



UNITED STATES BOTANIC GARDEN

# Calendar of Events

MARCH - MAY 2016



# The United States Botanic Garden

**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 the East Gallery 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.

**Bartholdi Park** will be closed. It will reopen this summer after the gardens and hardscapes around the fountain are renovated. The project will improve accessibility and sustainability and is following the Sustainable SITES Initiative, a system of criteria for sustainable landscape design and construction emphasizing the use of native American plants.

**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 3<sup>rd</sup> Street.

Free 45-minute highlight **tours** of the U.S. Botanic Garden Conservatory may be available on the day of your visit. Please check at the Visitor Information Desk upon your arrival. Groups of 10 to 25 adults may reserve a free 45-minute guided 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](http://www.usbg.gov)**  
**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: 202-226-1047

Media Inquiries: 202-226-4145

cover image: *Laelia anceps*

# AT A GLANCE

Programs are listed by starting date.

DATE	TIME	TITLE	PAGE
MARCH			
1	10:30 a.m.	Children's Program: Seedlings	12
1	2:00 p.m.	Tour: An Afternoon in the Garden	12
2	10:30 a.m.	Children's Program: Sprouts	13
2	12:00 p.m.	Lunchtime Tour of the Conservatory	13
3	10:30 a.m.	Parent & Child Program: Snugglers	14
4	12:00 p.m.	Lunchtime Tour of the Conservatory	13
5	9:00 a.m.	Art Workshop: An Introduction to Silk Painting	14
5	10:30 a.m.	Tour: Winter Tree Tour of the Capitol Grounds	15
5	10:30 a.m.	Fitness Event: Yoga Gathering	15
7	12:00 p.m.	Lunchtime Tour of the Conservatory	13
8	2:00 p.m.	Tour: An Afternoon in the Garden	12
9	12:00 p.m.	Lunchtime Tour of the Conservatory	13
10	10:30 a.m.	Parent & Child Program: Snugglers	14
10	12:00 p.m.	Cooking Demonstration: Spring Roots	16
10	12:50 p.m.	Cooking Demonstration: Spring Roots	16
11	12:00 p.m.	Lecture: The Natural World of Winnie-the-Pooh	16
11	12:00 p.m.	Lunchtime Tour of the Conservatory	13
12	10:00 a.m.	Special Event: Production Facility Open House	17
12	10:30 a.m.	Fitness Event: Yoga Gathering	15
13	1:30 p.m.	Youth Workshop: Orchids in Focus	18
13	3:30 p.m.	Youth Workshop: Orchids in Focus	18
14	12:00 p.m.	Lunchtime Tour of the Conservatory	13
15	12:00 p.m.	Tour: Medicinal and Poisonous Plants at the USBG	9
15	2:00 p.m.	Tour: An Afternoon in the Garden	18
16	12:00 p.m.	Lunchtime Tour of the Conservatory	13
17	10:30 a.m.	Parent & Child Program: Snugglers	14
18	12:00 p.m.	Lunchtime Tour of the Conservatory	13
19	10:30 a.m.	Lecture: Creating Stunning Plant Communities	19
19	10:30 a.m.	Fitness Event: Yoga Gathering	15
20	10:00 a.m.	Children's Program: Kites and Pollinators Take Flight	19

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## AT A GLANCE

DATE	TIME	TITLE	PAGE
21	12:00 p.m.	Lunchtime Tour of the Conservatory	13
22	10:30 a.m.	Tour: Marvelous Morphology	20
22	2:00 p.m.	Tour: An Afternoon in the Garden	12
23	12:00 p.m.	Lunchtime Tour of the Conservatory	13
24	10:30 a.m.	Parent & Child Program: Snugglers	14
24	12:00 p.m.	Cooking Demonstration: Spring Roots	16
24	12:50 p.m.	Cooking Demonstration: Spring Roots	16
24	6:30 p.m.	Workshop: Orchids Up Close	20
25	12:00 p.m.	Lunchtime Tour of the Conservatory	13
28	12:00 p.m.	Lunchtime Tour of the Conservatory	13
29	2:00 p.m.	Tour: An Afternoon in the Garden	12
30	12:00 p.m.	Lunchtime Tour of the Conservatory	13
31	10:30 a.m.	Parent & Child Program: Snugglers	14
31	4:30 p.m.	Teacher Training: How Plants Work	21

### APRIL

1	10:30 a.m.	Children's Program: Climb the Bee Tree	21
1	12:00 p.m.	Lunchtime Tour of the Conservatory	22
1	12:00 p.m.	Lecture: The Reason for Flowers	22
2	10:30 a.m.	Lecture: Stone Fruits	23
2	10:30 a.m.	Fitness Event: Yoga Gathering	23
2	1:00 p.m.	Meet the Artists: Flora of the National Parks	24
3	1:30 p.m.	Children's Program: The Art and Science of the Cherry Blossom	24
4	12:00 p.m.	Lunchtime Tour of the Conservatory	22
5	10:30 a.m.	Children's Program: Seedlings	25
5	2:00 p.m.	Tour: An Afternoon in the Garden	25
6	10:30 a.m.	Children's Program: Sprouts	26
6	12:00 p.m.	Lunchtime Tour of the Conservatory	22
7	10:30 a.m.	Parent & Child Program: Snugglers	26
7	12:00 p.m.	Cooking Demonstration: Top to Toe	27
7	12:50 p.m.	Cooking Demonstration: Top to Toe	27
8	10:30 a.m.	Songs and Storytime with Miss Maryland	27
8	12:00 p.m.	Lunchtime Tour of the Conservatory	22

DATE	TIME	TITLE	PAGE
8	12:00 p.m.	Lecture: A Photographer's Quest for North America's Wild Orchids	28
8	6:30 p.m.	Special Event: What's the Buzz? The Science of Fermentation and Mead	29
9	10:30 a.m.	Lecture: Serenity by Design	29
9	10:30 a.m.	Fitness Event: Yoga Gathering	23
9	2:00 p.m.	Lecture: Ghost Orchids	30
10	1:30 p.m.	Lecture: Art and Nature	30
11	12:00 p.m.	Lunchtime Tour of the Conservatory	22
12	12:00 p.m.	Tour: Medicinal and Poisonous Plants at the USBG	31
12	2:00 p.m.	Tour: An Afternoon in the Garden	25
13	12:00 p.m.	Lunchtime Tour of the Conservatory	22
14	10:30 a.m.	Parent & Child Program: Snugglers	26
15	12:00 p.m.	Lecture: Orchid Photography	31
15	12:00 p.m.	Lunchtime Tour of the Conservatory	22
16	9:00 a.m.	Art Workshop: Painting Glowing Orchids in Watercolor	32
16	10:30 a.m.	Fitness Event: Yoga Gathering	23
16	1:00 p.m.	Open House: Volunteer at the USBG!	33
18	12:00 p.m.	Lunchtime Tour of the Conservatory	22
19	10:30 a.m.	Tour: Explore with the Executive Director	33
19	2:00 p.m.	Tour: An Afternoon in the Garden	25
20	12:00 p.m.	Lunchtime Tour of the Conservatory	26
21	10:30 a.m.	Parent & Child Program: Snugglers	34
21	6:30 p.m.	Special Event: The Herbal Aperitif	34
22	10:00 a.m.	Open House: Celebrate Earth Day!	34
22	12:00 p.m.	Lunchtime Tour of the Conservatory	22
23	10:00 a.m.	Tour: Spring Trees of the Capitol Grounds	35
23	10:30 a.m.	Lecture: The Beauty and Botany of Monocot Spring Flowers	36
23	10:30 a.m.	Fitness Event: Yoga Gathering	23
23	2:00 p.m.	Lecture: The Flora of Central Park, New York City	37
25	12:00 p.m.	Lunchtime Tour of the Conservatory	22
26	2:00 p.m.	Tour: An Afternoon in the Garden	25
27	12:00 p.m.	Lunchtime Tour of the Conservatory	22
28	10:30 a.m.	Parent & Child Program: Snugglers	26
28	12:00 p.m.	Cooking Demonstration: Top to Toe	27

