Landscape, Art, and Visual Language
An Elective Course at the Landscape Institute of the Arnold Arboretum

Landscape, Art, and Visual Language, a course being offered this fall at the Landscape Institute, introduces a specific approach for bridging the gap between words and images and for capturing fleeting perceptions like those that occur in “eureka” moments. Taught by artist and art psychotherapist Crystal Woodward, the course encourages students to focus not only on the external features of an object or landscape, but on the relationship between self and the outside world.

Landscape, Art, and Visual Language examines the bonds between people and place, using the indigenous farmers of Southern France as an example. Students acquire the basic vocabulary and practical working concepts needed to develop artistic statements that link their own creative processes and human values to those of others. Interdisciplinary readings join landscape perspectives with contemporary thinking and bring added relevance to concerns about landscape preservation.

Stunning images of French landscapes, including (from top) an asparagus field in Luberon and a vineyard in Lacoste, provide reference in Landscape, Art, and Visual Language this fall at the Landscape Institute.

Landscape, Art, and Visual Language will be offered in the 2008 fall semester at the Landscape Institute, 29 Garden Street, Cambridge. Visit www.landscape.arboretum.harvard.edu for more information.

Crystal Woodward will be offering a lecture, Landscapes as Evolving Paintings, Living Art in the Luberon, Southern France, in spring 2008 (TBA).
From the Director

We were not sure what to look for when we initiated a search last year for a new director of the Landscape Institute, beyond wanting a clone of John Furlong, who has led the Institute for the past quarter-century. Because the Institute is dedicated to landscape design and its history, we clearly wanted an individual fully versed in the art of design. And it would be valuable to have a professional landscape architect with a local network of colleagues from whose ranks instructors could be recruited. We also wanted someone who understood how to run a business successfully.

Finally, it seemed critical that the new director be dedicated to excellence in the instruction and mentoring of students, preferably through a personal history of mentoring and instruction. Thinking that one person was unlikely to satisfy all our requirements, we set about searching for a candidate who possessed most of these qualifications.

Now let me introduce Heather Heimarck. Heather became a sculptor as an undergraduate at the University of Michigan and had several national exhibits of her work. After a few years of studio work, she enrolled in Harvard’s Graduate School of Design and received a Master of Landscape Architecture degree in 1991. Following nine years of practice in several local firms, she opened her own business, HighMark Land Design, specializing in site design and environmental science. Her recent projects include campus planning for the Belmont Day School, Cambridge Park Place housing, and transportation planning for Dorchester Avenue. And, by the way, she teaches. She has been on the faculty of the Rhode Island School of Design and she mentors aspiring landscape architects in the Career Discovery Program of Harvard’s Graduate School of Design. In her spare time she teaches a course at the Landscape Institute, Methods and Materials in Landscape Construction.

Please join me in welcoming the new director of the Landscape Institute, Heather Heimarck.

—Robert E. Cook, Director of the Arnold Arboretum
An Interview with Colin Lewis on the Larz Anderson Bonsai Collection

Q. What is your impression of the Arboretum’s bonsai, both as a collection and as a part of our botanical mission?

A. As a historical collection, the bonsai at the Arnold Arboretum are priceless and fully deserve all the care and attention they receive. Bonsai is both an art and a horticultural discipline, the purpose being the art and horticulture enabling that purpose. Over the years many of the trees have lost their form and one or two have deteriorated horticulturally, but all this can and should be rectified. It took me two years to adjust to the excitement and trepidation of working with such ancient and important trees, but now the trees and I have learned to work together and we are achieving results. My goal is to make the aesthetic quality of these precious trees every bit as impressive as their age and stature.

Botanically, the collection is significant mainly for its age. Some have arguably lived longer than they might have in the ground. Nobody knows the life span of Chamaecyparis obtusa ‘Chabo-Hiba’ grown as a bonsai, and these trees present a unique opportunity for someone to find out what it might be at some point in the distant future. Additionally, the practice of training bonsai employs techniques that exploit the plants’ natural responses, often pushing them beyond what an arborist or botanist would regard as normal. A varied collection of bonsai offers a unique insight into the resilience of some plants and how their natural survival, repair, and regeneration mechanisms can be manipulated.

Q. For each bonsai in the collection, do you map out a series of maintenance steps to achieve a specific goal, or is there a level of spontaneity each time you approach a plant based on how it has responded to previous work?

A. Maintenance includes both horticultural and aesthetic components. Horticulturally, the maintenance is...
somewhat routine now that the soil and the feeding regime have improved. Aesthetically, none of the trees have reached the maintenance stage yet, although some are nearing it. Most are still in the process of being redeveloped, and I have fairly firm mental blueprints for them. The steps necessary to achieve results are, of course, unique to each plant. Once a plant reaches its aesthetic goal, then the aesthetic maintenance can begin.

Although I can make bold moves towards my mental blueprint according to a plan or schedule, the finer aesthetic details are almost always worked out spontaneously or intuitively. Even on a very large bonsai, the fine details can make the difference between mediocrity and excellence. There is also a certain degree of spontaneity in the physical shaping and pruning, because no plant’s response to outside interference is totally predictable; but by taking small steps initially, one can learn the strengths and weaknesses of individual plants and become better at predicting their response. As the ‘Chabo-Hiba’ become more robust, they respond more like much younger plants, which is exactly what we had hoped.

Q. Why was it so important to retrain the Arboretum’s Hinoki cypress specimens into their original style?

A. It’s almost like restoring a valuable painting, bringing out the original colors and revealing the brush strokes. However, trees are constantly changing so one can only recover the spirit of the original work, not an exact re-creation. Some of the ‘Chabo-Hiba’ do present opportunities to recreate forms that follow their original design concept, and in such cases it is incumbent upon me to do so both for historical accuracy and out of respect for the original artist. A few are more difficult, having largely lost or outgrown the necessary components, and these will take longer to restore. There are still a few years to go before the restoration and reshaping work is complete, and beyond that there will be an ongoing process of continual improvement.

Q. As a bonsai artist, do you find that particular plants in our collection are especially challenging to style or maintain?

A. Some of the maples are quite challenging. Unlike those of the conifers, their branches are not flexible, so they cannot be trained in the same way. Being old, they are slower to regenerate new growth and more sensitive to environmental factors than younger trees. Another example is an ancient cherry that was severely compromised when I first began work on the collection. It has now gained remarkable strength and is beginning to develop into a healthy and presentable bonsai again.

Q. Like several other traditions from East Asia, bonsai has attracted a strong community of practitioners here in the United States. To what degree has an American school of bonsai developed, and what distinguishes it as a unique approach?

A. Bonsai is increasingly popular in the U.S. as a pastime, but it has not developed here as it has in Europe, where the level of achievement in both aesthetic and technical terms has increased dramatically since the early ’90s. There are more professional artists and collectors in, say, Italy or England than in the entire United States with the exception of California, where a large population of Japanese expatriates has created a center of high-quality bonsai. Nevertheless, I have seen bonsai artists here using better material and aiming at better results by searching out exceptional teachers and dedicating more time to the art. Time is an important factor, because the quality of a bonsai today is the result of decisions made some years ago, and the effects of choices made today for bonsai will take several years to manifest themselves.

What I see for bonsai in the future is an accelerating pace of change toward a more quality-oriented approach. Serious bonsai enthusiasts, artists, and collectors are aware that the U.S. lags behind Europe in this regard and are working hard to rectify the situation. American bonsai artists should concentrate more on native species and less on imported trees, following the classic Japanese rules less rigidly and experimenting creatively with their designs. Only then will an American style begin to emerge.
This year marks the 100th anniversary of Lilac Sunday. It is, some Bostonians say, a springtime tradition on a par with opening day at Fenway Park. We owe that first Sunday celebration, as well as its signature name, to the press, for it was the Boston Daily Globe that published the banner headline “Lilac Sunday at Arnold Arboretum” on May 25, 1908. In fact, the term “Lilac Sunday” would not appear in any Arboretum publication until E. H. Wilson’s America’s Greatest Garden in 1925.

The Globe probably received one of the monthly “clipping sheets” that Charles Sprague Sargent, the Arboretum’s first director, sent to the local and national press. Consisting of four or five short articles about which Arboretum plants would be in bloom in the upcoming weeks, these sheets were quoted extensively by many newspapers, or simply reproduced in their entirety. The Globe, knowing that most people at that time worked six days a week, simply chose the optimum day for all to visit and thereby created “Lilac Sunday.”

Initially, Sargent would only publish an estimate of the best time to visit. In the May 1911 issue of the Arboretum’s Bulletin of Popular Information he wrote that “the lilacs should be at their best by the end of the week.” But with The Christian Science Monitor reporting that the “Lilacs Have Burst Into Bloom at the Arnold Arboretum” (May 25, 1912) and The Globe continuing its coverage with “Great Display of Lilacs: Thousands of Persons Visit Arnold Arboretum and See Great Masses of Flowers” (May 25, 1914), Sargent, ever mindful of the power of the press, became more specific with his annual Bulletin predictions. In 1919, he forecast that “the collection will probably be at its best about May 24th.” The following year, he saw “every reason to believe that many of the plants will be in full bloom by Saturday, the 29th.” While they may have been at their peak on Saturday, The Globe ran coverage of the event under the heading “Lilac Sunday at the Arnold Arboretum” (May 31, 1920).

Without ever actually using the term “Lilac Sunday,” Sargent made his last lilac prediction in 1926: “When this Bulletin [May 19] reaches its readers the earliest Lilacs will probably be in bloom and there is every promise that Lilacs this year will be unusually full of flowers.” That year the press was exuberant: Boston Herald (May 28) “Announces Lilac Sunday;” Boston Post (May 29) “It’s Lilac Time;” Boston Herald (May 29) “Arnold Arboretum Lilacs Drawing Throngs.”

Nonetheless, the invitation to this Sunday celebration was not extended the following year. Early in the spring of 1927 the lilacs were cut to the ground, a drastic practice, according to Wilson, to be undertaken only if the “plants have become thin and scrawny.” On April 5, 1927, The Boston Evening Transcript announced “No Lilac Sunday Till 1928—Bushes at the Arnold Arboretum Are Being Given a Rest This Year, but Will Be Better Than Ever Next Spring.”

