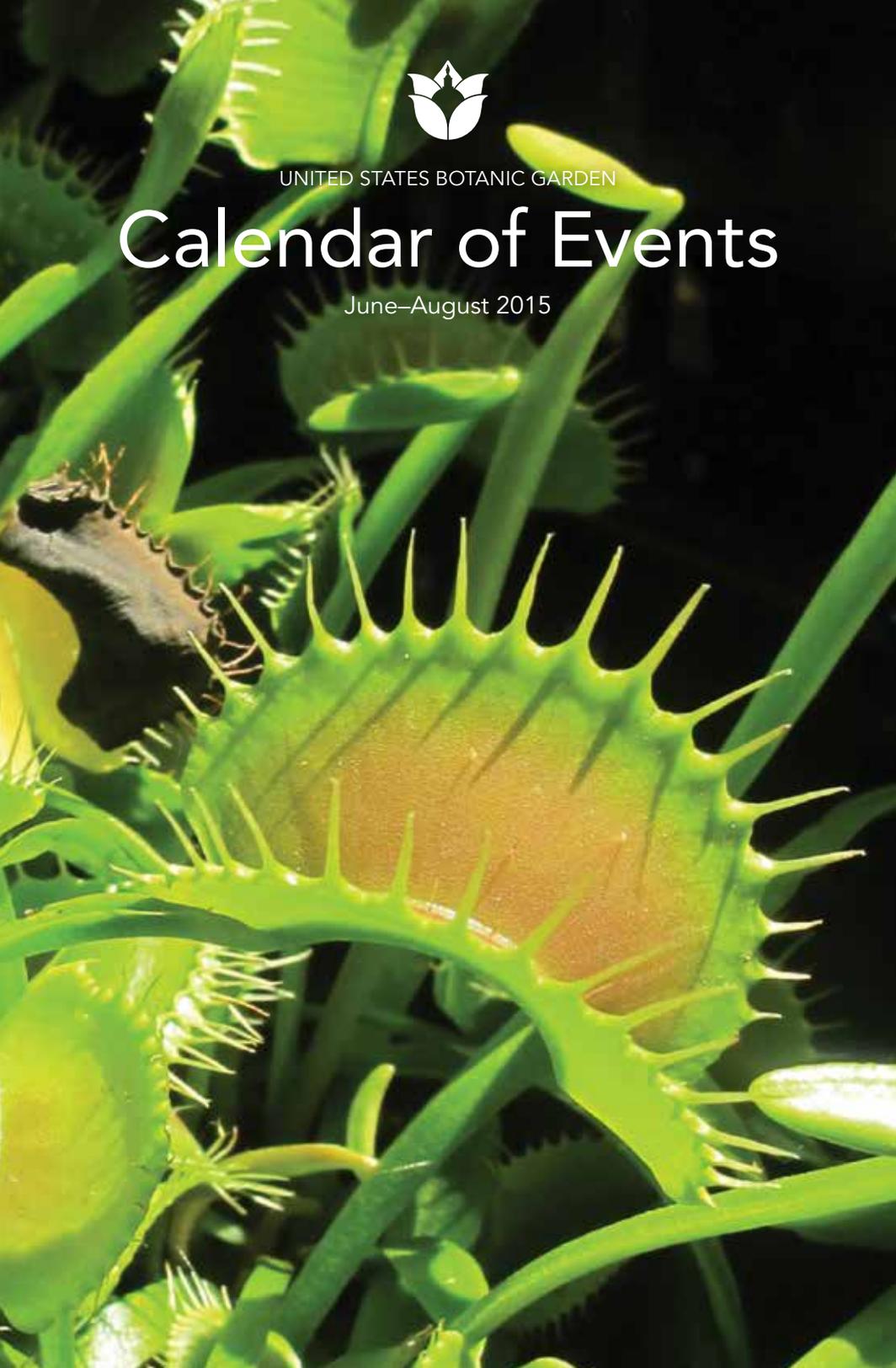




UNITED STATES BOTANIC GARDEN

Calendar of Events

June–August 2015



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, Silver 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) 225-2055. Groups of 10 to 25 adults may reserve a free 45-minute guided tour of the Conservatory Monday through Friday.

The USBG strives to make its facilities and programming **accessible** to all visitors to ensure a successful museum 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 at 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

At a Glance

Programs are listed by starting date.

Starting Date	Time	Title	Page
June			
1	12:00 p.m.	Lunchtime Tour of the Conservatory	11
2	2:00 p.m.	Tour: An Afternoon in the Garden	11
3	12:00 p.m.	Lunchtime Tour of the Conservatory	11
3	1:00 p.m.	Demonstration: Meet Our Carnivorous Plants	12
5	10:30 a.m.	Special Event: Buried Treasures	12
5	12:00 p.m.	Lunchtime Tour of the Conservatory	11
6	10:00 a.m.	Demonstration: Lei-Making	13
6	10:30 a.m.	Lecture: Hawaii: A Botanical Paradise	13
6	10:30 a.m.	Fitness Event: Practice with Love Yoga	14
6	2:00 p.m.	Lecture: Eat (and Grow) Your Vegetables	14
7	1:30 p.m.	Lecture: Botanical Art & Exploring North America	15
8	12:00 p.m.	Lunchtime Tour of the Conservatory	11
9	2:00 p.m.	Tour: An Afternoon in the Garden	11
10	12:00 p.m.	Lunchtime Tour of the Conservatory	11
11	12:00 p.m.	Cooking Demonstration: Inspired Asparagus	15
11	5:00 p.m.	Concert Series: American Root Music	15
12	12:00 p.m.	Lunchtime Tour of the Conservatory	11
12	12:00 p.m.	Lecture: A Year in Rock Creek Park	16
13	10:00 a.m.	Festival: Roots: A Celebration!	16
13	10:30 a.m.	Fitness Event: Practice with Love Yoga	14
15	12:00 p.m.	Lunchtime Tour of the Conservatory	11
16	12:00 p.m.	Tour: Medicinal & Poison Plants	17
16	2:00 p.m.	Tour: An Afternoon in the Garden	11
17	10:30 a.m.	Tour: Explore with the Executive Director	17
17	11:00 a.m.	Tour: The U.S. Botanic Garden Production Facility	17
17	12:00 p.m.	Lunchtime Tour of the Conservatory	11
19	10:30 a.m.	Special Event: Pollinator Party!	18
19	12:00 p.m.	Lunchtime Tour of the Conservatory	11
19	12:00 p.m.	Special Event: Pollinator Party!	18
19	12:00 p.m.	Lecture: The Right Soils and Fertilizer	18
20	10:30 a.m.	Fitness Event: Practice with Love Yoga	14

