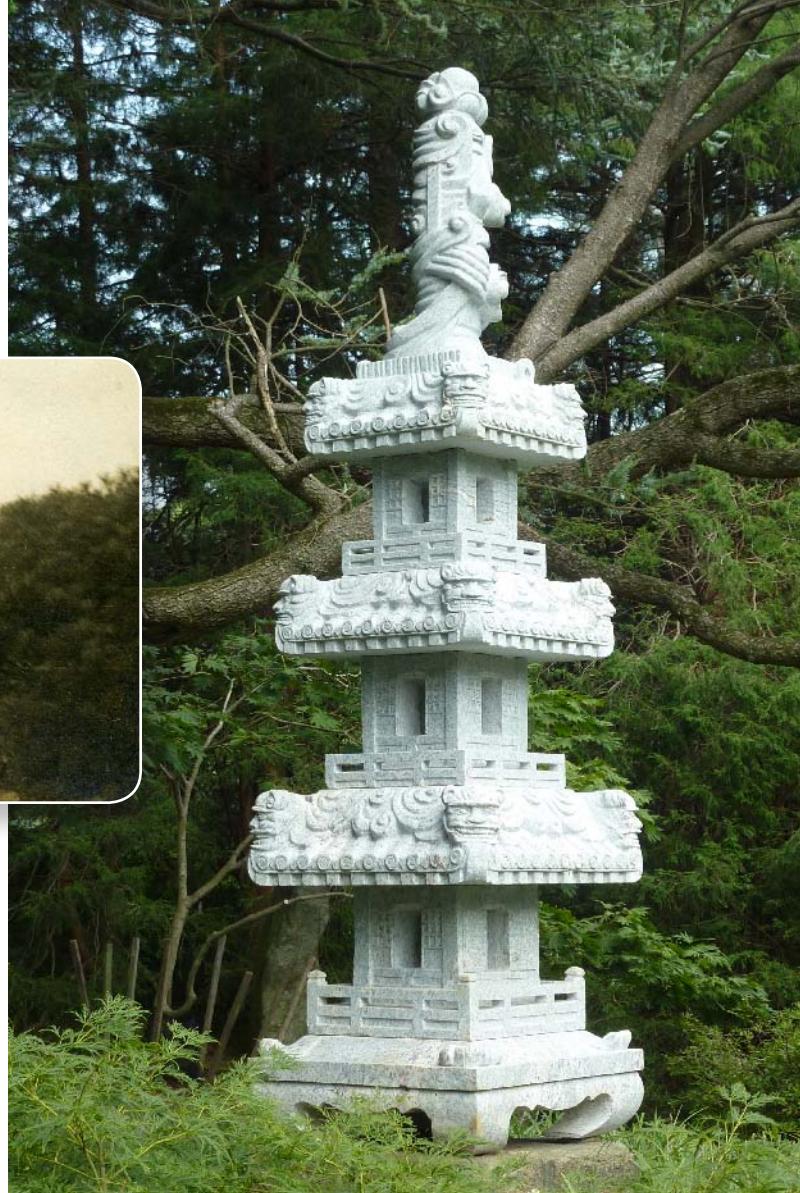


Photo: Paul W. Meyer

restoration of the green elements. Much of the rampant bamboo has been removed, and what remains is now carefully controlled. Garden beds were completely replanted and plants moved. Four new Japanese maples have been introduced into the landscape, as have a variety of grasses and perennials. At least one azalea and several of the larger trees provide a living link to John and Lydia Morris and as such are carefully tended.

It was with great pleasure that a re-creation of the pagoda was introduced to the Hill and Water Garden late last year. It is a gift in memory of John Booth Clapham and his wife, Mary Hacker Clapham, given by their family. John Booth Clapham was a University of Pennsylvania alumnus and Mrs. Clapham was a lateral descendant of the Morrises. That relationship provides another connection with the brother and sister whose presence here is still so strong, more than 100 years after they came to Chestnut Hill to build a summer residence that would become the Morris Arboretum of the University of Pennsylvania.

The Haas Endowment Leadership Challenge: An invitation to celebrate the past and secure the future of the Morris Arboretum

LESLIE A. WEISSER, Assistant Director of Development

Since its inception, the Morris Arboretum has flourished because of the financial resources made possible through endowment gifts. The Arboretum's first endowment was established through the bequest of Lydia Morris who, with her brother John, founded this historic property – called Compton – in 1887 and donated the estate to the University of Pennsylvania upon her death. The Morris' vision for the future of this institution as a public garden and an educational institution was realized because of their generosity and planning for the future. Lydia's initial endowment gift, with a value of approximately \$1 million at the time of her death in 1932, ensured that the Morris Arboretum would be preserved in perpetuity for the benefit of the public. Today, the number of endowments established at the Morris Arboretum has grown to 49 funds with a total value of more than \$35 million. Each endowment established by Arboretum friends enhances the Arboretum in general or a specific project or program. In FY11, it is anticipated that these 49 endowments will generate some \$1.7 million of spendable income, approximately 30% of the Arboretum's annual operating budget, to support the specific purposes outlined in each of these funds.

