The United States Botanic Garden (USBG) is a living plant museum. It is open daily from 10 a.m. to 5 p.m., free of charge. Exhibits interpret the role of plants in supporting earth’s diverse and fragile ecosystems and in enriching human life. Established by Congress in 1820, the U.S. Botanic Garden is one of the oldest botanic gardens in North America. The Garden has been administered through the Architect of the Capitol since 1934. It is an accredited museum by the American Alliance of Museums.

The U.S. Botanic Garden Conservatory is located on the National Mall at the intersection of Maryland Avenue and First Street SW, adjacent to the U.S. Capitol. The address is 100 Maryland Avenue SW, Washington, DC 20001.

The Conservatory houses permanent collections of plants from subtropical, tropical, Mediterranean and arid regions, and showcases orchids, medicinal, economic, endangered, and Jurassic plants. From late May to mid-October, the Conservatory terrace and interior galleries feature thematic displays and exhibits.

The National Garden is adjacent to the Conservatory. It features the Regional Garden, Rose Garden, First Ladies Water Garden, Butterfly Garden, and Amphitheater.

A showcase of beautiful, sustainable, and accessible landscape design, Bartholdi Park was renovated in 2016 using the principles of the Sustainable Sites Initiative™. The accessible garden design features native plants, water-conserving rain gardens, wildlife habitat, greater accessibility, and Frédéric Auguste Bartholdi’s historic Fountain of Light and Water.

Parking is not available at the U.S. Botanic Garden on weekdays. It is accessible by public transportation. The Federal Center SW Station on the Orange, Blue, and Silver Lines of Metrorail is at Third and D Streets SW, four blocks from the USBG. Metrobuses 32, 34, and 36 stop at Independence Avenue and First Street SW, between the Conservatory and Bartholdi Park. The DC Circulator Bus (National Mall route) stops across the street from the Conservatory on 3rd Street.

Free 45-minute highlight tours of the U.S. Botanic Garden Conservatory may be available on the day of your visit. Check at the information desk. Groups of 10 to 25 adults may reserve a tour of the Conservatory Monday through Friday by calling 202-226-2055 at least four weeks in advance.

The USBG strives to make its facilities and programs accessible to all visitors to ensure an enjoyable Garden visit. Wheelchairs, visitor guides in braille and large print formats, sign language interpretation, and hearing-aid compatible assistive listening devices for tours are all available upon request.

Visit our website for more info and to register for programs: www.USBG.gov/Programs

For More Information
General Information & Accessibility at the USBG: 202-225-8333
Register for Programs: 202-225-1116
Request Tours: 202-226-2055
Plant Hotline: 202-226-4785
Volunteer Opportunities: 202-226-8066
Media Inquiries: 202-226-4145
National Fund for the USBG: 202-225-1281 (or see pg. 58)
### AT A GLANCE

Programs are listed by starting date.

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<td>13</td>
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<td>14</td>
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<td>Fitness Event: Yoga in the Garden</td>
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<td>14</td>
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<td>Lecture: Intertwined Fates: Forests and Humanity</td>
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<td>Youth Event: Scout Day!</td>
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<td>18</td>
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<td>Tour: Horticultural Backstage Pass: The USBG Production Facility Collection Highlights</td>
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<td>18</td>
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<td>Tour: The Art and History of the USBG</td>
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<td>19</td>
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<td>Parent and Child Program: Snugglers</td>
<td>34</td>
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<td>Tour: Fun with Trees</td>
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<td>Lecture: Orchids in the Office</td>
<td>42</td>
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<td>Art Workshop: A Medieval Harvest: Painting with Watercolor and Gold Leaf on Vellum</td>
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<td>Tour: Rediscover Bartholdi Park!</td>
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<td>Tour: Phenomenal Plants: The USBG Medicinal Plants Collection</td>
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<td>Tour: Horticultural Backstage Pass: The USBG Orchid Collection</td>
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<td>Tour: Marvelous Morphology: Plant-Animal Interactions</td>
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<td>Cooking Demonstration: Autumn Harvest</td>
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<td>26</td>
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<td>Lecture: Regionally Adapted Plants for Mid-Atlantic Gardens</td>
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<td>Festival: Bat Bonanza!</td>
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**NOVEMBER**

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<td>7:00 p.m.</td>
<td>Special Event: Escape the Garden!</td>
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<td>1:00 p.m.</td>
<td>Tour: Medicinal and Poisonous Plants at the USBG</td>
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<td>Tour: Phenomenal Plants: The USBG Medicinal Plants Collection</td>
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<td>Tour: Operational Behind-the-Scenes at the USBG Conservatory</td>
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<td>Tour: Nature in Motion</td>
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<td>9</td>
<td>4:30 p.m.</td>
<td>Teacher Training: How Plants Work for Middle and High School Teachers</td>
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<td>Tour: Horticultural Backstage Pass: The USBG Production Facility Collection: Poinsettia Edition</td>
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<td>18</td>
<td>10:00 a.m.</td>
<td>Tour: Fall Tree Tour of Capitol Grounds</td>
<td>51</td>
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**EARLY JANUARY**

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<tr>
<td>9</td>
<td>10:30 a.m.</td>
<td>Children’s Program: Seedlings</td>
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<td>Children’s Program: Sprouts</td>
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<td>11</td>
<td>10:30 a.m.</td>
<td>Parent and Child Program: Snugglers</td>
<td>53</td>
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U.S. Botanic Garden
Conservatory
EXHIBITS

You Can Grow It!
THROUGH SEPTEMBER 17
CONSERVATORY GALLERY

The world of horticulture is for everyone--those with green thumbs and those green with envy. Growing and caring for plants might seem daunting, but this exhibit will help experienced and novice gardeners alike have more fruitful indoor and outdoor gardening experiences. Wander the Terrace and the exhibit Gallery to explore the basics of growing plants and investigate solutions for many common plant problems. Along the way, discover foolproof plants, learn about the right plant for the right place and person, and even pick up a few specialty horticulture techniques for plants requiring a little extra care. Whatever your skill level, You Can Grow It! has something for you!

