



CALENDAR OF EVENTS

MARCH–MAY 2014

UNITED STATES BOTANIC GARDEN

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 recognized as a museum and accredited 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 and arid regions and showcases orchids, medicinal, economic, endangered and Jurassic plants. From late May to mid-October, the Conservatory terrace features thematic displays.

The **National Garden** is adjacent to the Conservatory. It features a Mid-Atlantic native plant garden, Rose Garden, First Ladies Water Garden, Butterfly Garden and Amphitheater.

Bartholdi Park is across Independence Avenue from the Conservatory. Here visitors will find a tapestry of theme gardens surrounding the historic Bartholdi Fountain. The gardens suggest interesting plants and designs at a scale suitable for the home landscape.

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 and Blue 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.

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. To arrange a group tour, which requires a four-week advance reservation, please call (202) 225-1116. Groups of 10 to 25 adults may reserve a free 45-minute guided tour of the Conservatory Monday through Friday.

Visit our website at www.usbg.gov.

FOR MORE INFORMATION

General Information: 202-225-8333

Register for Programs: 202-225-1116

Request Tours: 202-225-1116

Plant Hotline: 202-226-4785

Volunteer Opportunities: 202-226-1047

At a Glance

Programs are listed by starting date.

Starting Date	Time	Title	Page
MARCH			
1	10:30 a.m.	Orchid Symphony – First Movement Lecture	11
1	2:00 p.m.	Signs of Spring Tour	12
2	2:00 p.m.	A Symphony of Orchids Youth Workshop	12
3	12:00 p.m.	Lunchtime Tour of the Conservatory	13
4	10:30 a.m.	Seedlings	13
5	10:30 a.m.	Sprouts	14
5	12:00 p.m.	Lunchtime Tour of the Conservatory	13
5	6:00 p.m.	Orchid Symphony Concert	14
6	10:30 a.m.	Snugglers	15
6	12:00 p.m.	We Say Potatoes Cooking Demonstration	16
6	4:30 p.m.	How Plants Work Teacher Training Workshop	16
8	10:00 a.m.	U.S. Botanic Garden Production Facility Open House	17
8	1:00 p.m.	Alienweeds: Tapping the Abundance of Invasive Plants Lecture	17
10	12:00 p.m.	Lunchtime Tour of the Conservatory	13
11	12:00 p.m.	Medicinal and Poison Plants Tour	18
12	10:30 a.m.	Meet the Expert: Orchid Repotting Demonstration	18
12	12:00 p.m.	Lunchtime Tour of the Conservatory	13
13	10:30 a.m.	Snugglers	15
13	12:00 p.m.	We Say Potatoes Cooking Demonstration	16
14	12:00 p.m.	Sugar, Sex and Poison: Lecture	19
15	10:00 a.m.	Winter Tree Tour of the Capitol Grounds	19
15	2:00 p.m.	Signs of Spring Tour	12
16	1:00 p.m.	Horticultural Therapy: Noticing the Connection Workshop	20
16	2:00 p.m.	Artist Tour: Botanical Paintings of the Mid-Atlantic	20
17	12:00 p.m.	Lunchtime Tour of the Conservatory	13
18	12:30 p.m.	Sexually Deceptive Australian Orchids Lecture	21
19	12:00 p.m.	Lunchtime Tour of the Conservatory	13
20	10:30 a.m.	Snugglers	15
20	6:30 p.m.	Trees 101: Back to Basics Lecture	21
21	6:00 p.m.	Orchid Symphony Concert	21
22	10:30 a.m.	Bananas: Botany, History, Agriculture and Future Lecture	22
22	2:00 p.m.	Orchid Symphony – Second Movement Lecture	22
24	12:00 p.m.	Lunchtime Tour of the Conservatory	13
25	12:00 p.m.	The Life and Times of Norman Borlaug Lecture	23
25	6:30 p.m.	The Life and Times of Norman Borlaug Lecture (Repeat)	23
26	10:30 a.m.	Meet the Expert: Orchid Repotting Demonstration	18
26	12:00 p.m.	Lunchtime Tour of the Conservatory	13
27	10:30 a.m.	Snugglers	15
27	6:30 p.m.	The Right Tree for Me Lecture	23
28	6:30 p.m.	Photographic Secrets of an Orchid and Flower Lover Lecture	24
29	9:00 a.m.	Digital Photography as Art Workshop	24
31	12:00 p.m.	Lunchtime Tour of the Conservatory	13
APRIL			
1	10:30 a.m.	Seedlings	25
2	10:30 a.m.	Sprouts	25
2	12:00 p.m.	Lunchtime Tour of the Conservatory	30
2	6:30 p.m.	A World Tour of Orchids	26
3	10:30 a.m.	Snugglers	26
3	12:00 p.m.	Spring Shoots & Seeds Cooking Demonstration	27
3	6:30 p.m.	Let's Get Growing! Urban Trees Lecture	27
4	12:00 p.m.	Nature's Interactive Web Lecture	28
4	6:00 p.m.	Orchid Symphony Concert	28
5	10:30 a.m.	Orchid Symphony—Third Movement Lecture	29
6	1:30 p.m.	Jungle Tales Children's Program	29
6	2:30 p.m.	Jungle Tales Children's Program (Repeat)	29

7	12:00 p.m.	Lunchtime Tour of the Conservatory	30
8	12:00 p.m.	Medicinal and Poison Plants Tour	30
9	12:00 p.m.	Lunchtime Tour of the Conservatory	30
10	10:30 a.m.	Snugglers	26
11	12:00 p.m.	A Garden of Marvels Lecture	31
12	9:00 a.m.	Drawing Cherry Blossoms Art Workshop	31
13	2:00 p.m.	Artist Tour: Botanical Paintings of the Mid-Atlantic	32
14	12:00 p.m.	Lunchtime Tour of the Conservatory	30
16	12:00 p.m.	Lunchtime Tour of the Conservatory	30
17	10:30 a.m.	Snugglers	26
17	12:00 p.m.	Spring Shoots & Seeds Cooking Demonstration	27
18	6:00 p.m.	Orchid Symphony Concert	32
19	10:30 a.m.	A Symphony of Orchids Youth Workshop	33
21	12:00 p.m.	Lunchtime Tour of the Conservatory	30
23	12:00 p.m.	Lunchtime Tour of the Conservatory	30
24	10:30 a.m.	Snugglers	26
25	10:00 a.m.	Celebrate Earth Day! Festival	33
25	6:30 p.m.	Can You ID a Tree? Workshop	34
26	9:00 a.m.	Mid-Atlantic Natives and Their Pollinators Art Workshop	34
28	12:00 p.m.	Lunchtime Tour of the Conservatory	30
30	12:00 p.m.	Lunchtime Tour of the Conservatory	30