For more than two decades, John and Janet Haas have been leading advocates in promoting the importance of endowment support for the Morris Arboretum. They have long recognized the significance of strengthening the Arboretum's endowments in order to ensure consistent funding streams that will address the ongoing needs of this renowned institution. The Haas family, along with many other individuals and families, has established endowments or added gifts to existing endowments that reflect aspects of the Arboretum's mission that are most dear to them.

In October 2010, John and Janet Haas stepped forward once again and made an extraordinary \$1 million commitment, designated to support three Morris Arboretum endowments that are among the Arboretum's highest priorities: the Historic Preservation Endowment, the Equipment Replacement Endowment, and the Horticulture Center Endowment. These three endowment funds provide essential resources to address the Arboretum's most basic funding needs: for conserving its historic buildings and gardens, purchasing the vehicles and equipment required to sustain and enhance the Arboretum's 167-acre landscape, and maintaining the new Horticulture Center at Bloomfield Farm.

Photos: Paul W. Meyer

John and Janet Haas expressed their hope to Director Paul Meyer that their contribution might serve as an impetus to increase overall endowment support. Through The Haas Endowment Leadership Challenge, John and Janet Haas will offer a 1:1 match to every gift – cash gifts, gift pledges, gifts of marketable securities, and planned gifts – designated for any of the Morris Arboretum's existing or newly established endowment funds. The Haases'





In 1985, Stanley and Joan Root established an endowment in memory of their son, Walter, named the Walter W. Root Memorial Arborist Endowment. Income from this endowed fund supports the practical training of a young arborist annually through the Arboretum's Internship Program. Here, the Roots are pictured with Daniel Church, the 2009-10 Walter W. Root Intern.

\$1 million commitment combined with matching gifts totaling \$1 million to endowment funds will generate approximately \$90,000 each year. These additional funds offer invaluable support for the ongoing work of the Morris Arboretum.

Since July 1st, the Arboretum has received a total of 29 gifts designated for a variety of endowment funds, including the Children's Education Endowment, the Tree Endowment, the Equipment Replacement Endowment, the Horticulture Center Endowment, and the Historic Preservation Endowment. These contributions, totaling \$161,903, reflect gifts of cash, memorial gifts and gifts of tribute, gift annuities, and estate gifts. Each of these gifts will be matched in full through The Haas Endowment Leadership Challenge.

The Morris Arboretum endowments that have been identified as being of highest institutional priority within the current strategic plan include the Historic Preservation Endowment, the Equipment Replacement Endowment, the Horticulture Center Endowment, the Staff Development & Compensation Endowment, and the Compton Endowment Fund (for general operating support). As you look to the year ahead and reflect on the ways in which you might support the Morris Arboretum, we hope that you will join us in meeting The Haas Endowment Leadership Challenge through an endowment gift!

If you are interested in knowing more about the role of endowments at the Arboretum or in supporting a specific endowment, please contact Melissa Calvert, Director of Development at (215) 247-5777, ext. 102 or via email at mcalvert@upenn.edu.

Endowments & Planned Giving – Providing Critical Support to the Morris Arboretum

VICTORIA SICKS, Associate Director of Development for Major Gifts

The Morris Arboretum will always depend on the health and breadth of its endowments to support its mission. Planned gifts designated for endowment are instrumental in providing the resources needed to create extraordinary opportunities and preserve the Arboretum's future. Indeed, much of the Arboretum's progress in recent years has been made possible by endowment gifts.

The Morris Arboretum encourages donors to support existing or new endowments through their estate plans, and many of the Arboretum's endowments were created by individuals in their wills. When an unrestricted bequest is received by the Arboretum, every effort is made to use that gift to strengthen an endowment, thereby ensuring a lasting legacy for the donor.

Planned gifts, or bequests, enable donors to make significant gifts to the Arboretum in ways that complement their personal financial planning. Properly constructed gifts can help donors reduce or eliminate capital gains or estate taxes, obtain significant income tax deductions, and provide annual income.

Programs and projects at the Morris Arboretum depend upon your goodwill. To that end, there are a myriad of gift options from which you can choose – from naming the Arboretum as a beneficiary in your will to developing a more complex trust arrangement. Charitable gifts help us meet our current and future goals. By giving wisely, you can achieve that same outcome, too.

If you are interested in learning more about bequests or planned gifts to the Morris Arboretum, please contact Victoria Sicks, Associate Director of Development at (215) 247-5777, ext. 152, or via email at vsicks@upenn.edu.