Today the date for Lilac Sunday is set almost a year in advance and the time of peak bloom is occurring earlier in the spring. Initially Lilac Sunday was apt to fall at the end of May, then for many years the third Sunday in May was the norm; but recently the celebration has been moved to the second Sunday in May. In addition to the beautiful and fragrant display, visitors at the Centennial Lilac Sunday this year can enjoy picnicking (on this special day only), guided and self-guided tours, a lilac-themed art exhibition, dance and musical performances, and special family activities. With a lilac collection composed of some 400 plants, each with its own predilections for blooming time, true aficionados should visit more than once.

Sheila Connor, Archivist
THE ART OF COLLECTING TREES
Arboretum Co-hosts Major Curation Symposium

Michael Dosmann, Curator of Living Collections

As North America’s oldest public arboretum, the Arnold has a long history of curating living plant collections. Many of our current practices arose through trial, error, and refinement, and have been adopted or used as models in other gardens and arboreta. In addition to documenting our comprehensive collection of temperate woody plants, our mission also includes providing opportunities for educational enrichment. Last fall, these two roles were combined for the first time in a symposium dedicated specifically to the essentials of curating living plant collections. Held October 4-5, 2007, and attended by more than 100 curators, horticulturists, and other specialists, this event was sponsored by the American Public Gardens Association (APGA) and co-hosted by the Arnold Arboretum and Mount Auburn Cemetery. Featuring lectures as well as field demonstrations, the symposium was a landmark gathering in the interest of effective collections management and collaboration among public gardens and arboreta.

A symposium dedicated to living collections management can start with only one topic: the living collections policy. Tim Hohn of Edmunds Community College, WA, author of the new book Curatorial Practices for Botanical Gardens, presented a lecture and moderated a candid discussion on this theme, posing questions to a panel of professionals from a range of arboreta and gardens. This dialogue addressed not only how collections are assembled, but the ways they change over time and how institutions can best plan and carry out collection reviews and renovations.

An individual plant in a collection is only as valuable as the information attached to it—and the ease with which the information can be accessed. The central topics of documentation, mapping, and labeling were explored during sessions held at Mount Auburn Cemetery. Kerry Walter, the originator of the BG-Base™ living collections database, presented the first lecture, followed by two sessions on mapping and labeling led by Mount Auburn horticultural curator Dennis Collins.

At the Arnold Arboretum, participants received training in three areas: taxonomic and nomenclatural verifications, field checking, and managing the flow of plants in the collection. Speakers from Longwood Gardens, Polly Hill, Scott Arboretum, and other botanic gardens joined Arboretum staff in discussing and demonstrating the critical tasks of accessioning, taxonomic verification, field checking, inventorying, and plant vouchering.

An open-house reception held in the Arboretum’s Hunnewell Building featured many of the institution’s archival treasures, including fascinating artifacts from the careers and travels of C. S. Sargent and E. H. Wilson. The gathering provided a terrific opportunity for introductions and informal discussions among participants and Arboretum staff. A final session summarized many of the themes of the symposium, particularly the future of curation, the training of new collection managers, and strategies to improve advocacy for collections.
The success of the symposium was the result of collaborative efforts by the staffs of the Arnold Arboretum, Mount Auburn Cemetery, and the APGA. In addition to promoting cross-institutional cooperation, the event gave us a chance to take stock of our own work. While teaching others about some of our own curatorial methods, we learned a great deal about those of our colleagues. The Arboretum can be proud of its curatorial work, but there is always room to learn, adapt, and improve. We are now undertaking a comprehensive review of our procedures to help us determine future directions in managing our important woody plants collection.

ARBORETUM RENEWS SMITHSONIAN PARTNERSHIP IN CTFS

Robert E. Cook, Director

Through a new five-year agreement, the Arnold Arboretum has renewed its partnership with the Smithsonian Tropical Research Institute in support of the Center for Tropical Forest Science (CTFS). The new agreement calls for expansion of Arboretum support for the program’s work in Asia and relocation of its headquarters to the Harvard University Herbaria, where the current director, Dr. Stuart Davies, will assume responsibility for all Arboretum activity in Asia.

Established nearly a quarter-century ago by former director Peter Ashton, CTFS conducts long-term research on the composition and behavior of tropical forests. The core work of CTFS is to monitor populations of all tree species in twenty permanent plots across fifteen countries, including twelve sites in southeast Asia. Every tree in each fifty hectare plot is tagged, measured and mapped. CTFS resurveys the plots every five years, with over 1.4 million trees representing roughly 3,000 species currently under study. This long-term research provides an exceptional depth of information on forest ecosystems and a baseline from which to investigate the extraordinary species diversity of tropical forests. In addition, the program provides educational opportunities to Asian students and scientists in the theory, methodology, and implementation of tropical forest research.

Recently the Center began to create a grant-funded global earth observatory system to examine forest response to climate change. This program will incorporate data from new plots in temperate regions of the world with data from the CTFS plots. The Center also maintains programs in field training, research grant support, and applied research on sustainable management, restoration, and conservation of tropical forests.
Exciting news from the Horticultural Library: we have been Google-ized! That is to say, many of our out-of-copyright books and journals have been digitized by Google™. We are now one of the many partners in the Google Books Library Project, self-described by the internet search engine as “an enhanced card catalog of the world’s books” (a reference which seems to me a bit dated). At Harvard, other libraries that will provide a rich complement to our holdings include the Frances Loeb Library and our sister collection, the Botany Libraries.

Your library staff is thrilled, for this means that you have desktop access to the entire texts of a substantial number of our rare and valuable historic titles on botany, gardening, dendrology, forestry, landscape design, and landscape architecture, as well as plant monographs, floras, and much more. These are books and journals that are generally out of print and rarely at your fingertips.

As for the project itself, the process of selecting, barcoding, securing, transporting, digitizing, returning, and reshelving advanced with remarkable speed. A five-person project team comprising a selector, three barcoders, and a driver arrived on May 7. They departed a mere twenty-six days later on June 12, having digitized well over half of the eligible volumes. Combining the best qualities of library visitors and library staff, the team was friendly, quiet and serious (but not too quiet or too serious), interesting, and thoughtful. They worked hard and did a great job, and we missed them when they left.

How did the books fare? At our library and all other Harvard libraries participating in the project, there are strict requirements governing the selection of material. Chief among the criteria, in addition to the publication date, is the condition of the piece. If the book is in poor condition or likely to be harmed by the process, it is passed over and left on the shelf. I must admit I shadowed the selector for a few days only to discover that his standards proved more conservative than my own.

We encourage you to try Google Books on your own. At Google’s homepage (www.google.com), click on More on the top navigation bar and a drop-down menu will appear. Select Books and you will enter a virtual library. A search box will appear, and if you want to fine-tune your results click on Advanced Book Search to the right. This next screen will offer a new selection—All Books, Limited Preview, Full View, and Library Catalogs—and will also enable you to refine your search terms. If you select Full View your results will include only fully digitized books that are out of copyright. Click Limited Preview and you will be able to view snippets from more contemporary titles. These can be quite extensive, certainly long enough for you to decide to click on either Buy This Book or our favorite, Borrow This Book, which leads to Find This Book in a Library. Enter your zip code to access a list of local libraries that carry that particular title.

You may also enjoy the benefits of our involvement in the project by approaching Google Books from a different angle. Begin at Harvard Libraries’ online catalog, HOLLIS (http://hollis.harvard.edu/). Search for a particular title, author, or key word. If the catalog record includes the notation Internet Link, then off you go to the full text of the book. There are a number of different kinds of links, but if you see “FIG” in the link address, it stands for “Find In Google” and, although the piece is presented to you in a slightly different format, that title comes to your desktop by way of the Google Book Project.

continued

Sheila Connor, Archivist

Above A sample page of Charles Sargent’s Manual of the Trees of North America (1905), one of more than 3,000 works from the Arboretum library digitized by Google
I could go on about all the bells and whistles included in Google Books, like the ability to download a fully digitized book in portable document format (pdf), or see it in plain text so that parts of it can be copied to a new document, and so on. But enough said—I suggest you explore and discover the deliverables that Google has produced.

One more challenge: in the Find Out More About This Book section for each book in Google Books, you will see that all books scanned from the Harvard libraries are identified simply as “Original from Harvard University.” Although several Harvard libraries have been scanned, there is nevertheless a way to figure out whether a title has come from the Arboretum. If you find the solution, email it to hortlib@arnarb.harvard.edu, and if you are correct, we will award you the title of Google Sleuth. If you are interested in finding out more about using Google Books, let us know, also by email, and we will be happy to schedule a class or to give you individual instruction.

Collection Offers Clues in Birch Study

For the past two years, Boston University researchers Abraham J. Miller-Rushing and Richard Primack have investigated the effects of winter temperatures on birch trees at the Arnold Arboretum as part of an ongoing program of global warming studies. Having observed that cold winter temperatures delayed spring flowering of black birches (*Betula lenta*) but not gray birches (*Betula populifolia*), the researchers examined the Arboretum’s robust collections of the two trees in order to understand the different responses of these closely related species. They discovered that the male inflorescences of black birch are often killed by winter frosts and fall off before spring because they retain more water in their buds and twigs through the winter. Also, xylem cells—the vessels for water transport—are wider in black birches, making them susceptible to air bubbles that can disrupt water flow in cold weather. Results of the study will be published in the journal *Tree Physiology.*

**New Horizons For Agricultural Students**

The Arnold Arboretum and the Massachusetts Horticultural Society (MHS) are collaborating with the Norfolk County Agricultural High School (NCAHS) on a pilot internship program this spring. Ten juniors enrolled in the school’s plant sciences track have been selected to work alongside professional horticulturists at the Arboretum and MHS, applying their classroom learning to real issues in the management of public landscapes.

Steve Schneider, manager of horticulture at the Arboretum, called the program “a great opportunity to boost interest in the fields of horticulture and plant sciences. We currently offer elementary school programs and internships for college students—this is an opportunity to reach an underserved audience at a pivotal age.” Interns will receive classroom training and work with the Arboretum’s crabapple collection on Peters Hill and the MHS trial gardens at Elm Bank in Wellesley.