MAY

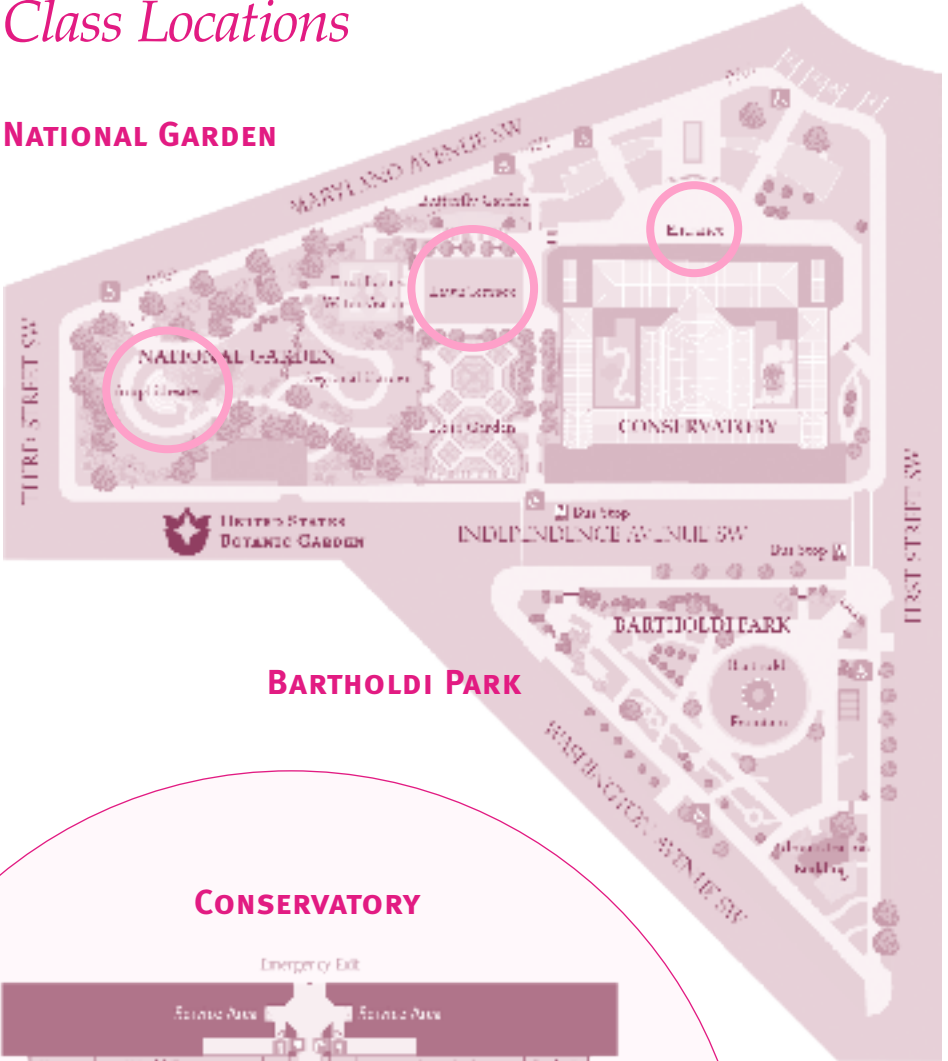
1	10:30 a.m.	National Garden Tour	35
1	4:30 p.m.	How Plants Work Teacher Training Workshop	35
3	10:00 a.m.	HerbDay	36
4	10:00 a.m.	Spring Tree Tour	36
5	12:00 p.m.	Lunchtime Tour of the Conservatory	37
6	10:30 a.m.	Seedlings	37
7	10:30 a.m.	Sprouts	38
7	12:00 p.m.	Lunchtime Tour of the Conservatory	37
8	10:30 a.m.	National Garden Tour	35
9	12:00 p.m.	Native Perennials with Bling Lecture	38
10	10:30 a.m.	Green Roofs Lecture	39
10	1:30 p.m.	Lunchbox Garden Workshop Children's Program	39
11	12:00 p.m.	Mother's Day Tour of the Rose Garden	39
11	2:00 p.m.	Artist Tour: Botanical Paintings of the Mid-Atlantic	40
11	2:30 p.m.	Celebrate Mother's Day at the USBG! Children's Program	40
12	12:00 p.m.	Lunchtime Tour of the Conservatory	37
13	12:00 p.m.	Medicinal and Poison Plants Tour	41
14	12:00 p.m.	Lunchtime Tour of the Conservatory	37
15	10:30 a.m.	National Garden Tour	35
15	12:00 p.m.	Sensational Strawberries Cooking Demonstration	41
16	10:00 a.m.	Celebrate Endangered Species! Festival	42
16	5:00 p.m.	Sweets Tour	42
19	12:00 p.m.	Lunchtime Tour of the Conservatory	37
20	12:00 p.m.	Rose Garden Tour	43
21	12:00 p.m.	Lunchtime Tour of the Conservatory	37
22	10:30 a.m.	National Garden Tour	35
22	12:00 p.m.	Sensational Strawberries Cooking Demonstration	41
22	4:00 p.m.	Rose Garden Tour	43
24	10:30 a.m.	The Fascinating World of Carnivorous Plants Lecture	43
28	12:00 p.m.	Lunchtime Tour of the Conservatory	37
29	10:30 a.m.	National Garden Tour	35

EARLY JUNE

1	2:00 p.m.	Thriving Curbside Gardens Lecture	44
6	6:30 p.m.	Deep Rooted Lecture	44
7	10:30 a.m.	Hawaii: A Botanical Paradise in the Middle of the Sea Lecture	45
7	2:00 p.m.	A Grain of Wisdom Lecture	45
13	12:00 p.m.	Our Prized Native Azaleas Lecture	46

Class Locations

NATIONAL GARDEN



BARTHOLOMEW PARK

CONSERVATORY



MARCH 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1 Orchid Symphony – First Movement: Evolution, Biogeography and Ecology Lecture 10:30 a.m. Signs of Spring Tour 2:00 p.m.
2 A Symphony of Orchids Youth Workshop 2:00 p.m.	3 Lunchtime Tour of the Conservatory 12:00 p.m.	4 Seedlings 10:30 a.m.	5 Sprouts 10:30 a.m. Lunchtime Tour of the Conservatory 12:00 p.m. Orchid Symphony Concert 6:00 p.m.	6 Snugglers 10:30 a.m. We Say Potatoes Cooking Demonstration 12:00 p.m. How Plants Work Teacher Training Workshop 4:30 p.m.	7	8 U.S. Botanic Garden Production Facility Open House 10:00 a.m. Alienweeds: Tapping the Abundance of Invasive Plants Lecture 1:00 p.m.
9	10 Lunchtime Tour of the Conservatory 12:00 p.m.	11 Medicinal and Poison Plants Tour 12:00 p.m.	12 Meet the Expert: Orchid Repotting Demonstration 10:30 a.m. Lunchtime Tour of the Conservatory 12:00 p.m.	13 Snugglers 10:30 a.m. We Say Potatoes Cooking Demonstration 12:00 p.m.	14 Sugar, Sex and Poison: Shocking Plant Secrets Caught on Camera Lecture 12:00 p.m.	15 Winter Tree Tour of the Capitol Grounds 10:00 a.m. Signs of Spring Tour 2:00 p.m.
16 Horticultural Therapy: Noticing the Connection Workshop 1:00 p.m. Artist Tour: Botanical Paintings of the Mid-Atlantic 2:00 p.m.	17 Lunchtime Tour of the Conservatory 12:00 p.m.	18 Sexually Deceptive Australian Orchids Lecture 12:30 p.m.	19 Lunchtime Tour of the Conservatory 12:00 p.m.	20 Snugglers 10:30 a.m. Trees 101: Back to Basics Lecture 6:30 p.m.	21 Orchid Symphony Concert 6:00 p.m.	22 Bananas: Botany, History, Agriculture and Future Lecture 10:30 a.m. Orchid Symphony – Second Movement: History, Slipper Orchids and Vanilla Lecture 2:00 p.m.
23	24 Lunchtime Tour of the Conservatory 12:00 p.m.	25 The Life and Times of Norman Borlaug Lecture 12:00 p.m. The Life and Times of Norman Borlaug Lecture (Repeat) 6:30 p.m.	26 Meet the Expert: Orchid Repotting Demonstration 10:30 a.m. Lunchtime Tour of the Conservatory 12:00 p.m.	27 Snugglers 10:30 a.m. The Right Tree for Me Lecture 6:30 p.m.	28 Photographic Secrets of an Orchid and Flower Lover Lecture 6:30 p.m.	29 Digital Photography as Art Workshop 9:00 a.m.
30	31 Lunchtime Tour of the Conservatory 12:00 p.m.					

APRIL 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 Seedlings 10:30 a.m.	2 Sprouts 10:30 a.m. Lunchtime Tour of the Conservatory 12:00 p.m. A World Tour of Orchids Lecture 6:30 p.m.	3 Snugglers 10:30 a.m. Spring Shoots & Seeds Cooking Demonstration 12:00 p.m. Let's Get Growing! Urban Trees Lecture 6:30 p.m.	4 Nature's Interactive Web Lecture 12:00 p.m. Orchid Symphony Concert 6:00 p.m.	5 Orchid Symphony – Third Movement: Breeding, New Technology and the Epidendroid Orchids 10:30 a.m.
6 Jungle Tales Children's Program 1:30 p.m. Jungle Tales Children's Program (Repeat) 2:30 p.m.	7 Lunchtime Tour of the Conservatory 12:00 p.m.	8 Medicinal and Poison Plants Tour 12:00 p.m.	9 Lunchtime Tour of the Conservatory 12:00 p.m.	10 Snugglers 10:30 a.m.	11 A Garden of Marvels Lecture 12:00 p.m.	12 Drawing Cherry Blossoms Art Workshop 9:00 a.m.
13 Artist Tour: Botanical Paintings of the Mid-Atlantic 2:00 p.m.	14 Lunchtime Tour of the Conservatory 12:00 p.m.	15	16 Lunchtime Tour of the Conservatory 12:00 p.m.	17 Snugglers 10:30 a.m. Spring Shoots & Seeds Cooking Demonstration 12:00 p.m.	18 Orchid Symphony Concert 6:00 p.m.	19 A Symphony of Orchids Youth Workshop 10:30 a.m.
20	21 Lunchtime Tour of the Conservatory 12:00 p.m.	22	23 Lunchtime Tour of the Conservatory 12:00 p.m.	24 Snugglers 10:30 a.m.	25 Celebrate Earth Day! Festival 10:00 a.m. Can You ID a Tree? Workshop 6:30 p.m.	26 Mid-Atlantic Natives and Their Pollinators Art Workshop 9:00 a.m.
27	28 Lunchtime Tour of the Conservatory 12:00 p.m.	29	30 Lunchtime Tour of the Conservatory 12:00 p.m.			