Frightful Flora
THROUGH NOVEMBER 27
CONSERVATORY SOUTH LOBBY BETWEEN WORLD DESERTS AND MEDICINAL PLANTS

Plants have evolved to fend off herbivores, infection, and plant competitors using an array of morphological features and phytochemicals. Protective chemical compounds, although rarely evolving in direct response to humans, sometimes have negative consequences for people who come in contact with them, consume them, or in rare cases, just sit under them for shade. We often think of poison ivy and the castor oil plant (the source of ricin) as representative “toxic plants.” However, the number one botanical murderer is tobacco (Nicotiana tabacum), and allergies to plants such as tree nuts, peanuts, and soy turn excellent food sources into deadly toxins. Explore the Frightful Flora exhibit to learn more about toxic plants, their sordid pasts, and some of their beneficial uses.
Season’s Greenings: Roadside Attractions
NOVEMBER 23, 2017 THROUGH JANUARY 1, 2018

CONSERVATORY

This year, take a trip across America as our annual holiday show Season’s Greenings showcases Roadside Attractions! In our model train show, trains will chug around, below, through, and above plant-based recreations of iconic sights from across the United States. Explore classic attractions like Texas’ Cadillac Ranch, Colorado’s hot-dog-shaped Coney Island Hot Dog Stand, South Dakota’s Corn Palace, New Jersey’s Lucy the Elephant, and many more. View thousands of blooms throughout the Conservatory, including a showcase of heirloom and newly developed poinsettia varieties. Our collection of D.C. landmarks made from plant materials will return to fill the Garden Court, this year including a new addition—an inspired botanical version of the National Museum of African American History and Culture. Join us as we celebrate the holidays and America’s natural and cultural treasures. Please note: Due to the ongoing roof and facade project in the Conservatory, waiting time to enter this year’s holiday show may be longer than usual.
CELEBRATE THE 10TH ANNIVERSARY OF THE NATIONAL GARDEN

Join in celebrating the 10th anniversary of the National Garden this winter at the USBG. A natural extension of the U.S. Botanic Garden, the three-acre National Garden highlights the amazing diversity of American plants through the Mid-Atlantic Regional Garden, Rose Garden, and Butterfly Garden. Conceived as an outdoor laboratory for gardening in harmony with natural ecosystems, the National Garden opened in fall 2006.

Explore the National Garden through historic photos and videos and find associated programming, at www.USBG.gov/NationalGarden10
TOUR
Highlights from the Conservatory Collection
USBG Volunteer Docent

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao, and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research. Please note: This tour is offered throughout the month on various dates at various times. See listing below for date and time options.

MORNING TOUR
TIME: 10:30 a.m. to 11:30 a.m.
DATES: Mondays, September 11, 18, 25
       Thursdays, September 7, 14, 21, 28
       Fridays, September 1, 8, 15, 22, 29

LUNCHTIME TOUR
TIME: 12 p.m. to 1 p.m.
DATES: Mondays, September 11, 18, 25
       Tuesdays, September 5, 12, 19, 26
       Wednesdays, September 6, 13, 20, 27
       Fridays, September 1, 8, 15, 22, 29

AFTERNOON TOUR
TIME: 2 p.m. to 3 p.m.
DATES: Wednesdays, September 6, 13, 20, 27
       Thursdays, September 7, 14, 21, 28

LATE AFTERNOON TOUR:
TIME: 3 p.m. to 4 p.m.
DATES: Tuesdays, September 5, 12, 19, 26
       Thursdays, September 7, 14, 21, 28
       Fridays, September 1, 8, 15, 22, 29
       Sundays, September 10, 17, 24

LOCATION: Tours meet in the Conservatory Garden Court
FREE: No pre-registration required
CHILDREN’S PROGRAM

Seedlings
USBG Education Specialists

Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. Please note: Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities.

DATES: Tuesdays, September 5, 12, 19, 26
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, August 2 at 10 a.m.

CHILDREN’S PROGRAM

Sprouts
USBG Education Specialists

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. Please note: Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program.

DATES: Wednesdays, September 6, 13, 20, 27
TIMES: 10:30 a.m. to 11:30 a.m. and 1:30 p.m. to 2:30 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, August 2, at 10 a.m.
TOUR
The Art and History of the U.S. Botanic Garden
Susan Klusman, USBG Volunteer Docent

Ever wonder why the U.S. Botanic Garden Conservatory is located on its present site? What the architectural style of the building is? How Bartholdi’s Fountain became part of the USBG? Where many of the first plants in the Conservatory originated? This walking tour will explore how historical currents, architecture, sculpture, and landscape architecture came together to create this grand garden. Please note: The program is canceled if it rains.

DATES: Wednesdays, September 6, 13, 20
TIME: 2 p.m. to 3 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: No pre-registration required

PARENT & CHILD PROGRAM
Snugglers
Marjorie Abbot,
USBG Volunteer Docent

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly. Please note: You are welcome to arrive with a stroller, however due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

DATE (choose any or all of the following): Thursdays, September 7, 14, 21, 28
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR

Fun with Trees: Explore the USBG Outdoor Gardens and Trees
Alexandra Torres, ISA Certified Arborist and USBG Education Specialist

Are you a tree enthusiast or just interested in learning a bit more about the trees and gardens of the USBG? Join us on a walking tour of our outdoor gardens. Tree topics will range from interesting identifying features, historical fun facts, selection of trees to add interest and utility to the home, and gardening tips to get your trees growing to their full potential. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

DATE: Thursday, September 7
TIME: 10:30 a.m. to 11:30 a.m.

DATE: Thursday, September 21
TIME: 12 p.m. to 1 p.m.

LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs
COOKING DEMONSTRATION
Apples and Pears
Adrienne Cook, Gardening and Cooking Writer, and Danielle Cook, MS, Nutritionist and Cooking Instructor

Harbingers of fall, apples and pears are what we reach for now that the crisp days of fall are here. The world of apples and pears gets more expansive every year and the Cook Sisters will bring you great new ways to use these delicious cool-weather fruits. Please note: The 12:50 p.m. program is a repeat of the 12 p.m. program.

DATES: Thursdays, September 7, 28
TIMES: 12 p.m. to 12:45 p.m. and 12:50 p.m. to 1:30 p.m.
LOCATION: Conservatory Garden Court
FREE: No pre-registration required

FITNESS EVENT
Yoga in the Garden
Heather Markowitz, Founder, WithLoveDC

WithLoveDC is thrilled to offer their free yoga gatherings at the U.S. Botanic Garden; come flow with us! WithLoveDC is a movement to spread love, joy, and acceptance throughout the District. The Practice With Love classes aim to create an accessible space for all people to tune into their breath while enjoying the amazing spaces around our beautiful city. Please note: This program is first-come, first-served with limited space available. Visitors are encouraged to bring their own mats. There is no program on September 2.

DATES: Saturdays, September 9, 16, 23, 30
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: National Garden Lawn Terrace (Rain Location: Conservatory Gallery)
FREE: No pre-registration required
LECTURE
The Fascinating World of Carnivorous Plants
Todd Brethauer, USBG Science Education Volunteer

Few plants fascinate young and old alike more than carnivorous plants. The adaptation and ability of these 700+ plant species allows them to capture and digest insects and other small animals, which enables them to grow in nutrient-poor soils. Learn about the evolution, history, ecology, and physiology of the carnivorous plants of the world and how modern science is being applied to better understand them. Get hints on how to keep your carnivorous plants healthy and happy at home. Discover which carnivorous plant was a favorite of President Thomas Jefferson and which carnivorous plant was used by the surgeons in General George Washington’s Revolutionary War Army.

DATE: Saturday, September 9
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs

WORKSHOP
Creating Beautiful Autumn Containers
Angela Weber Hetrick, USBG Gardener, and Lee Coykendall, USBG Children’s Education Specialist

What better way to start thinking of that fall crisp air and all the seasonal color change than to start with the garden! Getting ready for autumn is always fun with a container that can be displayed on the front porch, deck, or patio. The container we create makes a great gift for any home or a hostess gift to bring to the party. Participants will learn how to care for the container and how to keep it blooming until our first frost. During the workshop each student will create their own small-sized container to take with them.