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## AT A GLANCE

DATE	TIME	TITLE	PAGE
28	12:50 p.m.	Cooking Demonstration: Top to Toe	27
29	12:00 p.m.	Lunchtime Tour of the Conservatory	22
30	10:30 a.m.	Fitness Event: Yoga Gathering	23

MAY			
2	12:00 p.m.	Lunchtime Tour of the Conservatory	38
3	10:30 a.m.	Children's Program: Seedlings	38
3	2:00 p.m.	Tour: An Afternoon in the Garden	39
4	10:30 a.m.	Children's Program: Sprouts	39
4	12:00 p.m.	Lunchtime Tour of the Conservatory	38
6	10:30 a.m.	Celebrating Public Gardens: The USBG National Garden	40
6	12:00 p.m.	Lecture: The Gardening Easy Button	41
6	12:00 p.m.	Lunchtime Tour of the Conservatory	38
7	10:30 a.m.	Workshop: Into the Field: Observation and Sketching Outdoors	41
7	10:30 a.m.	Fitness Event: Yoga Gathering	42
8	11:00 a.m.	Mother's Day Tour of the Rose Garden	42
8	1:30 p.m.	Children's Program: Celebrate Mother's Day at the USBG!	43
9	12:00 p.m.	Lunchtime Tour of the Conservatory	38
10	12:00 p.m.	Tour: Medicinal and Poisonous Plants at the USBG	43
10	2:00 p.m.	Tour: An Afternoon in the Garden	38
11	12:00 p.m.	Lunchtime Tour of the Conservatory	38
12	12:00 p.m.	Cooking Demonstration: Mighty Alliums	44
12	12:50 p.m.	Cooking Demonstration: Mighty Alliums	44
13	12:00 p.m.	Lunchtime Tour of the Conservatory	38
14	10:30 a.m.	Fitness Event: Yoga Gathering	42
16	12:00 p.m.	Lunchtime Tour of the Conservatory	38
17	2:00 p.m.	Tour: An Afternoon in the Garden	39
18	12:00 p.m.	Lunchtime Tour of the Conservatory	38
18	12:30 p.m.	Tour: The Bees in Your Backyard	44
19	12:15 p.m.	Tour: Nature in Motion	45
20	12:00 p.m.	Lecture: Where are All the Wildflowers?	44
20	12:00 p.m.	Lunchtime Tour of the Conservatory	38
20	3:00 p.m.	Tour: The USBG Rose Garden	46
21	10:00 a.m.	Demonstration: Lei-Making	47
21	10:30 a.m.	Tour: The USBG Rose Garden	46

DATE	TIME	TITLE	PAGE
21	10:30 a.m.	Lecture: The Fascinating World of Carnivorous Plants	47
21	10:30 a.m.	Fitness Event: Yoga Gathering	42
23	12:00 p.m.	Lunchtime Tour of the Conservatory	37
24	2:00 p.m.	Tour: An Afternoon in the Garden	39
25	12:00 p.m.	Lunchtime Tour of the Conservatory	38
26	12:00 p.m.	Cooking Demonstration: Mighty Alliums	44
26	12:50 p.m.	Cooking Demonstration: Mighty Alliums	44
27	12:00 p.m.	Lunchtime Tour of the Conservatory	38
31	2:00 p.m.	Tour: An Afternoon in the Garden	39

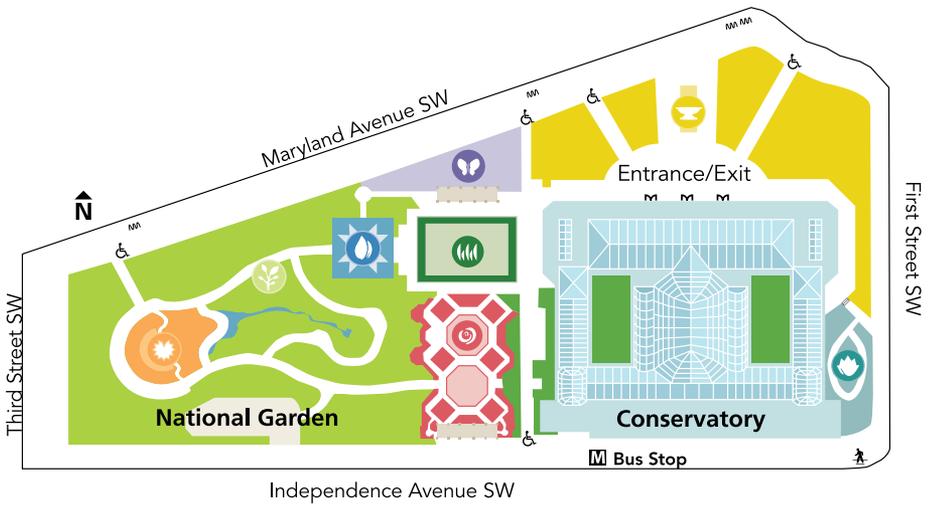
### EARLY JUNE

2	12:15 p.m.	Tour: Nature in Motion	48
3	12:00 p.m.	Lecture: Hawaii: A Botanical Paradise in the Middle of the Sea	48
4	10:30 a.m.	Workshop: Horticultural Therapy	49

*Epicatanthe* Volcano  
Trick 'Orange Fire'