Continued on next page

Starting Date	Time	Title	Page
20	11:00 a.m.	Concert: The Songs and Pua of Hawaii	19
22	12:00 p.m.	Lunchtime Tour of the Conservatory	11
23	2:00 p.m.	Tour: An Afternoon in the Garden	11
24	10:30 a.m.	Tour: <i>Exposed Exposed</i>	19
24	12:00 p.m.	Lunchtime Tour of the Conservatory	11
24	2:00 p.m.	Tour: The Art & History of the USBG	20
25	12:00 p.m.	Cooking Demonstration: Unbeatable Beans	20
25	5:00 p.m.	Concert Series: American Root Music	20
26	10:30 a.m.	Tour: Curator's "Cura-Tour" of the National Garden	21
26	12:00 p.m.	Lunchtime Tour of the Conservatory	11
27	10:30 a.m.	Fitness Event: Practice with Love Yoga	14
29	12:00 p.m.	Lunchtime Tour of the Conservatory	11
30	10:30 a.m.	Tour: "Perim-a-Tour" of the National Garden	21
30	2:00 p.m.	Tour: An Afternoon in the Garden	11
July			
1	12:00 p.m.	Lunchtime Tour of the Conservatory	22
1	1:00 p.m.	Demonstration: Meet Our Carnivorous Plants	22
3	12:00 p.m.	Lunchtime Tour of the Conservatory	22
6	12:00 p.m.	Lunchtime Tour of the Conservatory	22
7	12:00 p.m.	Tour: Medicinal & Poison Plants	23
7	2:00 p.m.	Tour: An Afternoon in the Garden	22
8	12:00 p.m.	Lunchtime Tour of the Conservatory	22
8	2:00 p.m.	Tour: The Art & History of the USBG	23
9	12:00 p.m.	Cooking Demonstration: Just Peachy	23
9	5:00 p.m.	Concert Series: American Root Music	24
10	12:00 p.m.	Lunchtime Tour of the Conservatory	22
11	10:30 a.m.	Fitness Event: Practice with Love Yoga	24
13	12:00 p.m.	Lunchtime Tour of the Conservatory	22
14	2:00 p.m.	Tour: An Afternoon in the Garden	22
15	10:30 a.m.	Tour: <i>Exposed Exposed</i>	24
15	12:00 p.m.	Lunchtime Tour of the Conservatory	22
17	12:00 p.m.	Lunchtime Tour of the Conservatory	22
18	10:30 a.m.	Fitness Event: Practice with Love Yoga	24
18	11:00 a.m.	Children's Workshop: Fun with Flowers & Photography	25
18	2:00 p.m.	Children's Workshop: Fun with Flowers & Photography	25
20	9:00 a.m.	Art Workshop: Drawing & Painting Orchids	26

Starting Date	Time	Title	Page
20	12:00 p.m.	Lunchtime Tour of the Conservatory	22
21	2:00 p.m.	Tour: An Afternoon in the Garden	22
22	10:30 a.m.	Tour: <i>Exposed Exposed</i>	26
22	12:00 p.m.	Lunchtime Tour of the Conservatory	22
23	12:00 p.m.	Cooking Demonstration: We Say Tomatoes	27
23	5:00 p.m.	Concert Series: American Root Music	27
24	12:00 p.m.	Lunchtime Tour of the Conservatory	22
25	10:30 a.m.	Fitness Event: Practice with Love Yoga	24
25	10:30 a.m.	Special Event: Buried Treasures	27
27	12:00 p.m.	Lunchtime Tour of the Conservatory	22
28	2:00 p.m.	Tour: An Afternoon in the Garden	22
29	12:00 p.m.	Lunchtime Tour of the Conservatory	22
30	5:00 p.m.	Tour: Trees of the Regional Garden	28
31	12:00 p.m.	Lunchtime Tour of the Conservatory	22
August			
1	10:30 a.m.	Fitness Event: Practice with Love Yoga	28
1	2:00 p.m.	Lecture: Legumes: Life with Special Roots	29
3	12:00 p.m.	Lunchtime Tour of the Conservatory	29
4	2:00 p.m.	Tour: An Afternoon in the Garden	29
5	12:00 p.m.	Lunchtime Tour of the Conservatory	29
5	1:00 p.m.	Demonstration: Meet Our Carnivorous Plants	30
6	12:00 p.m.	Cooking Demonstration: Peach Passion	30
7	12:00 p.m.	Lunchtime Tour of the Conservatory	29
8	10:00 a.m.	Workshop: Pickled Carrots Two Ways	30
8	10:30 a.m.	Fitness Event: Practice with Love Yoga	28
8	1:00 p.m.	Workshop: An Introduction to Preserving Beets	31
10	12:00 p.m.	Lunchtime Tour of the Conservatory	29
11	2:00 p.m.	Tour: An Afternoon in the Garden	29
11	5:00 p.m.	Concert Series: American Root Music	31
12	12:00 p.m.	Lunchtime Tour of the Conservatory	29
13	10:30 a.m.	Tour: A Walk through Southern Exposure	32
14	12:00 p.m.	Lunchtime Tour of the Conservatory	29
15	10:30 a.m.	Fitness Event: Practice with Love Yoga	28
17	12:00 p.m.	Lunchtime Tour of the Conservatory	29
18	2:00 p.m.	Tour: An Afternoon in the Garden	29
19	10:00 a.m.	Tour: The U.S. Botanic Garden Production Facility	32