Pam Thompson, manager of adult education, will manage the program for the Arboretum and assist NCAHS in writing a grant proposal to further develop this initiative. In her letter of support, Pam praised NCAHS for thinking innovatively to match their curriculum with the shifting economy of Massachusetts. “With its significant loss of farmland and lessening demand for traditional agricultural expertise,” she notes, the program “will encourage students to pursue careers in biotechnology, horticultural research and production, and environmentally sound landscape management and conservation.”
Adult education at the Arnold Arboretum is a community resource for the study of horticulture, botany, and garden arts.
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Focused Studies

Adult education at the Arnold Arboretum is centered on our collections of temperate woody plants. For students seeking to structure their studies, we offer a sequence of core classes in plant identification, horticultural methods, and propagation. We recommend that all students complete an introductory botany class as a preliminary step. Please note that not all classes are offered every semester, or even every year, and that others may be added as we develop new ones.

Temperate Woody Plant Identification
The ability to identify a wide variety of hardy woody plants is essential for understanding the floral and horticultural environment of New England. The classes below provide a foundation for this skill.

- **BOT 111** Tree Basics
- **HOR 103** Identifying the 25 Most Common Trees in Boston
- **BOT 162** Leaf Morphology
- **HOR 116** Trees by Genus
- **HOR 144** Shrubs By the Month
- **BOT 104** Winter Tree Observations
- **BOT 228** Sampling the Conifers—Pinaceae
- **BOT 252** Sampling the Conifers—Cupressaceae
- **HOR 125** Vines for the Garden

Horticultural Methods for Woody Plants
Proper care of woody plants is important to their overall health. These classes teach techniques and procedures for woody plant care.

- **HOR 110** Fundamentals of Gardening
- **HOR 195** Planting and Transplanting: Demonstrated Techniques for Trees and Shrubs
- **HOR 225** Plant Selection in the Nursery
- **HOR 152** Species Rose Care and Culture
- **HOR 301** Pruning Basics for Woody Ornamentals
- **HOR 314** Pruning in Winter
- **HOR 335** Fall Planting and Winter Care of Trees and Shrubs
- **HOR 359** Assessing Tree Health and Structure
- **HOR 402** Bio-control in the Garden
- **HOR 407** Lilac Intensive with Jack Alexander

Woody Plant Propagation
The elements of propagation—from taking cuttings and germinating seeds to hardening off, potting, and planting out—are covered in the classes listed below, in the recommended order.

- **HOR 303** Propagation 1: Hardwood Cuttings and Seeds (Fall)
- **HOR 305** Propagation 2: Grafting of Ornamental Trees (Winter)
- **HOR 307** Propagation 3: Softwood Cuttings (Summer)
- **HOR 317** Success with Propagation: Growing On (Spring)
- **HOR 320** Advanced Propagation: Choice and Challenging Plants (Summer)
- **HOR 316** Budding Workshop (Summer)
- **HOR 336** Growing Plants from Seeds
April

Private Spaces: Garden Redesign for Homeowners

Peter Medaglia, Landscape Designer and Owner, Gold Medal Gardens

4 Sessions
Thu Apr 3, 10, 17, 24  6:00-8:30pm [HB]
Have you bought a home and with it an overgrown garden? Or are you living with a garden that’s become uninspiring? If so, how do you redesign your garden to mesh with your ideas of what a garden should be? Even the smallest of yards can become a successful garden, if planned wisely. You will learn how to design your personal space for maximum use and aesthetic appeal and to deal with questions of sun, shade, drainage, and water in an urban or suburban environment. Peter will discuss plants suitable for smaller spaces and will work with you to develop your own redesign.

Fee $110 member, $135 nonmember

Four Seasons of Color in the Garden

Ellen Lathi, Gardener

1 Session
Fri Apr 4  3:00–4:00pm [WCFH]
Successful gardens are tapestries of herbaceous plants, vines, trees, and shrubs woven together by the color, shape, and texture of their foliage. Garden enthusiast and plant connoisseur Ellen Lathi will show slides and talk about the use of bold, colorful, and variegated foliage in her four-season Needham, Massachusetts garden—a favorite stop on local garden tours.

Fee $12 members, $15 nonmembers
Offered in collaboration with Wellesley College Friends of Horticulture

Designing Mixed Bed Plantings

Scott Scarfone, Landscape Architect

1 Session
Sat April 5  9:00am-4:00pm [HB]
Do you struggle to create a planting plan? Is your garden not quite right but you can’t figure what is wrong? Scott Scarfone, landscape architect and author of Professional Planting Design—An Architectural and Horticultural Approach for Creating Mixed Bed Plantings, is coming to Boston to teach a day-long workshop to help you out of this dilemma. Scott will analyze the components of an appealing, well-designed mixed bed. He will deconstruct the whole to get to its essence and then, using a building-block technique, he will show the careful planning that is required to make a visually interesting garden. The aim of this workshop is to reveal the design principles of a well thought-out mixed garden bed. Bring your lunch and a beverage. Scott’s book will be available for purchase.

Fee $90 member, $108 nonmember
Offered in collaboration with the New England Wild Flower Society, Massachusetts Horticultural Society, and the Wellesley College Friends of Horticulture

Fundamentals of Gardening

Laura Eisener, Instructor, Landscape Institute, and Garden Designer

4 Sessions
Mon April 7, 14, 21, 28  6:30–8:30pm [HB]
Whether you are a novice starting your first garden or an old hand looking for a firmer foundation, this practical course will satisfy your thirst for basic gardening information. In the four sessions you will learn basic principles essential to good gardening, including site analysis and soil preparation, watering and irrigation, plant selection, and horticultural requirements of plants. Note: This is not a course on vegetable gardening, although some of the information provided could be applicable.

Fee $85 member, $105 nonmember
Credit MCLP: 1ceu

Signs of Spring

Nancy Sableski, Children’s Program Coordinator, Arnold Arboretum

1 Session
Sun Apr 13  1:00-2:30pm [HB]
Is it spring yet? How can you tell? Take a guided walk through the Arboretum to look closely at early blooming plants and search for other signs that a new season has arrived.

Fee Free, but advance registration is requested
Soil Is Not Dirt: A Horticulturist’s View  
**HOR 112**

Michael Dosmann, Curator of Living Collections, Arnold Arboretum

1 Session

Wed Apr 16  6:30–8:30 pm [HB]

This combined lecture and lab will explore soil, one of the most important of gardening topics. Michael will introduce some of the basics of soil science and its practical applications to gardening. You will learn about soil components, pH, and fertility, and try to determine the make-up of soil from your own garden. Bring a clear plastic or glass jar (Mason jar or mayonnaise-type jar, cleaned and labels removed) half full of soil from one location in your garden. Michael will show how to conduct some easy and worthwhile analyses of your own.

Fee $20 members, $25 nonmembers

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Hemlock Hill: Global Changes in Local Places  
**WAL 144**

Richard Schulhof, Deputy Director, Arnold Arboretum

1 Session

Sat April 26  1:30–3:00pm [SSG]

The impact of larger environmental trends, particularly the human-mediated transport of invasive organisms, is bringing some dramatic changes to our local environment. During this vigorous walk you will explore transformations that have been occurring on Hemlock Hill, from the blow-downs of the 1938 hurricane to the current effects of hemlock woolly adelgid, and learn of the Arboretum’s plans for this historically significant landscape and urban forest.

Fee Free, but advance registration is requested

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Defiant Gardens: Making Gardens in Wartime  
**HOR 456**

Kenneth Helphand FASLA, Professor Of Landscape Architecture, University of Oregon

1 Session

Tue April 15  7:00-9:00 pm [HB]

What drives humans to garden, even under the most extreme social, political, or economic conditions? Why do so many, when under duress, seek out the natural world or attempt to replicate it in a small patch of earth? Come to this lecture to learn incredible tales of garden-building—behind the trenches of World War I, in the ghettos and Japanese-American internment camps during World War II, at bases and encampments during the wars in Vietnam and the Persian Gulf, and today in war-torn Afghanistan and Iraq. In his book, *Defiant Gardens*, Kenneth Helphand has collected stories and photos, documenting the visceral drive to plant a seed and nurture growth in the most unlikely places. He will share some of his research and images in this moving lecture.

Fee Free, but advance registration is requested

Credit APLD: 1.25 ceu

Offered in collaboration with the Jewish Studies Program at Boston College, New England Landscape Design and History Association, and Newton Community Education

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Selecting Plants from Nurseries and Garden Centers  
**HOR 225**

Tom Ward, Manager, Dana Greenhouse, Arnold Arboretum

1 Session

Tue Apr 29  6:30–8:30pm [HB]

Nurseries and garden centers vary tremendously in the way they grow, tend, and sell their plant material. In this slide lecture, Tom Ward will show you how to evaluate a nursery based on its production methods, the age of its plant materials, and the growing conditions present. He will discuss factors to be considered when selecting plants, such as balled-and-bur-lapped vs. container-grown plants, large trees vs. whips, and when “locally grown” really matters. Learn the warning signs of a doomed plant and how to increase your success with trees and shrubs—before your next plant-shopping spree.

Fee $20 member, $25 nonmember

APLD: 1.5 units
Birds & Bards Festival: May 2–4

Morning Bird Walk

Bob Mayer, Arnold Arboretum Volunteer
1 Session
Fri May 2  7:00–8:30am [HB]
Celebrate the Birds & Bards Festival with an early morning walk in search of migrating birds amid the profusion of spring flowering plants at the Arnold Arboretum. Novices as well as experienced birders are welcome.

Trees and Poetry

Ethan Gilsdorf
1 Session
Sat May 3  3:30–6:00pm [HB]
Stroll through the majestic spring landscape of the Arnold Arboretum on a guided journey. Explore the creative writing process, tap into your imagination, and listen to tree-inspired poetry.