# U.S. Botanic Garden



Amphitheater



Butterfly Garden



First Ladies Water Garden



Lawn Terrace



Regional Garden



Rose Garden



Rain Garden



Terrace Gardens

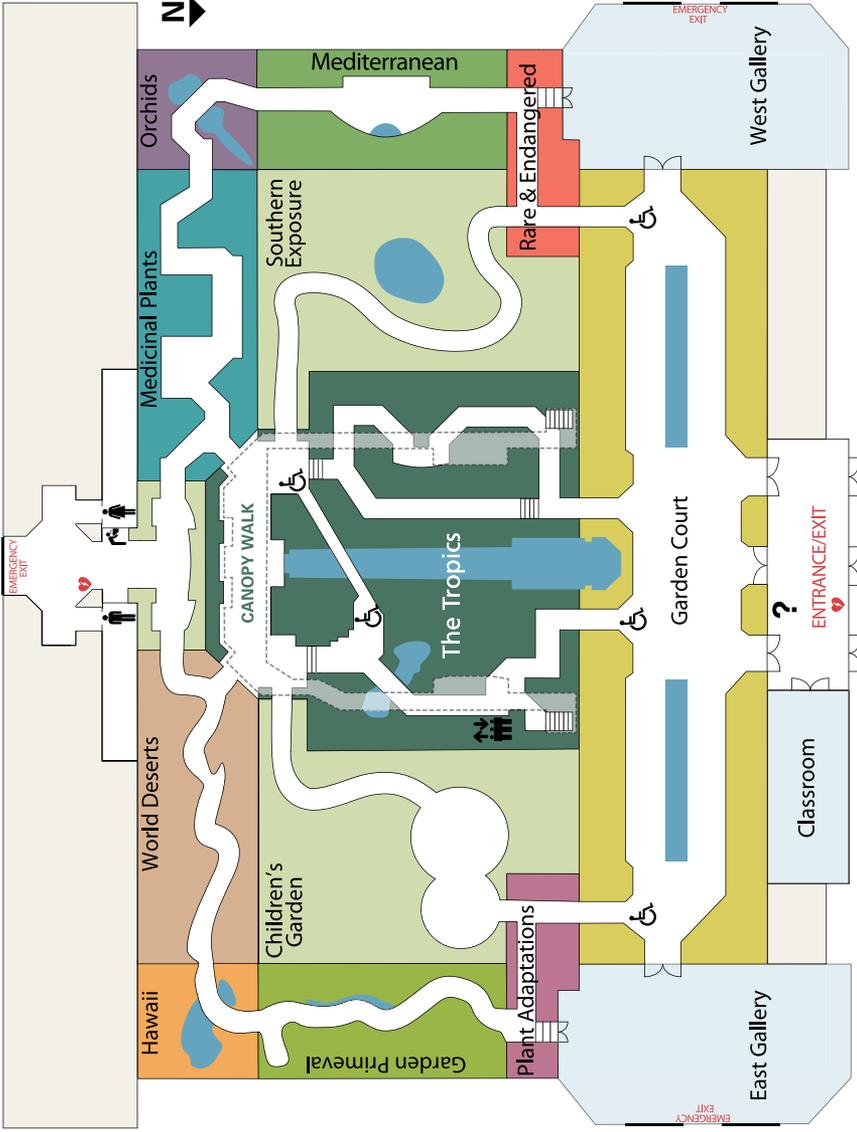


Bartholdi Fountain



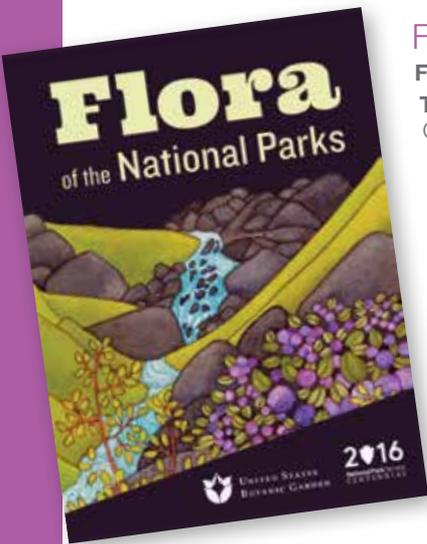
-  Accessible Route
-  Bicycle Parking
-  Pedestrian Crosswalk

# Conservatory



Rest Rooms 
 Water Fountain 
 Information 
 Elevator 
 Accessible Route 
 Automated External Defibrillator (AED)

# EXHIBITS



## Flora of the National Parks

**FEBRUARY 18**

**THROUGH OCTOBER 2**

CONSERVATORY WEST GALLERY

In celebration of the 100th anniversary of the National Park Service, this art exhibit will showcase some of the plant species and communities found throughout the more than 400 national parks. From giant redwoods and aspen forests to endangered Virginia spiraea and water lilies, the national parks contain a diverse representation of the North American flora. Illustrations, paintings, and photographs will be included in this exhibit that will take you on a tour of the beauty and importance of the American flora.

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## Orchids in Focus

**FEBRUARY 27 THROUGH APRIL 17**

CONSERVATORY GARDEN COURT AND EAST GALLERY

*Orchids in Focus*, in partnership with Smithsonian Gardens, highlights the world's largest plant family and the USBG's most extensive plant collection. Found on every continent except Antarctica, orchids amaze with their diversity of forms and colors. Come see for yourself why these exotic beauties have inspired artists and photographers for centuries. Immerse yourself in a floral paradise of orchids from the forest canopy down to the ground, and focus your own camera on these unique and beautiful plants.

*Phalaenopsis*  
cultivar



## Flourish: Inside and Out

**MAY 21 THROUGH OCTOBER 2**  
CONSERVATORY TERRACE  
& EAST GALLERY

From a walk in the woods to strolling through a park, and from gardening at home to visiting a public garden, therapeutic horticulture, nature therapy, and accessible gardening connect people to nature and themselves. Come learn how nature can improve human health and well-being. Demonstrated through accessible gardens, adaptive tools, engaging programs, and vignettes showcasing the intersection of humans and nature, a visit to the Garden this spring will highlight how people flourish through interactions with plants. This exhibit is a collaboration with the Chicago Botanic Garden's Buehler Enabling Garden and will excite and motivate visitors to find their place through nature!



# PROGRAMS

*Programs are listed by start date.*

## CHILDREN'S PROGRAM

### Seedlings

*Lee Coykendall, USBG Children's Education Specialist*

Come learn just how amazing plants really are during our Seedlings class (ages 6–10). Each week will be a mix of hands-on investigations, planting projects, and science-based activities. *Please note:* Students must be at least 6 years of age and accompanied by an adult. 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 share in class activities.



**DATES:** Tuesdays, March 1, 8, 15, 22

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\*

*\*Please note: Registration opens on Wednesday, February 3 at 10 a.m.*

## TOUR

### An Afternoon in the Garden

*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 medical plant research.

**DATES:** Tuesdays, March 1, 8, 15, 22, 29

**TIME:** 2 p.m. to 3 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** No pre-registration required



## CHILDREN'S PROGRAM

### Sprouts

*Lee Coykendall, USBG Children's Education Specialist*

Bring your preschooler (ages 3-5) to the U.S. Botanic Garden for plant-related fun. Each Wednesday session will have varied activities that may include a story, art activity, or walk in the Garden. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age.

**DATES:** Wednesdays, March 2, 9, 16, 23

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\*

*\*Please note: Registration opens on Wednesday, February 3 at 10 a.m.*

## TOUR

### Lunchtime Tour of the Conservatory

*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 medical plant research.

**DATES:** Mondays, March 7, 14, 21, 28  
Wednesdays, March 2, 9, 16, 23, 30  
Fridays, March 4, 11, 18, 25

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** No pre-registration required



**PARENT & CHILD PROGRAM****Snugglers***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:* Due to our narrow paths and the nature of this program, we cannot support strollers or older siblings.

**DATE** (choose any or all of the following): Thursday, March 3, 10, 17, 24, 31

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**WORKSHOP****An Introduction to Silk Painting**

*Mary Ellen Carsley, Professional Artist/Illustrator and Visual Arts Coordinator at Severn School*

This workshop explores the fundamentals of silk painting using orchids as the focus of study. Open to students of all experience levels, the workshop includes basic drawing and water-based media painting techniques with a study of values to capture form. Basic plant morphology, history of botanical illustration and silk painting, as well as simple color theory and an exploration of composition principles in both Eastern and Western art traditions will be discussed. *Please note:* A materials list can be found with the online listing. Please bring a lunch.

**DATE:** Saturday and Sunday, March 5-6

**TIME:** 9 a.m. to 4:30 p.m.

**LOCATION:** Conservatory Classroom

**FRIENDS:** \$150

**NON-MEMBERS:** \$175

Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

## TOUR

## Winter Tree Tour of the Capitol Grounds

Melanie Choukas-Bradley, Author of *City of Trees*



Winter is the best time to appreciate the architecture of the historic trees gracing the U.S. Capitol grounds. Stroll around the Capitol with Melanie Choukas-Bradley, admiring and learning about its magnificent trees from around the country and the world. Learn to identify Kentucky coffee-trees, Japanese pagoda trees, beeches, magnolias and dogwoods during winter. Melanie will focus on the

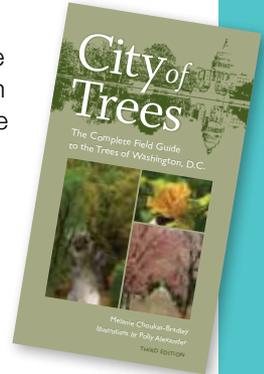
bark, buds, and overall growth habit of grand old trees, including many official state trees and memorial plantings. Giant sequoias and a massive willow oak are among the trees on the tour. Melanie will share history of the Capitol grounds and the city of Washington throughout the tour. *Please note:* This tour is held outdoors. Please come prepared to be outside in the winter weather. The tour is canceled if it rains or snows.

**DATE:** Saturday, March 5

**TIME:** 10 a.m. to 1 p.m.

**LOCATION:** Tour will meet in front of the USBG Conservatory entrance on the Terrace

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



## FITNESS EVENT

Practice with Love Yoga Gatherings:  
Stop and Smell the Roses

Heather Markowitz, Founder, WithLoveDC

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. WithLoveDC is thrilled to bring their free yoga gatherings to the U.S. Botanic Garden; come flow with us! *Please note:* This program is first-come, first-served with limited space available. Visitors are encouraged to bring their own mats. *Please note:* There is no class scheduled on March 26.