Starting Date	Time	Title	Page
19	12:00 p.m.	Lunchtime Tour of the Conservatory	29
21	12:00 p.m.	Lunchtime Tour of the Conservatory	29
22	10:30 a.m.	Fitness Event: Practice with Love Yoga	28
24	12:00 p.m.	Lunchtime Tour of the Conservatory	29
25	2:00 p.m.	Tour: An Afternoon in the Garden	29
26	12:00 p.m.	Lunchtime Tour of the Conservatory	29
27	12:00 p.m.	Cooking Demonstration: Tomato Toss-up	33
27	5:00 p.m.	Concert Series: American Root Music	33
28	12:00 p.m.	Lunchtime Tour of the Conservatory	29
29	10:30 a.m.	Fitness Event: Practice with Love Yoga	28
31	12:00 p.m.	Lunchtime Tour of the Conservatory	29
Early September			
5	10:30 a.m.	Lecture: Pome Fruit	34
8	10:30 a.m.	Seedlings	34
9	10:30 a.m.	Sprouts	35
9	4:30 p.m.	Teacher Training: How Plants Work	35
12	9:00 a.m.	Art Workshop: Botanical Drawing from the Ground Up: Roots	36
12	10:30 a.m.	Tour: Exploring Roots	36



Swiss Cheese Plant
Guide to Acceptance

AS OF THE DISCOVERY

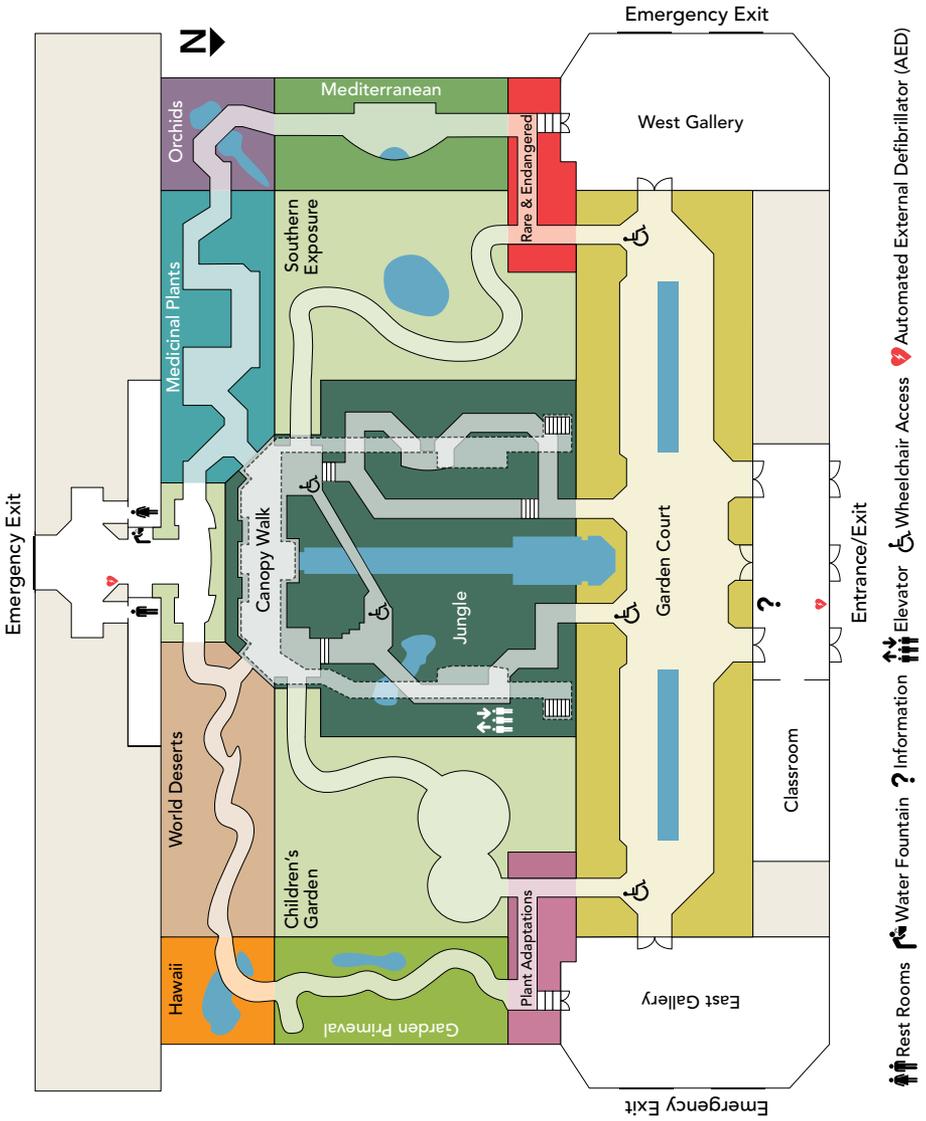


U.S. Botanic Garden



-  Amphitheater
-  Butterfly Garden
-  First Ladies Water Garden
-  Lawn Terrace
-  Regional Garden
-  Rose Garden
-  Rain Garden
-  Terrace Gardens
-  Bartholdi Fountain





Exhibits

EXPOSED: THE SECRET LIFE OF ROOTS

Conservatory East Gallery
Through October 13

Plant roots are vital components of the earth's ecosystem. They are necessary for all plant growth, including the production of food and nutrients for humans and many other organisms. However, as root systems are out of sight, their beauty and importance often go unnoticed. *Exposed: The Secret Life of Roots* showcases the presence and importance of roots through visually stunning root representations using the work of agricultural ecologist Dr. Jerry Glover, sculptor Steve Tobin and photographer Jim Richardson.



Photo by Jim Richardson

Programs

Programs are listed by start date.

Tour

LUNCHTIME TOUR OF THE CONSERVATORY

USBG Volunteers

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 of the USBG Conservatory 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, June 1, 8, 15, 22, 29

Dates: Wednesdays, June 3, 10, 17, 24

Dates: Fridays, June 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

Tour

AN AFTERNOON IN THE GARDEN

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: Tuesdays, June 2, 9, 16, 23, 30

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

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



Demonstration

MEET OUR CARNIVOROUS PLANTS

USBG Staff

Join USBG staff members as they show off the Garden's amazing carnivorous plants! See the wonderful diversity of these unique plants while learning how they've adapted to their environments. See sundews snacking or flytraps trapping—anything is possible when you come to meet our carnivorous crew!

