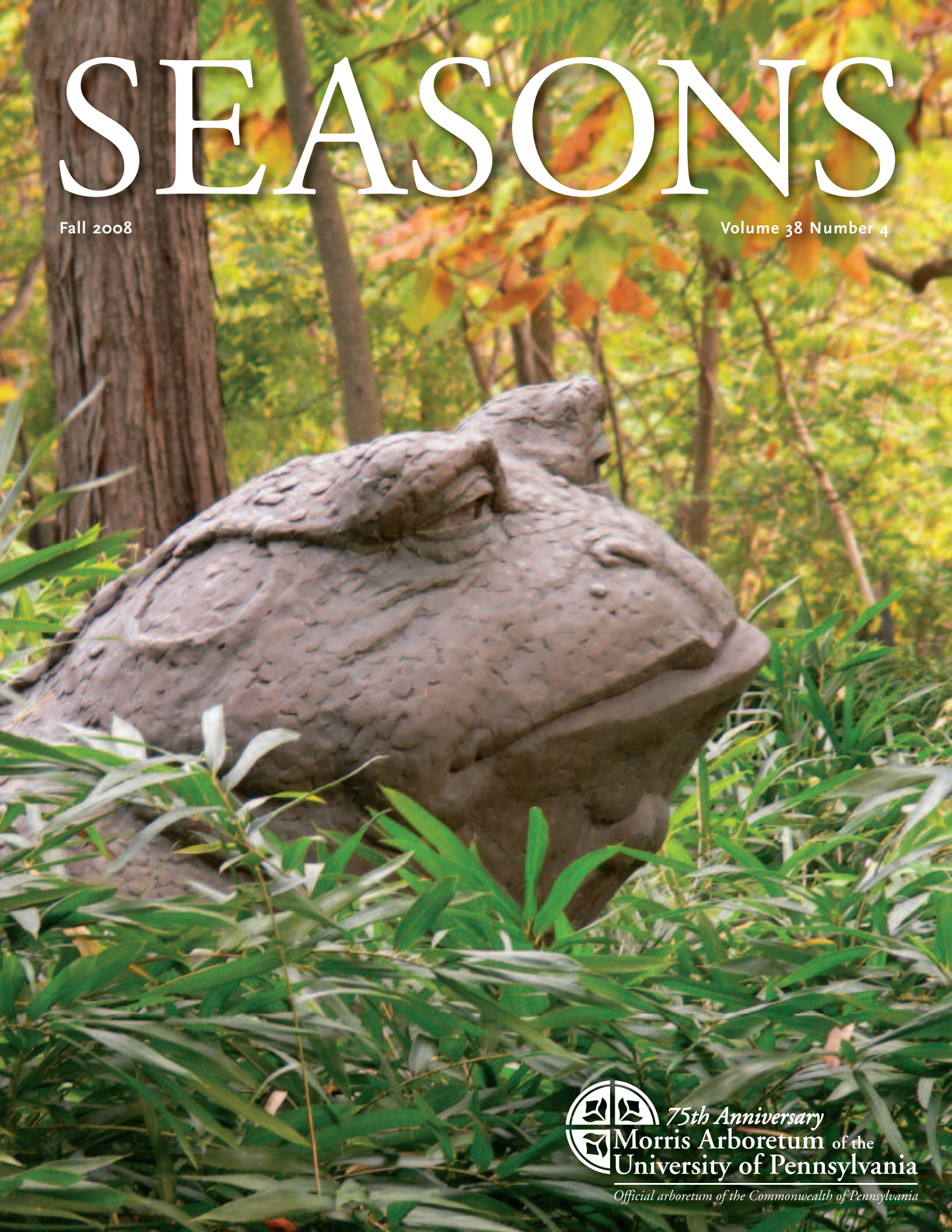
SEASONS

Fall 2008

Volume 38 Number 4



75th Anniversary
Morris Arboretum of the
University of Pennsylvania
Official arboretum of the Commonwealth of Pennsylvania

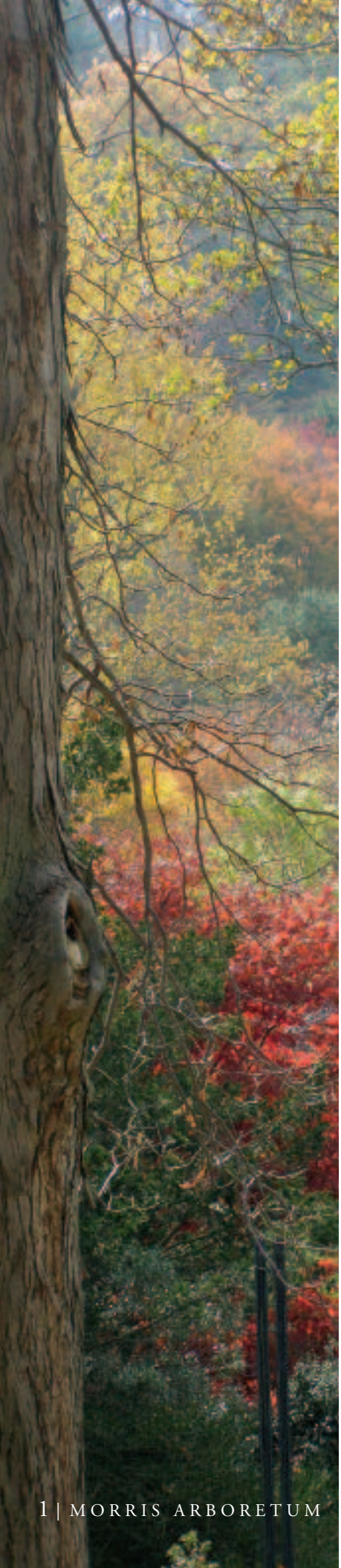


Photo: Jane Copeland

A Note from the Director

Photo: Nick Kelsh

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

Endowments Keep the Arboretum *Always Growing*

Visitors are frequently complimentary about the progress the Arboretum has made in recent years in the maintenance of its gardens and facilities. Much of that improvement is the direct result of increasing endowments that provide annual support for the Arboretum's gardens, facilities and programs. When I became Director in 1991, the Arboretum's endowments totaled about $6 million. As of June 30th, 2008 the endowments have grown to $35 million, a 478% increase over the past 17 years. A complex formula governs our spending from endowments, which helps even out the up and downs of the market. But overall, annually we spend less than 5% of the endowment's market value averaged over the previous three years.

The Morris Arboretum is supported by three separate endowment groups. The original endowment, The Lydia Morris Trust, which is managed by Wachovia Bank, was set up according to the will of Lydia Morris who died in 1932. As of June 30th it was valued at $6.75 million. The income from this trust provides both general support and special maintenance support.