Botany Highlights

TIMOTHY BLOCK, Director of Botany

The year 2010 was a busy and productive one in the Botany Department. There are several successes to celebrate, some challenges to face, and as always, some very important people to thank.

A huge step forward was taken with the hiring of Arboretum Research Botanist Dr. Michael Burgess, who assumed a new position at the Arboretum on January 4, 2011. This position was made possible by generous funding from the McLean Contributionship and several other donors. Michael is a New Hampshire native, and comes to the Arboretum from the University of Maine where he recently completed his doctoral dissertation research on the genus *Amelanchier*.

Shadbush, juneberry, and serviceberry are among the common names by which the genus *Amelanchier* is known. This group is difficult to learn to recognize due to the many “abnormal” reproductive strategies employed by these plants. Michael’s work helped clarify the relationships among these species, which play important roles in natural systems and horticultural landscapes.

One of Michael’s responsibilities will be updating and redesigning the Pennsylvania Flora Project website (www.paflora.org). We recognize our responsibility to provide easy-to-access, accurate, and up-to-date information on plants to professionals, students, land managers, and the public. Michael also will be involved in the research, teaching, and other activities of the Botany Department.

Following the passage of a bond issue to support open space preservation, the Bucks County Commissioners asked the Morris Arboretum’s Botany Department to undertake an update of the Bucks County Natural Areas Inventory they first completed in 1999. These documents have been instrumental to conservation of critical natural resources in Bucks County.

Although Bucks is one of the most populous counties in the state, there remain many natural places worthy of protection. Some highlights include the diabase woodlands in upper Bucks, which represent the largest contiguous wooded area in the county. Also of special interest are the Cooks Creek and Tinicum Creek Watersheds, both of which have the exceptional value (EV) designation from the Pennsylvania Department of Environmental Protection. An often underappreciated natural area is the Atlantic Coastal Plain

Nymphoides cordata (little floating heart)

in lower Bucks. This landscape includes Delhaas Woods, the largest remaining Coastal Plain site in Pennsylvania at about 240 acres. With 40 species of rare, threatened, and endangered plants, Delhaas Woods is home to the greatest number of species of special concern in Pennsylvania.

The final report on this project will identify 13 Conservation Landscapes as areas of Bucks County where forest cover, stream corridors, and existing preserved open space make additional land preservation particularly valuable. These Conservation Landscapes are located throughout the county and cover more than 160,000 acres, or more than 40% of the total land area.



Photos: Timothy Block

Finally, following on the success of the publications *The Plants of Pennsylvania: An Illustrated Manual*, and *Trees of Pennsylvania: A Complete Reference Guide*, the manuscript of *The Aquatic Plants of Pennsylvania: A Complete Reference Guide* was submitted to University of Pennsylvania Press. The Botany Department received funding from the Pennsylvania Wild Resource Conservation Program for seven years to support study of the distributions of aquatic plants in eastern Pennsylvania. During that time, the need for a book specifically about aquatic plants became clear. Few people recognize that there are more than 200 species of flowering plants growing in the lakes and streams of our state. The importance of these plants in supporting natural functions such as nutrient cycling and water purification is underappreciated and often misunderstood.

This new book is written with the amateur botanist in mind and includes sections on aquatic ecology as well as how to accurately identify the many species of aquatic plants often referred to by the uninitiated as “seaweed.” It is our hope that lake owners, land managers, students, members of the fishing and boating communities, and the general public will find this book useful, and that it will inspire a greater understanding of the importance of protecting aquatic ecosystems.

Support for the publication of *Aquatic Plants of Pennsylvania: A Complete Reference Guide* was generously provided by Elizabeth and Bill McLean, Sandra McLean, Elizabeth and John Shober, the Mount Cuba Center (special thanks to Rick Lewandowski), and the Business Services Division of the University of Pennsylvania.