Date: Wednesday, June 3

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

Location: Conservatory Garden Court

FREE: No pre-registration required



Special Event

BURIED TREASURE: FOODS AND MEDICINES IN THE DIRT

Beth Burrous, Biochemist & USBG Volunteer

Have you ever wondered why the many delicious foods that grow underground are not gobbled up by insects and other critters before we can eat them? Did you know that many important medicines come from plant roots and tubers? Come hear Beth discuss the unique adaptations of “root vegetables” that allow them to grow in the soil and make these veggies nutritional and medicinal powerhouses. She'll also include a tasting and smelling of familiar and unusual root vegetables.

Date: Friday, June 5

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

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov



Demonstration

LEI-MAKING FOR KAMEHAMEHA LEI DRAPING CEREMONY

Hawai'i State Society of Washington, D.C.

In celebration of Kamehameha Day 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 King Kamehameha in a private ceremony in Emancipation Hall of the U.S. Capitol, where visitors to the Capitol can enjoy them. Come learn about Hawaiian traditions and culture and watch as the Hawai'i State Society and other members of the local Hawaiian community make the lei for this year's Kamehameha Lei Draping Ceremony.

Date: Saturday, June 6

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

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

FREE: No pre-registration required



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 island unique plant life and ethnobotanical heritage.

Date: Saturday, June 6

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

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov



Hibiscus brackenridgei
Photo by Todd Brethauer



Hibiscus arnotianus subsp. *immaculatus*
Photo by 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: Saturdays, June 6, 13, 20, 27

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

Location: National Garden (Rain Location: Conservatory West Gallery)

FREE: No pre-registration required



Lecture

EAT (AND GROW) YOUR VEGETABLES

Joe Yonan, Food/Dining editor, The Washington Post; Author, "Eat Your Vegetables"

Joe spent a year on leave from the *Post*, working on his sister's homestead in southern Maine, helping her and her husband grow as much food as possible on 6 acres. While he was there, he worked on his second cookbook, a passionate ode to creative ways with vegetable cooking. When he returned to DC, he used his Maine experience to turn his 150-square-foot urban front yard into a garden. He'll talk about the lessons learned and the philosophies he honed along the way.

Date: Saturday, June 6

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

Location: Conservatory Classroom

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



Lecture

BOTANICAL ART AND EXPLORING IN NORTH AMERICA

Jerry Kurtzweg, botanical artist

From the beginning, the plants of the New World played an important role, first as evidence of discovery, and then as resources for medicine, food, and ornament. Botanical artists documented plant discoveries using dried specimens, and plants growing in their natural environment. Join Jerry Kurtzweg as he discusses the botanical artists associated with the discovery of North America. The discussion will be followed by a self-guided walk in the Botanic Garden to observe plants mentioned in the discussion. **Please note:** This lecture is offered in conjunction with the Botanical Arts Society of the National Capital Region. Only 20 seats will be available for Botanic Garden visitors.

Date: Sunday, June 7

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

(followed by a self-guided garden walk)

Location: Conservatory Classroom

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



Cooking Demonstration

INSPIRED ASPARAGUS

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

One of the most versatile of early summer's vegetables, asparagus are universally popular for good reason. Cooked, raw, or somewhere in between, asparagus can be prepared in so many ways. The Cook Sisters will demonstrate two new dishes. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m.

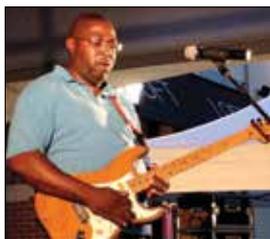
Date: Thursday, June 11

Time: 12 p.m. to 12:45 p.m. and

12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Concert Series

AMERICAN ROOTS MUSIC

Clarence "The Blues Man" Turner, blues

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American roots music. One of D.C.'s best known blues artists, Clarence Turner, delivers the sounds of the Delta and Chicago with a fire and authenticity. Clarence has won the D.C. Blues Challenge (D.C. Blues Society), Baltimore Blues Challenge (Baltimore Blues Society), and Blue Ridge Blues Challenge (Blue Ridge Blues Society), sending him multiple times to the International Blues Challenge in Memphis, TN. **Please note:** Limited seating available on a first come, first served basis.

Date: Thursday, June 11

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

Location: Conservatory Terrace (Rain Location: Conservatory Garden Court)

FREE: No pre-registration required

Lecture

A YEAR IN ROCK CREEK PARK

Melanie Choukas-Bradley, Author, Naturalist & Teacher

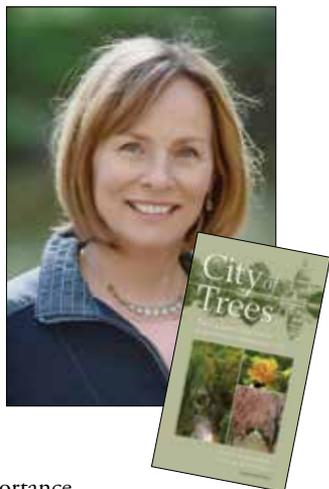
This inspirational talk about the natural history of Rock Creek Park, one of the oldest and largest urban national parks in the country, is based upon the newly published book, *A Year in Rock Creek Park—The Wild, Wooded Heart of Washington, DC* by Melanie Choukas-Bradley with photographs by Susan Austin Roth. The presentation takes us on a journey through the seasons in the park, with a focus on the native plants of the Rock Creek Park woodlands. Melanie has traveled the 33-mile length of the creek, on foot and cross-country skis, by bicycle and by canoe, and she will describe her adventures. The talk will be illustrated by Susan Austin Roth's evocative photographs, many of which appear in the book. Celebrate the 125th anniversary of Rock Creek Park, which was created in 1890, the same year Yosemite was established.

Date: Friday, June 12

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

Location: Conservatory Classroom

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



Festival

ROOTS: A CELEBRATION!

USBG Staff and Volunteers

Join the U.S. Botanic Garden to celebrate beauty and importance of roots. Offered in conjunction with *Exposed: The Secret Life of Roots*, this festival will allow visitors of all ages to explore the wonders of plant parts usually found belowground. Come nosh on some root (or root imposter!) vegetable dishes, try out some hands-on root-related activities and even chat with Dr. Jerry Glover, agricultural ecologist and the man behind the preserved plants on display in the East Gallery. **Please note:** This program will occur rain or shine.