The Compton Fund, established by Jeanne and William Wurster in 2004, is managed by the Haverford Trust Company. Income from this $2.49 million fund provides much needed unrestricted operating support. The late Bill Wurster liked to say that this income could be used to pay the electric bill and other essential but unglamorous expenses. Generating income for general operating support is always the greatest challenge for any cultural institution, and The Compton Fund now provides over $85,000 annually for this purpose.

Finally, the Arboretum has 41 funds managed as part of the University of Pennsylvania endowment. Some of these funds provide unrestricted income, while others support a particular garden, facility or program. Other named endowments support lectures, interns, or specific staff positions. Within the current capital campaign, examples of some newly created endowments include the Gayle E. Maloney Director of Horticulture, the Alice and Liddon Pennock Garden Intern, as well as historic preservation and plant exploration endowments. All together, more than $9.3 million has been contributed to endowments so far in the current *Always Growing* campaign, which will yield an additional $375,000 in annual support! (See page 10 in the Campaign insert)

When I look at the teaching and research botanical institutions worldwide, the truly great ones have either a steady and ample stream of income from governmental support or from endowments. It is not likely that the Morris Arboretum will get a major part of our budget from the government, so it is essential that we continue to build a culture that values and grows our endowments.

Endowments are a wonderful way to remember or honor a loved one while advancing the Arboretum's teaching and research mission. The Arboretum would be a shadow of its current self were it not for the income from our *Always Growing* endowments.

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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Cover photo – American Bullfrog by Judy Miller

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.

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Photo: Paul W. Meyer

Fall is for Tree Planting

JASON LUBAR, *Associate Director of Urban Forestry*
ROBERT WELLS, *Associate Director of Arboriculture Outreach*

Most people think of spring as being the preferred planting season. However, fall planting can be just as successful, but you must consider tree species, soil temperature, and where the tree is in its growth cycle.

Some trees have a low success rates when planted in the fall, and are therefore considered "fall transplanting hazards." These tend to be those with thick fleshy roots such as magnolia and tulip poplar; however, oaks and hickories can also be especially difficult, as they will quite often have a considerable taproot. Other fall transplanting hazards are listed to the right.

To insure fall planting success, the roots of a newly transplanted tree must grow into the surrounding soil before it gets too cold for root growth. Roots grow quickly when the soil is between 55 and 75 degrees. However, tree roots may continue to grow well into December if the soil temperature is above 40 degrees. Therefore, four to six weeks of moderately warm air and soil temperatures should allow the new tree roots to get established.

Trees should be fully dormant if they are planted in the fall. For most deciduous trees in our area, a tree is dormant when the leaves fall off in mid to late October. Transplanting a tree that has green leaves may drastically reduce your success rate. Needle-leafed evergreens can be transplanted earlier in the fall than deciduous trees, but they can lose considerable water through their leaves during the fall and winter months. This is why broad leafed evergreens like rhododendron and narrow leaved evergreens like yew are best planted in spring. Make sure to deeply water your tree when it is installed so that it has sufficient moisture before the soil freezes. It may also be beneficial to protect your fall planted evergreen from drying winter winds by using burlap windscreens or anti-desiccant sprays.

You should mulch your tree. Proper mulching may prevent frost heaving that may break or damage newly established roots, leading to water stress. Mulching is especially important in wet or fine textured soils.

If properly done, a fall planted tree may outperform those planted in late winter or in spring. Once you've seen the results, you too, will fall for fall planting.

Photo: Mindy Maslin

Fall Transplant Hazard List
(best planted in the spring)

Concolor Fir[1], Firs[2] (*Abies concolor, Abies*)
Birch[1,2] (*Betula*)
American Hornbeam, Ironwood[1,2] (*Carpinus caroliniana*)
Blue Atlas Cedar[1] (*Cedrus atlantica*)
Hickory[2] (*Carya*)
Hackberry[1] (*Celtis occidentalis*)
Redbud[1] (*Cercis canadensis*)
Dogwood[1,2] (*Cornus*)
Hawthorn[1] (*Crataegus*)
Leyland Cypress[1] (×*Cupressocyparis leylandii*)
Beech[1,2] (*Fagus*)
Foster Holly[1] (*Ilex* ×*attenuata*)
Nellie Stevens Holly[1] (*Ilex* ×*'Nellie R. Stevens'*)
American Holly[1,2] (*Ilex opaca*)
Eastern Red Cedar[1] (*Juniperus virginiana*)
Sweetgum[1,2] (*Liquidambar styraciflua*)
Tuliptree (Tulip poplar)[1,2] (*Liriodendron tulipifera*)
Crabapple (move as late as possible)[1] (*Malus*)
Tupelo, Black Gum, Sour Gum[1,2] (*Nyssa sylvatica*)
Ironwood, Hophornbeam[1] (*Ostrya virginiana*)
Austrian Pine[1] (*Pinus nigra*)
Oak[1,2] (*Quercus*)
Baldcypress[1] (*Taxodium distichum*)
English Yew[1] (*Taxus baccata*)
Silver Linden (other Linden ok)[1] (*Tilia tomentosa*)
Zelkova[1] (*Zelkova serrata*)
Yellowwood[2] (*Cladrastis kentukea*)
Ginkgo[2] (*Ginkgo biloba*)
Walnut, butternut[2] (*Juglans*)
Golden rain tree[2] (*Koelreuteria paniculata*)
Golden chain tree[2] (*Laburnum anagyroides*)
Larch[2] (*Larix*)
Magnolia[2] (*Magnolia*)
Sourwood[2] (*Oxydendron arboretum*)
Poplar[2] (*Populus*)
Sassafras[2] (*Sassafras albidum*)
Cypress[2] (*Cupressus*)
Hemlock[2] (*Tsuga*)

[1]from *http://www.wefindplants.com/pages/FallHazard.html*

[2]from *Principles and Practices of Planting Trees and Shrubs* by Gary W. Watson and E. B. Himelick, ISA – Champaigne, IL; 1997.

The American Chestnut Returns to Chestnut Hill

JASON LUBAR, *Associate Director of Urban Forestry*
ROBERT WELLS, *Associate Director of Arboriculture Outreach*

Almost none of us remember a time when the forests were full of the American chestnut, *Castenea dentata*, for which Chestnut Hill was named. But just over a century ago, this wonderful native tree dominated our landscape. In the Wissahickon Valley, it was thought to comprise about 40% of the tree canopy and in its range along the eastern seacoast, it comprised almost 1 in 4 trees. Sometimes known as the "king of the forest," the American chestnut embodied the frontier American spirit: it was adaptable, resilient and fiercely competitive. It grew fast, outgrowing most other trees, soaring to heights of more than 100 feet with trunks greater than ten feet in diameter. It was the third largest forest tree in the U.S. behind sequoia and redwoods. The straight grained wood was highly prized for its rot resistant qualities. The nuts of the American chestnut are high in protein and have a good flavor not found in other chestnuts. Next to corn, it was the most important food source for native Americans in our region. Our pioneer ancestors in the Appalachians depended on the chestnut as a cash crop as well as a food source for livestock. It was an unbeatable tree that is greatly missed in our woods and gardens all the more because the name Chestnut Hill reminds us of its former glory.