A Passion for Trees

CHRISTINE PAPE, *Editor*

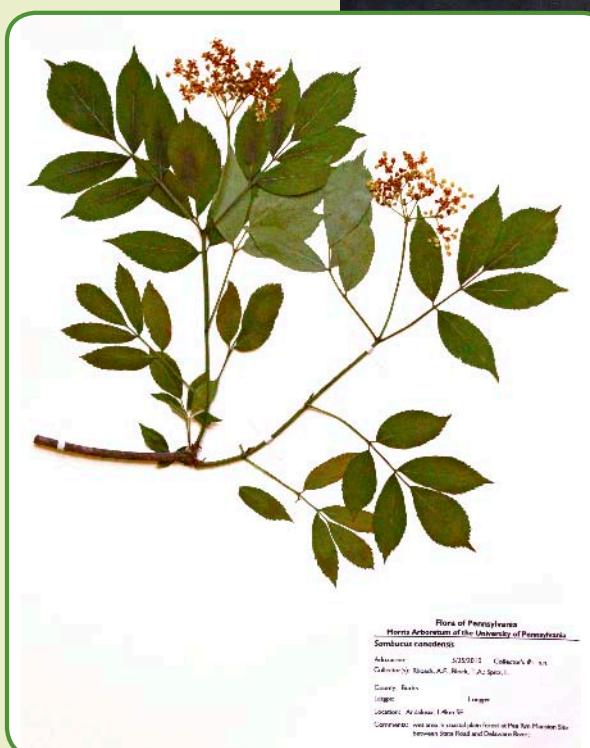
Joanne Ford can't remember a time when she didn't love trees. The daughter of a lumberman, she grew up in Northern Pennsylvania, but has lived all over the country. Having now been back in the area for more than 26 years, she says that one of her favorite things about Pennsylvania is the variety of trees that grow and flourish here.

Her return to the area and her love for trees are what led her to become a guide at the Arboretum in the early 1990s. About ten years ago, when she was looking for additional ways to become involved, she began volunteering in the Botany department. It is there she found her passion. Each week for several hours, Joanne helps prepare and mount plant specimens for archiving in the Arboretum's herbarium. "I wanted to do something lasting and important, and it's a quiet and beautiful activity," she says.

The Arboretum's herbarium is home to a collection of close to 35,000 dried and pressed botanical specimens, the oldest of which dates back to the mid 19th century. These specimens provide an invaluable resource for Arboretum staff, interns and visiting researchers to study the history of both specific plants and American botany.

The process of creating an herbarium specimen is a lengthy one. It typically begins with collection in the wild by one of the Arboretum's botanists. Director of Botany Dr. Tim Block and Senior Botanist Dr.

Ann Rhoads spend countless hours each year in the natural areas of Pennsylvania searching for new, rare, or out-of-range species. Once found, a sample of the plant is brought to the Arboretum, then pressed, dried, and stored until it can be mounted. The mounting process is delicate, and involves arranging the plant material on a stiff sheet of archival paper so that all parts of the plant are visible. Specimens are typically pinned to the paper or mounted with a special tape or glue. A label is then created containing pertinent information such as the date and location of the collection, the name of the collector, and any additional comments. At this point, the specimens are then frozen for a short time to ensure protection from insects or disease.



Photos: Paul W. Meyer

When ready, the specimens are moved to the Arboretum's herbarium, a special area located in the Widener Visitor center that is both temperature and humidity controlled. Specimens are filed by family in evolutionary order. The Pennsylvania specimens in the Arboretum's herbarium can be searched at www.paflora.org.

In the last ten years, one could only guess how many specimens Joanne Ford has prepared for the herbarium, but it's definitely in the thousands. No doubt, she has played a key role in helping preserve the beauty and history of many unique plants for future generations of students and researchers, but she also made a significant contribution to help fund the new Arboretum Research Botanist position that was assumed by Dr. Michael Burgess in January. Joanne's efforts are much appreciated by Director of Botany, Tim Block. "Joanne's attention to detail and appreciation for the beauty of a well-prepared herbarium specimen make her a special part of our efforts to help people understand the importance of plants in their lives. She's a critical part of the Botany Department team," he says.

Winter Tree Care

ROBERT WELLS – Associate Director,
Arboriculture Outreach

Now that winter has arrived and the garden is buttoned up for the season, it is easy to forget that this can be an important time to perform tree care. Winter is an excellent time to do what is referred to as Visual Tree Analysis (VTA). A deciduous tree in winter is laid bare for examination much like a skeleton, and enables a trained arborist to look for structural defects in the crown of the tree that may not be apparent in full leaf. These include cavities and cankers, as well as crossing branches, dead wood and potentially weak areas such as co-dominant stems that have grown together. The process includes examination of the tree from all sides and the surrounding area, and may involve sounding with a rubber mallet or closer examination with a resistograph. VTA is a systematic process of examining all the parts of a tree including the crown, trunk, and root flare, and recording those observations so that a proper diagnosis and prescription can be made to ensure the long term health of the tree. VTA is the first step in developing a comprehensive Plant Health Care Program (PHC) that will manage the tree's care through a series of annual visits during the tree's lifetime.

One of the central beliefs regarding good tree care is that making small changes to a tree over a long period of time is more beneficial than making big changes quickly. This may mean reducing an unwanted limb in stages over a five-year period versus cutting it all at once, thereby lessening the risk that the wound might not close. This is often referred to as "structural pruning" and is best done on young trees in the winter when the shape of the tree is more apparent. Winter pruning such as this is analogous to working on an anesthetized patient. Most important, the best thing you can do for your trees is find a qualified, certified arborist to assist you with tree care. Once you find and develop a client relationship with an arborist you trust, you will find that he or she will approach the trees in their care with a long term view, ensuring their beauty and health for many years to come.