DATE: Sunday, September 10
TIME: 10:30 a.m. to 12:30 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
The USBG National Garden
Nancy Ragsdale, USBG Volunteer Docent

Learn about the history of the National Garden, plants butterflies like, native plants of the mid-Atlantic area, and roses that grow well in the Washington environment. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

DATES: Mondays, September 11, 18, 25
TIME: 3 p.m. to 4 p.m.
LOCATION: Tour will meet in the Lobby of the Conservatory
FREE: No pre-registration required

TOUR
Nature in Motion
Alexandra Torres, USBG Education Specialist, and Claire Alrich, Staff, National Fund for the U.S. Botanic Garden

Taking time to enjoy nature has been shown to reduce stress, increase productivity, and improve overall wellness. Join us on a guided nature walk of the USBG outdoor gardens that explores our relationship with plants and the natural world. Throughout this tour we will intermittently stop to connect with our bodies through guided stretching and calming exercises. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert). For the 5:30 p.m. tour, doors will open at 5:15 p.m.

DATE: Thursday, September 14
TIMES: 12 p.m. to 12:45 p.m. and 5:30 p.m. to 6:15 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs
CONCERT SERIES
American Roots Music
Various Artists

Come enjoy the Garden as you listen to the sounds of American roots music!
*Please note:* Limited seating available on a first-come, first-served basis.

**SEPTEMBER 14TH CONCERT:**
*David Bach, jazz*

A Baltimore/Washington D.C.-based keyboardist/composer, David is the recipient of two Gold records, winner of the 2004 Maryland State Art Council Performance Award, and winner of the 2016 Maryland Music Award for Best Jazz Artist. His band, The David Bach Consort, is a spirited group of artists that excite crowds with their unique musical entertainment, particularly when featured nationally and internationally on BET’s Jazz Central.

**SEPTEMBER 28TH CONCERT:**
*Jason Ricci, blues*

Named “Best Harmonica Player” at the 2010 Blues Music Awards, Jason Ricci has captured the blues world and made it his own. Onstage and in the studio, he is upfront with a big dose of modern style. A suave, charismatic showman, Ricci brings catchy original song-craftings that are seldom equaled, with a jumbo helping of southern fried boogie on the side.

**DATES:** Thursdays, September 14, 28
**TIME:** 5 p.m. to 7 p.m.
**LOCATION:** National Garden Amphitheater (Rain Location: Conservatory Garden Court)
**FREE:** No pre-registration required
WORKSHOP  
Low Sugar Jam Making  
*Maria McClellan, Author, Food in Jars*

Want to learn to adapt your favorite jam recipes to be just a little bit less sweet? Learn how to safely and deliciously can using reduced amounts of sugar with Maria, cookbook author and Food in Jars blogger. In this session, participants will collaboratively make a large batch of spiced plum jam using Pomona’s Pectin to ensure a set. Maria will also make sure that everyone knows how to properly employ the boiling water bath method for safe, shelf-stable preservation. All students will go home with the recipe and canning details, as well as a jar of the preserves they made in class that day. *Please note:* Registration will be limited to 20 participants.

**DATE:** Saturday, September 16  
**TIME:** 10:30 a.m. to 12:30 p.m.  
**LOCATION:** Conservatory Classroom  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs

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WORKSHOP  
Homemade Garden Salsa  
*Maria McClellan, Author, Food in Jars*

Is your garden bursting at the seams with tomatoes and peppers? In this workshop, you’ll learn how to safely and deliciously transform homegrown or farmers market produce into shelf-stable salsa. With cookbook author and Food in Jars blogger Maria at the helm, participants will collaboratively make a large batch of tomato-based salsa. Maria will also make sure that everyone knows how to properly employ the boiling water bath method for safe, shelf-stable preservation. All students will go home with the recipe and canning details, as well as a jar of the salsa they made in class that day. *Please note:* Registration will be limited to 20 participants.

**DATE:** Saturday, September 16  
**TIME:** 1:30 p.m. to 3:30 p.m.  
**LOCATION:** Conservatory Classroom  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs
WORKSHOP
Natural Bundle Dyeing
An-Phuong Ly, Textile Artist

In this workshop, participants will learn about various plants and flowers that can be used for natural dyeing and explore the ways in which color can be extracted. Using a method called eco-printing, in which plant matter is placed on top of fiber, bound, and then steamed, color and form are transferred to the cloth. Students will learn about the different ways to treat fiber in order for color to keep in the fabric, as well as the different types of materials that one can use with natural dyeing.

DATE: Sunday, September 17
TIME: 10 a.m. to 1 p.m.
LOCATION: National Garden Amphitheater (Rain Location: Conservatory Classroom)
FREE: Pre-registration required, visit www.USBG.gov/Programs

WORKSHOP
Introduction to Natural Dyes
An-Phuong Ly, Textile Artist

This workshop will cover the basics of creating a natural dye bath with foraged plants and flowers as well as dye extracts. Students will learn about various plants and flowers from which color can be pulled and create a dye bath together to practice the craft of immersion dyeing. Participants will learn different methods of tying and folding fabric to create a number of patterns. Students will learn how to prepare the fabric for dyes as well as the types of fiber that can be used with natural dyeing.

DATE: Sunday, September 17
TIME: 2 p.m. to 5 p.m.
LOCATION: National Garden Amphitheater (Rain Location: Conservatory Classroom)
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
Rediscover Bartholdi Park!
Ray Mims, USBG Conservation and Sustainability Horticulturist

Bartholdi Park has recently undergone a renovation to upgrade accessibility, safety, and sustainability. This walking tour will highlight the park’s history and new gardens, as well as the Sustainable SITES Initiative—a comprehensive rating system for sustainable landscapes, meant to encourage the design and development of healthy, productive landscapes. Tour participants will also hear about the Landscape for Life program that highlights these principles for home gardeners. Come join Ray, rain or shine! Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is cancelled in the event of extreme weather conditions, including thunderstorms.

DATE: Tuesday, September 19
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Tour meets by the Bartholdi Park fountain
FREE: Pre-registration required, visit www.USBG.gov/Programs

TOUR
Phenomenal Plants: The USBG Medicinal Plants Collection
Chelsea McKinley, USBG Gardener

Join Chelsea on a tour of this fascinating collection. Learn about a variety of different species used for medicinal purposes that are currently on display at the USBG Conservatory. Topics to be discussed include plant-derived compounds used in pharmaceuticals, species that have been used for hundreds of years in traditional medicine, and plants that can be found in the ingredients of over-the-counter products.

DATE: Wednesday, September 20
TIME: 10:45 a.m. to 11:30 a.m.
LOCATION: Tour meets in the Medicinal Plants house
FREE: Pre-registration required, visit www.USBG.gov/Programs
LECTURE
The Space in Between Project
*Margarita Cabrera, artist*

Space in Between is a community collaborative project that centers on promotion of cultural dialogues on themes related to community, immigration, labor practices, and cultural identity. It uses traditional sewing and embroidery techniques from Los Tenangos, Hidalgo, Mexico. This embroidered narrative element is combined in creative ways on the surface of desert plant sculptures. Join artist Margarita Cabrera as she discusses the fabrication of this project and the conversations it produces.