MAY 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 National Garden Tour 10:30 a.m. How Plants Work Teacher Training Workshop 4:30 p.m.	2	3 HerbDay 10:00 a.m.
4 Spring Tree Tour 10:00 a.m.	5 Lunchtime Tour of the Conservatory 12:00 p.m.	6 Seedlings 10:30 a.m.	7 Sprouts 10:30 a.m. Lunchtime Tour of the Conservatory 12:00 p.m.	8 National Garden Tour 10:30 a.m.	9 Native Perennials with Bling Lecture 12:00 p.m.	10 Green Roofs Lecture 10:30 a.m. Lunchbox Garden Workshop 1:30 p.m.
11 Mother's Day Tour of the Rose Garden 12:00 p.m. Artist Tour: Botanical Paintings of the Mid-Atlantic 2:00 p.m. Celebrate Mother's Day at the USBG! 2:30 p.m.	12 Lunchtime Tour of the Conservatory 12:00 p.m.	13 Medicinal and Poison Plants Tour 12:00 p.m.	14 Lunchtime Tour of the Conservatory 12:00 p.m.	15 National Garden Tour 10:30 a.m. Sensational Strawberries Cooking Demonstration 12:00 p.m.	16 Celebrate Endangered Species! Festival 10:00 a.m. Sweets Tour 5:00 p.m.	17
18	19 Lunchtime Tour of the Conservatory 12:00 p.m.	20 Rose Garden Tour 12:00 p.m.	21 Lunchtime Tour of the Conservatory 12:00 p.m.	22 National Garden Tour 10:30 a.m. Sensational Strawberries Cooking Demonstration 12:00 p.m. Rose Garden Tour 4:00 p.m.	23	24 The Fascinating World of Carnivorous Plants Lecture 10:30 a.m.
25	26	27	28 Lunchtime Tour of the Conservatory 12:00 p.m.	29 National Garden Tour 10:30 a.m.	30	31



Exhibits

ORCHID SYMPHONY

CONSERVATORY GARDEN COURT

THROUGH APRIL 27

Experience the incredible elegance of an orchid symphony. The U.S. Botanic Garden will feature exuberant displays of orchids nestled among whimsical topiaries and musical fountains. Illuminated by an orchid chandelier, the Garden Court will sing the praises of beautiful orchids. The Conservatory will feature orchids from all over the world in a multitude of environments. Come see desert orchids, jungle orchids and even orchids used in medicine and cooking against the gorgeous backdrop of the U.S. Botanic Garden collections.

Orchid Symphony is a collaboration between the U.S. Botanic Garden and Smithsonian Gardens.

AMERICAN BOTANICALS: MID-ATLANTIC NATIVE PLANTS

CONSERVATORY EAST GALLERY

THROUGH JUNE 15

Mid-Atlantic native plants feed the biota around us, respond to the seasons and soils of our region, delight our senses and reinforce a sense of place. On display, find masterful, original botanical illustrations of some of the Mid-Atlantic's distinctive and beautiful plants that demonstrate why it is so crucial to conserve this vital part of our natural heritage.

AMBER WAVES OF GRAIN

CONSERVATORY TERRACE

MAY 24 THROUGH OCTOBER 13

Fields of golden wheat have captured the imagination of many artists, who have featured wheat in painting and song. Wheat has also captured our palates, serving as the main ingredient in some of our most recognizable foods like bread, pasta, pizza, tortillas and cake. As one of the oldest domesticated plants, wheat laid the foundation for Western civilization and is now grown on every continent except Antarctica. Experience the beauty of this important plant on the U.S. Botanic Garden's Conservatory Terrace. Learn how the amazing diversity of wheat has led this simple grain to permeate our art, culture and cuisine.



Programs

Programs are listed by start date.

LECTURE

ORCHID SYMPHONY – FIRST MOVEMENT: EVOLUTION, BIOGEOGRAPHY AND ECOLOGY

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

This informative lecture will cover the evolution, biogeography and ecology of orchids in conjunction with the USBG *Orchid Symphony* exhibition. Orchids form one of the largest plant families dating back to the Age of Dinosaurs. They are remarkable for the beauty and the diversity of their blooms, the range of environments that they occupy and their unique relationships with their pollinating animals. Learn about how modern research methods are being used to better understand these plants and conserve them.

Date: Saturday, March 1

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov



Photo: Todd Brethauer

Anguloa virginalis



Photo: Todd Brethauer

Angraecum comorense 'Gwen Copley'

TOUR

SIGNS OF SPRING

EMILY PORTER, USBG PROJECT BUDBURST COORDINATOR

Are you ready to “spring forward?” The plants in the National Garden are! Join Emily Porter to explore the first signs of spring in the National Garden. During this outdoor tour, you will learn to identify a variety of common native plants and discover the important clues that plants reveal about the life cycles of their surroundings. Your observations during the tour will contribute to scientific research on local plants and connect you to Project BudBurst, a national network of citizen scientists just like you. **Please note:** This tour is held outdoors. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains or snows.



Ceris Canadensis



Date: Saturday, March 1

Time: 2 p.m. to 3 p.m.

Location: Tour meets in the lobby of the Conservatory

FREE: No pre-registration required

Date: Saturday, March 15

Time: 2 p.m. to 3 p.m.

Location: Tour meets in the lobby of the Conservatory

FREE: No pre-registration required

CHILDREN'S PROGRAM

A SYMPHONY OF ORCHIDS WORKSHOP FOR YOUTH

LEE COYKENDALL, USBG CHILDREN'S EDUCATION SPECIALIST

Orchids enchant both artists and scientists. Join us for a hands-on workshop during which students will dissect orchids, learn of their many mysteries and then, using multiple mediums, will create art inspired by our *Orchid Symphony* exhibit. **Please note:** This workshop is intended for students ages 7 to 14. Accompanying adults should be on-site for the duration of the workshop.



Date: Sunday, March 2

Time: 2 p.m. to 4 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

TOUR

LUNCHTIME TOUR OF THE CONSERVATORY

USBG VOLUNTEERS

What do manila folders, Chanel No. 5, vanilla and fossil fuels have in common? They all come from plants on permanent display in the USBG Conservatory. 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.

Dates: Mondays, March 3, 10, 17, 24, 31

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required

Dates: Wednesdays, March 5, 12, 19, 26

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.

Dates: Tuesdays, March 4, 11, 18, 25

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov*

***Please note:** Registration opens on Wednesday, February 5 at 10 a.m.



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 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*

***Please note:** Registration opens on Wednesday, February 5 at 10 a.m.



CONCERT SERIES

ORCHID SYMPHONY: A LITTLE NIGHT MUSIC

MAGGIE LOUKACHKINA, SOLO PIANO

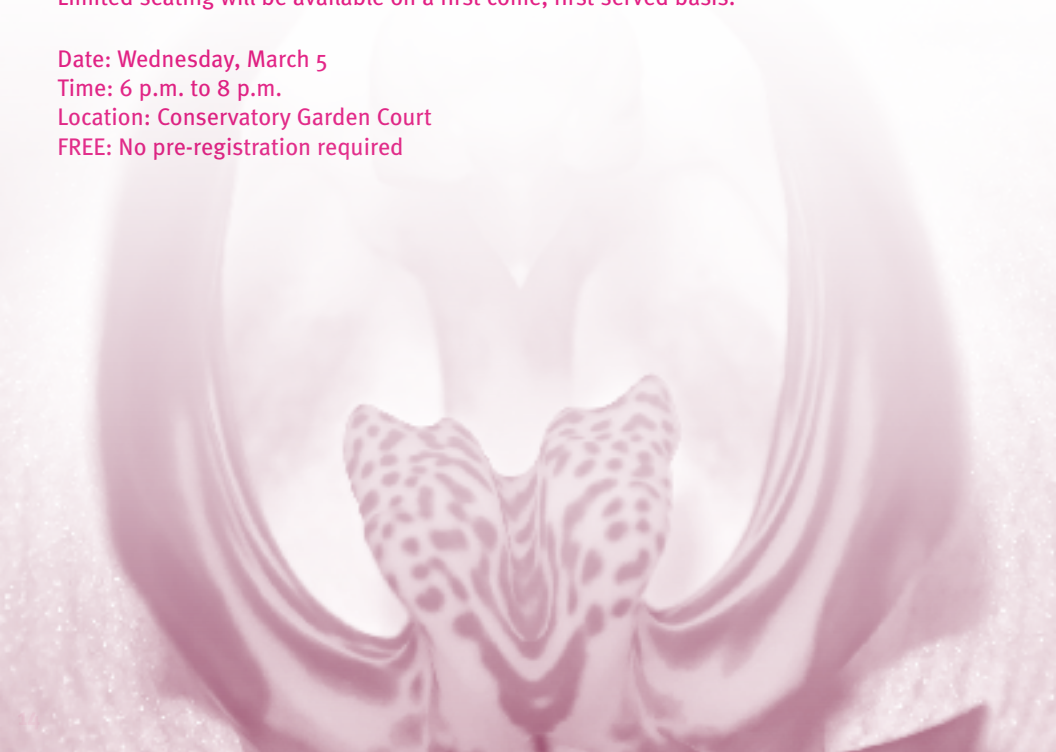
Evenings at the Conservatory are a delight. Come experience the wonder of the USBG's *Orchid Symphony* while listening to the sounds of Maggie Loukachkina. **Please note:** Limited seating will be available on a first come, first served basis.