**DATES:** Saturday, March 5, 12, 19

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Conservatory West Gallery

**FREE:** No pre-registration required



**DEMONSTRATION****Spring Roots**

*Adrienne Cook, Gardening and Cooking Writer, and Danielle Cook, MS, Nutritionist and Cooking Instructor*

Potatoes, radishes, and turnips are nosing up out of the ground in the coming weeks. Join the Cook Sisters for a class on how to grow and prepare these for wonderful spring dishes. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.



**DATES:** Thursday, March 10 and 24

**TIME:** 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

**LECTURE****The Natural World of Winnie-the-Pooh: A Walk Through the Forest that Inspired the Hundred Acre Wood**

*Kathryn Aalto, American Landscape Designer, Historian, Writer and Lecturer*



Join Kathryn Aalto for a lively and illustrative talk focused on the flora and fauna of Ashdown Forest, the real setting where Winnie-the-Pooh, Christopher Robin and their friends had their daring Expeditions. From kings to commoners, Ashdown Forest is manmade—a fascinating and highly-protected natural *and* literary landscape shaped over a thousand years by people and their activities. This has resulted in rare flora and fauna which fascinated

Charles Darwin, W.B. Yeats, Ezra Pound and, of course, A. A. Milne. Learn also how in his later years, the real Christopher Robin helped preserve the landscape he made famous and which people around the world cherish. The photographer for her book, Kathryn will share images from her adventures writing *The Natural World of Winnie-the-Pooh: A Walk in the Forest that Inspired the Hundred Acre Wood*.

**DATE:** Friday, March 11

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



## SPECIAL EVENT

### U.S. Botanic Garden Production Facility Open House

*USBG Staff and Volunteers*

**\*\*Not to be Missed!\*\*** Rarely does the public get to see our growing facility, the largest greenhouse complex supporting a public garden in the United States. The site, completed in 1994, includes 85,000 square feet under glass, divided into 34 greenhouse bays and 16 environmental zones. In addition to foliage and nursery crops, you'll see all of the USBG collection not currently on display, including orchids, medicinal plants, carnivorous plants, and rare and endangered species. Register for one of the open house times to get a brief orientation to the facility, meet the gardeners, ask questions, and wander through this working wonderland of plants. *Please note:* Limit of 50 people per entry time. Light snacks and beverages will be provided. No registrations will be taken at the door. The Open House ends at 2:30 p.m.

**DATE:** Saturday, March 12

**ENTRY TIMES:** 10 a.m., 10:30 a.m., 11 a.m., 11:30 a.m., 12:30 p.m., 1 p.m., 1:30 p.m.

**LOCATION:** USBG Production Facility (directions can be found with the online listing)

**FRIENDS:** \$5

**NON-MEMBERS:** \$10

Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



## YOUTH WORKSHOP

## Orchids in Focus

Lee Coykendall, USBG Children's Education Specialist



*Paphiopedilum haynaldianum*

Interested in science and art?

Join Lee for a hands-on workshop where students will dissect an orchid and, using microscopes, bring its parts into focus in order to understand how orchids work. Using our *Orchids in Focus* exhibit for inspiration, students will then create original pieces of art. *Please note:* This workshop is designed for students between the ages of 12–16. Parents and care providers are welcome to attend, but are not required to do so.

**DATE:** Sunday, March 13

**TIME:** 1:30 p.m. to 2:30 p.m. and 3:30 p.m. to 4:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

## 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 Burrous 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:** Tuesday, March 15

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

## LECTURE

## Creating Stunning Plant Communities that Stand the Test of Time

*Claudia West, MLA, International ASLA*



Ecologically valuable plants are the foundation of healthy ecosystems, and they bring beauty and joy to people's lives. But great plants alone don't automatically create stunning and lasting planting. Join Claudia and discover the striking beauty of ecological plants and explore how they fit together in stable combination. Take home a wealth of inspiration and be motivated to test novel plant combinations that will increase the beauty and ecological value of anyone's home landscape. Enjoy and be inspired!

**DATE:** Saturday, March 19

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required; visit [www.usbg.gov](http://www.usbg.gov)



### CHILDREN'S PROGRAM

## Kites and Pollinators Take Flight

*Lee Coykendall, USBG Children's Education Specialist*

Come learn just how cool pollinators really are and create your own botanically themed kite just in time for the kite festival on the Mall. *Please note:* This is a drop-in program appropriate for all ages.

**DATE:** Sunday, March 20

**TIME:** 10 a.m. to 2 p.m.

**LOCATION:** Conservatory West Gallery

**FREE:** No pre-registration required



## TOUR

### Marvelous Morphology: A Plant Structures Stroll

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

Ever wonder what the spots on the back of fern leaves are or where a coconut's seed is? Join Susan on a tour of the Garden and discover plant structures and their various functions. Learn what parts of an acacia plant ants rely on and why bananas only make fruit on one end of their flowering stalks. Topics such as leaf form, fruit classification, flower structure, and overall plant structural diversity will be explored and explained.

**DATE:** Tuesday, March 22

**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](http://www.usbg.gov)

## WORKSHOP

### Orchids Up Close

*Justin Kondrat, USBG Gardener*

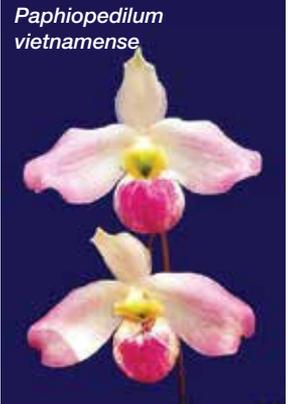
Join Justin Kondrat, USBG Gardener and orchid specialist, for a behind-the-scenes look at the intricate structure of orchids, their diversity, and cultural requirements for success. This workshop will be hands-on and include a tour of the *Orchids in Focus* exhibit.

**DATE:** Thursday, March 24

**TIME:** 6:30 p.m. to 8:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



**TEACHER TRAINING****How Plants Work for Middle and High School Teachers**

*Lee Coykendall, USBG Children's Program Specialist*

Never have time to get to the U.S. Botanic Garden? Join Lee Coykendall 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, March 31

**TIME:** 4:30 p.m. to 7 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**CHILDREN'S PROGRAM****Climb the Bee Tree with the Malaysian Honey Hunters!**

*Steve Buchmann, Adjunct Professor of Entomology, University of Arizona, Tucson*



Join Dr. Buchmann as he reads from his children's book *The Bee Tree* (with co-author Diana Cohn and illustrated by artist Paul Mirocha). This is the amazing true story of a Malaysian honey hunter family's climb 100 feet into the air. Listen to their journey, and the chants to Hitam Manis which protect them on their dangerous climb, as they search for honey from the world's largest honey bees.

**DATE:** Friday, April 1

**TIME:** 10:30 a.m. to 11 a.m.

**LOCATION:** National Garden Amphitheater  
(Rain Location: Conservatory West Gallery)

**FREE:** No pre-registration required



**TOUR****Lunchtime Tour of the Conservatory***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 medical plant research.

**DATES:** Mondays, April 4, 11, 18, 25  
 Wednesdays, April 6, 13, 20, 27  
 Fridays, April 1, 8, 15, 22, 29

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** No pre-registration required

**LECTURE****The Reason for Flowers: What They Have to Say to the Birds, Bees and Us**

*Steve Buchmann, Adjunct Professor of Entomology, University of Arizona, Tucson*



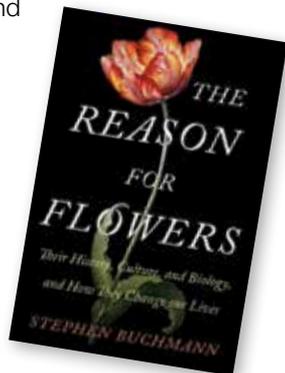
In an illustrated talk, Dr. Buchmann describes the world's flowers as living billboards that signal to insects, birds, bats, and people. Join him as he describes the history, culture, and biology related to these flowers, and how they change our lives. Find out about floral perfumes, edible flowers, why flowers make us smile, flowers in art, literature, and much more.