Date: Saturday, June 13

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

Location: Conservatory Terrace (Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



Tour

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, June 16

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

Location: Tour meets in the Conservatory Garden Court

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 summer season.

Date: Wednesday, June 17

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

Location: Tour will meet in the Conservatory Garden Court

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



Tour

BACKSTAGE PASS: THE U.S. BOTANIC GARDEN PRODUCTION FACILITY

USBG Staff

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

Date: Wednesday, June 17

Time: 11 a.m. to 12 p.m.

Location: Tour will meet at the entrance to the Production Facility

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



Special Event

POLLINATOR PARTY!

Jim Willmott, USBG Plant Health Care Specialist and Dr. Ari Novy, USBG Executive Director

Does your garden flutter? Is it a-buzz with flighty friends? Whether you are invested in insect garden visitors or just want to learn more, come celebrate pollinators at the USBG during this special event. Join Jim Willmott and Dr. Ari Novy as they share the wonders of what butterflies, bumblebees and honeybees bring to the environment, and then help them release select butterflies into our Butterfly Garden! **Please note:** This program will be offered twice, at 10:30 a.m. and 12 p.m. It is held outdoors. We suggest bringing sunscreen, protective clothing and water. The program is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

Date: Friday, June 19

Time: 10:30 a.m. to 11 a.m. and 12 p.m. to 12:30 p.m.

Location: National Garden Butterfly Garden

FREE: No pre-registration required



Lecture

THE RIGHT SOIL AND FERTILIZER: NITROGEN, PHOSPHATE AND POTASH, OH MY!

Todd Brethauer, USBG Science Education Volunteer

Over thousands of years, the rocks, plant and animal life, water and the weather build the soil determining its structure and nutrient content. If we are careless in our tending, a single strong rain can wash it all away. Careful horticultural practices can improve the structure and availability of nutrients providing a bountiful harvest of fruits, vegetables and flowers each year. Come spend an hour with Todd to learn about soils and fertilizers and how that knowledge can help your garden grow.

Date: Friday, June 19

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

Location: Conservatory Classroom

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



Soil profile
Photo by Todd Brethauer

Concert

SONGS AND DANCES OF THE PUA (FLOWERS) OF HAWAII

Hawaii State Society of Washington D.C. 'Ukulele Hui

Join the Hawaii State Society of Washington D.C. 'Ukulele Hui as they depict in song and dance the beautiful flowers of Hawaii, such as the yellow ginger, pikake, hibiscus, carnation, green rose, lehua, gardenia, bird-of-paradise, and more. Celebrate the pua, or flower, which serves as a metaphor for a child or someone very cherished. Learn how lei, made up of these special flowers, are presented to people for occasions involving love, friendship, joy, congratulations and best wishes.

Date: Saturday, June 20

Time: 11 a.m. to 12:30 p.m.

Location: National Garden Amphitheater
(Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



Tour

EXPOSED EXPOSED

Adam Pyle, USBG Horticulturist

Want to learn more about *Exposed: The Secret Life of Roots*? Join Adam for a tour of this “depth”-defying exhibit, which highlights the many important underground functions of plants. Start in the East Gallery, then venture outdoors to the USBG Terrace to see examples of interesting roots, rhizomes and other underground plant parts in tropical, temperate and vegetable gardening vignettes. Come and explore with Adam and delve deeper into the secret life of plants.

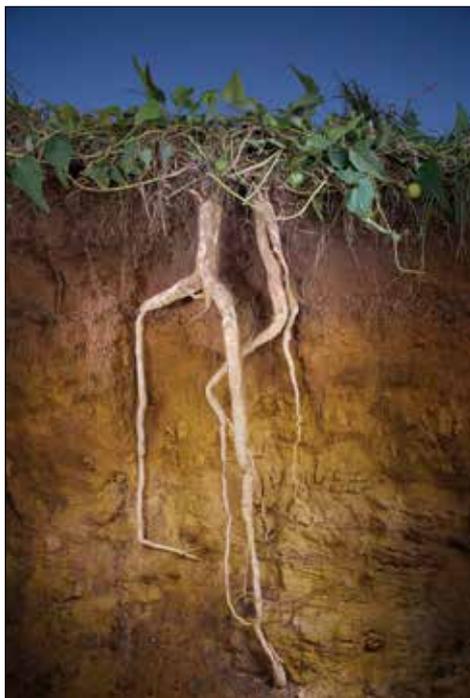
Date: Wednesday, June 24

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

Location: Tour will meet in the Conservatory Garden Court

FREE: Pre-registration required:

Visit www.usbg.gov



Cucurbita foetidissima
Photo by Jim Richardson

Tour

THE ART AND HISTORY OF THE USBG

Susan Klusman, USBG Volunteer

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

Date: Wednesday, June 24

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

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

FREE: No pre-registration required



Cooking Demonstration

UNBEATABLE BEANS

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

Fresh, crisp and with a unique “beany” flavor, snap beans come in multiple colors and forms. The Cook Sisters will discuss how to grow select snap beans and demonstrate two great ways to prepare and serve these delectable stars of the summer garden. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m.

Date: Thursday, June 25

Time: 12 p.m. to 12:45 p.m. and 12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Concert Series

AMERICAN ROOTS MUSIC

Zydeco Crayz, Louisiana roots music

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American root music. Zydeco Crayz has been a favorite of fans of Louisiana roots music for nearly a decade. Their music includes everything from waltzes, Louisiana swing, swamp pop, second line, and Creole blues, to hard-rockin’ zydeco. Come dance and pass a good time to the hot and spicy rhythms of Zydeco Crayz. **Please note:** Limited seating available on a first come, first served basis.

Date: Thursday, June 25

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

Location: Conservatory Terrace

(Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



Tour**CURATOR'S "CURA-TOUR" OF THE NATIONAL GARDEN***Bill McLaughlin, USBG Curator*

Take a tour of the National Garden highlighting its design concepts and environmentally friendly, forward thinking approach to gardening. Come learn about the D.C. area's Atlantic Seaboard Fall Line flora, in a garden that celebrates beauty, American style! **Please note:** This tour is held outdoors. Registration will be limited to 15 participants. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).