Date: Wednesday, March 5

Time: 6 p.m. to 8 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



PARENT & CHILD PROGRAM

SNUGGLERS

USBG VOLUNTEER

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 one child in a snuggly. **Please note:** Due to our narrow paths and the nature of this program, we cannot support strollers or siblings.



Date: Thursday, March 6

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, March 13

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, March 20

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, March 27

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

COOKING DEMONSTRATION

WE SAY POTATOES

ADRIENNE COOK, GARDENING AND COOKING WRITER AND DANIELLE COOK, MS, NUTRITIONIST AND COOKING INSTRUCTOR

Join the Cook Sisters to explore the many varieties of potatoes and what each is best for and, of course, a taste of different ways of cooking them up. Whether it's sweet or savory you prefer, the Cook Sisters will have new ideas on what to do with one of nature's staples. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m. on each day.



Date: Thursday, March 6
Time: 12 p.m. to 1:30 p.m.
Location: Conservatory Garden Court
FREE: No pre-registration required

Date: Thursday, March 13
Time: 12 p.m. to 1:30 p.m.
Location: Conservatory Garden Court
FREE: No pre-registration required

WORKSHOP

HOW PLANTS WORK TEACHER TRAINING

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 at the same time you get to take in our *Orchid Symphony* exhibit.

Date: Thursday, March 6
Time: 4:30 p.m. to 7 p.m.
Location: Conservatory Classroom
FREE: Pre-registration required:
Visit www.usbg.gov



SPECIAL EVENT

U.S. BOTANIC GARDEN PRODUCTION FACILITY OPEN HOUSE

USBG STAFF AND VOLUNTEERS

****NOT TO BE MISSED!**** Only once each year do we invite the public 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 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 8

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

LECTURE

ALIENWEEDS: TAPPING THE ABUNDANCE OF INVASIVE PLANTS

PATTERSON CLARK, ARTIST AND WRITER

Habitat restoration often begins with the removal of exotic invasive vegetation, which can yield an abundance of material: paper and fabric fibers, pigments, lumber, chemicals, fuel and food. Patterson Clark will document the processes he uses to turn local invasive weeds into inks, printing blocks and sheets of paper, which reunite at the letterpress to yield prints. Raw and refined materials will be available for a hands-on display.

Date: Saturday, March 8

Time: 1 p.m. to 2 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



Hedera hibernica

TOUR

MID-DAY TOUR IN THE GARDEN OF GOOD AND EVIL: MEDICINAL AND POISON PLANTS AT THE USBG

BETH BURROUS, BIOCHEMIST AND USBG VOLUNTEER

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 life-saving medicines.



Date: Tuesday, March 11

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required

DEMONSTRATION

MEET THE EXPERT: REPOTTING ORCHIDS

CLIVE ATYEO AND/OR ERIC LEAVITT, USBG GARDENERS

What type of potting medium do orchids prefer? How large should the container be? At what stage of growth should they be repotted? Clive Atyeo and Eric Leavitt, expert gardeners with the USBG's orchid collection, will demonstrate orchid repotting and answer your questions about orchid culture. **Please note:** This is an ongoing demonstration and chairs will not be provided.



Date: Wednesday, March 12

Time: 10:30 a.m. to 12:30 p.m.

Location: Conservatory Jungle Overlook

FREE: No pre-registration required

Date: Wednesday, March 26

Time: 10:30 a.m. to 12:30 p.m.

Location: Conservatory Jungle Overlook

FREE: No pre-registration required

LECTURE

SUGAR, SEX AND POISON: SHOCKING PLANT SECRETS CAUGHT ON CAMERA

BILL CULLINA, EXECUTIVE DIRECTOR, COASTAL MAINE BOTANICAL GARDENS

As we all know, plants are at the base of both the human and non-human food chain. Everything eats them directly or indirectly, which may or may not be a good thing as far as plants are concerned. Because they do not move around, it is easy to forget that plants are not helpless. They have evolved an incredible arsenal of chemicals, camouflage, spines, hairs and waxes to discourage herbivores. They spend a huge amount of their energy on pollen, nectar, edible fruits and sugary root exudates designed to attract and nourish animals, insects, fungi and bacteria so they can perform services such as pollination, seed dispersal, defense and nutrient acquisition. It is a carefully balanced natural economy and community based on the products of photosynthesis that is amazing in its complexity and efficiency. In this talk, Bill Cullina will show how this world of pollen, poisons, pigments, pheromones, sugars and sex translates to sound organic practices that can benefit us all.

Date: Friday, March 14

Time: 12 p.m. to 1 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit 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 Choukas-Bradley 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 Choukas-Bradley will share history of the Capitol grounds and the city of Washington throughout the tour. **Please note:** This tour is held outdoors. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains or snows.

Date: Saturday, March 15

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



WORKSHOP

HORTICULTURAL THERAPY: NOTICING THE CONNECTION

LANA DREYFUSS, HTR, LCADC, SEP, CCTP

Lana Dreyfuss, a registered horticultural therapist since 2004, will highlight the benefits of horticultural therapy when applied to concerns of trauma and loss. This workshop will define horticultural therapy as an alternative embodied resource for persons with concerns of their well-being. It will demonstrate how horticultural therapy can help in reconnection after traumatic events. Participants will somatically experience horticultural therapy through a hands-on project designed for traumatic healing.

Date: Sunday, March 16

Time: 1 p.m. to 4 p.m.

Location: Conservatory Classroom

Friends: \$45

Non-members: \$55

Pre-registration required: Visit www.usbg.gov



TOUR

ARTIST TOUR: BOTANICAL PAINTINGS OF THE MID-ATLANTIC

KANDY PHILLIPS, ARTIST

Artists have been intrigued with insects for centuries. We see the painted insects in all their life stages in detailed floral still life paintings, or as stand-alone studies depicting metamorphosis. Join artist Kandy Phillips as she describes her experiences raising the butterflies and moths she paints, and our love/hate relationship with the insect world.

Kandy Vermeer Phillips is a volunteer in the Department of Entomology at the National Museum of Natural History where she curates moths. Her entomology illustrations are included in many scientific publications and her botanical illuminations are a part of the permanent collection of The Hunt Institute for Botanical Documentation, Pittsburgh, Pennsylvania.

Date: Sunday, March 16

Time: 2 p.m. to 3 p.m.

Location: Conservatory East Gallery

FREE: Pre-registration required: Visit www.usbg.gov



LECTURE

SEXUALLY DECEPTIVE AUSTRALIAN ORCHIDS

PETER SMOUSE, DISTINGUISHED PROFESSOR OF ECOLOGY, EVOLUTION & NATURAL RESOURCES, RUTGERS UNIVERSITY

Darwin first described orchid pollination by sexual deception in the 1880s, but the phenomenon remains of interest to this day. The work involves two morphologically cryptic orchids of the Australian genus *Chiloglottis*. The pollinators are a pair of related wasp species of the genus *Neozeloboria*, responding to slightly different sexual cues, somehow 'hijacked' by the flowers. Speciation in the orchids has been almost explosive.

Date: Tuesday, March 18

Time: 12:30 p.m. to 1:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

LECTURE

TREES 101: BACK TO BASICS

ALEX TORRES, USBG EDUCATION TECHNICIAN

Arborists are sometimes called tree doctors. Just like a medical doctor, an arborist must study their "patients" to provide effective care. Identifying trees and understanding their basic biology are critical components in maintaining healthy, happy trees! Join us to learn the basics of better understanding and caring for your trees.

Date: Thursday, March 20

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



CONCERT SERIES

ORCHID SYMPHONY: A LITTLE NIGHT MUSIC

CHRISTOPHER JENKINS, SOLO GUITAR

Evenings at the Conservatory are a delight. Come experience the wonder of the USBG's *Orchid Symphony* while listening to the sounds of Christopher Jenkins. **Please note:** Limited seating will be available on a first come, first served basis.

Date: Friday, March 21

Time: 6 p.m. to 8 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

LECTURE

BANANAS: BOTANY, HISTORY, AGRICULTURE AND FUTURE

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

Bananas are the most popular fruit in the world and a major food staple for hundreds of millions of people in the tropics. Join Todd Brethauer as he traces the 7000-year journey of the banana from the jungles of Southeast Asia to your breakfast table. Learn about how humans have guided the development of the banana into many different types – dessert, plantains, fiber and beer. In the American grocery store, we see only a tiny fraction of the varieties that are grown around the world. Explore how knowledge of the genome of one of the wild ancestors of the cultivated banana helps breeders counter the new fungal, bacterial and viral diseases that threaten production.