**DATE:** Friday, April 1

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



**LECTURE****Stone Fruits: Cherries, Peaches, Almonds, and Plums, Oh My!***Todd Brethauer, USBG Science Education Volunteer*

From the white and pink masses of color of the flowering cherries in the spring to the late summer flavors of peaches and plums, stone fruits are a delight for the landscaper and the orchardist. Spend an hour with Todd to learn about the evolution, domestication, horticulture, and breeding of these important fruit and flower crops.

**DATE:** Saturday, April 2**TIME:** 10:30 a.m. to 12 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)*Prunus 'Kanzan'**Prunus persica*

Todd Brethauer

**FITNESS EVENT****Practice with Love Yoga Gatherings: Stop and Smell the Roses***Heather Markowitz, Founder, WithLoveDC*

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. WithLoveDC is thrilled to bring their free yoga gatherings to the U.S. Botanic Garden; come flow with us! *Please note:* This program is first-come, first-served with limited space available. Visitors are encouraged to bring their own mats.

**DATES:** Saturday, April 2, 9, 16, 23, 30**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory West Gallery**FREE:** No pre-registration required

**SPECIAL EVENT****Meet the Artists: Flora of the National Parks***Various exhibit artists*

Plants are a key part of many visitors' experiences in national parks. Meet and greet some of the artists whose work depicting the flora found in America's national parks is featured in this exhibit. Explore the exhibit with the opportunity to ask questions about the artists' techniques, hear their stories and tips, and see how they capture the beauty of these national treasures. *Please note:* This program will be repeated in July and September.

**DATE:** Saturday, April 2**TIME:** 1 p.m. to 2 p.m.**LOCATION:** Conservatory West Gallery**FREE:** No pre-registration required**CHILDREN'S PROGRAM****The Art and Science of the Cherry Blossom***Lee Coykendall, USBG Children's Education Specialist*

Join us for a hands-on workshop where we uncover both the beauty and the botany of the cherry blossom. Participants will dissect flowers and explore the reason for a flower and its intentional design. Participants will then create several original art pieces. *Please note:* Participants must be between the ages of 10 and 16. No adults may enroll without a registered child.

**DATE:** Sunday, April 3**TIME:** 1:30 p.m. to 3:30 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



## CHILDREN'S PROGRAM

### Seedlings

*Lee Coykendall, USBG Children's Education Specialist*

Come learn just how amazing plants really are during our Seedlings class (ages 6–10). Each week will be a mix of hands-on investigations, planting projects, and science-based activities. *Please note:* Students must be at least 6 years of age and accompanied by an adult. 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 share in class activities. Program in April is a repeat of the program in March.

**DATES:** Tuesdays, April 5, 12, 19, 26

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\*

*\*Please note: Registration opens on Wednesday, March 2 at 10 a.m.*

## TOUR

### An Afternoon in the Garden

*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 medical plant research.

**DATES:** Tuesdays, April 5, 12, 19, 26

**TIME:** 2 p.m. to 3 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** No pre-registration required

**CHILDREN'S PROGRAM****Sprouts***Lee Coykendall, USBG Children's Education Specialist*

Bring your preschooler (ages 3-5) to the U.S. Botanic Garden for plant-related fun. Each Wednesday session will have varied activities that may include a story, art activity, or walk in the Garden. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age. Program in April is a repeat of the program in March.

**DATES:** Wednesdays, April 6, 13, 20, 27**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\**\*Please note: Registration opens on Wednesday, March 2 at 10 a.m.***PARENT & CHILD PROGRAM****Snugglers***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:* Due to our narrow paths and the nature of this program, we cannot support strollers or older siblings.

**DATE** (choose any or all of the following): Thursday, April 7, 14, 21, 28**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory Garden Court**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**DEMONSTRATION****Top to Toe: Cooking with the Whole Plant**

*Adrienne Cook, Gardening and Cooking Writer, and  
Danielle Cook, MS, Nutritionist and Cooking Instructor*

Some plants are entirely edible, from top to toe. Sweet potatoes and beets are examples of vegetables that are valued both for their green above-ground growth and their roots/tubers that grow in the earth. Find out more with the Cook Sisters. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.



**DATES:** Thursday, April 7 and 28

**TIME:** 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

**CHILDREN'S PROGRAM****Songs and Storytime  
with Miss Maryland**

*Destiny Clark, Miss Maryland 2015*

Come and learn about plants and flowers with Miss Maryland 2015, Destiny Clark! Miss Maryland will entertain kids of all ages with stories and songs. Come and join the fun—sing along if you'd like!

**DATE:** Friday, April 8

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** National Garden Amphitheater  
(Rain Location: Conservatory West Gallery)

**FREE:** No pre-registration required

**LECTURE****A Photographer's Quest for North America's Wild Orchids**

*Jim Fowler, Naturalist and Author of "Wild Orchids of South Carolina" and "Orchids, Carnivorous Plants, and Other Wildflowers of the Green Swamp, North Carolina"*

Join Jim Fowler as he shows his favorite images of the wild orchids he has photographed in North America. He will tell about some of the interesting characters he has met and the hazards he has encountered while tracking down these mysterious wildflowers. He will also reveal a few of the tricks orchids use to engage pollinators and produce the next generation of orchids.

**DATE:** Friday, April 8

**TIME:** 12 p.m. to 1 p.m.

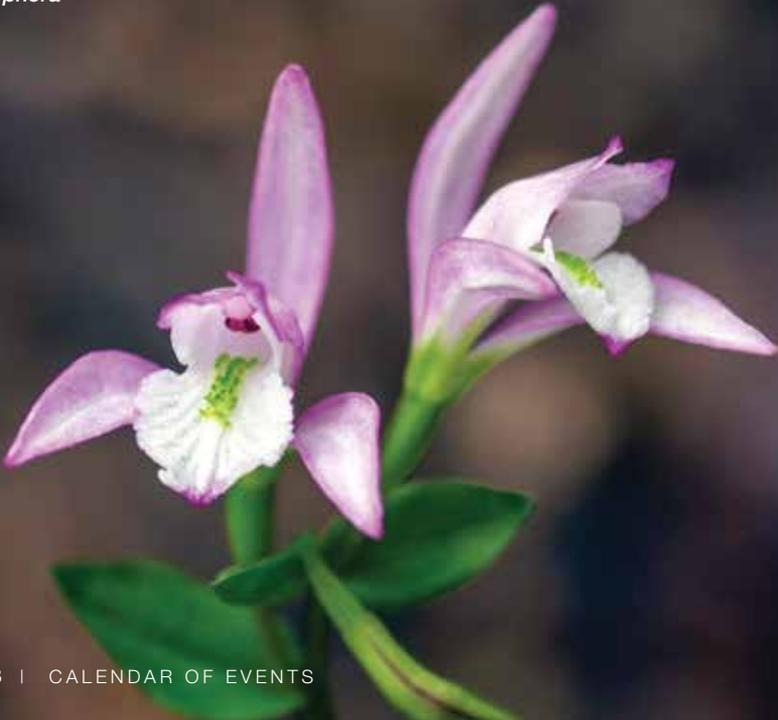
**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



Jim Fowler

*Triphora trianthophora*



**SPECIAL EVENT****What's the Buzz? The Science of Fermentation and Mead***Ryan Bixenmann, Co-founder, Dick and Karl's World Famous Beer*

The program will describe the basic science behind fermentation, the history of fermentation, and an overview of foods and beverages that are fermented. In addition, the program will present the history and diversity of mead and fermented honey beverages, including the cultural and regional variations in fermented honey beverages. Guests will have an opportunity to sample two different fermented honey

beverages at the end of the program: Sweet mead and Braggot. *Please note:* This program is intended for those 21 years of age and older. Small bites will be served to accompany the tasting journey.