Then the chestnut blight arrived. The disease was first noticed in 1904 at Brooklyn Botanical Gardens by William Murrill, who first thought it to be canker. However, it turned out to be *Endothia parasitica*, an aggressive fungus disease that came in with plant stock from Asia. Within a generation, chestnut blight had devastated more than 4 billion trees. One can only wonder what John and Lydia Morris thought at the time. By 1940, this venerable tree species was virtually wiped out in our area. This disease does not kill the roots immediately so, like a phoenix, many of the relict stumps regenerate new sucker sprouts. As these juvenile plants reached sexual maturity, they eventually succumbed to the blight as well. A select few however did not, displaying a natural resistance to the disease.

In the 1970s, plant geneticist Charles Burnham thought of applying some genetic backcrossing techniques to the problem and began a chestnut restoration project. He thought it would take seven generations of crossing and backcrossing with the blight resistant Chinese chestnut to

achieve a tree that was 15/16 American chestnut, but had the blight resistance of its Chinese cousin. The problem was that each of these generations needed to reach maturity before they could reproduce, resulting in a fifty year endeavor. Furthermore, only one in 64 of each of the crosses will show enough blight resistance to be worth saving. Much of his work lives on through the efforts of the American Chestnut Foundation, which partners with many small nurseries to grow seedlings through to maturity under controlled conditions. Many of these plants are now reaching the 6th generation, so we hope that we will see this native beauty restored to its rightful place in our gardens and woodlands soon.

In the meantime, some very promising American chestnut crosses from the Kentucky state champion chestnut and several other resistant crosses have become available to us through an Arboretum friend, Tim Womack. Tim, founder of Trees Ashboro in Ashboro, North Carolina, has made it his life's work to restore the native chestnut to our American landscape. Most often seen on his bike, Tim travels throughout the country helping to plant and celebrate trees in general and chestnuts in particular. Known as the 21st Century Johnny Appleseed, Tim will join us on Oct. 16th at Chestnut Hill Academy as we plant two of his chestnuts to dedicate the Academy's Science Center and begin a small inroad toward restoring the chestnut to Chestnut Hill.

moonlight & roses

june 13, 2008

More than 650 guests enjoyed cocktails and hors d'oeuvres in the glorious Rose Garden on a perfect summer evening at the Morris Arboretum's *Moonlight & Roses* gala held on Friday, June 13. Five hundred guests stayed for dinner, some under the Moonlight tent, where they danced the night away to the sounds of *Jellyroll*, and others the Rose tent, where they enjoyed the quiet ambience of conversation and conviviality.

Net proceeds from the event were $60,000, $50,000 of which will support the Arboretum's operating budget, and $10,000 of which will support the Arboretum's new *Out on a Limb* – A Tree Adventure Exhibit. *Out on a Limb* – A Tree Adventure Exhibit is an exciting Arboretum-wide exhibit that will open in spring of 2009, and will educate the public about why we need trees, and why trees need us. The heart of the exhibit will be a 275-foot *Out on a Limb* canopy walk where visitors will stroll from the forest floor up into the tree canopy, more than four stories above ground level.

The honoree of *Moonlight & Roses* was Advisory Board Chair and longtime Morris Arboretum supporter, Ann Reed. Lisa Butler and Marggy Ells co-chaired the event.

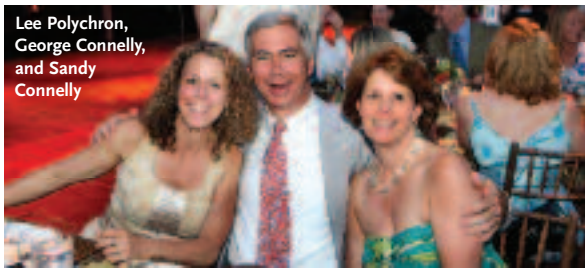
Photos: DR3 Productions

Lindsay Tuszynski, Mike Tuszynski, Steve Shreiner, and Meg Shreiner

Evelyn Devine, Katherine Timoney, Stephanie Ravett, and Kristy Kaller

Marggy Ells, Debbie Rodgers, Paul Meyer, Ann Reed, and Lisa Butler

Emily Price, Vanessa Learnard, and Chris Walsh

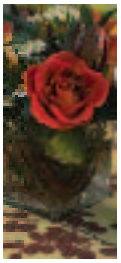


Lee Polychron, George Connelly, and Sandy Connelly

Cynthia Cheston, Patty Wurts, Ann Reed and Sally Fernley

Jane Evans, Wally Evans, Kim Frisbie, Morgan and Sarah Salmon

Jean Cooke, Peter Cooke, Lynn Strange, and Barbara Butler



Jenny Rose Carey, Sarah Lodge, Gus Carey, and Ted Lodge

David Hilton, Will Agate, Ann Hilton, Martha Agate, Charles Ingersoll and Kathy Norris

