

# WEEKLY EDUCATIONAL EVENTS

BTG programs are FREE and open to the public unless required tickets are noted.

## MONDAY

**Monarch Moments & More** • Bring your lunch and a healthy appetite to learn from experts about topics related to nature at 12:15 p.m. at Smith Wilkes Hall. Prior to each program, BTG's Butterflies & Blooms will celebrate gardeners in the audience who have certified their gardens as monarch way stations with Monarch Watch.

**Lake Talks** • Join a different expert each week at 6:30 p.m. on the lake side of Heinz Fitness Center located on South Lake Drive at the corner of South Avenue. Programming presented in partnership with the Chautauqua Watershed Conservancy. Duration about one hour.

## TUESDAY

**Bird Talk and Walk** • Meet at the entrance of Smith Wilkes Hall at 7:30 a.m. for an early-morning birding adventure. This may include a walk and/or talk led by top experts from the Audubon Community Nature Center and the Roger Tory Peterson Institute.

**Brown Bag Lecture Series** • This weekly program features national experts presenting educational topics concerning nature, wildlife, gardening and the environment at 12:15 p.m. in Smith Wilkes Hall. Details in this brochure.

**Garden Walk** • Meet at the lake side (back) of Smith Wilkes Hall. Garden walks will vary based on location and seasonal flora. Meet horticulturist Joe McMaster for a late-afternoon walk at 4:15 p.m.

## WEDNESDAY

**Eco Garden Walk** • Meet at Fletcher Music Hall. Join Sara Baker Michalak for a morning discovery walk at 9:15 a.m. Learn about eco-wise approaches to gardens and landscape design, material and plant pairings. Duration about one hour and will end near the Amphitheater.

**Miller Edison Shipman Garden Tour** • Tour the garden of prominent landscape architect Ellen Shipman at the Miller Edison Cottage, located at 24 Miller Park at the corner of Vincent and Simpson. Tickets are required and can be purchased at the Main Gate for the 1 p.m. tour.

## THURSDAY

**Nature Programs** • Join us for outdoor classroom nature talks and tree talks at 1 p.m. on select weeks. Details and dates in this brochure.

## FRIDAY

**Nature Walks** • Meet Jack Gulvin at 9 a.m. at the lake side (back) of Smith Wilkes Hall to explore the natural world that abounds on the grounds of the Institution. Duration about one hour.

**Purple Martin Chats** • Meet Jack Gulvin at 4:15 p.m. lake side at the purple martin houses next to the Sports Club. During four weeks of programs, watch the purple martins go from nesting, hatching, growing to fledgling. June 28, July 5, 12, 19.

Scheduled times and meeting areas for BTG events are published in *The Chautauquan Daily* and listed online at [chautauquabtg.org](http://chautauquabtg.org).

# Celebrate Nature

## BIRD, TREE & GARDEN CLUB

### 2019 Season Program



For more information, visit:  
**chautauquabtg.org**

## BTG WELCOMES YOU!

## JOIN THE CHAUTAUQUA BIRD, TREE & GARDEN CLUB!

### Club Mission

To promote and preserve the beauty of the Chautauqua grounds as well as its habitats and ecosystems. We advocate for the protection of birds and bats, the conservation and expansion of our tree canopy and the maintenance of the gardens of Chautauqua Institution. BTG provides educational programs and works to preserve the environment through projects and strategic alliances.

### Membership

Membership in the Bird, Tree & Garden Club is open to everyone. Become a life member and support this forward-thinking organization. **A life membership of \$150 helps to support over 70 free-to-the-public programs and projects.**

Join online at [chautauquabtg.org](http://chautauquabtg.org) and visit the Membership page under About Us, or visit the membership table at the Monday or Tuesday 12:15 p.m. lecture. Memberships are tax-deductible.

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### chautauquabtg.org

Email us: [chautauquabtg@gmail.com](mailto:chautauquabtg@gmail.com)

**Chautauqua Bird, Tree & Garden Club**  
PO Box 721 • Chautauqua, N.Y. 14722

## SPECIAL EVENTS

### PRE-SEASON

**Friday, June 21 • Noon**  
**Appreciation Lunch** • BTG board will host lunch for the Chautauqua Garden, Woods and Grounds & Landscape crews, nature presenters, *The Chautauquan Daily* reporter, and other friends of BTG in recognition and appreciation of their services provided throughout the season.

### WEEK ONE

**Friday, June 28 • Noon-5 p.m.**  
**Native Plant Sale** • "Returning to Our Roots," a sale of native plants, pollinator plants, herbs and more! One afternoon only, so come early to take advantage of the large variety. The sale will be on the lake side (back) of Smith Wilkes Hall.