Associate Director of Urban Forestry Jason Lubar performs Visual Tree Assessment (VTA) on a large ash in Makefield Township, PA.

Photo: Bob Wells



De-Icing – Some Winter Strategies



Photo: Bob Gutowski

KIM FRISBIE, *Freelance Writer*

Living in the Northeast, we are all used to snowy winters, especially after last year! And many of us use rock salt to accommodate all the accompanying icy conditions, from hazardous roadways to slippery steps and sidewalks. Salt is effective because it lowers the freezing/melting temperature of water. As we all know, ice forms when water reaches a temperature of 32° Fahrenheit; when salt is added to the water, that temperature drops. A 10% salt solution freezes at 20° F, and a 20% solution freezes at 2° F. When you sprinkle salt on a sidewalk or roadway, the salt dissolves into the liquid water in the ice and lowers its freezing point, so the ice melts.

This may be all well and good, but are you aware of how much salt we use annually? According to the EPA, 11 million tons of salt are thrown on our streets and highways every year. The real problem arises when the ice melts, since its primary destination is, by default, our ground and surface water. Salt also acts as a desiccant – stressing salt-intolerant vegetation, and as a corrosive – effecting both metal and concrete. As salt is extremely soluble, it is easily transported with stormwater along with melted snow and ice runoff into our public water supply, much of which comes from ground and surface water.

Since most of us aren't that fond of drinking salt water, it would behoove us to start looking for some alternate solutions to salting our roads and sidewalks. There are five chemicals commonly used as de-icers – and the alternatives that claim to be environmentally friendly are usually a

combination of these, blended to minimize environmental risk while optimizing performance and remaining cost friendly. Understanding their properties will help you make informed decisions on melting ice in your own backyard. Calcium chloride (CaCl_2) often outperforms other products at lower temperatures. Producing an exothermic reaction, it gives off heat as it melts and attracts moisture directly from its surroundings, enabling it to dissolve ice faster. Sodium chloride (NaCl), also known as rock salt, has been used as the de-icer of choice since the 1940s, but loses its effectiveness when temperatures drop below 25° F. This is the culprit seeping into our groundwater. Potassium chloride (KCl) is a naturally occurring material also used as a fertilizer and a salt substitute for food. Its high salt index gives it the potential to burn foliage and inhibit rooting, so its use is limited. Urea ($\text{NH}_2\text{CO}_2\text{NH}_2$) is synthesized from ammonia and carbon dioxide and is primarily used as a fertilizer. As a de-icer, it has a lower burn potential than potassium chloride. Calcium magnesium acetate is a salt-free melting agent made from dolomitic limestone and acetic acid. It does not harm plants or concrete and is effective in environmentally sensitive areas.

Any de-icer can be mixed with equal parts sand to minimize the adverse environmental effects and provide grit for added traction. Check the ingredients on your de-icer of choice to see how environmentally friendly it is, or better yet, let's hope for a milder winter this year!

Become a Visitor Education Volunteer!

Did you know that last year twice as many school children took tours of the Arboretum than the year before? Did you know that Springfield Mills is now open for tour groups? Surely you must know that the Morris Arboretum last year saw its highest attendance figures ever! These are just a few of the reasons we need you to become a Visitor Education Volunteer. Prospective volunteers and current volunteers interested in staffing the welcome stations and leading tours are encouraged to register for this class.

Training will begin on March 7, and will take place on Mondays, Wednesdays and Fridays in March from 1:30-3:30pm. Arboretum staff and experienced volunteers will provide the information and expertise needed to educate and engage visitors. Learn Arboretum history from our resident archivist and Director of Public Programs, Bob Gutowski. Study botany with a former biology professor, an Arboretum bee keeper and an arborist. Learn the answers to frequently



Photo: Paul W. Meyer

asked questions and familiarize yourself with the Arboretum's spectacular grounds. Discover our new tours: *Tree Adventure*, *Springfield Mills*, *Horticulture Center Sustainability*, or brush up on the old ones: *Wetlands*, *Food Factory*, *Outstanding Trees*. We'll go on a walk every day to learn and share skills. For more information please contact Liza Hawley at efhawley@upenn.edu or (215) 247-5777, ext. 128.

Photo: Paul W. Meyer



More Awards for OOAL

Last fall, Metcalfe Architecture & Design (MA&D) received the top Gold Medal award at the American Institute of Architects (AIA) Philadelphia 2010 Awards for Design Excellence for *Out on a Limb* – a Tree Adventure exhibit. The prestigious award is given to a single work of the most exemplary design quality. "We liked this project from the first moment we saw it," the AIA Philadelphia jury said in its comments. "The Tree Canopy Walk at the Morris Arboretum of the University of Pennsylvania is an exciting and delightful piece of architecture. We expect that it is much enjoyed by all visitors, children and adults." *Out on a Limb* has garnered numerous other awards since opening in July 2009, including the esteemed 2010 Excellence in Exhibition Design award from the American Association of Museums, and a 2010 Best of Philly Award for "Best Stroll through the Forest."