**DATE:** Friday, April 8**TIME:** 6:30 p.m. to 8 p.m.**LOCATION:** Conservatory Garden Court**FRIENDS:** \$25**NON-MEMBERS:** \$35Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)**LECTURE****Serenity by Design: Simplicity, Sanctuary & Delight***Jan Johnsen, Principal, Johnsen Landscapes & Pools, author of 'Heaven is a Garden'*

Why do some gardens make us feel so relaxed and refreshed?

In her engaging talk, Jan Johnsen explores the secrets of garden design to reveal little known ideas you can use to create an outdoor setting that enhances wellbeing. Drawing on her 45 years in the design and horticulture professions, Jan illuminates the surprising role that shape, power of place, color, and even direction play in creating a serene garden. A popular and insightful presentation!

**DATE:** Saturday, April 9**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

## LECTURE

## Bridging the Gap between Growing Orchids and Their Ecology: Lessons Learned from the Ghost Orchid

Michael Kane, Professor, Plant Restoration, Conservation and Propagation Biotechnology Program, Environmental Horticulture Department, University of Florida



Native orchids are considered to produce the most precious and sought-after flowers in the world by enthusiast and professionals alike. Scientists, however, know little about their biology and ecology. These two facts make many native orchids some of the most critically endangered plant species. Probably one of the best known, but difficult to propagate, endangered native orchids is the leafless

Ghost Orchid (*Dendrophylax lindenii*). During this presentation, the successes achieved in overcoming challenges to the propagation, greenhouse culture, and reintroduction of this fascinating orchid will be discussed.

**DATE:** Saturday, April 9

**TIME:** 2 p.m to 3:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



*Dendrophylax lindenii*

## LECTURE

## Art and Nature

Tina Thieme Brown, nature artist, illustrator and co-author of *An Illustrated Guide to Eastern Woodland Wildflowers and Trees: 350 Plants Observed at Sugarloaf Mountain, Maryland*

Join accomplished nature artist Tina Thieme Brown as she shares sketches, art tips, stories, and finished artwork from her hikes and camping adventures from the Tropical Rainforest in Costa Rica to Sugarloaf Mountain and beyond. *Please note:* This program is offered in conjunction with the Botanical Art Society of the National Capital Region. Only 20 seats will be available for USBG visitors. Doors will open at 1:20 p.m.

**DATE:** Sunday, April 10

**TIME:** 1:30 p.m. to 2:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



**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 Burrous 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:** Tuesday, April 12**TIME:** 12 p.m. to 1 p.m.**LOCATION:** Tour meets in the Conservatory Garden Court**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)*Oberonia setigera**Oberonia rufilabris***LECTURE****Imaging Small Flowers:  
From Macrophotography to Electron Microscopy***Dr. Daniel Geiger, Curator of Malacology, Santa Barbara Museum of Natural History*

Taking pictures of small flowers can be challenging. Dr. Geiger will showcase and explain techniques ranging from simple tricks for everybody, to advanced macrophotography approaches and cutting edge research methods.

**DATE:** Friday, April 15**TIME:** 12 p.m. to 1 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

Chuck Place

## ART WORKSHOP

## Painting Glowing Orchids in Watercolor

Carol Woodin, Freelance Botanical Artist and ASBA Director of Exhibitions

After an overview of the special botanical characteristics of orchids and a primer on the unique qualities of vellum, students will learn to combine the two. Creating rich color through multiple layers of watercolor drybrush, artists will capture shaded form and surface qualities such as gloss, veining, and warts so characteristic of orchids. Using vellum's special surface to its greatest advantage, artists will gain comfort in working with this beautiful and translucent material. *Please note:* A materials fee of \$35 is included in the cost of the course. This fee will cover a 9" x 12" piece of vellum. All other supplies are to be provided by the student. A materials list can be found with the online listing. Please bring a lunch.

**DATE:** Saturday and Sunday,  
April 16-17

**TIME:** 9 a.m. to 4:30 p.m.

**LOCATION:** Conservatory Classroom

**FRIENDS:** \$185

**NON-MEMBERS:** \$210

Pre-registration required, visit  
[www.usbg.gov](http://www.usbg.gov)

*Paphiopedilum*  
'Hideki'



Carol Woodin

*Paphiopedilum*  
*insigne*



Carol Woodin



## SPECIAL EVENT

### Volunteer Open House

*Maura Nelson, USBG Volunteer Coordinator*

Have you ever visited the Garden and wondered how you could be part of the experience? Join us! We have a wonderful active volunteer corps who participate in a variety of activities that celebrate the mission of the Garden—demonstrating the aesthetic, cultural, economic, ecological, and therapeutic nature of plants to the well-being of humankind. Whether it is working with the horticulture crew caring for the living plant collection or the public programs staff serving and educating our visiting public, there is something for everyone. Stop by to learn more about the volunteer program and meet some of our fabulous team.

**DATE:** Saturday, April 16

**TIME:** 1 p.m. to 5 p.m.

**LOCATION:** Conservatory West Gallery

**FREE:** No pre-registration required

## TOUR

### Explore with the Executive Director

*Dr. Ari Novy, USBG Executive Director*

Join USBG Executive Director Dr. Ari Novy on an expedition through the collections of the U.S. Botanic Garden. Dr. Novy will share stories of his favorite plants, the history of the institution, and the many unique treasures contained within and outside the Garden's walls during the spring season.



**DATE:** Tuesday, April 19

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**SPECIAL EVENT****The Herbal Aperitif: A Tasting Journey of Vermouth***Dwight Grimm, Vermouthier*

Revered in Western Europe for its role in the dining ritual and utilized as an essential ingredient in many of the world's iconic cocktails, vermouth is widely unknown and misunderstood in the United States. Commercial production of vermouth began in Northern Italy in the late 18th century and since then the manufacturers' proprietary formulas of wine, herbs, and spirit are

closely held secrets. Join Dwight as he takes you on a tasting journey through the history of this enigmatic aromatized wine with samples of contemporary vermouth labels and their constituent herbs. *Please note:* This program is intended for those 21 years of age and older. Small bites will be served to accompany the tasting journey.

**DATE:** Thursday, April 21**TIME:** 6:30 p.m. to 8:30 p.m.**LOCATION:** Conservatory Garden Court**FRIENDS:** \$25**NON-MEMBERS:** \$35Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)**OPEN HOUSE****Celebrate Earth Day!***USBG Staff & Volunteers*

Join us as the U.S. Botanic Garden celebrates Earth Day! Come enjoy engaging hands-on activities and meet with representatives of environmental organizations from throughout the region. Drop by and learn all the ways that you can make the planet a healthier place and become a more active steward of the plants that support life on earth.

**DATE:** Friday, April 22**TIME:** 10 a.m. to 2 p.m.**LOCATION:** Conservatory Terrace  
(Rain Location: Conservatory Garden Court & West Gallery)**FREE:** No pre-registration required

## TOUR

## Spring Tree Tour of the Capitol Grounds

Melanie Choukas-Bradley, Author of *City of Trees*



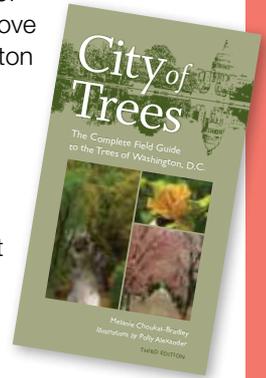
Spend a May morning strolling under the venerable trees that grace the U.S. Capitol grounds with Melanie Choukas-Bradley, author of *City of Trees*. The lush and botanically diverse Capitol grounds were designed by the pre-eminent 19th century landscape architect Frederick Law Olmsted—designer of New York City’s Central Park and many other North American landscapes—and they have been described as one of the world’s finest arboretums. We will explore the historic groves of the Capitol at the height of spring foliage and flower, admiring and learning about the trees that grace the grounds, including species from around the United States and the world. We hope to see magnolias, dogwoods, buckeyes, horsechestnuts and other flowering trees in bloom. The tour begins at the USBG Conservatory and continues to the Capitol. Learn some basics of tree identification and a secret side of political Washington: the love of trees that goes back to founding presidents George Washington and Thomas Jefferson and led to the capital becoming known as the “City of Trees.” Memorial trees planted by Members of Congress—including one that is 100 years old—are among the trees on the tour. Hear arboreal highlights of the city’s planning history and recommendations for local natural areas for further exploration. *Please note:* This tour is held outdoors. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains.