**DATE:** Friday, September 22  
**TIME:** 12 p.m. to 1 p.m.  
**LOCATION:** Conservatory Classroom  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs

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TOUR
Autumn Equinox Evening Tree Tour
*Melanie Choukas-Bradley, author of City of Trees and A Year in Rock Creek Park*

Spend the evening of the autumn equinox strolling through the Regional Garden where fall fruits are maturing and the first splashes of leaf color are beginning to show through. Learn to identify trees of the Mid-Atlantic Piedmont and Coastal Plain as you tour the Regional Garden with Melanie. She will teach you how to identify tupelo, hop-hornbeam, red buckeye, pawpaw, common persimmon, oaks, and many other native trees. She will also share some of the arboreal history of Washington, DC, which has long been known as the “City of Trees,” and offer ideas for self-guided tree tours in and around the nation’s capital. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

**DATE:** Friday, September 22  
**TIME:** 5 p.m. to 7 p.m.  
**LOCATION:** Tour meets by the entrance to the Conservatory on the Terrace  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs
FESTIVAL
Celebrate the National Garden!
USBG Staff and Volunteers

Come help us celebrate our very own National Garden! Highlighting the three acres of garden space adjacent to the Conservatory, this day-long festival showcases the amazing diversity of American plants through the Mid-Atlantic Regional Garden, Rose Garden, and Butterfly Garden with special activities and programs. Highlights include tasty treats with native plants, Rose Garden tours, hands-on activities for all ages, and much more!

DATE: Saturday, September 23
TIME: 10 a.m. to 4 p.m.
LOCATION: National Garden (Rain Location: Conservatory)
FREE: No pre-registration required

This program sponsored in part by the National Fund for the U.S. Botanic Garden.

TOUR
Marvelous Morphology: Flowers
Dr. Susan Pell, USBG Science and Public Programs Manager

Ever wonder what the spots on flower petals are for or what part of the flower forms a fruit? Join Susan on a tour of the Garden and discover flower structures and their various functions. Learn the parts of typical flowers and some unusual exceptions. Topics such as flower structure, identifying plants by their flowers, and floral diversity will be explored and explained.

DATE: Tuesday, September 26
TIME: 11 a.m. to 12 p.m.
LOCATION: Tour meets in the Conservatory Garden Court
FREE: Pre-registration required, visit www.USBG.gov/Programs
LECTURE
Slavic Trees
Radim Zenkl, Slavic Tree Enthusiast

Join Radim for this discussion of Slavic trees, their varieties, and how to recognize them. Of particular note will be the linden tree, which is the national tree of the Czech Republic. The program will feature samples of actual leaves from the featured trees.

DATE: Friday, September 29
TIME: 12 p.m. to 1 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
SPECIAL EVENT
Mandolin Music and More
Radim Zenkl, U.S. National Mandolin Champion

Join Radim for an evening of mandolin, mandola, ethnic flutes, didgeridoo, and vocal music. During this performance he will perform original music crossing the tracks of folk, bluegrass, jazz, new age, flamenco, gypsy, Irish, and classical music, combined with Czech and eastern European traditional songs and instrumentals. Along the way, Radim will talk about the specific woods used in the construction of his instruments, as well as his original “Zenkl style” technique, in which a single mandolin sounds like two.

DATE: Friday, September 29
TIME: 6:30 p.m. to 8:30 p.m.
LOCATION: Conservatory Garden Court
FREE: Pre-registration required, visit www.USBG.gov/Programs

LECTURE
Legumes: Life with Special Roots
Todd Brethauer, USBG Science Education Volunteer

What do giant trees of the tropical rainforest, the redbud in the garden, “peas in a pod,” and the key element of a revolution in agriculture all have in common? They are legumes! Come learn all about this plant family and the remarkable relationship that its many members establish with certain common soil bacteria that allows them to produce their own nitrogen fertilizer from the air.

DATE: Saturday, September 30
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
U.S. Botanic Garden volunteers have a common sense of purpose in identifying with the Garden’s mission of demonstrating the aesthetic, cultural, ecological, economic, and therapeutic importance of plants to humankind.

Volunteers can be professionals, hobbyists, retirees, or employed full-time. Volunteers must be at least 18 years of age. Through their time at the Garden, volunteers develop new skills, explore their personal interests, and make significant contributions that enable the Garden to fulfill its mission. Volunteering is a great way to meet others and connect with the community.

Have questions or want more information? Please contact the USBG Volunteer Coordinator at 202-226-8066.
TOUR
Highlights from the Conservatory Collection

USBG Volunteer Docent

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao, and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research. Please note: This tour is offered throughout the month on various dates at various times. See listing below for date and time options.

MORNING TOUR
TIME: 10:30 a.m. to 11:30 a.m.
DATES: Mondays, October 2, 16, 23, 30
       Thursdays, October 5, 12, 19, 26
       Fridays, October 6, 13, 20, 27

LUNCHTIME TOUR
TIME: 12 p.m. to 1 p.m.
DATES: Mondays, October 2, 16, 23, 30
       Tuesdays, October 3, 10, 17, 24, 31
       Wednesdays, October 4, 11, 18, 25
       Fridays, October 6, 13, 20, 27

AFTERNOON TOUR
TIME: 2 p.m. to 3 p.m.
DATES: Wednesdays, October 4, 11, 18, 25
       Thursdays, October 5, 12, 19, 26

LATE AFTERNOON TOUR
TIME: 3 p.m. to 4 p.m.
DATES: Tuesdays, October 3, 10, 17, 24, 31
       Thursdays, October 5, 12, 19, 26
       Fridays, October 6, 13, 20, 27
       Sundays, October 8, 15, 22, 29

LOCATION: Tours meet in the Conservatory Garden Court
FREE: No pre-registration required
TOUR
The USBG National Garden
Nancy Ragsdale, USBG Volunteer Docent

Learn about the history of the National Garden, plants butterflies like, native plants of the mid-Atlantic area, and roses that grow well in the Washington environment. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert). There is no tour scheduled for October 9.

DATES: Mondays, October 2, 16, 23, 30
TIME: 3 p.m. to 4 p.m.
LOCATION: Tour will meet in the Lobby of the Conservatory
FREE: No pre-registration required

CHILDREN’S PROGRAM
Seedlings
USBG Education Specialists

Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. Please note: Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities. The October session is a repeat of the September session.

DATES: Tuesdays, October 3, 10, 17, 24
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, September 6 at 10 a.m.
CHILDREN’S PROGRAM
Sprouts
USBG Education Specialists

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. Please note: Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program. The October sessions are a repeat of the September sessions.

DATES: Wednesdays, October 4, 11, 18, 25
TIMES: 10:30 a.m. to 11:30 a.m. and 1:30 p.m. to 2:30 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, September 6 at 10 a.m.