JAPANESE cherry blossom *c e l e b r a t i o n*

Celebrate this unique aspect of the Arboretum's rich Japanese culture and heritage, featuring a variety of wonderful activities for adults and children alike. Check the Arboretum's website, www.morrisarboretum.org, for information on specific events including tours, classes, etc.

Japanese Garden Elements Tour

Saturday, April 2 & 9, 2-3:30pm

This tour highlights Japanese influences on many areas at the Arboretum, featuring the Hill and Water Garden, the Rock Garden in the Fernery and the Japanese Overlook Garden.

Origami for Kids

Saturday, April 2, 11am-12pm

Discover how an ordinary piece of paper can be transformed into something extraordinary. Talk to paper puppets, catch a leaping frog, or model an emperor's crown. This visually exciting program weaves together storytelling, music and art

Two Saturdays,
April 2 and 9

with Origami Master and award winning author Barbra Pearl.

Hoh Daiko Drummers – Music & Dance in the Garden

Saturday, April 2, 1pm

A spring favorite at the Arboretum, enjoy an assortment of traditional and original music. Two 30-minute performances will also include ten minutes of audience participation. www.hohdaiko.org

Photo: Paul W. Meyer



Garden Railway 2011

What would summer be without The Morris Arboretum Garden Railway Display! This perennial favorite returns to the garden Memorial Day weekend. The Garden Railway is a miniature world set in the splendor of a summer garden, featuring a quarter mile of track that weaves in and out of colorful, outdoor, miniature landscape. The display features historic buildings created entirely of natural materials, each meticulously detailed with leaves, bark, vines and twigs. Logs and branches are used to create unique tunnels and overhead trestles.

The Garden Railway is open all summer from 10am to 4pm weekdays, and 10am to 5pm on weekends through Labor Day, September 5. On Thursday evenings in June, July and August, the Arboretum is open until 8:30pm and the trains run until 8pm. Special weekends are planned throughout the summer. Visit www.morrisarboretum.org for dates and details.



Photo: Paul W. Meyer

Archery Demonstration

Saturday, April 9,

Demonstrations at 11 and 11:30am Centuries ago in Japan, archery was regarded as the highest discipline of the Samurai warrior. Today, archery has evolved into Kyudo, the ultimate goal of which is to polish the mind – the same as in sitting meditation. Men and women of all ages practice Kyudo. Physical strength is not a factor. Join us for this demonstration and experience this ancient discipline where the qualities of heart and mind meet at the moment of the arrow's release.

Traditional Japanese Tea Demonstration

Saturday, April 9, 1-2pm

This year will feature picnic tea (chabako). Chabako is a unique form of the Japanese Tea Ceremony. It was designed to take place outdoors with four distinct presentations, one for each of the seasons. Weather permitting this demonstration will be held outside.



Photo: Jaime Perez



Education

Photo: Bob Gutowski

Spring Class Preview

The frost may hold fast, but the Morris Arboretum is already preparing for a fresh and sprightly spring! Get in touch with the budding season by enrolling in one of our classes. Visit our website for a complete list of classes. To register for a class or for a complete brochure please call (215) 247-5777, ext. 125.

Birding in the Wissahickon: An Illustrated Lecture

Wednesday, March 16, 7-8:30pm

Explore the many bird species that make their home in the Wissahickon Valley.

Front and Back Door Gardening

Tuesday, April 12, 7-8:30pm

Learn great design tips and discover signature plants and accessories that will make your entryway more inviting to you and your guests.

Iris and the Garden in Spring

Section A: Saturday, April 16, 1-2:30pm or

Section B: Saturday, May 14, 10-11:30am

Director of Public Programs Bob Gutowski will introduce you to more than 300 varieties of irises growing in his garden at the Arboretum's Bloomfield Farm.

Spring Wildflower Adventure

Wednesday, April 27, 9am-4pm

Discover the world of wildflowers and ferns with Morris Arboretum botanists Drs. Tim Block and Ann Rhoads.

Spring Lecture Series

Makeshift Metropolis: Ideas about Cities – The Lukens Endowed Lecture

Sunday, February 6, 2pm

Witold Rybczynski, Martin & Margy Meyerson

Professor of Urbanism, School of Design, University of Pennsylvania

Learn how current ideas about urban planning evolved from the movements that defined the twentieth century.

This lecture is part of an endowed lecture series that is presented annually in memory of beloved Arboretum volunteer, W. Byron Lukens.