Date: Friday, June 26**Time:** 10:30 a.m. to 11:30 a.m.**Location:** National Garden (Tour will meet by the entrance to the National Garden from the Conservatory Terrace)**FREE:** Pre-registration required: Visit www.usbg.gov**Tour****"PERIM-A-TOUR" OF THE NATIONAL GARDEN***Bill McLaughlin, USBG Curator and Anna Mische John, USBG Gardener*

The perimeter of the National Garden offers a unique twist on the concept of native plant gardening. Eschewing the regional definition of "native," the garden features plants from throughout North America, showing the beauty and diversity of our continent's flora. Join Bill McLaughlin for the first time offering of this tour. **Please note:** This tour is held outdoors. Registration will be limited to 15 participants. 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: Tuesday, June 30**Time:** 10:30 a.m. to 11:30 a.m.**Location:** National Garden (Tour will meet by the entrance to the National Garden from the Conservatory Terrace)**FREE:** Pre-registration required: Visit www.usbg.gov

Tour

LUNCHTIME TOUR OF THE CONSERVATORY

USBG Volunteers

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research.

Dates: Mondays, July 6, 13, 20, 27

Dates: Wednesdays, July 1, 8, 15, 22, 29

Dates: Fridays, July 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



Demonstration

MEET OUR CARNIVOROUS PLANTS

USBG Staff

Join USBG staff members as they show off the Garden's amazing carnivorous plants! See the wonderful diversity of these unique plants while learning how they've adapted to their environments. See sundews snacking or flytraps trapping—anything is possible when you come to meet our carnivorous crew!

Date: Wednesday, July 1

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

Location: Conservatory Garden Court

FREE: No pre-registration required



Tour

AN AFTERNOON IN THE GARDEN

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: Tuesdays, July 7, 14, 21, 28

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

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required

Tour

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, July 7

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

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



Tour

THE ART AND HISTORY OF THE USBG

Susan Klusman, USBG Volunteer

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

Date: Wednesday, July 8

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

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

FREE: No pre-registration required



Cooking Demonstration

JUST PEACHY

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

Round, flat, yellow, white, sweet as honey, early peaches are the harbinger of summer's best bounty. Join the Cook Sisters for recipes sweet and savory to make the most of these favorite stone fruits. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m.

Date: Thursday, July 9

Time: 12 p.m. to 12:45 p.m. and 12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Concert Series

AMERICAN ROOTS MUSIC

Big Daddy Love, Appalachian Rock

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American roots music. Big Daddy Love is a five-piece band with a unique and natural blend of roots, bluegrass, country, and rock that they call “Appalachian Rock”. Their sound is equally at home in a groove or driving the bus with country, swing, funk or straight rhythms. **Please note:** Limited seating available on a first come, first served basis.

Date: Thursday, July 9

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

Location: Conservatory Terrace (Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



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: Saturdays, July 11, 18, 25

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

Location: National Garden (Rain Location: Conservatory West Gallery)

FREE: No pre-registration required



Tour

EXPOSED EXPOSED

Adam Pyle, USBG Horticulturist

Want to learn more about *Exposed: The Secret Life of Roots*? Join Adam for a tour of this “depth”-defying exhibit, which highlights the many important underground functions of plants. Start in the East Gallery, then venture outdoors to the USBG Terrace to see examples of interesting roots, rhizomes and other underground plant parts in tropical, temperate and vegetable gardening vignettes. Come and explore with Adam and delve deeper into the secret life of plants.

Date: Wednesday, July 15

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

Location: Tour will meet in the Conservatory Garden Court

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



Cucurbita foetidissima
Photo by Jim Richardson

Children's Program

FUN WITH FLOWERS YOUTH PHOTOGRAPHY WORKSHOP

Kevin Blackburn, MFA, Photographer, Educator, Owner of Kevin Blackburn Photography

Come explore the wonders of photographing flowers while learning the basics of photography. Over the course of 2 hours, students between the ages of 10 and 13 will learn how to use photography skills in nature as an artistic tool, sharing the joy of nature through the lens of a camera. **Please note:** This workshop is designed for students ages 10 to 13. It will be offered twice; the second workshop is a repeat of the first. Each workshop will only be open to 10 participants. Adults should be on-site for the duration of the workshop and are encouraged to take part with their children. No outside materials are necessary.

Each participant will be given (to use and then return) their own camera with instruction on basic use, followed by a demonstration of the basic composition of the camera itself. Each participant will produce a print as well as a piece of artwork (vine/root sculpture) similar to that of *Romeo and Juliet* by renowned artist Steve Tobin, currently on display at the USBG. Upon conclusion of the workshop, each student will take their print, a thumb drive or CD that contains individual photos taken during the course, and their sculpture.



Romeo and Juliet by Steve Tobin

Date: Saturday, July 18

Time: 11 a.m. to 1 p.m. and 2 p.m. to 4 p.m.

Location: Conservatory Classroom

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

Art Workshop

DRAWING AND PAINTING ORCHIDS

Carol Beach, Artist

Spend a week in the botanical garden drawing and painting exotic orchids! Inspired by the United States Botanic Garden's permanent collection, this art workshop will concentrate on a variety of orchids that can be found throughout the world. Working with watercolor and colored pencil, students will have the opportunity to illustrate orchids from both the planted gardens of the Conservatory and specimens provided from the collection at the Production Facility. The objectives of this class include learning how to observe and work from nature, and to render plants and flowers with accuracy. We will look at some botanical illustrations and paintings from the past to understand the painters' approaches and techniques. During the last two sessions the instructor will guide students in matting and framing their artwork. **Please note:** All materials list can be found with the online listing. Please bring a lunch.

Date: Monday, July 20 through Friday, July 24

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

Location: Conservatory Classroom

Friends: \$325

Non-members: \$375

Pre-registration required:

Visit www.usbg.gov



Cattleya prupurata

Tour

EXPOSED EXPOSED

Adam Pyle, USBG Horticulturist

Want to learn more about *Exposed: The Secret Life of Roots*? Join Adam for a tour of this "depth"-defying exhibit, which highlights the many important underground functions of plants. Start in the East Gallery, then venture outdoors to the USBG Terrace to see examples of interesting roots, rhizomes and other underground plant parts in tropical, temperate and vegetable gardening vignettes. Come and explore with Adam and delve deeper into the secret life of plants.