**DATE:** Saturday, April 23

**TIME:** 10 a.m. to 1 p.m.

**LOCATION:** Tour will meet in front of the USBG Conservatory entrance on the Terrace

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



*Crocus sativus**Tulipa* 'La Courtine'

Photos by Todd Brethauer

**LECTURE****The Beauty and Botany of Monocot Spring Flowers***Todd Brethauer, USBG Science Education Volunteer*

The pastel colors of the crocus, tulip, and daffodil announce the coming of spring... finally. Join USBG Science Education Volunteer Todd Brethauer and learn about the evolution, biogeography, horticulture, and breeding of these and other monocot flowers.

**DATE:** Saturday, April 23**TIME:** 10:30 a.m. to 12 p.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)*Tulipa* spp.



## LECTURE

### The Flora of Central Park, New York City

*Regina Alvarez, Assistant Professor, Queensborough Community College, New York*

Although its cultural history is well documented, the knowledge of the flora of Central Park supported by scientific studies has lagged behind. Regina Alvarez and Daniel Atha, working with the Central Park Conservancy and the New York Botanical Garden, are collecting herbarium specimens of every species growing wild in the park. Already they have discovered new botanical records for the park and have rediscovered species not documented since the 1850s.

**DATE:** Saturday, April 23

**TIME:** 2 p.m. to 3:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**TOUR****Lunchtime Tour of the Conservatory***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 medical plant research.

**DATES:** Mondays, May 2, 9, 16, 23  
 Wednesdays, May 4, 11, 18, 25  
 Fridays, May 6, 13, 20, 27

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** No pre-registration required

**CHILDREN'S PROGRAM****Seedlings***Lee Coykendall, USBG Children's Education Specialist*

Come learn just how amazing plants really are during our Seedlings class (ages 6–10). Each week will be a mix of hands-on investigations, planting projects, and science-based activities. *Please note:* Students must be at least 6 years of age and accompanied by an adult. 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 share in class activities. Program in May is a repeat of the program in March.

**DATES:** Tuesdays, May 3, 10, 17, 24

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\*

*\*Please note: Registration opens on Wednesday, April 6 at 10 a.m.*

**TOUR****An Afternoon in the Garden***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 medical plant research.

**DATES:** Tuesdays, May 3, 10, 17, 24, 31**TIME:** 2 p.m. to 3 p.m.**LOCATION:** Tour meets in the Conservatory Garden Court**FREE:** No pre-registration required**CHILDREN'S PROGRAM****Sprouts***Lee Coykendall, USBG Children's Education Specialist*

Bring your preschooler (ages 3–5) to the U.S. Botanic Garden for plant-related fun. Each Wednesday session will have varied activities that may include a story, art activity, or walk in the Garden. *Please note:* Children must be accompanied by an adult. Participating children must be at least 3 years of age. Program in May is a repeat of the program in April.

**DATES:** Wednesdays, May 4, 11, 18, 25**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory Classroom**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)\**\*Please note: Registration opens on Wednesday, April 6 at 10 a.m.*

**TOUR****Celebrating Public Gardens: The USBG National Garden**

*Bill McLaughlin, USBG Curator*

Come celebrate National Public Gardens Day with an engaging tour of the USBG National Garden, highlighting its design concepts and environmentally friendly, forward thinking approach to gardening. Come learn of the D.C. area's Atlantic Fall Line flora, in a garden that celebrates beauty, American style! *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).

National Public Gardens Day celebrates the important role gardens serve, providing beauty and respite to more than 70 million people annually, while also promoting environmental stewardship, plant conservation, and education.

**DATE:** Friday, May 6

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Tour will meet by the entrance to the National Garden on the Conservatory Terrace

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



**LECTURE**

## The Gardening 'Easy Button': The Ultimate Stress Reduction Program

Kerry Ann Mendez, award-winning speaker, author, and garden designer



More is better, right? Yes, if you are referring to chocolate or stress-reducing, time-saving strategies for low-maintenance, high-impact perennial gardens. This dynamic, humorous, and interactive presentation reveals tried-and-true secrets for putting time and money back into your pockets while reducing your blood pressure. Topics

include no-fuss plants, maintenance shortcuts, and fun power tools for releasing stress. We have all heard that gardening is good for us; now let's take it over the top and reap the benefits of fitter bodies, calmer minds, and more satisfied souls. Gorgeous gardens are just icing on the cake. Who says we can't have it all?

**DATE:** Friday, May 6

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**WORKSHOP**

## Into the Field: Observation and Sketching Outdoors

Mara Menahan, USBG Botanical Illustrator

Join the USBG's botanical illustrator for an insider's perspective on the practice of field journaling. We will take a peek inside the field journals of famous scientists and naturalists to understand how the daily ritual of drawing and notetaking led to historic scientific discoveries. Mara will share her own sketchbooks and will demonstrate basic drawing techniques to help you capture landscape, shape, texture, and form. Participants will be provided a journal to record their own observations of native plants in the National Garden.

**DATE:** Saturday, May 7

**TIME:** 10:30 a.m. to 12:30 p.m.

**LOCATION:** Conservatory Classroom and National Garden  
(Rain Location: Conservatory)

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



**FITNESS EVENT**Practice with Love Yoga Gatherings:  
Stop and Smell the Roses*Heather Markowitz, Founder, WithLoveDC*

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. WithLoveDC is thrilled to bring their free yoga gatherings to the U.S. Botanic Garden; come flow with us! *Please note:* This program is first-come, first-served with limited space available. Visitors are encouraged to bring their own mats.

**DATES:** Saturday, May 7, 14, 21**TIME:** 10:30 a.m. to 11:30 a.m.**LOCATION:** Conservatory West Gallery**FREE:** No pre-registration required**TOUR**

## Mother's Day Tour of the Rose Garden

*Sharon Hanes, Rosarian and USBG Volunteer Docent**Rosa 'AUSblush' (Heritage)*

Is your mom breathtakingly beautiful, a real sweetheart, cuddly or—oh my goodness—ferociously thorny? Is she a city girl or does she prefer rugged, windy sea coasts? Is she spicy and wild, or does she prefer sensible shoes? We have just the right rose and rose story for her. *Please note:* This tour is held outdoors and meets on the National Garden Lawn Terrace. We suggest wearing sunscreen and protective clothing, and bringing water. The tour is canceled if it rains or during times of extreme heat (head index of 95 degrees or higher/Code Red weather alert).

**DATE:** Sunday, May 8**TIME:** 11 a.m. to 12 p.m.**LOCATION:** Tour will meet on the National Garden Lawn Terrace**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**CHILDREN'S PROGRAM****Celebrate Mother's Day at the USBG!**

*Lee Coykendall, USBG Children's Education Specialist and Danielle Cook, MS, Nutritionist and Cooking Instructor*

Looking for a fun way to celebrate Mother's Day? It is never too early to start planning your vegetable garden. Bring your mother to the USBG and help her design and plant her very own cook's garden! Join Danielle Cook as she whips up two recipes and savor the bounty your garden will bring. *Please note:* This is a drop-in program and appropriate for all ages.