An Inconvenient Truth: Presentation and Discussion

Peter Pruyn, Volunteer, The Climate Project
1 Session
Wed Apr 30  6:30–8:30pm [HB]
Peter Pruyn, a trained volunteer with the The Climate Project will deliver Al Gore’s PowerPoint presentation captured in the movie *An Inconvenient Truth*. He will lead a discussion to help you understand some of the science and effects of global warming at a local, as well as global, scale. Reluctant to be labeled an environmentalist or proselytizer when he signed on to The Climate Project, Pruyn is now eager to motivate individuals to taking action. Bring your ideas and discuss what can be done to address the challenges of climate change.
Fee Free, but advance registration is requested

The Explorers Garden

Michael Dosmann, Curator of Living Collections, Arnold Arboretum
1 Session
Saturday, May 17  1:00-3:00 pm [HB]
Trek through the newly named Explorers Garden, the collection of plants growing on the eastern slope of Bussey Hill on and around Chinese Path. Find out why this location has been ideal for testing plants of unknown hardiness, hear tales of exciting plant expeditions, and get to know the explorers that brought these gems to the Arboretum.
Fee Free, but advance registration is requested

May

Birding for Beginners

Bob Mayer, Arnold Arboretum Volunteer
3 Sessions
Thu May 15  7:00–8:30pm [HB]; Sun May 18 [HB] and Sun June 1 7:30–9:30am [WSG]
Boston is for the birds! And so is Bob Mayer. In this class for the novice, Bob will discuss choosing the right optics, field guides, and other aids and references for the beginning birder; introduce the key elements in finding and identifying birds; and review birding etiquette and behavior in the field. After becoming familiar with the fundamentals, you’ll venture into the best birding habitats in the Arboretum to practice using your equipment and search for some of the many wonderful birds that can be seen on the grounds. The first two sessions meet at the Hunnewell Building; the third meets at the Walter Street Gate.
Fee $50 member, $60 nonmember

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Fee Free, but advance registration is requested
Climate Change and New England’s Natural Ecosystems

Jeffrey Dukes, Assistant Professor, Department of Biology, University of Massachusetts, Boston

1 Session

Sun May 4  3:00–5:00pm [Hamel Commons Function Room, Fuller Village, 1372 Brush Hill Road, Milton]

In this lecture, Jeffrey Dukes will briefly explain the causes and dynamics of climate change and how ecosystems and the ocean act to slow the rate of change. He will then detail the expected shifts in New England’s climate and discuss how local ecosystems may respond to warmer and sometimes wetter conditions. He will share current thinking on which species will benefit, which may suffer, and the reasons why. Finally, Dr. Dukes will describe the Boston-Area Climate Experiment, a new experiment being conducted in Waltham that is altering the climate over 36 small plots of land to determine local species’ responses to change.

Following the lecture, enjoy refreshments and a walking tour of the neighboring historic property, the Wakefield Estate. The tour, which will be led by estate staff and Dr. Dukes, will highlight aspects of the lecture as they relate to the wide variety of trees of the estate.

Fee Free, but advance registration is requested

Offered in collaboration with the Wakefield Charitable Trust

Containers to Go  HOR 186

Deborah Trickett, Owner, The Captured Garden

2 Sessions (select one)
A: Tue May 20  1:00–3:00pm [HB]
B: Tue May 20  6:30–8:30pm [HB]

Bring your favorite pot or container and prepare to plant in this hands-on class. Deborah Trickett, who specializes in container planting, will lead you through the steps of creating a full floral display that complements your chosen pot. She will begin class with an overview of techniques and design tips for best results. You will then fill your container with potting mix and select from a variety of annuals and herbs to plant your own combination. Bring a pot no larger than 12 inches in diameter and gloves if you desire; potting mix and plants will be provided.

Fee $50 member, $60 nonmember

“GROW UP!”
Maximizing Height in Your Home Landscape  HOR 170

Peter Medaglia, Owner, Gold Medal Gardens

1 Session

Sat May 24  11:00am–3:00pm [HB]

Is your garden overflowing its edges while seemingly lacking in depth and fullness? If so, train your eye upward with Peter Medaglia and explore the oft-forgotten dimension of height in the garden. Adding elements that have presence above knee-level can dramatically change the impression of a space. Peter will show examples of gardens that incorporate plants and stylized forms to add volume and impact at eye-level. He will include information about trellises, espalier, and living fences. Bring four disposable pictures of your garden (as close to full page as possible) to sketch on and explore how you can “grow up.”

Fee $45 member, $55 nonmember

Shrubs By the Month  HOR 144A

Michael Dosmann, Curator of Living Collections, Arnold Arboretum

4 Sessions (register for all or select individual sessions)
A: Thu May 29  5:30-7:30pm;
B: Jun 19  6:00-8:00pm;
C: Jul 17  6:00-8:00pm;
D: Aug 21  5:30-7:30pm [HB]

The Arboretum’s living collection is home to a diverse array of shrubs quite familiar to gardeners, designers, and other plant enthusiasts. However, the collection also contains some lesser known species that possess interesting life histories, ornamental appeal, and other unusual characteristics. Join Michael Dosmann as he explores some of these plant curiosities. Each session will feature a unique set of taxa and will take place outdoors. Attend one session or register for all.

Fee $20 member, $25 nonmember per session
Take a walk in the Arnold Arboretum with Doug Tallamy as he introduces you to the smaller inhabitants of this 265-acre ecosystem. You’ll look for pollinators and other tiny creatures that support the web of life—comparing native with non-native, detrimental with beneficial—in the relationships between plants and animals. As a collection of native and non-native woody plants, like many landscapes today, the Arboretum abounds with cause-and-effect examples upon which Doug will elaborate while sharing his findings on the role of native vegetation in garden ecosystems. Bring a hand lens if you have one.

Fee $36 member, $42 nonmember

Doug Tallamy is professor and chair of the Department of Entomology and Wildlife Ecology at the University of Delaware. He is the author of *Bringing Nature Home*.

Offered in collaboration with the New England Wild Flower Society and Newton Community Education.

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**Bringing Nature Home With Doug Tallamy**

**Complexity and Connection in the Garden**

WAL 299

1 Session

Thu May 22  2:30–5:00pm [HB]

**Bees, Birds, Butterflies, and Biodiversity: Bringing Nature Home with Native Plants**

HOR 453

1 Session

Thu May 22  7:00–8:30pm [HB]

Something was missing from Doug Tallamy’s newly acquired suburban landscape. While the trees and shrubs were all healthy, there was negligible insect damage and therefore little evidence of residing insects. To some this might sound like Eden; to an entomologist it was alarming.

Thus began Doug’s evaluation of the effect that decades of gardening with non-native ornamentals has had on North America’s biodiversity. What he discovered so disturbed him that he wrote a book, really a plea, to gardeners. *Bringing Nature Home* implores us to turn gardens into habitats, sanctuaries for insects and other wildlife, with abundant native plants. In the first chapter, Doug writes, “Gardening with natives is no longer just a peripheral option favored by vegetarians and erstwhile hippies. It is an important part of a paradigm shift in our shaky relationship with the planet that sustains us—one that mainstream gardeners can no longer afford to ignore.” Doug believes gardening choices may have gotten us into this mess; learn how he thinks gardening just might get us out of it. Don’t miss his urgent message.

Fee $15

**Gardening with Native Plants to Support the Web of Life**

HOR 278

1 Session

Fri May 23  9:30am–12:30pm [NEWFS]

In this seminar at the New England Wild Flower Society’s Garden in the Woods, you will explore a broad palette of eastern native plants and learn about the life they support and rely on. Join Doug Tallamy for a closer look at how to enhance connections among plants and animals, maintaining and even increasing biodiversity. Included will be a walk through Garden in the Woods’ collection of native plants displayed in micro-habitats, which provides a rich classroom for examining host-pollinator and plant-herbivore relationships and many other types of symbiotic interactions. Bring a hand lens if you have one and a bag lunch to enjoy following the seminar.

Fee $45 member, $55 nonmember

“It is now within the power of individual gardeners to do something that we all dream of doing: to “make a difference.”

—Doug Tallamy
June

Trees in the City: Key Players in Reducing Energy Usage and Enhancing Air

**HOR 328**

**Woody Plant Health Care: Identifying Insect Pests, Plant Diseases, and Stresses**

*John DelRosso, Head Arborist, Arnold Arboretum*

2 Sessions
Thu Jun 5 6:00–9:00pm and Sat Jun 7 9:00am–noon [HB]

During an evening lecture and a daytime walk, John DelRosso will present current methods of identifying, monitoring, and managing various types of insect pests, plant diseases, and stresses that affect woody plants. The group will tour the Arnold Arboretum in search of over twenty different examples of the common problems associated with landscape plant material. Students are encouraged to bring sample bags and a hand lens and to wear comfortable walking shoes for the Saturday walk.

Fee $72 member, $86 nonmember
Credit MCLP: 1ceu, MCA: 1ceu

**HOR 103**

**The 25 Most Common Trees in Boston**

*Kyle Port, Manager of Plant Records, Arnold Arboretum*

1 Session
Sun Jun 8 9:00am–1:00pm [HB]

In just a few hours you can learn to identify 90 percent of the trees growing in Boston, both native and nonnative. Beginning in the classroom, the group will briefly review the characteristics of the twenty-five most common trees and learn the botanical terminology necessary to describe them. Participants will then walk the grounds of the Arboretum to look at mature specimens of these trees.

Fee $45 member, $55 nonmember
Credit MCLP: 1ceu, MCA: .5ceu

**HOR 152**

**Species Roses: Care and Culture**

*Kit Ganshaw, Horticultural Technologist, Arnold Arboretum*

1 Session
Mon Jun 9 4:00–6:00pm [HB]

Kit Ganshaw's daily focus is the Arboretum's seven-acre Bradley Rosaceous Collection. Her most intensive work involves the species roses that fill the beds in the center of the garden. In this on-site demonstration, Kit will show pruning techniques, discuss some procedures for preventive health care, and compare the requirements of species and hybrid roses. She will also include information on some of the other rosaceous shrubs found in the collection.

Fee Free, but advance registration is requested
Credit MCLP: 1ceu, MCA: 1ceu

Offered in collaboration with
Dorchester Environmental Health Coalition and Boston's Urban Forest Coalition
Health Care for Plants

*Julie Coop, Manager of Plant Health, Arnold Arboretum*

1 Session

Wed Jun 18 10:00–11:30am [HB]

Health care is not just for people! Plants also benefit from life-long preventive medicine, regular check-ups, and concern for the whole plant, not just the sick part. Integrated pest management is part of the medicine chest, but there's a lot more to maintaining the health of the Arboretum's collection of more than 15,000 plants, ranging from newly planted saplings to centenarians. Join Julie Coop on a walk as she explains the Arboretum's new approach to continuing care and points out changes in the landscape.

Fee Free, but advance registration is requested

Vines for the Garden

*Jen Kettell, Horticultural Technologist, Arnold Arboretum*

1 Session

Wed Jun 11 6:00–8:00pm [DG]

Effective landscape design includes creative development of vertical space, and vines should be considered from the outset. While touring the Leventritt Garden of Shrubs and Vines, horticulturist Jen Kettell will introduce you to an array of vines. She will explain their various growth habits and attachment mechanisms which determine how they are best used in the garden. Focusing on floral, foliar, and fruiting characteristics she’ll recommend vines for a variety of situations.