Musa acuminata

Date: Saturday, March 22

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

LECTURE

ORCHID SYMPHONY – SECOND MOVEMENT: HISTORY, SLIPPER ORCHIDS AND VANILLA

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

Since before Aristotle and Confucius, humans have been fascinated by orchids, and in some cases have loved them to extinction. Come hear Todd Brethauer talk about Cortes, President Thomas Jefferson and Charles Darwin and the key role they played in our enjoyment and understanding of orchids. Learn about the exotic Slipper Orchids of Asia, Europe and the New World and about the one orchid that we eat – vanilla.



Paphiopedilum
'Magic Lantern'

Todd Brethauer



Todd Brethauer

Vanilla planifolia

Date: Saturday, March 22

Time: 2 p.m. to 3:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

LECTURE

THE LIFE AND TIMES OF NORMAN BORLAUG

**TODD BRETHAUER, USBG SCIENCE
EDUCATION VOLUNTEER**

This lecture commemorates the centenary of Norman Borlaug's birth. His decades of dedicated work, agricultural insights and skill as a plant breeder provided farmers around the world choices in what they planted offering them new paths to higher yields and food and financial security with the right inputs. His honors include the

1970 Nobel Peace Prize and the 2007 Congressional Gold Medal. **Please note:** This lecture is offered twice. The evening lecture is a repeat of the midday lecture.



Date: Tuesday, March 25

Time: 12 p.m. to 1 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

Date: Tuesday, March 25

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

LECTURE

THE RIGHT TREE FOR ME: SELECTING TREES FOR URBAN LANDSCAPES

ALEX TORRES, USBG EDUCATION TECHNICIAN

Feeling confined by your small yard? Need more shade? We have the right tree for you! The right tree, planted in the right place, can offer benefits far beyond enhancing the beauty of your garden. Come spend the hour exploring trees and placement techniques that will help you get the most out of your landscape.

Date: Thursday, March 27

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



LECTURE

PHOTOGRAPHIC SECRETS OF AN ORCHID AND FLOWER LOVER

ALLEN ROKACH, MASTER PHOTOGRAPHER

This lecture will explore the many ways Allen Rokach uses digital photography techniques to open new doors for his creative expression. The audio/visual presentation will emphasize how to develop a new expansive photographic vision. Learn how to use digital cameras and today's simple but amazing after-capture techniques to bring images to even greater artistic heights. **Please note:** Those registered for the Allen Rokach's "Digital Photography as Art" Workshop on March 29–30 are automatically enrolled in this lecture.

Date: Friday, March 28

Time: 6:30 p.m. to 8:30 p.m.

Location: Conservatory Classroom

Friends: \$10

Non-members: \$15

Pre-registration required: Visit www.usbg.gov

WORKSHOP

DIGITAL PHOTOGRAPHY AS ART

ALLEN ROKACH, MASTER PHOTOGRAPHER

In this creative two-day workshop, master photographer and digital artist Allen Rokach shows you how to make digital photography an art form. Great digital photographs need both camera and computer to be truly extraordinary. Using detailed examples and case studies from his own work, Allen shows how to unlock that inner creativity and make special images like the pros! **Please note:** Registration in this two-day workshop includes registration in the Friday, March 28 evening lecture, "Photographic Secrets of an Orchid and Flower Lover." A materials list can be found with the online listing. Please bring a lunch.

Date: Saturday and Sunday, March 29–30

Time: 9 a.m. to 5 p.m.

Location: Conservatory Classroom

Friends: \$185

Non-members: \$200

Pre-registration required: Visit 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. Program in April is a repeat of March.

Dates: Tuesdays, April 1, 8, 15, 22

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov*

***Please note:** Registration opens on Wednesday, March 5 at 10 a.m.



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 March.

Dates: Wednesdays, April 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*

***Please note:** Registration opens on Wednesday, March 5 at 10 a.m.



LECTURE

A WORLD TOUR OF ORCHIDS

**TOM MIRENDA, SMITHSONIAN INSTITUTION
ORCHID COLLECTION SPECIALIST**

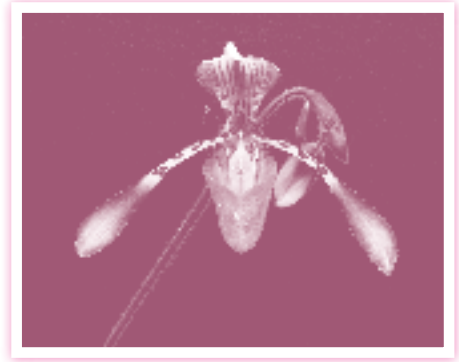
Join Tom Mirenda, Smithsonian Institution's Orchid Collection Specialist, on a whirlwind tour of orchids. Culled from his extensive travels around the globe, Tom will enchant you with tales of the marvelous people and majestic orchids he encountered along the way. From Asia to the Americas, come join the fun on this orchid odyssey!

Date: Wednesday, April 2

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



PARENT & CHILD PROGRAM

SNUGGLERS

USBG VOLUNTEER

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 one child in a snuggly. **Please note:** Due to our narrow paths and the nature of this program, we cannot support strollers or siblings.

Date: Thursday, April 3

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, April 10

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, April 17

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

Date: Thursday, April 24

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

COOKING DEMONSTRATION

SPRING SHOOTS & SEEDS

ADRIENNE COOK, GARDENING AND COOKING WRITER AND DANIELLE COOK, MS, NUTRITIONIST AND COOKING INSTRUCTOR

Picked at just the right time, asparagus and peas are the most sublime harbingers of spring. One is nutty and grassy; the other is sweet and crunchy. Combine them or cook them separately, but don't miss out on these treats, showcased by the Cook Sisters. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m. on each day.

Date: Thursday, April 3

Time: 12 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Date: Thursday, April 17

Time: 12 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

LECTURE

LET'S GET GROWING! PLANTING AND NURTURING CITY TREES

ALEX TORRES, USBG EDUCATION TECHNICIAN

Cement, pollution, people—oh my! Cities can be a scary place for a young tree. Join us in learning the secrets of properly planting and nurturing happy, healthy, well-established city trees.

Date: Thursday, April 3

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



LECTURE

NATURE'S INTERACTIVE WEB: A CONTINUING AND EXCITING SOURCE OF LEADS FOR THE DISCOVERY AND DEVELOPMENT OF NOVEL PHARMACEUTICALS

GORDON CRAGG, NIH SPECIAL VOLUNTEER, NATURAL PRODUCTS BRANCH, NATIONAL CANCER INSTITUTE

Throughout most of history, Nature, especially plants, has provided a source of medicines for the treatment of a wide spectrum of diseases. The serendipitous discovery of penicillin from the fungus, *Penicillium notatum*, in 1929 was a major milestone which ushered in the 'Golden Age of Antibiotics', and microbes have provided indispensable models for the development of other life-transforming drugs, such as the cholesterol-lowering statins. The world's oceans cover more than 70% of the earth's surface, and the marine environment is also proving to be an enormous resource for the discovery of novel, potential chemotherapeutic agents. With the mounting urgency to find new drugs for the treatment of serious infectious diseases and cancer which are rapidly developing resistance to previously effective drugs, the exploration and study of Nature's Pharmacy remains an invaluable resource for addressing these challenges.



Date: Friday, April 4

Time: 12 p.m. to 1 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

CONCERT SERIES

ORCHID SYMPHONY: A LITTLE NIGHT MUSIC

THE RUSSIAN TRIO, CHAMBER MUSIC

Evenings at the Conservatory are a delight. Come experience the wonder of the USBG's *Orchid Symphony* while listening to the sounds of The Russian Trio. **Please note:** Limited seating will be available on a first come, first served basis.

Date: Friday, April 4

Time: 6 p.m. to 8 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

LECTURE

ORCHID SYMPHONY – THIRD MOVEMENT: BREEDING, NEW TECHNOLOGY AND THE EPIDENDROID ORCHIDS

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

With their ability to successfully hybridize across species and even genus lines, orchids provide breeders a remarkable pallet from which they have produced more than 100,000 varieties to delight our eyes and noses. Come learn about how modern technology has revolutionized orchid production bringing plants to your local retailer for only a few dollars. The lecture will highlight examples from the enormous Epidendroid subfamily of orchids from around the world and finish with a discussion of growing orchids in your home.

Date: Saturday, April 5

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



Masdevallia spp

Todd Brethauer



Rhyncholaeliocattleya 'Golden Sands'

Todd Brethauer

CHILDREN'S PROGRAM

JUNGLE TALES

ANTONIO ROCHA, STORYTELLER AND MIME PERFORMER

Take a wild trip into the jungle with storyteller and mime performer Antonio Rocha. His performances celebrate nature and the environment and are brought to life through his fantastic sound effects and movements which leave his audiences spellbound. **Please note:** This program will be offered twice, once at 1:30 and again at 2:30. The 2:30 performance is a repeat of the 1:30 performance.