PARENT & CHILD PROGRAM
Snugglers
Marjorie Abbot, USBG Volunteer Docent

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly. Please note: You are welcome to arrive with a stroller, however due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

DATE (choose any or all of the following): Thursdays, October 5, 12, 19, 26
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
Fun with Trees: Explore the USBG Outdoor Gardens and Trees
Alexandra Torres, ISA Certified Arborist and USBG Education Specialist

Are you a tree enthusiast or just interested in learning a bit more about the trees and gardens of the USBG? Join us on a walking tour of our outdoor gardens. Tree topics will range from interesting identifying features, historical fun facts, selection of trees to add interest and utility to the home, and gardening tips to get your trees growing to their full potential. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains. Tour on October 19 is a repeat of the program on October 5.

DATES: Thursdays, October 5, 19
TIME: 12 p.m. to 1 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs
LECTURE
A History of Spices
Todd Brethauer, USBG Science Education Volunteer

The botany, geography, ecology, and economics of spice production, combined with human lust for spice consumption have conspired over the centuries to make fortunes for a few and launched the great voyages of discovery that changed the lives of many. Learn how pepper, allspice, cinnamon, cloves, and nutmeg, once affordable only for the very rich, have become part of our daily lives. Todd will cover the production, processing, and history of spices with plants from the USBG collection.

DATE: Monday, October 9
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs

TOUR
Medicinal and Poisonous Plants at the USBG
Beth Burrous, Biochemist and USBG Volunteer Docent

Many important medicines are derived from plants, but too much of a good thing can be dangerous. During a walking tour of the Conservatory, Beth will feature poisonous and medicinal plants growing at the USBG. She will talk about famous, interesting, and sometimes fatal cases of poisoning by plants. You will also see and learn about plants used to make lifesaving medicines.

DATE: Monday, October 9
TIME: 1 p.m. to 2 p.m.
LOCATION: Tour meets in the Conservatory Garden Court
FREE: No pre-registration required
TOUR
Fall Beauty
Adam Pyle, USBG Horticulturist

Just when the summer heat is winding down, choosing the right plants for your garden can have things heating up. Explore the gardens of the USBG and see some of our favorite plants that really shine in autumn. Many plants put on quite a show with vivid foliage, bountiful blooms, and more!

DATE: Tuesday, October 11
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Tour meets in the Conservatory Garden Court
FREE: Pre-registration required, visit www.USBG.gov/Programs

DEMONSTRATION
Orchid Repotting
Eric Leavitt, USBG Gardener, and Justin Kondrat, USBG Gardener

What type of potting medium do orchids prefer? How large should the container be? At what stage of growth should they be repotted? Join Eric and Justin, expert gardeners with the USBG’s orchid collection, as they demonstrate orchid repotting and answer your questions about orchid culture. Please note: This is an ongoing demonstration and chairs will not be provided. The program at 11:45 is a repeat of the program at 10:30.

DATE: Wednesday, October 11
TIMES: 10:30 a.m. to 11:15 a.m. and 11:45 a.m. to 12:30 p.m.
LOCATION: Conservatory Tropics Overlook
FREE: No pre-registration required
TOUR

The Art and History of the U.S. Botanic Garden
Susan Klusman, USBG Volunteer Docent

Ever wonder why the U.S. Botanic Garden Conservatory is located on its present site? What the architectural style of the building is? How Bartholdi’s Fountain became part of the USBG? Where many of the first plants in the Conservatory originated? This walking tour will explore how historical currents, architecture, sculpture, and landscape architecture came together to create this grand garden. *Please note:* The program is canceled if it rains.

**DATES:** Wednesdays, October 11, 18, 25
**TIME:** 2 p.m. to 3 p.m.
**LOCATION:** Tour meets by the entrance to the Conservatory on the Terrace
**FREE:** No pre-registration required

TOUR

Operational Behind-the-Scenes at the U.S. Botanic Garden Production Facility
Ian Donegan, USBG Facility Manager

Join Ian and see what it takes to keep the USBG Production Facility functioning properly, from the various types of water used and ventilation needs of the Garden to the intricate steam systems and controls of the different environmental zones. Take a peek behind-the-scenes during this lively tour and experience the life of USBG Operations personnel. *Please note:* Please wear comfortable shoes, bring water, and dress in layers, as the Production Facility may become quite warm. Directions to the Production Facility can be found with the online listing.

**DATE:** Thursday, October 12
**TIME:** 10:30 a.m. to 11:30 a.m.
**LOCATION:** Tour meets in the lobby of the Production Facility
**FREE:** Pre-registration required, visit www.USBG.gov/Programs
TOUR
Nature in Motion
Alexandra Torres, USBG Education Specialist,
and Claire Alrich, Staff, National Fund for the U.S. Botanic Garden

Taking time to enjoy nature has been shown to reduce stress, increase productivity, and improve overall wellness. Join us on a guided nature walk of the USBG outdoor gardens that explores our relationship with plants and the natural world. Throughout this tour we will intermittently stop to connect with our bodies through guided stretching and calming exercises. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

DATE: Thursday, October 12
TIME: 12 p.m. to 12:45 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs

COOKING DEMONSTRATION
Autumn Harvest
Adrienne Cook, Gardening and Cooking Writer,
and Danielle Cook, MS, Nutritionist and Cooking Instructor

Hard on the heels of summer’s bounty, the autumn harvest ushers in the sweetness of hard-shelled squash, the richness of potatoes—sweet or fluffy—and the robustness of hardy greens, comfort food at its healthy best. The Cook Sisters will bring you recipes featuring as many elements of fall bounty as time will allow. Please note: The 12:50 p.m. program is a repeat of the 12 p.m. program.

DATES: Thursdays, October 12, 26
TIMES: 12 p.m. to 12:45 p.m. and 12:50 p.m. to 1:30 p.m.
LOCATION: Conservatory Garden Court
FREE: No pre-registration required
TEACHER TRAINING
How Plants Work for Elementary School Teachers
Lee Coykendall, USBG Children’s Education Specialist

Wondering how to incorporate more plant science into your classroom? Join Lee for a behind-the-scenes workshop and learn how to use the Garden as an extension of your classroom. This workshop is designed for elementary school teachers.

DATE: Thursday, October 12
TIME: 4:30 p.m. to 7 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs

FITNESS EVENT
Yoga in the Garden
Heather Markowitz, Founder, WithLoveDC

WithLoveDC is thrilled to offer their free yoga gatherings at the U.S. Botanic Garden; come flow with us! WithLoveDC is a movement to spread love, joy, and acceptance throughout the District. The Practice With Love classes aim to create an accessible space for all people to tune into their breath while enjoying the amazing spaces around our beautiful city. Please note: This program is first-come, first-served with limited space available. Visitors are encouraged to bring their own mats. There is no program on October 7.

DATES: Saturdays, October 14, 21, 28
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: National Garden Lawn Terrace (Rain Location: Conservatory Gallery)
FREE: No pre-registration required
LECTURE
Intertwined Fates: Forests and Humanity
Beth Burrous, Biochemist and USBG Volunteer Docent

The earth’s environment is constantly changing, impacting human health, food supplies, and livelihoods. Join Beth as she traces the history of world forest distribution and composition. Come learn about the countless benefits people derive from local and faraway forests and how human behavior impacts forests. Using scientific data, Beth will discuss how changing climates impact the future of forests and humanity.