### WEEK FOUR

**Thursday, July 18 • 12-3:30 p.m.**  
**Monarchpalooza** • Back by popular demand! Join us in Lincoln Park, rain or shine, as monarch experts, naturalists and citizen scientists provide a free, hands-on, interactive experience for all ages. Observe each stage of the monarch life cycle, learn about the challenges this magnificent insect faces as it travels 2,500 miles to Mexico and find out why it is disappearing before our eyes. As you journey through our series of live specimen exhibits, our docents will stamp your "monarch passport," and grant you passage into a huge screened tent where you can hand-feed hundreds of adult butterflies! It's monarch magic!

### WEEK SIX

**Friday, August 2 • 12:15 p.m.**  
**Life Member Annual Luncheon** • Athenaeum Hotel  
Reservations (\$37) required by Tuesday, July 16.  
*This event is for life members only. New members are welcome to join at [chautauquabtg.org/membership](http://chautauquabtg.org/membership).*

Speaker: Marta McDowell will present "Ellen Shipman Landscape Architect." • Discover Ellen Shipman, a "hands-on" gardener who found her talent for landscape design in a NH artists' colony. Known for her sumptuous flower borders, she attracted over 600 U.S. clients during her career and designed the Chautauqua Miller Edison garden.



**Chautauqua Bird, Tree & Garden Club**  
PO Box 721 • Chautauqua, N.Y. 14722  
Email: [chautauquabtg@gmail.com](mailto:chautauquabtg@gmail.com)  
[chautauquabtg.org](http://chautauquabtg.org)

medicinal plants found on Chautauqua's lakeshore and central grounds. necessary in the collection, processing and properties of edible/ Townsend • A short introduction to identification and precautions

**Edible and Medicinal Plants of the Chautauqua Campus • Johnathan**

### WEEK NINE • August 19

and the lake ecosystem winged adult stages, their life cycles, their importance to food webs  
**Some Aquatic Insects of Chautauqua Lake • Dennis McNair**

### WEEK EIGHT • August 12

to the health of aquatic communities of Chautauqua region ecosystems. living and nonliving factors with trees, as well as the relationships of trees  
**Visit the South End Ravine forest and explore the relationships among**

### WEEK SEVEN • August 5

**Teas: Green Guardians of Soil, Air and Water • Becky Nystrom**  
Explore the history of the Chautauqua Lake region and its surrounding hills. From ancient oceans with 15-foot-long crustaceans to mile-thick glaciers, the Chautauqua Lake story is a fascinating one.

### WEEK SIX • July 29

ongoing Chautauqua Lake research projects. Originally created by Ellen Biddle Shipman, the grand gardens of Chautauqua's Supervisor of Gardens and Landscapes takes us through her journey of re-creating the gardens using less persnickety plants  
**Miller Cottage showcases myriad exotics and hard-to-grow varieties.**

### WEEK FIVE • July 22

ecological health and water quality of Chautauqua Lake. Learn about exploring Chautauqua Lake's Underwater Life • Courtney Wigdahl-Ferny • Investigate underwater life and hear how its changes affect the

### WEEK FOUR • July 15

**The Secret Lives of Chautauqua's Threatened Wildlife • Twan Leanders**  
A presentation of the rare and endangered willifite of the Chautauqua Lake watershed, including the spiny softshell turtle, bald eagle and osprey recovery, and decline of bats and avian insectivores.

### WEEK THREE • July 8

**Saving Chautauqua's Muskies • Fletcher Ward**  
You will learn about "Chautauqua's Muskies," their rescue from endangerment and their current status based on data from the Pendergast Hatchery.

### WEEK TWO • July 1

identification by ear. Participants will listen to songs and call notes of birds found in three different parts of the grounds. Next, walk the areas and practice bird  
**Bringing the Chautauqua Campus by Ear • Terry Mosher**

### WEEK ONE • June 24

footgear are suggested. Weather appropriate clothing and involve non-strenuous walks. Note: Some presentations  
**Meet at the lower lakeside porch of the Youth Activities Center (YAC) near Heinz Beach at 6:30 p.m.** Note: Some presentations

## LAKE TALKS

monarch waystation! Please join us! Chautauqua's grounds into the country's first community-wide Augmented Reality experience that the audience can share after the talk!

research in Powdermill's forests and gardens. These include gigapixel images, interactive software, 3-D models, UAV (drone) imaging and an

Complementing the traditional field guide, modern digital tools can provide the user much greater utility and flexibility. Dr. Wenzel will demonstrate several state-of-the-art tools used for teaching and

**Forests, Gardens and Digital Tools for Teaching and Research at Powdermill Nature Reserve • Dr. John Wenzel**

can adopt as individuals and communities to stem the tide. Join this presentation for straightforward, practical solutions that we

The declining number of monarch butterflies has been well documented and brought to the public's attention. While we know the