Fee $20 member, $25 nonmember

Shrubs By the Month

*Michael Dosmann, Curator of Living Collections, Arnold Arboretum*

1 Session (See other sessions and dates on page 15)

Thu Jun 19 6:00–8:00pm [HB]

Join Michael Dosmann as he explores some of the common and unusual shrubs of the Arnold Arboretum. See full course description on page 15 for more details on this series.

Fee $20 member, $25 nonmember per session

Looking at Floral Structure

*Kanchi Gandhi, Botanist, Harvard University Herbaria*

4 Sessions

Tue Jul 8, 15, 22, 29 6:30–8:30pm [HUH]

Charles Darwin called the origin of flowering plants an “abominable mystery.” The diversity found in floral structure makes it easy to understand his frustration. In this basic overview, Kanchi Gandhi will teach you to look at flowers as the complex structures that they are with slides, handouts, and dried and fresh specimens. You will learn floral characters of some of the major plant groups (families) such as magnolias, amaranths, mustards, legumes, roses, poinsettias,
oranges, parsley, mints, squashes, sunflowers, and orchids. Participants will also learn to use keys to identify plant families. Bring a hand lens if you have one.

Fee $112 member, $135 nonmember
Offered in collaboration with the New England Wild Flower Society

**Furrows, Cracks, and Gnarls: Celebrating Old Trees**

*Kyle Port, Manager of Plant Records, Arnold Arboretum*

1 Session

**Tue Jul 15 10:00–Noon [HB]**

As the oldest public arboretum in North America, the Arnold Arboretum is a great place to explore how woody plants age. Take a guided walk exploring the rich history of the Arboretum’s older trees and what contributes to their longevity and adaptability. You’ll see plants that are deceptively old and others that may be past their prime aesthetically but are nonetheless highly valued members of the collection.

Fee Free, but advance registration is requested

**Shrubs By the Month**

*Michael Dosmann, Curator of Living Collections, Arnold Arboretum*

1 Session (See other sessions and dates on page 15)

**Thu Jul 17 6:00-8:00pm [HB]**

Join Michael Dosmann as he explores some of the common and unusual shrubs of the Arnold Arboretum. See full course description on page 15 for more details on this series.

Fee $20 member, $25 nonmember per session

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### August

**Butterflies of Summertime**

*Kim Smith, Author, Illustrator, Designer, Photographer*

1 Session

**Wed Aug 6 11:00am–1:00pm [HB]**

Rain date: Wed Aug 13

Don a sunhat for this walk during the heat of the day when butterflies are most active. An artist by training, instructor Kim Smith turned her attention on the garden and in the process became an advocate for butterflies. Kim will explain the life cycle of these beautiful insects, their role in the ecosystem, and what plants they require for shelter and food. A list of caterpillar host plants and adult nectar plants will be provided to help you entice these insects to inhabit your own garden. Some of the species you may see include the famously people-friendly Red Admiral; the Ladies—Painted and American; Monarchs; Summer Azure and various skippers; swallowtails; elfins; hairstreaks; fritillaries; and leaf wings. You can learn more about designing a butterfly garden in Kim’s book, *Oh Garden of Fresh Possibilities! Notes from a Gloucester Garden*.

Fee $20 member, $25 nonmember

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**Broadleaf Weeds:**

*UMass Extension Weed Identification Workshop*

*Randall Prostak, UMass Extension Specialist*

1 Session

**Wed Jul 30 9:00am–3:00pm [HB]**

Correct weed identification is an important prerequisite for developing an effective weed management program. Using a classroom presentation, inspection of a potted weed herbarium, and a walk on the grounds of the Arnold Arboretum, UMass Extension Specialist Randy Prostak will help participants enhance their weed identification skills. Feel free to bring a weed or two for identification. Workshop will be held rain or shine. Bring a lunch.

Fee $95 (registration required, space is limited)

Register with UMass Extension. Go to www.umassgreeninfo.org to print an Extension registration form for this session and to see other weed workshop topics and locations.

5 pesticide contact hours available; MCLP and MCH credits will be offered.
Rendering Plants in Color  ART 118

Jan Arabas, Artist and Art Instructor, Middlesex Community College

1 Session
Sat Aug 16  9:00am–3:00pm [DG]

Enjoy a day focused on art and learn to use color pencil to capture plants on paper. Working with her favorite medium, Jan will teach a variety of techniques, both dry and wet, for color rendering. Students will closely observe a variety of plant samples and practice the drawing techniques taught in class. In addition to providing group instruction, she will devote time to each student's individual abilities and questions. Whether you've taken one of her popular classes or you're a beginner, you can expand your capabilities with this class.

Students should bring the following supplies to the first class:
- 12 aquarelle color pencils (Berol or Dewert brands are recommended)
- Pink Pearl eraser
- Pad of plate bristol paper, any size between 11”x 14” and 18”x 24”
- Small watercolor brush, size 6 to 12
- Jar for water
- Paper towels
- Pencil sharpener

Fee  $72 member, $86 nonmember

Shrubs By the Month  HOR 144D

Michael Dosmann, Curator of Living Collections, Arnold Arboretum

1 Session (See other sessions and dates on page 15)
Thu Aug 21  5:30-7:30pm [HB]

Join Michael Dosmann as he explores some of the common and unusual shrubs of the Arnold Arboretum. See full course description on page 15 for more details on this series.

Fee  $20 member, $25 nonmember per session

Native American Survival Skills  WAL 305

Nils Behn, Project Manager, Northern Power Systems

1 Session
Sat Aug 23  9:00am–3:00pm [DG]

Learn some of the most important survival skills of Native American hunter-gatherer cultures, including building shelters, collecting safe water, starting fires by friction, and identifying wild food sources. Nils will demonstrate how to make cordage from natural fibers and to use natural resources as tools, as well as ways to develop a better awareness of nature. While moving through the Arboretum, you will begin to see through the eyes of the Wampanoag people who lived on this land long before the time of Columbus. If you are interested in becoming more self-sufficient in the wilderness or want to experience the magic of your first bow-and-drill fire, this fun-filled day is for you. Bring a bag lunch and beverage, and dress appropriately for a walk on the grounds. This class is primarily for adults but is open to four adult/child (ages 10-14) pairs.

Fee $65 member, $78 nonmember; $95 member, $113 nonmember for adult/child pairs
September

On the Wing: Migratory Butterflies

Kim Smith, Author, Illustrator, Designer, Photographer
1 Session
Sat Sep 13 11:00am–1:00pm [HB]
Not all butterflies are migratory, but those that begin their journey to warmer climes in late summer and early fall. Join butterfly garden designer Kim Smith on this walk in search of species commonly seen in New England. Sightings of migratory butterflies may include the Monarch, Red Admiral, Question Mark, Comma, and Pearly Crescent. Participants will also look for butterflies such as sulphurs, swallowtails, gossamer wings, fritillaries, and ladies that remain in the area through the winter. Kim will explain typical migration patterns and over-wintering habits. She will also offer suggestions for providing fuel and safe harbor in your own garden for species on the wing in September.
Fee $20 member, $25 nonmember

Invasive Plant Ecology

Leslie Mehrhoff, Scientific Collection Manager, Department of Ecology and Evolutionary Biology, University of Connecticut
1 Session
Sat Sep 20 9:30am–12:30pm [HB]
Invasive plants spread into all sorts of places, using various strategies to out-compete native vegetation. Leslie Mehrhoff, project manager for the Invasive Plant Atlas of New England, will report on the evolving status of invasive plants in New England and elaborate on how different species come to dominate and suppress native plant communities. He will speak about the ecology of habitats before and after invasive plants arrive. Following his talk with a walk through the Arnold Arboretum, Les will explain how highly competitive dispersal mechanisms, germination rates, leaf retention capabilities, and other characters allow these plants to insert themselves into habitats and quickly gain the upper hand.
Fee $40 member, $48 nonmember

Wintering-over Tender Plants

Kathy Tracey, Co-Owner, Avant Gardens
1 Session
Tue Sep 23 6:30–8:30pm [HB]
What will you do with all the non-hardy plants that you have growing in your summer gardens and container displays? Horticulturist and garden designer Kathy Tracey of Avant Gardens in Dartmouth, MA has the best tips on wintering over this tender stock. Learn various techniques such as how and when to take cuttings to grow on for next year, which roots and tubers are easy to store, pest prevention, and more.
Fee $20 member, $25 nonmember

Introduction to Botany

K. N. Gandhi, Botanist, Harvard University Herbaria
8 Sessions
Tue Sep 25, Oct 2, 9, 16, 23, 30, Nov 6, 13 6:30–8:30pm [HUH]
“Dr. Gandhi’s enthusiasm and sense of wonder at the amazing things that can be found in nature make the concepts of botany come alive for us.” —Jane Mead, Botany Student, Fall 2006
Learn botany from dedicated instructor and plant nomenclature specialist Kanchi Gandhi. Among the topics to be explored: plant cells and tissues, anatomy and morphology, reproduction, nutrition, growth and development, plant diversity, evolution, classification, and nomenclature. This course, offering both lecture and laboratory activities, introduces botany to new students or serves as a refresher course.
Required text: Botany for Gardeners by Brian Capon. Contact the Arboretum’s bookstore (617.524.1718 x100) for availability.
Fee $180 member, $215 nonmember
Credit MCLP: 1ceu; MCA: 1ceu
Offered in collaboration with the New England Wild Flower Society
Instructors

Jan Arabas specializes in monotype prints and drawings of plants, animals, and people. She exhibits regularly in the U.S. and abroad. Her work is in the collections of the Museum of Fine Arts, Boston; the Boston Public Library; Purdue University; and a variety of corporate and private holdings. She is an associate professor of art at Middlesex Community College in Bedford, Massachusetts.

Nils Behn has spent much of his adult life studying and practicing the life skills of hunter-gatherer cultures. He has worked extensively with the Huaorani and Quichua Indians of Ecuador as well as the Blackfoot, Lakota, and Abenaki Indians of North America. Nils founded and for six years operated the Earth Circle School of Ancient Living Skills in the Bitterroot Mountains of western Idaho, where he hosted a two-week full-survival expedition for instructors of primitive survival techniques.