Date: Sunday, April 6

Time: 1:30 p.m. to 2:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

Date: Sunday, April 6

Time: 2:30 p.m. to 3:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



TOUR

LUNCHTIME TOUR OF THE CONSERVATORY

USBG VOLUNTEERS

What do manila folders, Chanel No. 5, vanilla and fossil fuels have in common? They all come from plants on permanent display in the USBG Conservatory. 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.

Dates: Mondays, April 7, 14, 21, 28

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required

Dates: Wednesdays, April 2, 9, 16, 23, 30

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



TOUR

MID-DAY TOUR IN THE GARDEN OF GOOD AND EVIL: MEDICINAL AND POISON PLANTS AT THE USBG

BETH BURROUS, BIOCHEMIST AND USBG VOLUNTEER

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 life-saving medicines.

Date: Tuesday, April 8

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



BOOK TALK

ONE-TON PUMPKINS, ARSENIC-EATING FERNS, FRUIT COCKTAIL TREES AND OTHER MARVELS

RUTH KASSINGER, AUTHOR OF *Paradise Under Glass* AND *A Garden of Marvels*

Ruth Kassinger tells stories of amazing plants – and the science behind them – from her most recent book, *A Garden of Marvels: How We Discovered that Flowers Have Sex, Leaves Eat Air, and Other Secrets of Plants*. Discover what it takes to grow a one-ton pumpkin, how ferns helped remediate arsenic-laced soil near American University, and how one woman bred the first truly black petunia. Hear the story of the world's only photosynthesizing animal, a green sea slug.



Date: Friday, April 11

Time: 12 p.m. to 1 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

ART WORKSHOP

DRAWING CHERRY BLOSSOMS

**MARY ELLEN CARSLY, ARTIST, VISUAL
ARTS COORDINATOR AT SEVERN SCHOOL**

This workshop explores the beauty and subtle color and form of one of Washington, DC's greatest treasures, the cherry blossom. Open to students of all experience levels the workshop includes basic drawing techniques with a study of values to capture form and color. Basic plant anatomy, botanical illustration techniques as well as simple color theory and an exploration of composition principles in both Eastern and Western art traditions will be discussed. A



variety of dry and wet media will be used and exciting mixed media techniques introduced. **Please note:** A materials list can be found with the online listing. Please bring a lunch.

Dates: Saturday and Sunday, April 12–13

Time: 9 a.m. to 4:30 p.m.

Location: Conservatory Classroom

Friends: \$150

Non-members: \$175

Pre-registration required: Visit www.usbg.gov

TOUR

ARTIST TOUR: BOTANICAL PAINTINGS OF THE MID-ATLANTIC

MARY PAGE HICKEY, ARTIST

Join Mary Page Hickey on an engaging tour of the *Botanical Paintings of the Mid-Atlantic* exhibition, explaining the artistic aspects of the works and the horticultural benefits of planting and protecting our natives. During the tour, learn how her passion for plants has led to the historical and scientific study of plants via botanical painting.

Mary Page Hickey is a former horticultural consultant. She is the vice president of Botanical Artists for Education and the Environment (BAEE) and has recently published a book titled American Botanical Paintings: Native Plants of the Mid Atlantic. She is a member of the American Society of Botanical Artists and the Botanical Art Society of the National Capital Region. She recently received the prestigious Horticultural Arts Award from the Garden Club of America.



Date: Sunday, April 13

Time: 2 p.m. to 3 p.m.

Location: Conservatory East Gallery

FREE: Pre-registration required: Visit www.usbg.gov

CONCERT SERIES

ORCHID SYMPHONY: A LITTLE NIGHT MUSIC

LAURA STOKES, SOLO HARP

Evenings at the Conservatory are a delight. Come experience the wonder of the USBG's *Orchid Symphony* while listening to the sounds of Laura Stokes. **Please note:** Limited seating will be available on a first come, first served basis.

Date: Friday, April 18

Time: 6 p.m. to 8 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

CHILDREN'S PROGRAM

A SYMPHONY OF ORCHIDS WORKSHOP FOR YOUTH

**LEE COYKENDALL, USBG CHILDREN'S EDUCATION
SPECIALIST**

Orchids enchant both artists and scientists. Join us for a hands-on workshop during which students will dissect orchids, learn of their many mysteries and then, using multiple mediums, will create art inspired by our *Orchid Symphony* exhibit. **Please note:** This workshop is intended for students ages 7 to 14. Accompanying adults should be on-site for the duration of the workshop.

Date: Saturday, April 19

Time: 10:30 a.m. to 12:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



FESTIVAL

CELEBRATE EARTH DAY!

USBG STAFF & VOLUNTEERS

Join us as the U.S. Botanic Garden celebrates the 44th anniversary of Earth Day! Come enjoy cooking demonstrations with seasonal produce 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 25

Time: 10 a.m. to 2 p.m.

Location: Conservatory Terrace (Rain Location
Conservatory Garden Court and West Gallery)

FREE: No pre-registration required



WORKSHOP

CAN YOU ID A TREE?

MELANIE CHOUKAS-BRADLEY, AUTHOR OF CITY OF TREES

Join *City of Trees* author and teacher Melanie Choukas-Bradley for a Friday evening tree ID workshop, followed by a Saturday morning tree ID session in the USBG Regional Garden. Spring is the perfect time to dust off your tree ID skills and there is no better place for study than the USBG's Regional Garden with its many native woody plant species. On Friday evening, Melanie will teach tree ID basics specific to our Washington, D.C., native and cultivated tree populations. On Saturday morning, she'll lead the class through the Regional Garden to practice these new skills among the native trees in full leaf and flower. Bring a bag lunch to enjoy in the garden after the tour. **Please note:** Registrants will receive a copy of *City of Trees* for use as a guide during this course. This course will be limited to 20 participants. Participants are invited to bring a bag lunch on Saturday to eat with Melanie after the program.

Date: Friday and Saturday, April 25 and 26

Time: 6:30 p.m. to 8:30 p.m. on Friday and
10 a.m. to 1 p.m. on Saturday

Location: Lecture will meet in the Conservatory Classroom; Tour will meet on the Terrace by the entrance to the Conservatory

Friends: \$20

Non-Members: \$25

Pre-registration required: Visit www.usbg.gov



ART WORKSHOP

MID-ATLANTIC NATIVE SPECIES AND THEIR POLLINATORS

CAROL BEACH, ARTIST

Join Carol Beach for this two-day painting and drawing workshop on mid-Atlantic flora and their pollinators. Both native species and their pollinators are suffering due to loss of habitat, and there is currently a movement to encourage the planting of native species and save their pollinators. Using the Botanic Garden collection, the class will draw and study the plants and their relationship to their pollinators. Students will sketch plants, and then develop the sketches into complete colored drawings or paintings. The finished project will be a drawing or painting of a native species and its pollinator. **Please note:** A materials list can be found with the online listing. Please bring a lunch.

Dates: Saturday and Sunday, April 26–27

Time: 9 a.m. to 4:30 p.m.

Location: Conservatory Classroom

Friends: \$150

Non-members: \$175

Pre-registration required: Visit www.usbg.gov



TOUR

THE USBG NATIONAL GARDEN

**ALEX TORRES, USBG EDUCATION
TECHNICIAN**

A natural complement to the U.S. Botanic Garden, the National Garden highlights the amazing diversity of American plants, drawing inspiration from the environments of the Mid-Atlantic region. Conceived as an outdoor laboratory for gardening in harmony with natural ecosystems, the National Garden opened

in the fall of 2006. Join Alex Torres and explore this undiscovered treasure of the U.S.

Botanic Garden. **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: Thursdays, May 1, 8, 15, 22, 29

Time: 10:30 a.m. to 11:15 a.m.

Location: Tour will meet on the Terrace by the entrance to the Conservatory

FREE: No pre-registration required

WORKSHOP

HOW PLANTS WORK TEACHER TRAINING

**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.



Date: Thursday, May 1

Time: 4:30 p.m. to 7 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

FESTIVAL

CELEBRATE HERBDAY!

USBG STAFF & VOLUNTEERS

Spend the day in the Conservatory celebrating herbs, discovering the significance of herbs in our lives and the many ways herbs can be used safely and creatively for health, beauty and culinary enjoyment. Enjoy demonstrations, activities and information tables throughout the Conservatory. You won't want to miss this amazing opportunity to learn more about herbs!

Date: Saturday, May 3

Time: 10 a.m. to 3 p.m.

Location: Conservatory

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, fringe-trees, buckeyes, horse-chestnuts 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 or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).



Date: Sunday, May 4

Time: 10 a.m. to 1 p.m.

Location: Tour meets on the Terrace by the entrance to the USBG Conservatory

FREE: Pre-registration required: Visit www.usbg.gov

TOUR

LUNCHTIME TOUR OF THE CONSERVATORY

USBG VOLUNTEERS

What do manila folders, Chanel No. 5, vanilla and fossil fuels have in common? They all come from plants on permanent display in the USBG Conservatory. 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.