Robin Wache, Bertrand Wache, Paige Yager, and Judy McCabe Jarvis

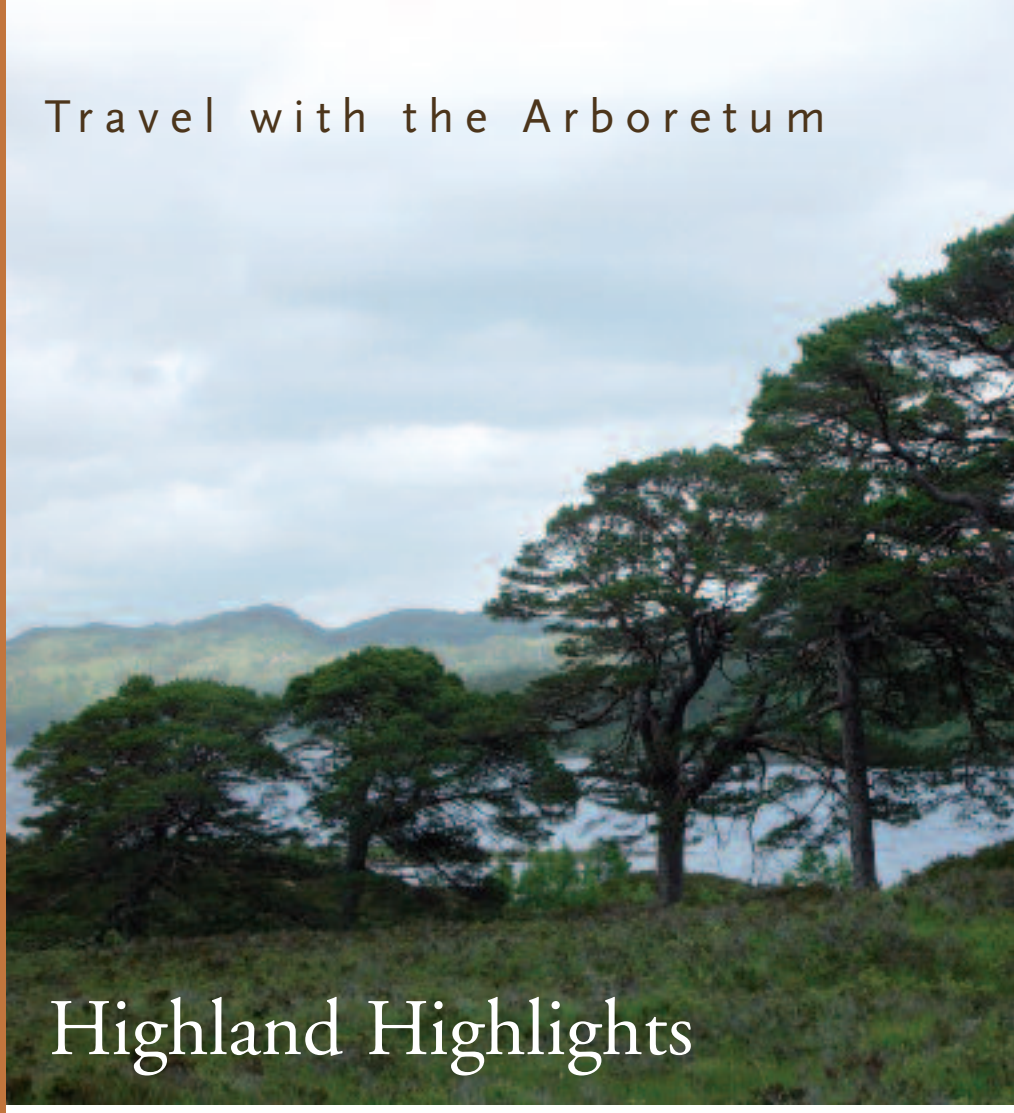
Intern Program

In June, the Intern Program at the Arboretum welcomed its 29th class of students. Each year, eight interns spend a year working in various Arboretum departments from Arboriculture and Education, to Horticulture and Urban Forestry. This year's interns hail from all over the U.S., with one student, Yan Liu, joining us from China. They all seem to have one thing in common – they love plants!

The intern program provides interns with hands-on experience and an inside look at the day-to-day operations of a public garden. During their tenure, each intern is also required to select and complete a project which earns them academic credit at the University of Pennsylvania. These projects have broad-scale impact at the Arboretum and have ranged from investigating rare plants, to creating and implementing innovative programmatic elements at the Arboretum, and even redesigning an existing garden area or creating new garden features.

Photo: Paul W. Meyer

Travel with the Arboretum



Highland Highlights

A Visit to Scotland with the Morris Arboretum July 4-13, 2009

Join Morris Arboretum Director Paul Meyer and garden historian Elizabeth McLean as they lead a magical trip through Scotland's lush countryside. "Highland Highlights" will include a stay at the House of Aigas, a Victorian sporting lodge with an extensive arboretum, formal gardens and native woodland garden; a tour of Cawdor Castle in the beautiful Nairnshire countryside; a journey through the stunning scenery of the Isle of Skye and lunch at Kinloch Lodge with Lord and Lady MacDonald; as well as a visit to Edinburgh and a private tour of Shepard House in Inveresk, the home of Sir Charles and Lady Fraser. This spectacular journey will also include a number of visits to private gardens not normally open to the public.

For more information, contact Tari Carlson at the Morris Arboretum at (215) 247-5777 ext 161.

Photos: Paul W. Meyer

Always Growing

CAMPAIGN NEWS FOR FRIENDS OF THE MORRIS ARBORETUM FALL 2008

Always Growing and Breaking Ground

On October 3, 2008 the Arboretum will officially break ground on Phase One of the new Horticulture Center Complex. We cannot wait to stand next to Paul Meyer, President Amy Gutmann, Honorary Campaign Chair, Dodo Hamilton, and Advisory Board Chair, Ann Reed with shovels in hand and mark this momentous occasion. As Paul Meyer often reminds us, he has been waiting more than 30 years for this day to arrive. We know that this will be no ordinary ceremony, for in that very moment, we will be *Making History* for Penn, for the Arboretum and for the Greater Philadelphia community. The new Horticulture Center at Bloomfield Farm will be the first newly constructed green building on Penn's campus and the first to be certified through the US Green Building Council's LEED® rating system. Planned to achieve LEED® Platinum certification, the greenest level available, the Horticulture Center represents the highest commitment to sustainability.

It is hard to imagine how the Arboretum has grown so significantly over the years without the proper infrastructure to support the remarkable horticulture, arboriculture and maintenance staff that has worked tirelessly to transform the garden to its world class stature. When completed in September of 2009, Phase One of the Horticulture Center Complex, housing staff offices, a mechanic's shop, and storage and garage facilities, will represent the first new building at the Arboretum since the early 1980s.

To add to the excitement, this fall the Arboretum also breaks ground on its new permanent exhibit, *Out on a Limb* – A Tree Adventure Exhibit. We cannot wait to see this thrilling new structure take shape adjacent to the Widener Visitor Center. With plans to open in July of 2009, we know that thousands of visitors of all physical abilities will experience the excitement of being 40 feet off the ground in the very top of the forest's canopy.

While we remain excited about these new capital projects, we cannot lose sight of the other critical campaign goal – to increase the Arboretum's endowment in order to ensure continued strength and vitality. In this issue of *Campaign News,* we highlight the Arboretum's plans to raise $15.4 million for endowment in support of the people, program and place that together make the Morris Arboretum a treasure for Philadelphia, the Commonwealth and beyond.

We are grateful to all the individuals, corporations and foundations that have generously supported the campaign thus far. We are thrilled to have raised an additional $12 million during the last fiscal year, and to have reached the $38 million milestone toward the $60 million campaign goal. However, there is still much work ahead; we must complete the fundraising for *Out on a Limb*, make significant progress toward our endowment goals, and begin fundraising for Phase Two of the Horticulture Center Complex, which includes a new education center. We are confident that with your continued help and support we will reach our goals.