Julie Coop began her career at the Arnold Arboretum in 1988 as a grounds crew member at the Case Estates in Weston. She has worked as assistant superintendent and then superintendent of grounds and is currently the Arboretum’s manager of plant health.

Michael Dosmann is the curator of living collections at the Arnold Arboretum, where he was a Putnam Fellow from 2000 to 2002. He holds a doctorate from Cornell University as well as a BS and MS from Purdue and Iowa State Universities, respectively. His interests include the eco-physiology and taxonomy of woody plants as well as their use as ornamentals.

Jeffrey Dukes is assistant professor in the department of biology at UMass/Boston. His research group focuses on three themes: understanding ecosystem response to climatic and atmospheric change, understanding the impacts of invasive species on ecosystems, and exploring the ecological consequences of switching our energy supply from fossil fuels to biofuels. He directs the Boston-Area Climate Experiment.

Laura Eisener has a Master’s Degree in landscape architecture from UMass/Amherst and a Bachelor of Arts degree from Connecticut College. She is the principal of Laura D. Eisener Landscape Design in Saugus, MA, associate editor of People Places & Plants magazine, and a regular instructor for the Landscape Institute of the Arnold Arboretum.

Jen Kettell, horticultural technologist at the Arnold Arboretum, oversees The Leventritt Garden of Shrubs and Vines. She is a certified arborist and an accredited organic land care professional. She began work at the Arboretum as an intern in 2003.

Ellen Lathi is a garden enthusiast and plant connoisseur whose four-season Needham, Massachusetts garden is a favorite stop on local garden tours.

Kenneth Helphand is the author of Colorado: Visions of an American Landscape, Dreaming Gardens: Landscape Architecture and the Making of Modern Israel, and Yard Street Park: The Design of Suburban Open Space (coauthored with Cynthia Girling). He is a professor of landscape architecture at the University of Oregon in Eugene.

John DelRosso has an associate’s degree in forestry from Essex Agricultural and Technical Institute and is a graduate of the Consulting Academy of the American Society of Consulting Arborists. He is a certified arborist with the International Society of Arboriculture and the Massachusetts Arborists Association. John is the head arborist at the Arnold Arboretum.

Kanchi Gandhi is an instructor of botany and plant biology for the Arnold Arboretum. He is the editor of the International Plant Name Index for the Harvard University Herbaria; nomenclature editor of the Flora of North America; associate editor of Rhodora, the journal of the New England Botanical Club; and associate nomenclature editor of Taxon, International Journal of Plant Taxonomy, Phylogeny and Evolution.

Kit Ganshaw was featured in an article on rose care in the January/February 2003 issue of Horticulture magazine and toured the Arboretum’s rose garden with Roger Swain on the “People Places & Plants” television show in July 2003. Kit started her work at the Arnold Arboretum as an intern and in 1995 joined the staff as horticultural technologist, with her work concentrated on the Bradley Rosaceae Collection.

Ethan Gilsdorf lives in Somerville, where he makes his living as a freelance journalist, poet, critic, editor and teacher. His articles, poems and essays have been published in the New York Times, Poetry, and dozens of magazines, newspapers, guidebooks and literary journals world-wide.

William Manning is a professor of plant pathology in the department of plant, soil and insect sciences at UMass/Amherst. His research interests are air pollution biology; effects of air pollutants on plant growth and development, mycorrhizal formation and root diseases; and biology and ecology of soilborne fungi.
Bob Mayer has been birding, photographing, and volunteering as a docent and Field Study guide for more than five years at the Arnold Arboretum.

Peter Medaglia traded a career in marketing for a pair of garden clogs and a lifetime of dirty fingernails. Gold Medal Gardens, his award-winning landscape design and construction company, specializes in client-driven, site-specific solutions for personal landscapes.

Leslie Mehrhoff is scientific collection manager in the department of ecology and evolutionary biology at the University of Connecticut. He represents the University in the Invasive Plant Atlas of New England, a USDA-funded project designed to provide comprehensive and up-to-date information about invasive plants in New England.

Kyle Port has a bachelor’s degree in environmental horticulture from Washington State University. He started working at the Arnold Arboretum as an intern in 1996 and is now manager of plant records.

Peter Pruyn is a member of the organizational development and training department at Tufts University. Before working at Tufts, he was an instructor at the NASA Johnson Space Center in Houston, a professional pilot, and a computer teacher in the Peace Corps. Peter studied computer science, computer graphics, and organizational behavior at Cornell University.

Nancy Sableski is the manager of children’s programs at the Arnold Arboretum. She is also an artist with a Bachelor of Fine Arts degree from the Massachusetts College of Art and a master’s degree in social work from Simmons College. Nancy ran the children’s programs at Boston Urban Gardeners before coming to the Arboretum in 2000.

Scott C. Sarfone, ASLA, is the principal and founder of Oasis Design Group. He is a registered landscape architect in six states and is certified by the Maryland Landscape and Nursery Association as a professional horticulturist and specialist in herbaceous perennials. His book, Professional Planting Design—An Architectural and Horticultural Approach for Creating Mixed Bed Plantings, was published in February 2007 by John Wiley & Sons.

Richard Schulhof is deputy director at the Arnold Arboretum, where he works with programs in horticulture, education, and long-range planning. A graduate of the University of Delaware’s program in botanic garden administration and museum studies, Schulhof served for six years as executive director of Descanso Gardens near Pasadena, California. His current work includes research regarding management response to hemlock woolly adelgid and associated forest disturbance.

Kim Smith draws on over twenty years experience as an interior and garden designer. Established in 1985, Kim Smith Designs works in collaboration with clientele to create highly individualized, livable spaces. Kim’s love of textiles drew her to interior design, and passion for flowers to garden design. Her book, Oh Garden of Fresh Possibilities!, will be available this spring.

Douglas Tallamy is professor and chair of the department of entomology and wildlife ecology at the University of Delaware in Newark. Chief among his research goals is to better understand the many ways insects interact with plants and how such interactions determine the diversity of animal communities. He is the author of Bringing Nature Home: How Native Plants Sustain Wildlife in Our Gardens.

Kathy Tracey and her husband Chris run Avant Gardens, their nursery in Dartmouth, Massachusetts, where they propagate what they sell. They grow choice plants that are often difficult to propagate and not commonly found in mass-market garden centers. Container plantings and display gardens around the 18th-century farmhouse where they live and work showcase their horticultural and design talents.

Deborah Trickett became a Master Gardener through the Massachusetts Horticultural Society in 2002, after which she started her container garden business The Captured Garden. Deborah is a founding member of the Tucker Outdoor Classroom Committee, which under the auspices of the Milton Public Schools seeks to strengthen the link between learning and the outdoors.

Tom Ward has a degree in botany from the University of Massachusetts and completed the horticulture program at the New York Botanical Garden School of Professional Horticulture. For the past twenty years he has worked at the Arnold Arboretum, where he is manager of the Dana Greenhouses. Tom lectures on an array of horticultural topics including viburnums, propagation, and environmental issues such as invasive plants, integrated pest management, and plant health care.
Registration Information

The Arnold Arboretum’s adult education program offers many types of classes for adult learners. These are listed chronologically with dates and times noted with each class description. Letters in brackets designate meeting places. See the key to meeting places on page 11. See page 10 for an overview of classes by topic. If you have questions, contact Pamela Thompson, manager of adult education, at 617.524.1718 x162.

Registration by Mail or Telephone

To register by mail for adult education classes, please complete the form on page 25 and 26. You may telephone your registration to the registrar at 617.524.1718 x160.

Registrations are processed upon receipt and confirmed in writing. You may pay by cash, check, or credit card (Visa, MasterCard, or American Express). If you are registering for more than one person, please attach a separate sheet with names, addresses, and telephone numbers. Note that all registrations, including those made by telephone using a credit card, will be confirmed in writing. Consider your registration to be complete when you have received written confirmation.

Mail registration form to:
Adult Education Department
Arnold Arboretum
125 Arborway
Boston MA 02130

Fees and Membership

Fees for classes are listed with each class description. Members receive a discount of up to twenty percent for most classes. If you are a current member, or if you are enclosing a new or renewed membership with this registration, you are entitled to pay the member rate. If our records do not indicate that your membership is current, we must charge for classes at the nonmember rate. Please write separate checks for membership and class registration. For more information, call 617.524.1718 x143 or visit our website at arboretum.harvard.edu.

Harvard University’s Tuition Assistance Plan (TAP) for faculty and staff may be applied only toward classes with class numbers preceded by “BOT,” “EDU,” “HOR.”

Children at Classes

We regret that it is not possible to include babies or children in classes designed for adults.

Parking for Classes at the Arboretum

Hunnewell Building [HB]
Monday through Friday, for daytime and evening classes, students may drive through the main gates and park in front of the Hunnewell Building if space is available. Otherwise parking is along the Arborway. For all weekend classes and events, the main gates remain closed and parking is along the Arborway.

Dana Greenhouse [DG]
For weekday, evening, and weekend classes, students may park in designated spaces and along the greenhouse drive in front of the Bonsai House unless otherwise directed. Do not block any entrances to the shrub and vine garden or access drives surrounding the greenhouse facility. Please do not park on the grass.

Note: At both locations be aware of Arboretum visitors (especially children), employees, and Arboretum equipment and vehicles when parking at and leaving our facilities.

Cancellations and Refunds

You may cancel a class registration and receive a partial refund by calling the adult education department five business days prior to the first class. With such cancellations, a $5.00 per class cancellation fee will be deducted. We regret that no refunds or credits can be given for withdrawals from classes in progress or for classes you have not attended.

If registration numbers are insufficient, we reserve the right to cancel a class. In this case, a full refund will be issued.

Weather Cancellations

Class cancellations due to inclement weather are announced by recorded message at 617.524.1718 x162. If you think that your class may have been canceled, please call the adult education department at this number.

Confirmation of Attendance

The adult education department does not maintain attendance records and cannot confirm your attendance at past class meetings. If you need proof of attendance at classes, you are responsible for obtaining your instructor’s signature at each class meeting. To request a list of all the Arboretum classes for which you have registered, please contact Pamela Thompson, manager of adult education, at 617.524.1718 x162.