Dates: Mondays, May 5, 12, 19

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required

Dates: Wednesdays, May 7, 14, 21, 28

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. Program in May is a repeat of March and April.

Dates: Tuesdays, May 6, 13, 20, 27

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov*

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



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 March and April.

Dates: Wednesdays, May 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*

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



LECTURE

NATIVE PERENNIALS WITH BLING

**STEPHANIE COHEN, LECTURER
AND AUTHOR OF *The Perennial
Gardener's Design Primer* AND
*Fallscaping: Extending your
Garden Season into Autumn***

Native plants and their cultivars provide support for wildlife and are ecologically great and sustainable. They also have great color, gorgeous forms and beautiful textures; that, my fellow gardeners, adds up to bling!

Yes, this may be something new to consider, but natives are as showy and talented as all of the

other perennials that gardeners think are so special. They even have exciting personalities. Come listen to Stephanie Cohen, “The Perennial Diva”, as she tells it like it is and lets the dirt fly. Join in the fun of putting perennial natives in their proper place!



Date: Friday, May 9

Time: 12 p.m. to 1:15 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

LECTURE

THE ESTABLISHMENT AND SUSTAINABILITY OF GREEN ROOFS

DR. STEVEN COHAN, PROFESSOR OF PRACTICE, PLANT SCIENCE AND LANDSCAPE ARCHITECTURE, UNIVERSITY OF MARYLAND

Dr. Steven Cohan is an expert in green roof establishment and sustainability. At the University of Maryland he is the coordinator of the Landscape Management program and a professor in the Department of Plant Science and Landscape Architecture. Come hear him discuss the ins and outs of green roofs.

Date: Saturday, May 10

Time: 10:30 a.m. to 11:30 a.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov

CHILDREN'S PROGRAM

LUNCHBOX GARDEN WORKSHOP

LEE COYKENDALL, USBG CHILDREN'S EDUCATION SPECIALIST

Let's plant lunch! Students will learn about soil, how to transplant and care for seedlings and where our food comes from. Participants will create and take away their own lunchbox garden. **Please note:** Children must be accompanied by an adult. Participating children must be at least 6 years of age.

Date: Saturday, May 10

Time: 1:30 p.m. to 3:30 p.m.

Location: Children's Garden

FREE: Pre-registration required: Visit www.usbg.gov

TOUR

MOTHER'S DAY TOUR OF THE ROSE GARDEN

SHARON HANES, ROSARIAN AND USBG VOLUNTEER

Is your mom breathtakingly beautiful, a real sweetheart, charming, 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 (heat index of 95 degrees or higher/Code Red weather alert).

Date: Sunday, May 11

Time: 12 p.m. to 1 p.m.

Location: National Garden Lawn Terrace

FREE: Pre-registration required: Visit www.usbg.gov



Rosa 'Heritage'

TOUR

ARTIST TOUR: BOTANICAL PAINTINGS OF THE MID-ATLANTIC

ESTHER CARPI, BOTANICAL ARTIST

Sketching native plants in their natural habitat can be tricky. What documentation is needed in the field to enable one to finish a plant portrait? Join Esther Carpi as she shares her sketchbook drawings and the notations that help her capture the information necessary to complete a botanical portrait.

Esther is a member of the American Society of Botanical Artists and the Botanical Art Society of the National Capital Region. Her botanical illustrations have been exhibited at the U.S Botanical Gardens in Washington DC, the Athenaeum in Alexandria and the Jefferson Library at Monticello. Esther has a Certificate in Botanical Art from the Corcoran College of Art and Design.



Date: Sunday, May 11

Time: 2 p.m. to 3 p.m.

Location: Conservatory East Gallery

FREE: Pre-registration required: Visit www.usbg.gov

CHILDREN'S PROGRAM

CELEBRATE MOTHER'S DAY WITH THE USBG!

LEE COYKENDALL, USBG CHILDREN'S EDUCATION SPECIALIST

As part of your Mother's Day celebration, come spend an afternoon in the Garden where we will explore the special relationship we have with plants. Participants will create art with materials and go on a guided tour. Sample the delicious products resulting from some of these special people-plant relationships. **Please note:** This is a child-parent program. Participating children must be at least 8 years of age.

Date: Sunday, May 11

Time: 2:30 p.m. to 4:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



TOUR

MID-DAY TOUR IN THE GARDEN OF GOOD AND EVIL: MEDICINAL AND POISON PLANTS AT THE USBG

BETH BURROUS, BIOCHEMIST AND USBG VOLUNTEER

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 life-saving medicines.

Date: Tuesday, May 13

Time: 12 p.m. to 1 p.m.

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



COOKING DEMONSTRATION

SENSATIONAL STRAWBERRIES

ADRIENNE COOK, GARDENING AND COOKING WRITER AND DANIELLE COOK, MS, NUTRITIONIST AND COOKING INSTRUCTOR

Mince them, mash them, wiz them, bake them, cook them, serve them fresh – whatever you do with strawberries, they'll awaken the palate and leave you begging for more. Join the Cook Sisters as they bring you new ideas to prepare these favorite summer berries. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m. on each day.

Date: Thursday, May 15

Time: 12 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Date: Thursday, May 22

Time: 12 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required

FESTIVAL

CELEBRATE ENDANGERED SPECIES DAY!

THE U.S. BOTANIC GARDEN HOSTS THE ENDANGERED SPECIES COALITION

Come learn about the USBG's endangered species and native plant collections, join in children's activities focused on endangered plants and pollinators, and walk away with inspiring activities that you can do at home to help protect the planet.

The day is an opportunity to learn about protecting endangered species and how everyday actions can help conserve our nation's disappearing plant species. Plants are not optional!



Date: Friday, May 16

Time: 10 a.m. to 2 p.m.

Location: Conservatory

FREE: No pre-registration required

TOUR

A SWEET EVENING AT THE USBG

BETH BURROUS, BIOCHEMIST & USBG VOLUNTEER

Like sweets? Curious about sugary substances from plants with names like jaggery, treacle and panela? Join Beth Burrous on a tour of the Conservatory highlighting plants from around the world that impart flavor to sweet foods. Explore and discuss plants like sugar cane, coconut palm, papaya, banana, tamarind, ginger, allspice, coffee and chocolate, and sample sweets along the way!

Date: Friday, May 16

Time: 5 p.m. to 7 p.m.

Location: Conservatory Garden Court

FREE: Pre-registration required: Visit www.usbg.gov

TOUR

THE USBG ROSE GARDEN

SHARON HANES, ROSARIAN AND USBG VOLUNTEER

Beautiful, versatile, 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 organic 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 or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

Date: Tuesday, May 20

Time: 12 p.m. to 1 p.m.

Location: Tour meets on the National Garden Lawn Terrace

FREE: No pre-registration required

Date: Thursday, May 22

Time: 4 p.m. to 5 p.m.

Location: Tour meets on the National Garden Lawn Terrace

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 24

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.org



Sarracenia leucophylla x alata

Todd Brethauer

Upcoming Events in Early June

Mark your calendars for these programs in Early June!

LECTURE

THRIVING CURBSIDE GARDENS

EVELYN HADDEN, NATIONAL SPEAKER AND AWARD-WINNER AUTHOR

Hellstrips, driveways, alleys, and other curbside locations present many challenges, but they can host thriving gardens. These spaces, though small, can have disproportionately large impact, making a beautiful first impression even as they provide beneficial services like stormwater absorption, dustbreaks, and pollinator habitat. In a presentation based on her new book *Hellstrip Gardening*, Evelyn Hadden showcases creative solutions, highlights curbside-worthy plants, and lays out strategies for addressing common challenges including street trees, poor soil, laws and covenants, unsightly equipment, pedestrian traffic, and more.

Date: Sunday, June 1

Time: 2 p.m. to 3 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



LECTURE

DEEP ROOTED: STORIES OF OLD GARDENERS & LESSONS FOR MODERN GARDENERS

JENKS FARMER, HORTICULTURIST, GARDEN DESIGNER AND FARMER

Gardening and farming have changed dramatically in the last 50 years. But the more things change, the more we realize that sometimes the old ways were best. Jenks Farmer will tell stories he's collected from old gardeners, recount how their lessons hold up against modern research and show how he uses these lessons in design to build earth-friendly, forward-thinking gardens.