DATE: Saturday, October 14
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs

YOUTH EVENT
Scout Day!
Lee Coykendall, USBG Children’s Education Specialist, and Alexandra Torres, USBG Education Specialist

Join us for Scout Day! Participate in hands-on activities in our two outdoor gardens—the National Garden and Bartholdi Park. Designed for boy and girl scouts, this program is fun for everyone—scout’s honor! Please note: This program is being held outside. Please dress accordingly. In the event of rain the program will only occur indoors. If you participated in other USBG scout events this year, please note these are new activities.

DATE: Sunday, October 15
TIME: 2 p.m. to 4 p.m.
LOCATION: National Garden Amphitheater
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
Horticultural Backstage Pass: The USBG Production Facility Collection Highlights
USBG Staff

Go behind-the-scenes on this guided horticultural highlights tour of the U.S. Botanic Garden Production Facility. Featuring almost two acres of greenhouses, this facility is the largest support facility for a public garden in the U.S. Explore unique and unusual plants from the USBG collection and witness gardeners and horticulturists in action. Please note: This is a working greenhouse facility. Some rooms may not be available for viewing due to horticultural need. Please wear comfortable shoes, bring water, and dress in layers, as greenhouse bays may become quite warm. Directions to the facility can be found with the online listing.

DATE: Wednesday, October 18
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Tour will meet at the entrance to the Production Facility
FREE: Pre-registration required, visit www.USBG.gov/Programs

LECTURE
Orchids in the Office
Barbara Schmidt, Author

Growing orchids in an office comes with its own unique challenges. Office environments do not always provide the best growth conditions for orchids. This class touches upon the types of conditions orchids need to grow and bloom, how to integrate these into an office setting, and what orchid genus will fare best in an office environment.

DATE: Friday, October 20
TIME: 12 p.m. to 1 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs

This program sponsored by the National Fund for the U.S. Botanic Garden.
ART WORKSHOP
A Medieval Harvest: Painting with Watercolor and Gold Leaf on Vellum
Jean Brinton Jaecks, Artist

The USBG’s rich collection of autumn flowers and plants as well as pumpkins, gourds, pods, berries, and insects will be the subject matter for this watercolor workshop on vellum. Since antiquity, the beautiful grain and luminescence quality of vellum has been a preferred support for artists. Students will learn the art of 23k gold leaf to be used as a border or embellishment to their design. The focus of this workshop will be careful observation and a sensitive interpretation of your subject. Explore watercolor glazing and textural techniques while working on vellum. Please note: This is a two-day workshop. Doors will open at 8:45 a.m. each morning. A materials list can be found with the online listing. A materials fee of $70 is included in the cost of the workshop. The fee covers the cost of the gold leaf, preparatory materials, and a 6 x 8 inch botanical finish sheet of vellum, to be provided by the instructor. Please bring a lunch.

DATE: Saturday and Sunday, October 21 and 22
TIME: 9 a.m. to 4:30 p.m.
LOCATION: Conservatory Classroom
FRIENDS: $220
NON-MEMBERS: $245
Pre-registration required, visit www.USBG.gov/Programs

This program sponsored by the National Fund for the U.S. Botanic Garden.
TOUR
Rediscover Bartholdi Park!
_Ray Mims, USBG Conservation and Sustainability Horticulturist_

Bartholdi Park has recently undergone a renovation to upgrade accessibility, safety, and sustainability. This walking tour will highlight the park’s history and new gardens, as well as the Sustainable SITES Initiative—a comprehensive rating system for sustainable landscapes, meant to encourage the design and development of healthy, productive landscapes. Tour participants will also hear about the Landscape for Life program that highlights these principles for home gardeners. Come join Ray, rain or shine! Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is cancelled in the event of extreme weather conditions, including thunderstorms.

**DATE:** Tuesday, October 24  
**TIME:** 10:30 a.m. to 11:30 a.m.  
**LOCATION:** Tour meets by the Bartholdi Park fountain  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs

TOUR
Phenomenal Plants: The USBG Medicinal Plants Collection
_Chris McKinley, USBG Gardener_

Join Chelsea on a tour of this fascinating collection. Learn about a variety of different species used for medicinal purposes that are currently on display at the USBG Conservatory. Topics to be discussed include plant-derived compounds used in pharmaceuticals, species that have been used for hundreds of years in traditional medicine, and plants that can be found in the ingredients of over-the-counter products.

**DATE:** Wednesday, October 25  
**TIME:** 10:45 a.m. to 11:30 a.m.  
**LOCATION:** Tour meets in the Medicinal Plants house  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs
**TOUR**

**Horticultural Backstage Pass: The USBG Orchid Collection**

*Justin Kondrat, USBG Gardener*

Join Justin for a glimpse into the horticultural wonders of the USBG’s orchid collection. Tour the greenhouse, learn potting techniques, get advice, and hear explanations of collections management. Don’t miss out on this wonderful behind-the-scenes opportunity! *Please note:* This is a working greenhouse facility. Some rooms may not be available for viewing due to horticulture need. Please wear comfortable shoes, bring water, and dress in layers, as greenhouse bays may become quite warm. Directions to the Production Facility can be found with the online listing.

**DATE:** Thursday, October 26  
**TIME:** 10:30 a.m. to 11:30 a.m.  
**LOCATION:** Tour meets in the lobby of the Production Facility  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs

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**TOUR**

**Marvelous Morphology: Plant-Animal Interactions**

*Dr. Susan Pell, USBG Science and Public Programs Manager*

Ever wonder why flowering plants are so diverse? Plant-animal interactions have driven diversification for over 90 million years. Join Susan on a tour of the Garden and discover vegetative, flower, and fruit structures that facilitate plant-animals interactions. Topics such as fruit dispersal, pollination methods, and vegetative adaptations for animals will be explored and explained.

**DATE:** Thursday, October 26  
**TIME:** 11 a.m. to 12 p.m.  
**LOCATION:** Tour meets in the Conservatory Garden Court  
**FREE:** Pre-registration required, visit www.USBG.gov/Programs

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**Masdevallia ‘Sunny Delight’**
LECTURE
Regionally Adapted Plants for Mid-Atlantic Gardens
Kathy Jentz, Editor/Publisher of Washington Gardener Magazine

Time and time again, certain plants have proven themselves in the Mid-Atlantic. Low-maintenance gardening is the goal of many busy area gardeners and the key is planting the right plants for the local climate. Join Kathy as she discusses native plants and explores the tried-and-true plants that can take clay soil, deer, and/or periods of drought. Season-by-season, she’ll share her favorite plants that excel in local gardens.

DATE: Friday, October 27
TIME: 12 p.m. to 1 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required

FESTIVAL
Bat Bonanza!
USBG Staff and Volunteers

Come as a bat, come as a plant pollinated by a bat, or simply join us and learn about bats. There will be bat-related activities throughout the Conservatory—come and learn why bats matter!