Professional Credits

Certified members of the Association of Professional Landscape Designers (APLD), Massachusetts Certified Arborists (MCA), and Massachusetts Certified Landscape Professionals (MCLP) may earn continuing education units for attending selected Arnold Arboretum classes. These classes and the number of credits offered are indicated by the following: (APLD: #ceu) (MCA: #ceu) (MCLP: #ceu). Other courses may also be accepted for accreditation. Contact the accrediting organization for approval.

Tax Deductions

Income tax deductions may be allowed for education expenses undertaken to maintain and improve professional skills. Please consult your tax advisor.

Help us serve you!
Please register at least one week in advance.
Registration
Classes fill quickly. Please register early (please print).

NAME
STREET
CITY
STATE
ZIP
HOME PHONE
BUSINESS PHONE
EMAIL

Method of Payment
☐ Check or money order payable to the Arnold Arboretum
☐ VISA  ☐ MasterCard  ☐ American Express

AMOUNT (total from other side)
CREDIT CARD #  EXP. DATE
CARDHOLDER NAME
SIGNATURE

Are you a current member of the Arnold Arboretum?
☐ Yes  ☐ No  If yes, under what name is your membership listed?

Please suggest new course ideas or make comments below.

Registration by Mail or Telephone
To register for Arnold Arboretum classes, please complete this form. If you are registering for more than one person, please attach a separate sheet with names, addresses, and telephone numbers. Credit card registration may be made by telephone 617.524.1718 x160.

Registrations are processed upon receipt. You may pay by cash, check, or credit card (MasterCard, VISA, or American Express). All registrations will be confirmed in writing. Your registration is complete after you have received written confirmation.

Mail registration form to
Adult Education Department
Arnold Arboretum
125 Arborway
Boston MA 02130

If you are a current member, or if you are enclosing a new or renewed membership with this registration, you are entitled to pay the member’s discounted rate. If our records do not indicate that your membership is current, we must charge for classes at the nonmember rate.

Join the Friends of the Arnold Arboretum
☐ Yes! I wish to join the Friends of the Arnold Arboretum at the indicated level of membership.
☐ Student/Teacher $20
☐ Individual $35
☐ Household $50
☐ Sustaining $100
☐ Organization $150
☐ Sponsor $200
☐ Patron $500
☐ Benefactor $1000

My Name and Address (please print)
MR., MS., MRS.
STREET
CITY
STATE
ZIP

Payment can be made with a check, money order, or credit card (Visa, MasterCard, American Express only). Please make checks payable to the Arnold Arboretum and send a separate check for payment of classes. Students and teachers, please send a copy of your I.D. with this form.
☐ My check is enclosed  ☐ Please charge my credit card: ☐ Visa ☐ MasterCard ☐ American Express

CREDIT CARD #  EXP. DATE
CARDHOLDER NAME
PHONE
SIGNATURE

Please write separate checks for membership and class registration.
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<td>April</td>
<td>3</td>
<td>HOR 219 Private Spaces: Garden Redesign for Homeowners</td>
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<td>May</td>
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<td>WAL 120 Morning Bird Walk</td>
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<td>ART 160 Trees and Poetry</td>
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<td>ENV 400 Climate Change and New England's Natural Ecosystems</td>
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<td>ENV 526 Trees in the City: Key Players in Reducing Energy Usage and Enhancing Air</td>
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<td>HOR 328 Woody Plant Health Care: Identifying Insect Pests, Plant Diseases, and Stresses</td>
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<td>HOR 103 The 25 Most Common Trees in Boston</td>
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<td>WAL 213 Hemlock Hill Hike</td>
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<td>HOR 152 Species Roses: Care and Culture</td>
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<td>HOR 125 Vines for the Garden</td>
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<td>WAL 145 Bussey Hill Hike</td>
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<td>WAL 298 Health Care for Plants</td>
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<td>HOR 144B Shrubs By the Month</td>
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<td>WAL 224A In the Groves: A Summer Solstice Journey</td>
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<td>WAL 224B In the Groves: A Summer Solstice Journey</td>
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<td>BOT 127 Looking at Floral Structure</td>
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<td>WAL 205 Furrows, Cracks, and Gnarls: Old Trees</td>
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<td>HOR 144C Shrubs By the Month</td>
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<td>WAL 260 Butterflies of Summertime</td>
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<td>ART 118 Rendering Plants in Color</td>
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<td>HOR 144D Shrubs By the Month</td>
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<td>WAL 305 Native American Survival Skills</td>
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<td>WAL 297 On the Wing: Migratory Butterflies</td>
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<td>BOT 293 Invasive Plant Ecology</td>
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<td>HOR 143 Wintering-over Tender Plants</td>
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<td>25</td>
<td>BOT 100 Introduction to Botany</td>
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Please write separate checks for membership and class registration.

Thank You for Becoming a Friend of the Arnold Arboretum!

New members will be sent an introductory packet containing maps and information, the current issues of Arnoldia and Silva, a membership card(s), and a window decal. Please allow two to three weeks for processing. Call the membership office with any questions at 617.524.1718 x143. Please write your name as you would like it to appear on your member card(s):

MEMBER CARD

2nd MEMBER CARD
(household level and above only)

I would like to receive information about news/events via email.

EMAIL ADDRESS(ES)

Please give this membership application to a friend.

If you are a member already, thank you!
Breaking buds and glorious blooms signal the splendor of springtime. Fresh green leaves and cool pockets of shade ease us into the relaxing days of summer. An ever-changing landscape awaits you.
Special Events

Lilac Sunday
Arnold Arboretum
Sunday, May 11
10:00am-4:00pm

The Arnold Arboretum celebrates the 100th anniversary of this beloved Boston tradition. Join lilac enthusiasts from all over New England to celebrate. A dazzling array of over 180 kinds of lilacs with delightful fragrances and gorgeous colors—plus tours, dancing, art, music, children’s activities, and food (picnicking allowed on this special day only). On Lilac Sunday, the Arboretum is open as usual from dawn to dusk, with special activities from 10:00am until 4:00pm. Use of public transportation is strongly encouraged.

Lilacs—Visions of Spring
Hunnewell Building Lecture Hall
Arnold Arboretum
April 12–May 18

Reception with the artists
Saturday, April 12, 1:00–3:00pm

To celebrate the 100th Anniversary of Lilac Sunday the Arboretum is hosting a juried group art exhibition devoted to the lilac in all its splendor. Artists of various media bring lilacs indoors with a dazzling display of art. The glorious lilac and the Arboretum’s lilac collection are frequent subjects for artists and superbly represent the bounty of spring.

Birds and Bards Festival
Friday, May 2–Sunday, May 4

Spend the weekend exploring birds, poetry, and nature in over 1,000 acres of greenspace along Boston’s Emerald Necklace. Festival activities for children and adults are presented by the Arnold Arboretum, Mass Audubon’s Boston Nature Center, Forest Hills Educational Trust, Franklin Park Coalition, Franklin Park Zoo, and the Frederick Law Olmsted National Historic Site.

See www.massaudubon.org/boston for the full schedule of events and locations including bird walks, family activities, poetry recitals, special talks, and more.

At the Arboretum
Morning Bird Walk
Fri May 2, 7:00–8:30am

Enjoy an early morning walk with bird expert Bob Mayer in search of migrating birds amid the profusion of spring-flowering plants at the Arnold Arboretum. Novices as well as experienced birders are welcome. Meet at the Hunnewell Visitor Center.

Trees and Poetry
Sat May 3, 3:30–5:30pm

Stroll through the majestic spring landscape of the Arnold Arboretum on a guided journey with writer and poet Ethan Gilsdorf. Explore the creative writing process, tap into your imagination, and listen to tree-inspired poetry. Meet at the Hunnewell Visitor Center.

Note: The lecture hall is often used for meetings and classes. Please call 617.524.1718 x100 for exhibition availability. See page 30 for Visitor Center hours.
Experience the Arboretum in a new way—take a guided tour and gain a richer understanding of this special place. Trained docents point out seasonal highlights and tell you stories the plants would tell—if they could talk! Every tour is different; you'll hear about the science of trees, Arboretum history, future Arboretum plans, and seasonal highlights.

Tours begin in front of the Hunnewell Building unless otherwise noted, last around 90 minutes, and are geared toward adults. There is no need to register.

Private group tours, either on foot or by bus, are also available. For more information on private tours or for cancellation information due to inclement weather, call 617.524.1718.

The Magnificence of Trees: Photographs by Maria Muller
Hunnewell Building Lecture Hall
Arnold Arboretum
May 31–July 13

Reception with the artist
Saturday, May 31, 1:00–3:00pm

Every spring Maria Muller marvels at the unfurling of those first bright green buds. She has explored the Arboretum during the fleeting period when new leaves have yet to develop into their full canopy; when the trees’ form still can be seen—skeletons of trunks and branches—while the promise of the fecundity of summer looms large. Her hand-painted and black and white photographs are studies of trees and their intricate arrangements of branches, buds, and blossoms as winter gives way to spring.

Maria Muller is a fine art photographer based in Medford. She is represented by the Pucker Gallery, Boston. Her artwork is included in many private, public and corporate collections.

Guided Walking Tours

Free Tour Schedule

Saturdays at 10:30am
April 12, 26
May 3, 10, 17, 24, 31
June 7, 14, 21, 28
July 12, 26
August 9, 23
September 13, 27

Sundays at 1:00pm
April 20, 27
May 4, 18, 25
June 1, 8, 15, 22, 29
July 6, 20
August 3, 17
September 7, 21

Wednesdays at 12:15pm
April 23
May 7, 21
June 4, 18
July 2, 16, 30
August 13, 27
September 10, 24

Fridays at 6:00pm
May 2
June 6
August 1
September 5

Special Theme Tours

Fee free, advance registration is requested. See page 24 for registration information.

Signs of Spring
Nancy Sableski, Manager of Children’s Education
Sun April 13 1:00–2:30pm [HB]
See page 12 for details

Hemlock Hill: Global Changes in Local Places
Richard Schulhof, Deputy Director
Sat April 26 1:30–3:00pm [SSG]
See page 13 for details

The Explorers Garden
Michael Dosmann, Curator of Living Collections
Sat May 17 1:00–3:00 pm [HB]
See page 14 for details

Health Care for Plants
Julie Coop, Manager of Plant Health
Wed June 18 10:00–11:30am [HB]
See page 18 for details

Furrows, Cracks, and Gnarls: Celebrating Old Trees
Kyle Port, Manager of Plant Records
Tues July 15 10:00am–12:00noon [HB]
See page 19 for details
Family Fun

Explore the Arboretum and foster a sense of wonder about nature in your child. Be on the lookout for drop-in family activities in the Visitor Center (check our website for details: www.arboretum.harvard.edu). Or stretch your legs on a guided nature hike.