Wild Urban Plants of the Northeast – The Klein Endowed Lecture

Sunday, March 20, 2pm

Peter Del Tredici, Senior Research Scientist at the Arnold Arboretum of Harvard University

Explore recognize, and appreciate the role plants play in affecting the quality of urban life.

This lecture is part of an endowed lecture series that is presented annually in memory of former Arboretum Director William M. Klein, Jr.

The Gardens of Herkenrode and the Arboretum Wespelaar: Reflections of a Belgian Plantsman – The Barnes Endowed Lecture

Tuesday, May 3, 7pm

Philippe de Spoelberch, Amateur Botanist and Plantsman

Discover a Belgian family estate and nearby arboretum that houses more than 15,000 accessioned plants including renowned collections of maple, rhododendron, magnolia and beech.

This lecture is part of an endowed lecture series that is presented annually with support from the Laura L. Barnes Horticultural Lecture Fund.

Intern Housing

This June, a new group of nine interns will begin a year of work at the Morris Arboretum. Many of them come from out of town and will be in need of housing that is close to the Arboretum with reasonable rent. If you are interested in providing housing beginning in late June, please contact Jan McFarlan, Education Coordinator at (215) 247-5777, ext. 156 or jlm@upenn.edu.



Are you looking for a special birthday or anniversary gift? How about the perfect Valentine's Day or Mother's Day gift? Each season brings fresh, new merchandise to The Shop at Morris Arboretum. With many unique items for gardeners, children and nature lovers of all ages, you are sure to find something unexpected and wonderful at The Shop!



The Shop

Photos: Zac Brooks

Family Fun

Fernery Fever

What's super cool and hot at the same time? Head down to the Fernery - a tropical even in the middle of winter - January and among the best times more in Jan.

Family Fun
Get outside this Winter!

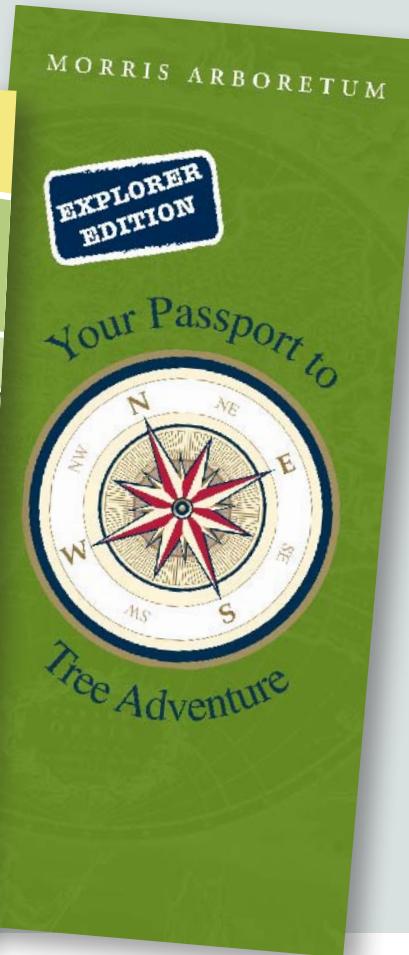
explore Where do animals live in the winter? Which ones go into hibernation? On your walk, see if you can track down animals like the Native American hunters did. Look for deer, raccoons, rabbits, squirrels or possum tracks.

identify Can you find the following winter blooms bursting through the cold ground?

- Galanthus** • Check the ground after a few warm days in February or even in January. Do you see any snowdrops or Galanthus, from the Greek gala ("snow") and anthos ("flower")?
- Eranthis** • By mid-February, look for more blooms under the deciduous trees. Do you see any bright yellow, buttercup flowers? (winter aconite or Eranthis) (Hint: head down to the dawn redwood grove.)
- Crocus tommasinianus** Can you find any crocuses, also in bloom in February? The deep lavender flowers of Crocus tommasinianus, are affectionately known as "tommies" and often spread in areas of lawn grass.
- Chionodoxa** • Appearing slightly later in winter are the star-shaped, blue and white flowers of Chionodoxa. The common name of this Turkish import is 'glory of the snow' and they can be seen blooming along the path through the Widener Woods. Are there any other colors of the Chionodoxa that you see?

investigate
Take a closer look at the ferns in the fernery.
• How many leaflets (the leaflet sizes) do you see?
• Ferns are part of plant families produced by the ferns you sponsored. Can you identify them?

treeadventure



Tree Adventure

Let the exploration begin! The new Tree Adventure Passport: Explorer Edition is coming to the Morris Arboretum this spring. The passport features all-new activities that will challenge you both at the Arboretum and at home. Learn bird calls, cool facts, and much more all while exploring Tree Adventure!

Make sure to check out our Family Fun Cards for more interactive ideas. These seasonal cards will engage and educate you as you travel the garden. Each card also has an area to stamp at the embossing stations.