DATE: Saturday, October 28
TIME: 10 a.m. to 5 p.m.
LOCATION: Conservatory
FREE: No pre-registration required

Echinacea purpurea
TOUR
Highlights from the Conservatory Collection
USBG Volunteer Docent

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao, and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research. Please note: This tour is offered throughout the month on various dates at various times. See listing below for date and time options.

MORNING TOUR
TIME: 10:30 a.m. to 11:30 a.m.
DATES: Monday, November 6
Thursdays, November 2, 9
Fridays, November 3, 10

LUNCHTIME TOUR
TIME: 12 p.m. to 1 p.m.
DATES: Monday, November 6
Tuesday, November 7
Wednesdays, November 1, 8
Fridays, November 3, 10

AFTERNOON TOUR
TIME: 2 p.m. to 3 p.m.
DATES: Wednesdays, November 1, 8
Thursdays, November 2, 9

LATE AFTERNOON TOUR
TIME: 3 p.m. to 4 p.m.
DATES: Tuesday, November 7
Thursdays, November 2, 9
Fridays, November 3, 10
Sunday, November 5

LOCATION: Tours meet in the Conservatory Garden Court
FREE: No pre-registration required
SPECIAL EVENT
Escape the Botanic Garden!
*USBG Staff & Volunteers*

Back by popular demand! You are being summoned to the U.S. Botanic Garden to solve a plant forensics case! As part of a team, you will be challenged to investigate the Conservatory after dark, using exploratory stations to discover clues and information that might be key to the case. Even while enjoying the food and drink, your mission must not be shared with the others in the building as the suspect might be among us. *Please note:* This event is the same challenge as presented in March. It is intended for those 21 years of age and older. Small bites and beverages will be provided. Doors will open at 6:45 p.m.

**DATE:** Friday, November 3  
**TIME:** 7 p.m. to 9:30 p.m.  
**LOCATION:** Conservatory  
**MEMBERS:** $40  
**NON-MEMBERS:** $45  
Pre-registration required, visit www.USBG.gov/Programs

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TOUR
Medicinal and Poisonous Plants at the USBG
*Beth Burrous, Biochemist and USBG Volunteer Docent*

Many important medicines are derived from plants, but too much of a good thing can be dangerous. During a walking tour of the Conservatory, Beth will feature poisonous and medicinal plants growing at the USBG. She will talk about famous, interesting, and sometimes fatal cases of poisoning by plants. You will also see and learn about plants used to make lifesaving medicines.

**DATE:** Monday, November 6  
**TIME:** 1 p.m. to 2 p.m.  
**LOCATION:** Tour meets in the Conservatory Garden Court  
**FREE:** No pre-registration required
TOUR
Phenomenal Plants: The USBG Medicinal Plants Collection
Chelsea McKinley, USBG Gardener

Join Chelsea on a tour of this fascinating collection. Learn about a variety of different species used for medicinal purposes that are currently on display at the USBG Conservatory. Topics to be discussed include plant-derived compounds used in pharmaceuticals, species that have been used for hundreds of years in traditional medicine, and plants that can be found in the ingredients of over-the-counter products.

DATE: Wednesday, November 8
TIME: 10:45 a.m. to 11:30 a.m.
LOCATION: Tour meets in the Medicinal Plants house
FREE: Pre-registration required, visit www.USBG.gov/Programs

TOUR
Operational Behind-the-Scenes of the U.S. Botanic Garden Conservatory
Ian Donegan, USBG Facility Manager

Join Ian and see what it takes to keep the USBG Conservatory functioning properly, from the various types of water used and ventilation needs of the Garden to the intricate steam systems and controls of the different environmental zones. Take a peek behind-the-scenes during this lively tour and experience the life of USBG Operations personnel.

DATE: Thursday, November 9
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Tour meets in the Conservatory Garden Court
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
Nature in Motion
Alexandra Torres, USBG Education Specialist, and Claire Alrich, Staff, National Fund for the U.S. Botanic Garden

Taking time to enjoy nature has been shown to reduce stress, increase productivity, and improve overall wellness. Join us on a guided nature walk of the USBG outdoor gardens that explores our relationship with plants and the natural world. Throughout this tour we will intermittently stop to connect with our bodies through guided stretching and calming exercises. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. Tour is canceled if it rains.

DATE: Thursday, November 9
TIME: 12 p.m. to 12:45 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs

TEACHER TRAINING
How Plants Work for Middle and High School Teachers
Lee Coykendall, USBG Children’s Education Specialist

Wondering how to incorporate more plant science into your classroom? Join Lee for a behind-the-scenes workshop and learn how to use the Garden as an extension of your classroom. This workshop is designed for middle and high school teachers.

DATE: Thursday, November 9
TIME: 4:30 p.m. to 7 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
TOUR
USBG Staff

Go behind-the-scenes on this guided highlights tour of the U.S. Botanic Garden Production Facility. Featuring almost two acres of greenhouses, this facility is the largest support facility for a public garden in the U.S. Explore unique and unusual plants from the USBG collection, with specific attention to the holiday poinsettia collection, and witness gardeners and horticulturists in action. Please note: This is a working greenhouse facility. Some rooms may not be available for viewing due to horticultural need. Please wear comfortable shoes, bring water, and dress in layers, as greenhouse bays may become quite warm. Directions to the facility can be found with the online listing.

DATE: Wednesday, November 15
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Tour will meet at the entrance to the Production Facility
FREE: Pre-registration required, visit www.usbg.gov

TOUR
Fall Tree Tour of the Capitol Grounds
Melanie Choukas-Bradley, author of City of Trees and A Year in Rock Creek Park

Autumn is a magnificent time to appreciate the architecture and colorful foliage of the historic trees that grace the U.S. Capitol grounds. Stroll around the Capitol, admiring and learning about grand old tree specimens from around the country and the world, including many official state trees and memorial plantings. Melanie will focus on autumn fruits and leaves, and teach how to identify diverse species of oak, maple, beech, buckeye, and many other trees. She will share history of the Capitol Grounds and the city of Washington. Binoculars optional, but recommended. Participants are encouraged to bring their own brown bag lunch to enjoy with Melanie after the tour. Please note: This tour is held outdoors. We suggest bringing sunscreen, protective clothing, and water. The tour is canceled if it rains. Hearing aid compatible assistive listening devices are available during the tour.

DATE: Saturday, November 18
TIME: 10 a.m. to 1 p.m.
LOCATION: Tour meets by the entrance to the Conservatory on the Terrace
FREE: Pre-registration required, visit www.USBG.gov/Programs
UPCOMING PROGRAMS
Mark your calendars for these programs in early January!

CHILDREN’S PROGRAM
Seedlings
USBG Education Specialists

Join us for four weeks of hands-on plant science for our Seedlings class (ages 6–10). Each week we will explore the amazing world of plants through science, art, and scientific inquiry. Please note: Seedlings is designed for a more advanced level of plant science education. For the benefit of all participants, we request that only children ages 6 and up attend and participate in class activities.