Take A Hike!
Nancy Sableski, School Programs Manager

Sun May 18: Peters Hill Hike; 12:30am–3:30pm
Sun June 8: Hemlock Hill Hike; 1:30am–3:30pm
Sun June 15: Bussey Hill Hike; 1:30am–3:30pm

You don’t have to leave the city to go on a hike in the woods! Take your children on a hike to the hills of the Arnold Arboretum, stretch your legs after a long winter, and share the changes that warmer weather brings to the natural world. We’ll look at the special flowers and trees of each hill and do some great naturalist activities like birdwatching, drawing, and using hand lenses to look at cool stuff up close. Bring water and a snack (and binoculars, if you have them), and wear sneakers or hiking boots and a hat. These hikes are appropriate for children from age 6 to 12 with an accompanying adult. Sign up for one hike or trek all three! Hikes are free, but advance registration is requested. Meet at the Hunnewell Visitor Center.

You Can Get There From Here!

Whether it’s your first visit to the Arboretum or you’re here every day, the recently installed maps and directional signs are sure to enhance your experience. Paths are labeled, destinations are highlighted, and map displays are right where you need them.

Let us know what you think of this landmark change! Email comments to visitorservices@arnarb.harvard.edu.

Getting Here

Visitor Parking & Driving Permits
Visitor parking is available around the Arboretum’s perimeter. No parking is allowed inside the Arboretum gates. Individuals with special needs or tour groups may request a driving permit at the Hunnewell Visitor Center, weekdays only, from 10:00 am to 2:30 pm. For more information please call 617.524.1718 x100. For parking for classes, see page 24.

Visitor Services
The Visitor Center, located in the Hunnewell Building, is open at the following times:
- Monday to Friday 9:00am to 4:00pm
- Saturday 10:00am to 4:00pm
- Sunday Noon to 4:00pm
- Holidays Closed

Services available in the Visitor Center include:
- Staff assistance to enrich your visit
- Maps and self-guided tour brochures
- Special exhibitions, including “Science in the Pleasure Ground” and seasonal art shows
- Bookshop, featuring a large selection of books and educational items for children and adults
- Restroom facilities
- Horticultural library, open Monday through Saturday 10:00am to 4:00pm. For more information, call 617.522.1086 or email hortlib@arnarb.harvard.edu.

Telephone: 617.524.1718 x100
See website for holiday closings.
For decades Chinese Path could be described as a pearl in an oyster—a delight to behold, but difficult to find. This beautiful area of Bussey Hill, such an important part of the Arboretum’s history and collections, needed a more accurate epithet, one that would attract more visitors and set clear expectations. Recently the Arnold Arboretum gave the area around and including Chinese Path a new name: the Explorers Garden.

When we installed a new sign system last winter, our primary goal was to help visitors navigate the Arboretum without confusion. Chinese Path posed several challenges to that goal. Not only were its entrances unmarked and inconspicuous, but the very name confused visitors, who for years have asked how it got its name and how its plantings were related to each other.

Although the name has been in use for decades, both “Chinese” and “Path” are misnomers. True, many of the plants are Chinese in origin, but there are also important plants from other countries in Asia and from North America. The oldest documented Franklinia alatamaha, the southeastern native tree (now extinct in the wild) discovered in 1765 and named in honor of Benjamin Franklin, is a perfect example of the confusion inherent in using “Chinese” in the name. Likewise, the term “Path” minimizes the significance of this gallery of legacy trees that includes historic specimens collected in China like the dove tree (Davidia involucrata var. vilmoriniana) and the paperbark maple (Acer griseum), as well as rare North American species such as the Florida yew (Taxus floridana).

“The name, ‘Explorers Garden,’ calls forth the true spirit of a remarkable gathering of plants,” says Richard Schulhof, deputy director, “and evokes the rich tradition of exploration and research that continues to this day at the Arboretum.” At least since 1904, when the cedars of Lebanon (Cedrus libani var. stenocoma) were planted—a species that had never before survived in Boston—the area has been recognized as a good spot to test plants of unknown or marginal hardiness gathered by plant explorers. From E. H. Wilson in the early 1900s to the Sino-American Botanical Expedition, begun in 1980 and continuing today, explorers have brought new plants to test in its favorable microclimate.

The new name, Explorers Garden, does not replace Chinese Path. The horseshoe-shaped path retains its name, but the area including the open lawn ringed by cedars of Lebanon and the glorious Chinese sand pear (Pyrus pyrifolia) will finally have a name that marks it as a destination and expresses the richness and historical significance of the collection. This season, discover the Explorers Garden on a guided tour or on your own. The plants listed below are just a sampling of the gems you’ll see.

April: Don’t miss the assorted winterhazels (Corylopsis spp.), with pendulous yellow flowers spilling onto the path.

May: The dove tree (Davidia involucrata var. vilmoriniana) demands a pilgrimage, as do the many varieties of tree peonies (Paeonia spp.).

June: The Chinese fringetree (Chionanthus retusus) located here has been called the finest specimen in the world—you be the judge.

July/August: The Poliothyrsis sinensis here is the only specimen that famed horticulturist Michael Dirr has ever seen in bloom. Don’t miss the large, fragrant clusters of white flowers in late summer offset by glossy green leaves.

September: Flowers and fall foliage at the same time—you won’t believe it until you see the champion Franklinia alatamaha in September.

Join Arboretum curator Michael Dosmann for a tour:

The Explorers Garden

Saturday, May 17 1:00-3:00pm [HB]

See page 14 for details. Free, but registration is requested.
The Arnold Arboretum grows 4,500 kinds of hardy trees, shrubs, and vines. They are arranged in botanical sequence and labeled with name and country of origin. Frederick Law Olmsted designed the grounds, and the plantings were laid out by Charles Sprague Sargent. Special plant collections include the Larz Anderson Bonsai Collection, the Bradley Rosaceous Collection, and the Leventritt Shrub and Vine Garden.

The grounds are open daily without charge from sunrise to sunset. For Visitor Center hours and services see page 30.
Warm Up To Spring!

Members' Tour Day
Saturday, May 31

Each spring the Arboretum hosts its annual day of walking tours for members of the Friends of the Arnold Arboretum. This year the event will be held on Saturday, May 31, from 10:00am to noon. We invite you to join us for an exploration of the landscape at the height of the flowering season. This is a wonderful opportunity to learn more about the Arboretum's vast living collection, tap into the expertise of our knowledgeable staff, and renew your spirit with the beauty of spring.

The event will begin with refreshments at the Hunnewell Building, followed by a selection of tours led by members of the living collections staff. Tours will last approximately two hours and may cover considerable ground. Participants should dress for the weather and wear comfortable walking shoes.

A save-the-date reminder with additional details will be mailed to members as the date approaches. Or sign up for our Enewsletter today at www.arboretum.harvard.edu and receive your reminder via email along with monthly updates on Arboretum news, events, and classes.

We hope you will join us on Saturday, May 31, to celebrate the always inspiring awakening of the landscape.

Members Make a Difference

Help us grow! Join the Friends of the Arnold Arboretum and receive:

- Free or discounted admission to gardens and arboreta worldwide
- Subscription to Arnoldia, our quarterly magazine of horticulture and botany, and Silva, our semiannual newsletter, adult education catalog, and visitor guide
- Admission and free plants at our Members’ Fall Plant Sale
- A 10% discount on books and gifts at the Arboretum bookstore
- Membership rate on courses and lectures
- Discount on plant purchases at participating nurseries

Please join today at one of the following membership levels to begin receiving your benefits. Additional benefits are offered at the Sustaining Level and above.

Student/Teacher . . . . $20
Individual . . . . . . . . . $35
Household . . . . . . . . . $50
Sustaining . . . . . . . . . $100
Organization . . . . . . . $150
Sponsor . . . . . . . . . . . $200
Patron . . . . . . . . . . . . $500
Benefactor . . . . . . . . $1000

Your membership helps support the care of our 265-acre landscape and living collections, research programs, and public and professional education.

Please contact the membership office at 617.524.1718 x143, or email membership@arnarb.harvard.edu for more information.
For a century, Lilac Sunday has celebrated the floral magnificence of the *Syringa* genus, currently represented in the living collection by 400 accessioned plants of almost 200 different kinds. Many of these are cultivars, selected for the combined horticultural merits of their parent plants. In the case of *Syringa 'Purple Haze'*, a new introduction by Arboretum propagator Jack Alexander, a strategic cross was attempted to investigate a scientific mystery—the search for the parent plants of the Persian lilac, *Syringa × persica*.

Based on its leaf and flower characteristics, some speculated that the unknown parent plants of *S. × persica* might be the cut-leaf lilac (*S. protolaciniata*) and the early flowering lilac (*S. oblata*). To test this theory, Jack crossed forced accessions of *S. protolaciniata* and *S. oblata var. dilatata* at the Dana Greenhouse in the winter of 1991. While the resulting seedlings were lovely, none resembled the Persian lilac. So the mystery of the Persian lilac’s origins required digging deeper—a task made possible by the Arboretum’s resources for genetic research. Arboretum taxonomist Jianhua Li performed DNA sequencing tests that suggest the plant is actually a cross of the common lilac (*S. vulgaris*) and the cut leaf lilac. While Jack’s propagation experiment may not have solved the puzzle, his resulting seedlings are fine specimen plants, and the only known living representatives of the cross. The six seedlings that survived to maturity were evaluated during flowering time in 2002, and the best among them was named *Syringa ‘Purple Haze’*.

Officially registered in 2006 with the the International Lilac Society, *Syringa ‘Purple Haze’* is a vigorous shrub featuring a rounded habit and medium to dark green foliage. Flowering occurs early in the season, coinciding with that of *S. × hyacinthiflora* cultivars. Its inflorescences are moderately fragrant, and as its name would indicate, pale purple in color. Because the plant does not set seed, its flowering is spectacular year after year without deadheading. The plant was distributed to Arboretum members in 2006 as the Spring Plant Dividend, and is expected to be promoted in the future as a part of the Arboretum’s Plant Introduction, Promotion and Distribution (PIPD) program.