The Tree Adventure Passport and the Family Fun Cards can be downloaded at www.morrisarboretum.org or are available at the Widener Visitor Center.

FEBRUARY

6 Winter Wellness Walks

Saturdays through March at 10:30am

Join us Saturday mornings for a brisk, refreshing walk through the Arboretum. Walkers meet at the Widener Visitor Center and Arboretum Guides lead them on a two-mile energizing walk through the Arboretum's paved paths. The walks last approximately 45 minutes and are appropriate for people of all fitness levels. Walkers are asked to wear comfortable shoes and clothing. Walks are free with regular Arboretum admission. In case of inclement weather, please call (215) 247-5777.

Makeshift Metropolis: Ideas about Cities – The Lukens Endowed Lecture

Sunday, February 6, 2pm

For more information see page 19.

Photo: Marie Mercaldo Ingegneri



19 Witchhazel Workshop

Saturday, February 19,

10am-1pm

Discover the beauty and fragrance that witchhazels can add to your garden during even the coldest months. Dedicated gardener and avid witchhazel grower Randy Kobetich, will discuss the history and origins of witchhazels, how to care for these versatile plants and exciting new hybrids. The class will feature an indoor lecture followed by an outdoor walk. Wear boots for soggy ground and dress to be outside for about an hour. Reservations are required and an additional fee applies. To register or for more information, please call (215) 247-5777, ext. 125.

27

"Witchhazel" Is Your Favorite?

Sunday, February 27, 1-3pm

Did you know that the Arboretum has fabulous color and fragrance even in the middle of winter? Grab your family and head over to the Arboretum for a day of fun and exploration. Follow the scavenger hunt map 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. Compare their beautiful flowers and take in their heady scent. After your hunt, stop back at the Visitor Center and make a fun craft. This event is free with regular admission and registration is not required.

MARCH

20

Wild Urban Plants of the Northeast – The Klein Endowed Lecture

Sunday, March 20, 2pm

For more information see page 19.

APRIL

2 Garden Discovery Series:

April 2, 11am-3pm

This is a program series which takes place on the first Saturday of the month in April, June, August and October. Visitors will discover secret places in the garden and engage in nature and craft activities with guided instruction. Stop by the Discover the Garden cart for more information.

2 Japanese Cherry Blossom Celebration

Two Saturdays, April 2 and 9
Celebrate this unique aspect of the Arboretum's rich Japanese culture and heritage. See p. 18 for more information.

Great Trees at Morris Arboretum

Each Sunday in April at 1pm
Take a guided tour of the Great Trees at the Morris Arboretum. Knowledgeable guides will point out champions and discuss their history and merits.

30 Arbor Day Adventure Treasure Hunt at the Morris Arboretum

Saturday, April 30, 1-3pm
Celebrate the importance of trees at Morris Arboretum's annual Arbor Day celebration. This interactive family event will begin high in the tree canopy on *Out on a Limb*, where visitors will receive a treasure hunt map. From *Out on a Limb*, they'll experience trees up-close and learn about the many reasons we need trees. The trees of the Arboretum will provide the basis for a tree adventure treasure hunt including four Tree Activity stations. Interactive



Photo: Paul W. Meyer

activities will focus on tree care, tree protection, where trees come from, and what trees give us. Visitors who complete the exploration will receive a seedling to take home.

3 MAY Growing the Gardens of Herkenrode and the Arboretum Wespelaar in Belgium – The Barnes Endowed Lecture

Tuesday, May 3, 7pm
For more information see page 19.

5 Plant Sale Members' Events

Thursday & Friday, May 5&6
See p. 6 for more information.

7 Plant Sale Public Sale Day

Saturday, May 7, 10am-4pm
See p. 6 for more information

28 Garden Railway Display Grand Opening

Saturday, May 28, 10am-4pm
The Garden Railway returns for the 2011 season. See p. 18 for more details.



Photo: Paul W. Meyer

ADMISSION

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

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

Unless noted, all events are held rain or shine. In the event of rain, performances will take place under the tent at the Widener Visitor Center.

Please note, the Arboretum will be closed Thanksgiving Day, Christmas Eve and Day and New Year's Day.



Morris Arboretum of the University of Pennsylvania

Official arboretum of the Commonwealth of Pennsylvania

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Photo: Bekka Schultz

Summer Adventure Camp Returns!

Drive into fun this summer at the Morris Arboretum! For one special week only, children ages 6-8 will enjoy a program full of discovery, learning and fun. Days will be filled with bug safaris, scavenger hunts, stream exploration, nature crafts and storytime *Out on a Limb*. The camp will take place Monday, June 20 - Friday, June 24 from 9am-3:30pm. Program details and registration information will be available in early spring. Please visit www.morrisarboretum.org for updates and more details.