With warmest appreciation,

Susan M. Oberwager
CAMPAIGN CO-CHAIR

John A. H. Shober
CAMPAIGN CO-CHAIR

PART OF PENN'S MAKING HISTORY CAMPAIGN

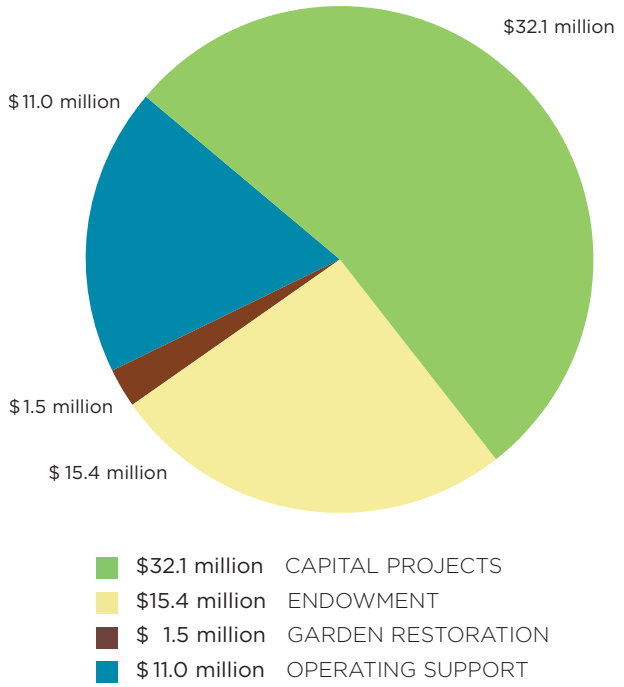
Campaign Overview

Campaign Goals

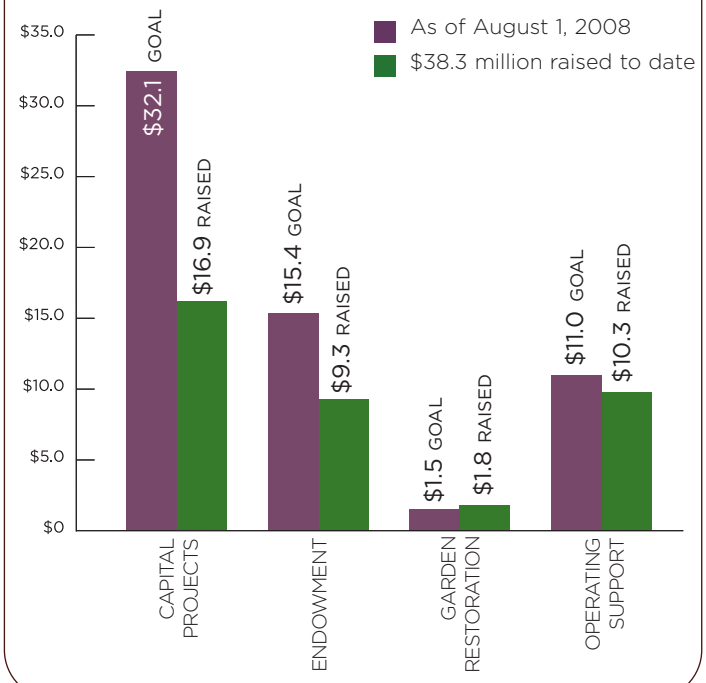
CAPITAL PROJECTS	**$32.1***
Horticulture Center Complex	$29.0
Interpretive Master Plan and *Out on a Limb* Tree Canopy Exhibit	$ 3.1
ENDOWMENT	**$15.4**
PLACE	$ 6.75
Horticulture Center Complex	$ 5.0
Garden Endowments	$ 1.0
Out on a Limb Exhibit	$ 0.5
Historic Preservation	$ 0.25
PEOPLE	$ 3.45
Director of Horticulture	$ 1.5
Internship Endowment	$ 1.25
Staff Compensation	$ 0.5
Section Leader	$ 0.2
PROGRAM	$ 1.2
Program Endowment	$ 0.75
Children's Education	$ 0.45
UNRESTRICTED	$ 4.0
GARDEN RESTORATION	**$ 1.5**
OPERATING SUPPORT	**$11.0**
RESTRICTED	$ 2.5
UNRESTRICTED	$ 8.5
TOTAL	**$60**

** figures listed in millions of dollars*

Total Campaign Goal: $60 million



Progress toward Campaign Goal



For more information on the exciting plans we have for the Morris Arboretum, and how you can help, please contact Melissa von Stade, Director of Development, at (215) 247-5777 ext. 102.

Securing the Arboretum's Future

The need to grow the Arboretum's endowments has never been more critical to ensuring future organizational stability. Strong endowments provide flexibility for implementing new programming, for audience development, for expanding research and publications, for attracting and retaining a talented staff, and for caring for a world-class historic landscape. Fiscal responsibility, balanced operating budgets and a well-managed, modest endowment totaling $35 million characterize the Morris Arboretum's current financial health. However, fiscal stability has been challenged in recent years due to a steep rise in employee benefit expenses and a more volatile stock market. Therefore, the Arboretum has set a goal to increase its endowments by $15.4 million through gifts designated for the following purposes:

Endowment for Place
$6.75 million goal

First and foremost the Morris Arboretum is a historic garden with a world-class horticulture display and a collection of historic garden features, fountains and buildings. These iconic and beloved structures require ongoing maintenance and scheduled renewal. An additional $6.75 million will ensure funding for the annually scheduled list of improvements required for general upkeep and for periodic major capital improvements of both existing and new facilities and exhibits.

Endowment for People
$3.45 million goal

The need to increase staff compensation and professional growth opportunities at the Morris Arboretum emerged as one of the primary institutional objectives to be addressed over the next three years. The quality of the Morris Arboretum's programs and its spectacular landscapes clearly reflect the high standards and level of commitment that have been set by the Arboretum's staff. In recent years, the Arboretum has faced its most challenging fiscal years as endowment returns decreased and employee benefit expenses skyrocketed. Average salary increases over the past three years have been 2.5 percent, which is well below the average annual inflation rate of 3.54 percent for the same date range (www.inflationdata.com). An additional $3.45 million restricted to endowment for staff will generate an additional $170,000 annually for salary increases and for attracting and retaining first-rate staff.

Endowment for Programs
$1.2 million goal

Central to the Arboretum's mission is a vibrant education, outreach and research program. Each year the Arboretum offers more than 150 on-site classes and welcomes almost 20,000 children. Our botany and arboriculture consulting teams provide advice and support to more than 200 entities throughout the year. With the opportunity for program expansion in the new Horticulture Center Complex, the Arboretum is eager to ensure that funding for the growth of these mission related programs is secure.

Unrestricted Endowment
$4 million goal

Unrestricted endowments provide flexibility and opportunities for growth. An additional $4 million will generate $200,000 annually. These funds would be used to address the Arboretum's institutional goals of enhancing the visitor experience through greater interpretation, technological support and increased programmatic offerings. They will also be used to enhance marketing initiatives in order to reach a broader and more diverse audience.

Total Campaign Goal for Endowment
$15.4 million goal

As of June 30, 2008, the campaign has successfully secured $9.3 million in new endowment gifts towards the $15.4 million endowment goal. Included in these new gifts is $3 million for unrestricted endowment, $1.5 million for a new endowed Director of Horticulture and Curator, and $420,000 designated for staff compensation. These extraordinary gifts have already begun to strengthen the Arboretum's operating budget and have provided funding for program expansion and important renovations of the historic landscape. Raising the additional $6.1 million needed to reach the campaign goal for endowment remains one of the Arboretum's highest priorities; gifts designated for endowment ensure that the Morris Arboretum is Always Growing!