Date: Wednesday, July 22

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

Location: Tour will meet in the Conservatory Garden Court

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



Cucurbita foetidissima
Photo by Jim Richardson

Cooking Demonstration

WE SAY TOMATOES

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

The harvest everyone looks forward to – plump, juicy, sun-kissed, right off the vine tomatoes. There's a world of ways to prepare these for the most delectable of summer's flavors. The Cook Sisters will demonstrate two of those. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m.

Date: Thursday, July 23

Time: 12 p.m. to 12:45 p.m.

and 12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Concert Series

AMERICAN ROOTS MUSIC

Moonshine Society

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American roots music. Celebrating American blues music, this band received several Wammie nominations for their album “Live in Shanghai,” recorded while they toured China introducing young audiences to the blues. The band includes several members of the Blues Hall of Fame and Berklee College of Music alumni, and they are a favorite on the D.C. music scene. **Please note:** Limited seating available on a first come, first served basis.

Date: Thursday, July 23

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

Location: Conservatory Terrace

(Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



Special Event

BURIED TREASURE: FOODS AND MEDICINES IN THE DIRT

Beth Burrous, Biochemist and USBG Volunteer

Have you ever wondered why the many delicious foods that grow underground are not gobbled up by insects and other critters before we can eat them? Did you know that many important medicines come from plant roots and tubers? Come hear Beth discuss the unique adaptations of “root vegetables” that allow them to grow in the soil and make these veggies nutritional and medicinal powerhouses. She'll also include the tasting and smelling of familiar and unusual root vegetables.



Date: Saturday, July 25

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

Location: Conservatory Classroom

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

Tour

TREES OF THE REGIONAL GARDEN

Melanie Choukas-Bradley, Author of City of Trees

Spend a summer evening learning to identify trees of the Mid-Atlantic Piedmont and Coastal Plain as you tour the Regional Garden. Melanie will teach you how to identify tupelo, hop-hornbeam, red buckeye, pawpaw, oaks, pines and many other native trees as you stroll the grounds of the National Garden. She will also share some of the arboreal history of Washington, D.C., which has long been known as the “City of Trees,” and offer ideas for self-guided tree tours in and around the nation’s capital. **Please note:** This tour is held outdoors. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/Code Red weather alert).



Date: Thursday, July 30

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

Location: Tour meets on the National Garden Lawn Terrace

FREE: Pre-registration required: Visit 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: Saturdays, August 1, 8, 15, 22, 29

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

Location: National Garden (Rain Location: Conservatory West Gallery)

FREE: No pre-registration required



Lecture

LEGUMES: LIFE WITH SPECIAL ROOTS

Todd Brethauer, USBG Science Education Volunteer

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

Date: Saturday, August 1

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

Location: Conservatory Classroom

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

Tour

LUNCHTIME TOUR OF THE CONSERVATORY

USBG Volunteers

Want to visit a jungle, desert, and tropical paradise? Want to travel back to the U.S. Exploring Expedition and the Jurassic period? Take a tour with a knowledgeable guide who will connect the exotic plant world to everyday life. You might see bananas, cacao and coffee ripening on the tree or learn about the next big breakthrough in medicinal plant research.

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

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

Dates: Fridays, August 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

Tour

AN AFTERNOON IN THE GARDEN

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: Tuesdays, August 4, 11, 18, 25

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

Location: Tour meets in the Conservatory Garden Court

FREE: No pre-registration required



Hummingbird on *Erythrina chiapasana*
Photo by Todd Brethauer



Demonstration

MEET OUR CARNIVOROUS PLANTS

USBG Staff

Join USBG staff members as they show off the Garden's amazing carnivorous plants! See the wonderful diversity of these unique plants while learning how they've adapted to their environments. See sundews snacking or flytraps trapping—anything is possible when you come to meet our carnivorous crew!

Date: Wednesday, August 5

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

Location: Conservatory Garden Court

FREE: No pre-registration required



Cooking Demonstration

PEACH PASSION

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

Main-season peaches are upon us. Let the Cook Sisters wow you with two more terrific recipes using these favorite summer fruits. **Please note:** This program will be offered at 12 p.m. and repeated at 12:45 p.m.

Date: Thursday, August 6

Time: 12 p.m. to 12:45 p.m. and 12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Workshop

PICKLED CARROTS TWO WAYS

Marisa McClellan, Author, Food in Jars

Learn the basics of pickling with cookbook author and *Food in Jars* blogger Marisa McClellan. She'll walk you through the steps of making both vinegar and fermented pickled carrots and will show you how to safely preserve the vinegar pickles using the boiling water bath method. All students will go home with the recipes and canning details, as well as the two jars of pickles they made in class that day. **Please note:** Registration will be limited to 20 participants.

Date: Saturday, August 8

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

Location: Conservatory Classroom

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



Workshop

AN INTRODUCTION TO PRESERVING BEETS

Marisa McClellan, Author, *Food in Jars*

Learn how to pickle and pressure can beets with cookbook author and *Food in Jars* blogger Marisa McClellan. She'll show you how to make pickled beets preserved in a boiling water bath canner and plain beets, preserved in a pressure canner. All students will go home with the recipe and canning details, as well as with the jar of pickled beets that they made in class that day. **Please note:** Registration will be limited to 20 participants.

Date: Saturday, August 8

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

Location: Conservatory Classroom

FREE: Pre-registration required:

Visit www.usbg.gov



Concert Series

AMERICAN ROOTS MUSIC

Samantha Fish, blues/rock

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American roots music. Samantha Fish is currently one of the most talked about artists in the blues scene. Hitting a receptive international blues and rock press, her album “Runaway” was hailed as a thrilling opening statement, earning a string of rave reviews and radio airplay, climaxed by her winning the Blues Music Award (BMA) for “Best New Artist Debut” in 2012. **Please note:** Limited seating available on a first come, first served basis.