Date: Friday, June 6

Time: 6:30 p.m. to 7:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov



LECTURE

**HAWAII: A BOTANICAL PARADISE
IN THE MIDDLE OF THE SEA**

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

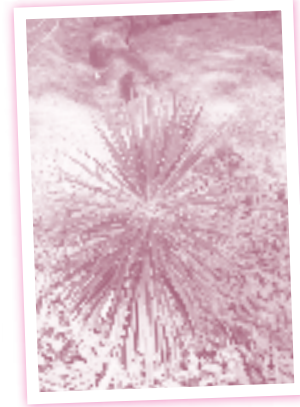
In celebration of Kamehameha Day, join Todd Brethauer in an informative lecture on the evolutionary forces that shaped Hawaii's unique native plant communities. Highlights include how the arrival of humans and their animal companions changed the botanical landscape, and how the early Hawaiians used the 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: Saturday, June 7

Time: 10:30 a.m. to 12 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



Wilkesia hobdyi

Todd Brethauer



Todd Brethauer

LECTURE

**A GRAIN OF WISDOM:
BOTANY, EVOLUTION
AND THE HISTORY OF CEREAL CROPS**

TODD BRETHAUER, USBG SCIENCE EDUCATION VOLUNTEER

From the earliest days of agriculture, cereal crops have played central roles in civilizations around the world – wheat, rice, barley, rye, oats, corn, sorghum, tef and the millets. As part of the USBG's *Amber Waves of Grain* terrace show, come join Todd Brethauer to learn about the botany, evolution, ecology, physiology and human uses of the grass family.

How have human actions changed the plants over thousands of years and what are the challenges facing plant breeders over the next 100 years?

Date: Saturday, June 7

Time: 2 p.m. to 3:30 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



Triticum aestivum 'Consort'

Todd Brethauer

LECTURE

OUR PRIZED NATIVE AZALEAS

STEVEN KRISTOPH, NURSERY OWNER, ADJUNCT INSTRUCTOR DEPARTMENT OF LANDSCAPE ARCHITECTURE, RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Are your favorite colors bright red, orange or yellow? Or do you prefer soft pastel pink or maybe pure white? Does the sweet smell of honeysuckle appeal to you? And fall foliage...do like that? If these ornamental features are what you are seeking for your garden, consider our prized native azaleas. There are 17 species native to the US, all but two are found east of the Mississippi. Let Steven Kristoph teach you about these wonderful garden plants, their culture, care and how to place them in the landscape.

Date: Friday, June 13

Time: 12 p.m. to 1 p.m.

Location: Conservatory Classroom

FREE: Pre-registration required: Visit www.usbg.gov



USBG Programs on Your Schedule

GARDEN TOURS ON YOUR MOBILE PHONE

Now you can have a private tour of the gardens and plants at the U.S. Botanic Garden Conservatory and National Garden. You are invited to use this tour when you visit or listen from home.

How the tour works:

- Call the tour number: 202-730-9303.
- Enter the stop number from the Conservatory or National Garden to hear the message.
- Smartphone users: After dialing the tour number, you will be sent a text message with instructions for streaming audio access.

CONSERVATORY

- 1 – USBG Brief History
- 10 – Garden Court
- 20 – West Gallery
- 30 – Rare & Endangered Plants
- 40 – Plant Exploration
- 50 – Orchids
- 60 – Medicinal Plants
- 70 – World Deserts
- 80 – Hawaii
- 90 – Garden Primeval
- 100 – Plant Adaptation
- 120 – Children’s Garden
- 130 – Jungle
- 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

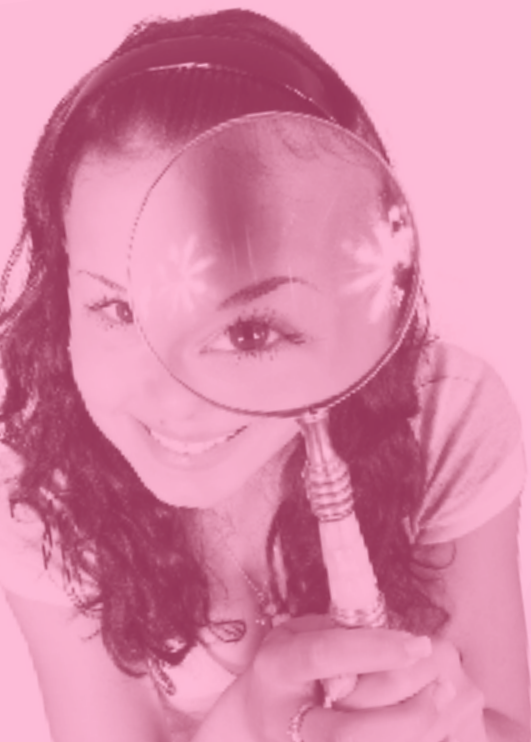
You may hang up and redial the tour at anytime. During the tour, you can control the audio by pressing 1 to rewind the recording, 2 to pause/play the recording, or press # to skip the recording.

Normal fees apply to your call.

JUNIOR BOTANIST HAS RETURNED!

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.

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



Certificate in Botanical Art + Illustration

CERTIFICATE PROGRAM: 10 CREDITS OF REQUIRED COURSES AND 5 CREDITS OF ELECTIVE COURSES (15.0 CREDITS TOTAL)

The Corcoran College of Art + Design, in partnership with the U.S. Botanic Garden, is proud to offer a certificate in botanical art and illustration. This program provides an in-depth focus on the traditions, techniques and history of botanical art and illustration. Students have the opportunity to study contemporary concepts and materials, and to integrate this knowledge into the well-established and highly regarded field of botanical art and illustration.

Beginning foundation courses emphasize the accurate and detailed depiction of botanical forms. This group of electives, including watercolor, oil painting, clay and photography, will broaden each student's experience and knowledge. Courses are taught at both the Corcoran's Georgetown and Downtown campuses, as well as hosted at the United States Botanic Garden.

SEVEN (7) REQUIRED COURSES FOR A TOTAL OF 10.0 CREDITS:

BG2200	Botany for Illustrators	(1 credit)
DR1400	Introduction to Botanical Drawing	(1.5 credits)
DR1000-level	Any drawing course	(1.5 credits)
DR1260	Color Theory	(1.5 credits)
DR2400	Intermediate Botanical Drawing	(1.5 credits)
PT1350	Introduction to Botanical Painting	(1.5 credits)
PT2400	Intermediate Botanical Painting	(1.5 credits)

A MAXIMUM OF 10 ELECTIVE COURSES FOR A TOTAL OF 5.0 CREDITS MAY BE CHOSEN FROM THE FOLLOWING:

DR160x/DR360x	Special Topics in Botanical Illustration
PT160x/PT360x	Special Topics in Botanical Illustration
	Any 1000-level or above "BG" course

If you are interested in taking a class offered at the USBG for credit toward the Certificate in Botanical Art and Illustration, please register with the Corcoran College of Art + Design at 202-639-1820 or www.corcoran.edu/ce. The USBG will accept only noncredit registrations.



WHAT IS 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 National Garden Internship, an annual program that promotes “green” gardening practices through education and outreach.

Find out more at www.nfusbg.org.

PARTNERS IN EDUCATION: THE USBG AND THE NATIONAL FUND

The U.S. Botanic Garden and the National Fund for the United States Botanic Garden jointly sponsor our public programs. Registration fees for programs are administered by the National Fund for the USBG. These fees allow us to bring you a range of educational programs, in addition to outstanding instructors and lecturers. To ensure that we may adequately plan for your attendance, please register in advance for programs. Programs with inadequate registration may be canceled. Payment cannot be accepted at the door.

Become a Friend of the National Fund

Please join us by becoming a Friend of the National Fund and help us fund the U.S. Botanic Garden’s many on-site environmental and outreach programs. Contributions are tax-deductible. Membership benefits are listed below:

CAPITOL FRIEND (\$1,000 PER YEAR)

- Invitation to the members-only Holiday Party
- Five complimentary guest admissions to the Spring reception
- All membership benefits listed below

NATIONAL FRIEND (\$500 PER YEAR)

- Invitation to the members-only Holiday Party
- Three complimentary guest admissions to the Spring reception
- All membership benefits listed below

FIRST FRIEND (\$250 PER YEAR)

- Invitation to the members-only Holiday Party
- One complimentary guest admission to the Spring reception
- All membership benefits listed below

JUNIOR FRIEND (FOR FIRST FRIENDS UNDER 40; \$150 PER YEAR)

- Invitation to the members-only Holiday Party
- One complimentary guest admission to the Spring reception
- All membership benefits listed below

FRIEND (\$75 PER YEAR)

- Invitation to the members-only Holiday Party
- Discounted registration fees for educational programs sponsored by the USBG
- Discounted tickets to special events sponsored by the National Fund
- Quarterly USBG Calendar of Events

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.
- 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.

USBG PROGRAM REGISTRATION FORM

Please print

Name: Mr. & Mrs./Mr./Ms. _____

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

Title	# of Participants	Fees
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____

FRIEND membership _____

Make check payable to NFUSBG or charge to

Visa Mastercard Discover

Total Fees _____

Card Number _____ Expiration Date _____

Signature _____

Mail registration form to: Registrar, U.S. Botanic Garden, 245 First St., SW, Washington, DC 20024

UNITED
STATES



BOTANIC
GARDEN

245 First Street, SW
Washington, DC 20024