Elizabeth F. and Lewis S. Somers, 3rd Make Leadership Gift to *Out on a Limb* – A Tree Adventure Exhibit

In April, longtime Morris Arboretum friends Elizabeth F. (Betty) and Lewis S. (Lew) Somers, 3rd of Lafayette Hill made a leadership gift to *Out on a Limb* – A Tree Adventure Exhibit. This extraordinary contribution of $400,000 is designated to to fund the exhibit's construction and to support the exhibit's endowment which will be used to maintain this new, permanent garden feature. With their support, the total funds raised toward the $3.6 million goal now exceed $2.2 million. The Arboretum community is most grateful for their generous commitment to this cornerstone project of *Always Growing*: The Campaign for Morris Arboretum.

In total, the Somers have given more than $500,000 toward *Always Growing*. Early in the campaign, Betty and Lew made a $100,000 gift as Founding Members of The Compton Fund, an endowment established in 2003 to provide annual operating support for the Morris Arboretum.

According to Lew, "Fundraising is her (Betty's) thing." Therefore, it is no wonder that Betty has served as Chair of the Arboretum's Annual Giving Committee since 2001. She has been a member of the Advisory Board of Managers since 2002, and is also a member of the Development Committee. Betty began her service at the Morris Arboretum as a volunteer guide in the 1970s, shortly after she and Lew purchased their family home in Wyndmoor. The *Moonlight & Roses* committee quickly recognized her talents and she was recruited to serve on the gala committee, a role she fulfilled for almost 20 years. In June 2005, she was honored for her incredible volunteerism and generous support as the Honorary Chair of *Moonlight & Roses*.

Both Betty and Lew have held long term philanthropic leadership positions in Philadelphia. Lew dedicated many years as a board member at the Franklin Institute and he is still an active member on the Advisory Board of the Monell Chemical Senses Center, where he was recently honored with the "Friend of Monell" award. They together have given countless hours to Lew's alma mater, the William Penn Charter School. For more than three decades, Lew served on the Board of Overseers of Penn Charter and Betty was an active committee member. Lew is an emeritus member of the International House Board of Directors where Betty has chaired their annual gala and silent auction committees. Betty is also past president and a current member of the Random Garden Club, and has served on committees for The Philadelphia Museum of Art Craft Show and the Philadelphia Antique Show of the University of Pennsylvania Health System. Paul Meyer says of Betty and Lew, "Both bring an unparalleled level of dedication to the organizations where they are volunteers. The Morris Arboretum has benefitted greatly from their ongoing philanthropy and their steadfast service."

Construction for *Out on a Limb* will begin this fall, and the exhibit's grand opening is expected in summer 2009. The ADA-accessible tree canopy walk will bring the Somers and all Arboretum visitors more than 40 feet above the forest floor into the canopies of existing trees along the Wissahickon Creek. It will be thrilling to see Betty and Lew with their three grown children and two grandchildren experiencing firsthand this exhibit which is designed to engage multi-generational families.

Thank you, Betty and Lew, for the tremendous impact you have made at the Morris Arboretum with your gifts, your leadership and your friendship!

Education

Photo: Paul W. Meyer

LESLIE WEISSER, *Assistant Director of Development*

The Morris Arboretum is delighted to announce its approval as an Educational Improvement Organization (EIO) through the Commonwealth of Pennsylvania's Educational Improvement Tax Credit Program (EITC). This state-run program provides significant financial benefits to eligible businesses that make charitable contributions to approved EITC programs, awarding up to 90% in corporate tax credits. Educational Improvement Organizations, such as the Morris Arboretum, are qualified to receive designated corporate gifts because of these organizations' enhancement of public school education.

The Arboretum's high-quality Children's Education Program — both its Growing Minds series and the educational components being planned for the *Out on a Limb* – A Tree Adventure Exhibit — advance the state's goal of providing "innovative educational programming that goes beyond the normal offerings of a K-12 public school program and curriculum, thus adding advanced academic value to public school education."

This "seal of approval" by the Commonwealth's EITC Program offers a significant incentive for corporate investment in the Morris Arboretum's Children's Education Program. Through the EITC Program, the Commonwealth makes a significant commitment to public school education and encourages the corporate sector to do so as well through the provision of tax incentives. State tax credits for such corporations can equal as much as 75% of its charitable contribution up to a maximum of $200,000 per taxable year – and the tax credit can be increased to 90% of the contribution, if the company agrees to provide the same amount for two consecutive tax years.

As the Morris Arboretum celebrates its 75th anniversary as both a premier public garden and a center for education, this state approval for our Children's Education Program is truly cause for celebration! You can learn more about the Commonwealth's EITC Program by going to www.newpa.com and clicking on EITC Business Guidelines. You can also request a printed copy of the guidelines from Leslie Weisser in the Arboretum's Development Office at (215) 247-5777, ext. 147.

Morris Arboretum Honored by EPA

Photo: Paul W. Meyer

In May 2008, the Morris Arboretum was honored by the United States Environmental Protection Agency's Mid-Atlantic Region for its "work in preserving and connecting the region's natural areas, farmlands, and neighborhood green spaces which contribute to [the nation's] quality of life." The Arboretum is widely recognized for its commitment to environmental issues, as well as to research, education, and outreach. In presenting this recognition, the EPA highlighted the "Morris Arboretum's vision and continued stewardship of the wetland restoration project that recreated wetlands that were drained for agricultural uses 100 years ago."

Beginning in 2000, the Morris Arboretum launched its wetland reclamation project, located within the floodplain of the Wissahickon Creek, with seed funding from the Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The McLean Contributionship followed this initial government support with a major grant for the establishment of the Natural Areas Management Endowment. Since that time, additional donors have stepped forward with major gifts that have enabled the Arboretum to continue the restoration and preservation of this magnificent section of the garden. We are indebted to Ronald and Roberta Berg, the Moses Feldman Family Foundation, and the Estate of Anne C. Highland for their vision in support of this undertaking. The acknowledgement of the Arboretum's extensive work in this area by the Environmental Protection Agency is a testament to the extraordinary generosity of our donors and to the significance of this kind of philanthropic support.

The nurturing of the wetlands and our natural areas is integral to our mission, and the cultivation of this area will impact thousands of our visitors both now and well into the future.

Membership

Morris Arboretum welcomes Community Libraries as Newest Non-Profit Members

The newest addition to the Morris Arboretum's Non-Profit Membership Program is the **Hardy Fern Garden Membership** level. This membership level has been exclusively designed for libraries, hospitals and healthcare organizations. A library patron can check out the Hardy Fern Garden membership card at the library just like a book, and use it to visit the Arboretum as a member, free of charge, along with one other adult and up to four children. Cardholders receive all general benefits of membership while visiting. Similarly, a patient or hospital visitor can check out the membership card at the information desk to visit the Arboretum for an afternoon.