Date: Tuesday, August 11

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

Location: Conservatory Terrace (Rain

Location: Conservatory Garden Court)

FREE: No pre-registration required



Tour

A WALK THROUGH SOUTHERN EXPOSURE

Anna Mische John, USBG Gardener

Zone-bending is a trendy term in gardening, but the USBG has been working on it for years. Join Anna on a walk through and discussion about the USBG's Southern Exposure courtyard garden. Designed to take advantage of a microclimate more moderate than the other USBG outdoor gardens, all the plants in this garden are native to the southern and southwestern United States. Native plant enthusiasts, limit-pushers and small space gardeners are encouraged to attend. **Please note:** This tour will be held outdoors. We suggest bringing sunscreen, protective clothing and water. The tour is canceled if it rains or during times of extreme heat (heat index of 95 degrees or higher/ Code Red weather alert).

Date: Thursday, August 13

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

Location: Tour meets in the center of the Conservatory Garden Court

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



Tour

BACKSTAGE PASS: THE U.S. BOTANIC GARDEN PRODUCTION FACILITY

USBG Staff

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

Date: Wednesday, August 19

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

Location: Tour will meet at the entrance to the Production Facility

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



Cooking Demonstration

TOMATO TOSS-UP

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

Is there such a thing as too many tomatoes? The Cook Sisters don't think so. They'll be demonstrating brand-new dishes that will make the most of these jewels of summer.

Please note: This program will be offered at 12 p.m. and repeated at 12:45 p.m.

Date: Thursday, August 27

Time: 12 p.m. to 12:45 p.m.

and 12:45 p.m. to 1:30 p.m.

Location: Conservatory Garden Court

FREE: No pre-registration required



Concert Series

AMERICAN ROOTS MUSIC

Blue Moon Cowgirls, early country harmonies

Come celebrate *Exposed: The Secret Life of Roots* with this concert series featuring American roots music. A shimmering trio of female voices backed by flexible acoustic instrumentation, the Blue Moon Cowgirls blend front-porch directness with neon-lit sophistication as they sing about home and highways, heaven and honkytonks, heartbreak and hope. Their repertoire stretches from 1920s Appalachia to 1990s California, with stops along the way at several decades' worth of prairie roadhouses and bayou dance halls. The sound of country music has always been on the move, but its heart has remained in the same place, and the Blue Moon Cowgirls can take you there.

Please note: Limited seating available on a first come, first served basis.

Date: Thursday, August 27

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

Location: Conservatory Terrace (Rain Location: Conservatory Garden Court)

FREE: No pre-registration required



Upcoming Events in Early September

Mark your calendars for these programs!

Lecture

POME FRUIT: APPLES, PEARS & QUINCE – BOTANY, HISTORY AND PRODUCTION

Todd Brethauer, USBG Science Education Volunteer

From their glorious spring blossoms that light up our landscapes to the tasty fruit harvested in late summer through late autumn, pome fruits play an important part of our horticultural and nutritional palettes. Spend an hour learning about the origin of the apple and where you can find a forest of its wild ancestors. Find out how modern genome sequencing techniques are clarifying the evolutionary history of these fruit and providing tools for breeders confronting insect pests and diseases that affect the trees.



Malus domestica
Photo by Todd Brethauer

Date: Saturday, September 5

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

Location: Conservatory Classroom

FREE: 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. 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, September 8, 15, 22, 29

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, August 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, September 9, 16, 23, 30

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, August 5 at 10 a.m.



Teacher Training

HOW PLANTS WORK FOR ELEMENTARY SCHOOL TEACHERS

Lee Coykendall, USBG Children's Program Specialist

Want to bring your students on an urban botanical adventure? 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 elementary school teachers.

Date: Wednesday, September 9

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

Location: Conservatory Classroom

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



Art Workshop

BOTANICAL DRAWING FROM THE GROUND UP: ROOTS

Wendy Hollender, Botanical Artist, Author and Instructor

Drawing roots is an important component of botanical drawing. Roots may seem complicated, but when you analyze their characteristics, drawing them becomes a simpler step-by-step process. Students will draw a tap root and the finer fibrous roots to draw a root as it is growing in the ground. Working in colored pencil and water color pencil, focus will be on creating three dimensional form in color as well as the importance in understanding overlapping elements to make your drawings have depth. Soil backgrounds will be rendered if time allows. **Please note:** A materials list can be found with the online listing. Please bring a lunch.

Date: Saturday, September 12 through Sunday, September 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



Daucus carota
Drawing by Wendy Hollender

Tour

EXPLORING ROOTS

Dr. Susan Pell, USBG Science and Public Programs Manager

Come on a botanical journey through *Exposed: The Secret Life of Roots* with Science and Public Programs Manager Susan Pell. Explore the indoor and outdoor components of the exhibit while learning about the botany of roots and important role of root crops around the world. Some live plantings on the Conservatory Terrace will be excavated for an under-the-soil view and we'll talk about the processes involved in growing the dried plants on display in the East Gallery. **Please note:** This will be a walking tour in the Conservatory Terrace and East Gallery. Only indoor locations will be featured if it rains.

Date: Saturday, September 12

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

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

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







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.

Your normal cell phone fees may 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 to 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 backpacks on Fridays by contacting our Children's Education Specialist, Lee Coykendall 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.





The National Fund for the United States Botanic Garden

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 Hands On Plant Science (HOPS) summer camp, the National Garden Internship, Landscape for Life and D.C. Teachers Night. Find out more about the programs we support at www.nfusbg.org.

Partners in Education: Become a Friend of 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 Fund. These fees allow us to bring you a range of educational programs, in addition to outstanding instructors and lecturers. Please join us by becoming a Friend of the National Fund and help us support the U.S. Botanic Garden's many on-site educational programs and events.

Visit www.nfusbg.org/membership to learn more. 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
- Quarterly USBG Calendar of Events

Junior Friend (for First Friends under 40; \$150 per year)

- All benefits listed above plus:
- Two complimentary admissions to the Spring Cocktails in the Garden event

First Friend (\$250 per year)

- All benefits listed above

National Friend (\$500 per year)

- All benefits listed above plus:
- Two additional admissions (4 total) to the Spring Cocktails in the Garden event

Capitol Friend (\$1,000 per year)

- All benefits listed above plus:
- Two additional admissions (6 total) to the Spring Cocktails in the Garden event

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./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

Title

of Participants

Fees

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