DATES: Tuesdays, January 9, 16, 23, 30
TIME: 10:30 a.m. to 12 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, December 6 at 10 a.m.
CHILDREN’S PROGRAM
Sprouts
USBG Education Specialists

Dig in to plants with your preschooler (ages 3-5). Join us for four weeks of art, science, and a walking adventure in our gardens as we explore the fascinating world of plants. Please note: Children must be accompanied by an adult. Participating children must be at least 3 years of age. The 1:30 p.m. program is a repeat of the 10:30 a.m. program.

DATES: Wednesdays, January 10, 17, 24, 31
TIMES: 10:30 a.m. to 11:30 a.m. and 1:30 p.m. to 2:30 p.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required*, visit www.USBG.gov/Programs
*Please note: Registration opens on Wednesday, December 6 at 10 a.m.

PARENT & CHILD PROGRAM
Snugglers
Marjorie Abbot, USBG Volunteer Docent

Do you have a tiny treasure in a snuggly? Looking for ways to get out of the house and learn? Join us each Thursday for a 45-minute guided tour of the Conservatory. Each week will be a different exploration. This program is designed for parents and care providers who have a tiny one in a snuggly. Please note: You are welcome to arrive with a stroller, however due to our narrow paths and the nature of this program, we cannot support strollers or older siblings during the actual program.

DATE (choose any or all of the following):
Thursdays, January 11, 18, 25
TIME: 10:30 a.m. to 11:30 a.m.
LOCATION: Conservatory Classroom
FREE: Pre-registration required, visit www.USBG.gov/Programs
CALENDAR OF EVENTS

Chrysanthemum
GARDEN TOURS
ON YOUR MOBILE PHONE

Use your mobile phone to have a private tour of the Garden and plants at the United States Botanic Garden.

PHONE CALL OPTION
1. Dial the tour number: 202-730-9303.
2. Enter the stop number on the sign.

SMARTPHONE OPTION
1. Dial the tour number: 202-730-9303.
2. You will be sent a text message with instructions for streaming audio.

QR CODE OPTION
Scan the QR codes on the signs with your smart phone or tablet.

CONSERVATORY
  1 USBG Brief History
  10 Garden Court
  30 Rare & Endangered Plants
  50 Orchids
  60 Medicinal Plants
  70 World Deserts
  80 Hawaii
  90 Garden Primeval
 100 Plant Adaptation
120 Children’s Garden
130 The Tropics
140 Southern Exposure

NATIONAL GARDEN
  700 National Garden Overview
  705 Regional Garden
  710 Butterfly Garden
  715 Rose Garden
  720 Piedmont vs. Coastal Plain
  725 Stream
  730 Cycle of Fire
  735 Sustainability
  740 Amphitheater
  745 First Ladies Water Garden
  750 Lawn Terrace

You may hang up and redial the tour at any time. During the tour, you can control the audio by pressing 1 to rewind the recording, 2 to pause/play the recording, or press # to skip the recording.

Normal fees apply to your call.
BECOME A JUNIOR BOTANIST!

Visit the U.S. Botanic Garden and check out a Junior Botanist Adventure Kit.

Your adventure will begin in the Garden Court and continue throughout the Conservatory. You will be challenged to use all of your senses to discover just how amazing plants really are. It often takes multiple visits to the Garden to complete all of the activities. Backpacks may be checked out by an adult with a picture ID. After your adventures, stop at our Visitor Desk to return the backpack and receive your Apprentice Junior Botanist badge. You will continue your botanic adventures at home with a trip to the grocery store and a walk around your neighborhood.

Once all activities are completed, you will mail your booklet to our botanist for review. Upon successful completion of the activities, Junior Botanists will receive a certificate signed by our botanist, a field journal, an explorer’s lens, and an invitation for a behind-the-scenes tour of our greenhouses with our botanist. The program is free. Please note: Schools may complete all activities in one visit by assigning small groups to different rooms. Schools must reserve Junior Botanist kits in advance by contacting our Children’s Education Specialist at lcoykend@aoc.gov.
Physalis alkekengi
The National Fund for the United States Botanic Garden was initially established as a 501(c)3 in 1989 to fund and build the National Garden. The National Fund now supports the educational activities of the USBG, including the Hands On Plant Science (HOPS) summer program, the National Garden Internship, Landscape for Life, and D.C. Teachers Night.

Partners in Education
The U.S. Botanic Garden and the National Fund for the United States Botanic Garden jointly sponsor public programs. Registration fees for programs are administered by the Fund. These fees allow the Garden to provide a range of educational programs, led by outstanding instructors and lecturers. Please consider becoming a Friend of the National Fund to help support the U.S. Botanic Garden’s many on-site educational programs and events.

Contributions are tax-deductible. Membership benefits are listed below:

**FRIEND** ($75 per year)
- Complimentary admission for you and your family to the Holiday Show Preview event
- Discounted registration fees for programs sponsored by the USBG
- National Fund Newsletter

**JUNIOR FRIEND** (for First Friends under 40; $150 per year)
- All benefits listed previously plus:
- Two complimentary admissions to the spring Cocktails in the Garden event

**FIRST FRIEND** ($250 per year)
- All benefits listed previously

**NATIONAL FRIEND** ($500 per year)
- All benefits listed previously plus:
- Two additional admissions (4 total) to the spring Cocktails in the Garden event

**CAPITOL FRIEND** ($1,000 per year)
- All benefits listed previously plus:
- Two additional admissions (6 total) to the spring Cocktails in the Garden event

To learn more visit [www.nfusbg.org/membership](http://www.nfusbg.org/membership)
About Registration

- Class sizes are limited. Early registration is recommended.
- To register online for programs, go to the U.S. Botanic Garden website at www.USBG.gov/Programs.
- To register by mail, complete the form and send to:
  Registrar, U.S. Botanic Garden
  245 First St SW
  Washington, DC 20515
- To register by telephone with a credit card, call 202-225-1116.
- Registration fees must be paid in advance. Payment cannot be accepted at the door.
- The U.S. Botanic Garden reserves the right to substitute instructors or cancel programs when necessary.
- Registration fees will be refunded only in the case of program cancellation by the U.S. Botanic Garden.

### USBG Program Registration Form

```markdown
Name: Mr. & Mrs./Mr./Ms./Dr.  
Street Address  
City       State ZIP  
Phone (Required) Daytime   Evening  
E-mail Address  

**Please indicate (X)**
- [ ] I am a current FRIEND.
- [ ] I would like to become a FRIEND: $75
- [ ] I would like to become a JUNIOR FRIEND: For First Friends under 40; $150 per year
- [ ] I would like to become a FIRST FRIEND: $250
- [ ] I would like to become a NATIONAL FRIEND: $500
- [ ] I would like to become a CAPITOL FRIEND: $1,000
- [ ] I am not interested in membership at this time

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<th>Program Title</th>
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FRIEND membership _____________________  
Total Fees _____________________

Make check payable to **NFUSBG** or charge to:  
- [ ] Visa  
- [ ] Mastercard  
- [ ] Discover

Card Number   Expiration Date  
Signature
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