In addition to this new level, we continue to offer three other Non-Profit Membership levels ranging in price from $150–$500. The Non-Profit Membership Program offers excellent opportunities for its cardholders, while promoting the Arboretum's mission of conservation and education through teaching and research programs and visitation to a public garden. Membership support from educational organizations helps to further develop our outreach efforts and encourages education through experience.

We encourage you to let your local libraries know about this new offering, as it is a great way for the community to take advantage of the Arboretum's spectacular events and offerings. For additional literature about the Arboretum's Non-Profit Membership Program, please visit our website at www.morrisarboretum.org, or call Renée DePietro at (215) 247-5777, ext. 105.

Herb Garden Member ($250)
American Rhododendron Society
Garden Club of Philadelphia

Meadow Garden Member ($150)
American Society of Landscape Architects
Mount Saint Joseph Academy
Norristown Garden Club
Sisters of St. Joseph-Assumption Hall

Hardy Fern Garden Member ($85)
Friends of the Huntingdon Valley Library
Friends of the Library, Yardley - Makefield Branch
Upper Moreland Free Public Library
Warrington Garden Club

The Lydia Morris Legacy Society

Photo: Paul W. Meyer

The Walter W. Root Memorial Arborist Endowment - A story of faithfulness to a memory and to an institution.

VICTORIA SICKS, *Associate Director of Development for Major Gifts*

In 1984, young Walter Root was killed in an arborist accident. A graduate of a two-year program in environmental education at the University of Vermont, Walter had participated in several arborist training programs at the Morris Arboretum and had established his own business, Chestnut Hill Tree Service, Inc. After his death, his parents, Joan and Stan Root (pictured above), immediately established a memorial fund at the Arboretum to support arborist training programs. Walter's family and more than 200 of his friends contributed to that fund, and by late 1985, Stan and Joan Root had created the Walter W. Root Memorial Arborist Endowment. As they wrote in 1985, "We feel that this internship best expresses the joint commitment that we and the Arboretum's staff have to advance the professionalization of the arboricultural industry. Most importantly, we think this endowment is an appropriate memorial for Walter, whose life was devoted to this vocation."

For the past 24 years, the Roots and many of their friends have contributed to this Endowment; its current value is now $550,000. Income from the fund supports the practical training of a young arborist annually through our Internship Program. Young people have come from across the United States and Europe to study at the Arboretum under the direction of the Chief Arborist and the Director of Horticulture.

Joan and Stan Root have made specific arrangements in their estate planning to provide an extra measure of support for the Root Endowment. The legacy that they established for their son will one day become their legacy as well. Strong endowments are the greatest security that the Arboretum has against the future. The Roots' decision to add to the Walter W. Root Memorial Arborist Endowment represents their faith in the future of this institution and the entire Arboretum community is most grateful.

To learn more about including the Morris Arboretum in your estate plans, please contact Victoria Sicks at (215) 247-5777, ext. 152 or via e-mail at vsicks@upenn.edu.

Fall is for Learning

Fall is a great time to take advantage of the Morris Arboretum's vast array of class offerings. Horticulture, floral design, art and holiday decorations are only some of the many areas in which the Arboretum offers courses. There is something for every interest – even the kids! For a complete list of classes with descriptions and prices, visit www.morrisarboretum.org or call (215) 247-5777 ext. 125 for a brochure. Remember to register early as class space is limited.

Young Naturalists' Program

Leave the TV and video games behind and give your child a chance to explore nature in a beautiful place. As they walk among the Arboretum's great old specimens, children will learn about the importance of trees and how they grow. A variety of hands-on activities will allow them to explore their senses and recognize the many things that trees provide. Be prepared to see, smell, feel, and even taste some things we get from the often overlooked plants that surround us.

Saturday, September 27, 1-2:30pm

Constructing the Landscape

This course offers an overview of landscape basics including choosing and buying healthy plants appropriate for your setting, guidelines for planning and installing hardscape elements like walls and walkways in your garden, and planting and maintaining trees, shrubs and groundcovers. Arboretum staff and local instructors with years of experience teach this six-session course.

Five Mondays: October 6, 13, 20, 27 & November 3, 7-9pm and Saturday, October 25, 10am-12 noon

Trip to Hillwood Gardens and Museum

Located in Washington D.C., Hillwood features the most comprehensive collection of 18th and 19th century Russian imperial art outside of Russia as well as one of the world's most important collections of 18th century decorative arts. These are beautifully displayed in a grand setting as they were used by Hillwood's founder, Marjorie Merriweather Post. She was the heiress of the Post cereal empire and one of America's first businesswomen, as well as an art collector, philanthropist, and socialite. Encircled by woodlands, the 25-acre estate's gardens were created by two prominent landscape architects commissioned by Ms. Post. The gardens include a French parterre, a rose garden, a Japanese-style garden, and a cutting garden. We will have guided tours of both the gardens and the mansion. Lunch will be at the Hillwood café and is included in the cost of the trip. Meet at the Morris Arboretum's Visitor Center to travel by bus.

Tuesday, October 14, 7am-7pm

Lectures & Symposia

Symposium – "Oaks: Important Characteristics and Health Threats"

Join us for this day-long seminar as we celebrate all things oak. Throughout history, no tree has been more useful to human beings than the oak. In most of the temperate world, the oak is the primary forest tree. This amazing species is the cornerstone of many of the world's most important gardens and has co-evolved with human civilization. Our keynote speaker will be William Bryant Logan, author of *Oak: The Frame of Civilization*. He will lead us on an amazing journey as we rediscover the virtues of this incredibly adaptable species commonly found here in our own backyards. Certified arborist Ken LeRoy, will help us explore some of the insect and disease challenges that oaks are facing today, particularly bacterial leaf scorch. He will review our current understanding of this disease and how it might best be managed. There will also be a guided tour to visit the Morris Arboretum's remarkable collection of oaks.

Wednesday, October 15, 9am- 4pm
Fee: $150 (including lunch)

Lecture: "From Pasture to Pastoral Jewel: The Unexpected Story of Pastorius Park"

Join speaker Rob Fleming as he details how Northwest Philadelphia's Pastorius Park, though small, is an example of the best of American public park design in the tradition of Frederick Law Olmsted. After a fifty year decline, this neglected jewel was rescued in the 1980s and thrives today as a popular destination for both people and wildlife. This endowed lecture is presented annually in memory of former Arboretum Director, William M. Klein, Jr.