**DATE:** Sunday, May 8

**TIME:** 1:30 p.m. to 3:30 p.m.

**LOCATION:** Conservatory West Gallery

**FREE:** No pre-registration required

**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 Burrous 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:** Tuesday, May 10

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Tour meets in the Conservatory Garden Court

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**DEMONSTRATION****Mighty Alliums**

*Adrienne Cook, Gardening and Cooking Writer, and Danielle Cook, MS, Nutritionist and Cooking Instructor*

Garlic and their scapes, onions, shallots, and leeks all are part of the large onion family. Sample recipes using a mix these healthful and flavor-packed vegetables. *Please note:* The 12:50 p.m. program is a repeat of the 12 p.m. program.

**DATES:** Thursday, May 12 and 26

**TIME:** 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

**TOUR****The Bees in Your Backyard**

*Olivia Messinger Carril, biologist, Southern Illinois University*

Tour around the National Garden with biologist and bee expert Olivia Messinger Carril as she discusses the roughly 4,000 different bee species found in your backyard, dispelling common myths about bees while offering essential tips for telling them apart. *Please note:* This tour is held outdoors and meets on the National Garden Lawn Terrace. We suggest wearing sunscreen and protective clothing, and bringing water. In the event of rain, the program will be presented in a lecture-style format in the Conservatory Classroom.

**DATE:** Wednesday, May 18

**TIME:** 12:30 p.m. to 1:30 p.m.

**LOCATION:** Tour will meet by the entrance to the National Garden on the Conservatory Terrace (Rain Location: Conservatory Classroom for a presentation related to the same topic)

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)





## 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. Themes will vary by class. *Please note:* This tour is held outdoors. 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, May 19

**TIME:** 12:15 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](http://www.usbg.gov)

**LECTURE**

## Where are All the Wildflowers Going?

*Gerry Moore, Leader, National Plant Data Team, NRCS, USDA*

Join Gerry as he provides an overview of the recent changes in plant distributions for many plant species in the U.S. Learn about the challenges these recent changes present to botanists who track plant distribution, assess rarity, assign conservation priorities, and determine nativity.

**DATE:** Friday, May 20

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

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**TOUR**

## The USBG Rose Garden

*Sharon Hanes, Rosarian and USBG Volunteer*

Beautiful, versatile, and timeless, the rose is the U.S. national flower. Opened in 2006, the USBG Rose Garden is a formal garden space dedicated to growing the rose without the use of fungicides or insecticides. The roses growing in the garden have been selected from many classes of roses grown today, both “Old Roses” and “Modern Roses.” Which rose did Teddy Roosevelt demand for his lapel? Which rose did pioneer moms tuck into barrels of flour along with their china as they headed West in covered wagons? Which rose is so persistent and resilient that it is perfectly happy in today’s Manhattan? Come stroll the paths, hear the roses’ stories, and see our beautiful rose garden! *Please note:* This tour is held outdoors. We suggest wearing sunscreen and protective clothing and bringing water. The tour is canceled if it rains.

**DATE:** Friday, May 20

**TIME:** 3 p.m. to 4 p.m.

**LOCATION:** Tour will meet on the National Garden Lawn Terrace

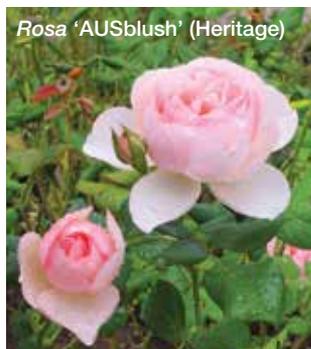
**FREE:** No pre-registration required

**DATE:** Saturday, May 21

**TIME:** 10:30 a.m. to 11:30 a.m.

**LOCATION:** Tour will meet on the National Garden Lawn Terrace

**FREE:** No pre-registration required





## DEMONSTRATION

### Lei-Making

*Hawaii State Society of Washington D.C.*

In celebration of Kamehameha Day, which usually occurs each June, the local Hawaiian community has prepared lei using many local mid-Atlantic plant materials. The lei are solemnly presented and draped on the statues of Saint Damien and Kamehameha in a private ceremony in Statuary Hall of the U.S. Capitol, where, following the ceremony, visitors to the Capitol can enjoy them. Come learn about Hawaiian traditions and culture. Watch as the Hawaii State Society and other members of the local Hawaiian community make the lei for this year's lei-draping ceremony.

**DATE:** Saturday, May 21

**TIME:** 10 a.m. to 3 p.m.

**LOCATION:** Conservatory Terrace (Rain Location: Conservatory Garden Court West 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, May 21

**TIME:** 10:30 a.m. to 12 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)



Todd Brethauer

# UPCOMING PROGRAMS

Mark your calendars for these programs in early June!

## 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. Themes will vary by class. *Please note:* This tour is held outdoors. 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, June 2

**TIME:** 12:15 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](http://www.usbg.gov)



*Hibiscus arnottianus*  
ssp. *immaculatus*

Todd Brethauer

## LECTURE

### Hawaii: A Botanical Paradise in the Middle of the Sea

*Todd Brethauer, USBG Science Education Volunteer*

In celebration of Kamehameha Day, the USBG offers an informative lecture on the evolutionary forces that shaped Hawaii's unique native plant communities. Highlights include how the arrival of humans and their animal companions changed the botanical landscape and how the early Hawaiians used the plants to meet their food, fiber, shelter, tool, religious, and medicinal needs. The lecture highlights the important work of the National Tropical Botanical Garden and the Lyon Arboretum of the University of Hawaii in conserving the islands' unique plant life and ethnobotanical heritage.

**DATE:** Friday, June 3

**TIME:** 12 p.m. to 1 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

**WORKSHOP**

## Horticultural Therapy: The Slower We Go, the Faster We Get There

*Lana Dreyfuss, LCADC, SEP, HTR, former president AHTA, current treasurer AHTA*

What is horticultural therapy and how can it be beneficial to special populations? In this presentation we will explore horticultural therapy and how it can serve as an activity-based intervention utilizing the natural world, mindfulness, and our parasympathetic nervous systems! *Please note:* This is an experiential presentation that includes a hands-on activity.

**DATE:** Saturday, June 4

**TIME:** 10:30 a.m. to 2:30 p.m.

**LOCATION:** Conservatory Classroom

**FREE:** Pre-registration required, visit [www.usbg.gov](http://www.usbg.gov)

*Helianthus spp.*





# 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
- 20 West Gallery
- 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!

Hey kids! The U.S. Botanic Garden is looking for Junior Botanists. Who are these strange green life forms among us? Since they make our lives possible, it is a good idea to get to know them! When you visit the USBG bring along an adult advisor with an official ID (such as a driver's license) and check out a Junior Botanist Adventure Field Kit. The backpack is filled with cool tools to use during your explorations. When you complete each of the Adventure Sheets you will become an Apprentice Junior Botanist. Follow up your visit to the USBG with an at-home activity, then apply to our botanist and become an official USBG Junior Botanist. Please note that completion of the Adventure Sheets usually takes an individual several visits. The program is free. *Please note:* Schools may reserve Junior Botanist on Fridays by contacting our Children's Education Specialist at [lcoykend@aoc.gov](mailto:lcoykend@aoc.gov).

Upon successful completion of the Adventure Sheets, Junior Botanists will receive a certificate signed by our botanist, a field journal, and an explorer's lens.





# BECOME A FRIEND OF THE NATIONAL FUND



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 to 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
- Quarterly USBG Calendar of Events

### **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](http://www.usbg.gov).
- To register by mail, complete the form and send to:  
Registrar, U.S. Botanic Garden  
245 First St SW  
Washington, DC 20024
- 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.

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## USBG Program Registration Form *Please print*

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

Program Title

# of Participants

Fees

FRIEND membership \_\_\_\_\_

Total Fees \_\_\_\_\_

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

Card Number

Expiration Date

Signature





**United States Botanic Garden**

245 First Street, SW  
Washington, DC 20024