Sunday, November 16, 2pm

Lecture: "The Morris Arboretum Today: The Director's Perspective"

In recent years, a series of renovation and restoration projects have literally transformed the Morris Arboretum. This year, two major projects, *Out on a Limb* – A Tree Adventure Exhibit and the new Horticulture Center at Bloomfield Farm will get underway and will represent a giant leap for the institution. These projects will nearly complete a 30 year cycle of planning and step by step implementation. Paul Meyer, the F. Otto Haas Director, will give a behind the scenes perspective on these projects which represent more than $15 million in capital improvements. He will present the vision for the future of the Arboretum, linking current ambitious plans with the will of founders John and Lydia Morris, with the urgent environmental issues of today. This endowed lecture is presented annually in memory of beloved Arboretum volunteer, W. Byron Lukens.

Sunday, January 11, 2pm.

There is no cost to members for lectures. For nonmembers, lectures are free with regular garden admission. A reception with refreshments follows each lecture. Reservations are required and space is limited. Please call (215) 247-5777 ext. 169 to leave your name, or to sign up online go to www.morrisarboretum.org and click on "Lectures" in the Events and Classes category.

giftshop

HOLIDAY DOUBLE DISCOUNT DAYS!

From November 28-December 31, Arboretum members can shop at the Gift Shop and receive a one-time 20% discount (10% member discount plus an additional 10%) on their entire purchase.* You must present your membership card in order to receive the discount.

Something for Everyone on Your List!

Arboretum Gift Card *(New this year!)*
Gifts for Gardeners
Beautiful Bags
Nature-inspired Jewelry
Holiday Home Accessories
Educational Items for Kids

**not applicable to books or gift certificates/cards*

Photo: Susan Crane

Use Your Members' Discount!

PERFECT FOR HOLIDAY GIFT GIVING

THE MORRIS ARBORETUM COMMEMORATIVE

75th Anniversary Scarf

Specially designed by Kevin O'Brien Studios

This beautiful Devore silk satin scarf makes an elegant and distinctive gift. It is available in two colors – sage/terracotta and aquamarine/taupe. Available for purchase at the Arboretum Gift Shop or visit www.morrisarboretum.org

Price: $68.00

Photo: Paul W. Meyer

fall*events*

OCTOBER

7 Fall Festival

Sunday, October 5 – 11am-3pm

Don't miss this afternoon of autumn fun that has become an annual tradition for many families. Make your own scarecrow, paint a pumpkin, and sample different varieties of apples from Weaver's Way Co-Op. Join Mike Dupuy, master falconer, who will be on hand from noon – 2pm to show us his wonderful birds of prey and demonstrate the 4,000 year old art and sport of falconry. Make a bird-related craft with the Wild Bird Center, and kick back to the foot-stomping sounds of *Wissahickon Chicken Shack*. Some activities have an additional fee.

10 Beer: The Tasting Continues...

Friday, October 10, 7-9pm.

Back by popular demand, this fall, the Arboretum will host its 2nd beer tasting event. Beer is the world's oldest and most popular alcoholic beverage, and a great complement to a wide variety of foods. Today's microbreweries have transformed the beer market. These craft brewers are utilizing age-old techniques to develop their version of European classics and are experimenting with creative new techniques that have "pushed the envelope" in beer brewing. This has resulted in beers that are far different from the ones you remember your father drinking. Learn about the art and craft of beer making in this guided tasting conducted by well-known microbrew masters. Brewers will share information and give you the opportunity to sample a variety of interesting and tasty beers.

Photo: Susan Crane

Foods that pair well with beer will be served. Bring your friends to this fun, social event. Members: $60, Non-members: $72. Reservations are required and space is limited. Please call (215) 247-5777 ext. 125 to register or for more information.

ADMISSION

Adults (19 - 64yrs.)	$10
Seniors (65+yrs.)	$8
Children (3 -18yrs.)	$5
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.

For more information on events, visit http://www.business-services.upenn.edu/arboretum/eventsclasses home.html

fall*events*

NOVEMBER

Winter Wellness Walks

Saturdays, November 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 on 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.

29 Holiday Garden Railway Grand Opening Celebration

Saturday, November 29, 1-3pm

This special day will include the sounds of costumed carolers strolling through the railway garden, and kids and adults will also have the opportunity to make a fun seasonal ornament or decoration from natural materials to take home. This fun, family event is a great way to kick off the holiday season and is free with regular garden admission.

DECEMBER

5 Holiday Garden Railway

A Special Evening Event for Beech Members and Higher

Friday, December 5, 4-7pm

If you are a Beech level member ($95) or higher, you are invited to join us for a magical evening at the Morris Arboretum. Follow the glow of sparkling lights down the garden path to the enchanting garden railway while you sip hot cocoa and enjoy some cookies. Entertainment will be provided by Dar Hosta, award-winning children's author and illustrator, with a book signing of *If I Were a Tree*. Reservations are required. Register online today at www.morrisarboretum.org.

Photo: Arnold Winkler

andrea**baldeck**

Upper Gallery Exhibit: and Opening Reception: "The Texture of Trees"

Open Daily November 1, 2008-September 2009, 10am-4pm

Featuring the work of artist Andrea Baldeck. Close up, at arm's length, and in a panoramic sweep of landscape, trees provide vital richness and texture in our lives. Bark and branch, bud and blossom, foliage and fruit speak to the eye of growth and change, renewal and decline. Scaffolds of our ecosystem, sentinels of the botanical world, trees shape the space around us, temper the air we breathe, attune us to the seasons, and chronicle history in their tissue. Mute but eloquent, they speak through the photographic images of this exhibit in all their arboreal accents. The exhibit is free with regular admission. An exhibit opening event is scheduled for Friday, November 21, 2008 from 6:00-8:00pm. Reservations are required for the reception. Please call (215) 247-5777 ext. 0.

University of Pennsylvania Museum of Archaeology and Anthropology Exhibit

October 4, 2008-March 8, 2009

Free Admission to the Museum for Morris Arboretum members - October 4th only.

Additional work by Andrea Baldeck will be featured in an exhibit at the museum entitled *Himalaya: Land of the Snow Lion*, offering a compelling look at the ancient, mostly Buddhist world through portraiture, landscapes and still life.

75th Anniversary
Morris Arboretum of the University of Pennsylvania
Official arboretum of the Commonwealth of Pennsylvania
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Philadelphia, PA 19118

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Photo: Renee Ezokas DePietro

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membership

This Holiday Season – Give the Gift of Morris Arboretum Membership

The gift that keeps giving all year long… and fits everyone on your holiday list!

Size: 92 acres of glorious gardens
Color: Spectacular, all year long
Return Policy: As often as you would like!

And don't forget about our Far-Away Friends membership level! It's the perfect gift for friends and relatives from out of town. It includes all of the benefits of membership at the Morris Arboretum, plus free guest passes AND reciprocal admission privileges to over 200 gardens nationwide! For more information on gift memberships visit us at www.morrisarboretum.org.

Photo: Erin Hyland