**Stemming Monarch Population Loss • Lori Stralow Harris**

### WEEK FOUR • July 15

vanishing, and how you can make a difference! foraging sources (as featured in *National Geographic*), why bees are sex life of flowers and bees, new DNA studies which elucidate bees' fascinating dialogue on the role of bees in society, the interdependent

An educator at American University and a prison reform specialist have teamed up over their shared interest in beekeeping. Join us for a

**The Zen of Beekeeping: Backyard Hives for Flowers, Honey and the Environment • Sharon Metcalf and Dr. Stefan Lobuglio**

### WEEK THREE • July 8

ecologically critical wetlands. A local naturalist, conservationist and retired Jamestown Community College professor of biology will teach us how the extraordinary architecture of beavers creates the gift of complex, diverse and

**Beaver Believing and the Wonder of Wetlands • Rebecca Nystrom**

### WEEK TWO • July 1

Smith Wilkes Hall • 12:15 p.m. Mondays (no program June 24, Aug. 12 or Aug. 19)

## MONARCH MOMENTS & MORE





# 2019 Bird, Tree, and Garden Club CALENDAR OF EVENTS

BTG programs are free and open to the public unless required tickets are noted.



	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	June 23	24	25	26	27	28	29
<b>WEEK ONE</b>	<p><b>Event Location Key</b></p> <ul style="list-style-type: none"> <li>Smith Wilkes Hall (SWH)</li> <li>Heinz Beach</li> <li>Roger Tory Peterson Nature Classroom</li> <li>Burgeson Nature Classroom</li> <li>Lake side (back) of SWH</li> <li>Lakefront (by Sports Club)</li> <li>Fletcher Music Hall</li> <li>Arboretum</li> <li>Lincoln Park</li> </ul>	<p>6:30 p.m. <b>Lake Walk</b> "Birding the Chautauqua Campus by Ear"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "An Interpretation of Birds"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>		<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p> <p>12-5 p.m. <b>Native Plant Sale</b> "Returning to our Roots"</p> <p>4:15 p.m. <b>Purple Martin Chat</b> with Jack Gulvin</p>	
<b>WEEK TWO</b>		<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "Beaver Believing and the Wonder of Wetlands"</p> <p>6:30 p.m. <b>Lake Walk</b> "A Photographer's Appreciation of Water"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Algal Blooms: The Good, the Bad, and the Beautiful"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>4</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p> <p>4:15 p.m. <b>Purple Martin Chat</b> with Jack Gulvin</p>	<p>6</p>
<b>WEEK THREE</b>	<p>7</p>	<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "The Zen of Beekeeping: Backyard Hives for Flowers, Honey and the Environment"</p> <p>6:30 p.m. <b>Lake Walk</b> "Saving Chautauqua's Muskies"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Birds in Decline: Is It Time for Conservation Triage?"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>1 p.m. <b>Nature Talks</b> with Terry Mosher "The Things Birds Do to Poets"</p> <p>3 p.m. <b>Bus Garden Tour</b> Meet and purchase required ticket at Main Gate Welcome Center</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p> <p>4:15 p.m. <b>Purple Martin Chat</b> with Jack Gulvin</p>	
<b>WEEK FOUR</b>		<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "Stemming Monarch Population Loss"</p> <p>6:30 p.m. <b>Lake Walk</b> "The Secret Lives of Chautauqua's Threatened Wildlife"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "The Monarch Bridge: A Story of Lasting Connections"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>12-3:30 p.m. <b>Monarchpalooza</b> Engage in hand-feeding monarchs and exploring every stage of the monarch life cycle.</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p> <p>4:15 p.m. <b>Purple Martin Chat</b> with Jack Gulvin</p>	<p>20</p>
<b>WEEK FIVE</b>	<p>10:45 a.m. Worship Service Flowers Donated by BTG</p>	<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "Forests, Gardens, and Digital Tools for Teaching and Research at Powdermill Nature Reserve"</p> <p>6:30 p.m. <b>Lake Walk</b> "Exploring Chautauqua Lake's Underwater Life"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Love and Death in the Life of a Firefly"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>1 p.m. <b>Tree Talks</b> with Craig Vollmer "Tree Canopy Health Assessment"</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p>	
<b>WEEK SIX</b>		<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "Bountiful Beneficials – How to Have the Most and Best Insect-eating Allies in Your Garden"</p> <p>6:30 p.m. <b>Lake Walk</b> "The Geologic Backstory"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Gardening With the Edisons"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>August 1</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p> <p>12:15 p.m. <b>Life Member Annual Luncheon.</b> "Ellen Shipman Landscape Architect," Athenaeum Hotel</p>	<p>3</p>
<b>WEEK SEVEN</b>		<p>12:15 p.m. <b>Monarch Moments &amp; More</b> "A Masterpiece for Modern Times"</p> <p>6:30 p.m. <b>Lake Walk</b> "Trees: Green Guardians of Soil, Air and Water"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Purpose in the Landscape"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>1 p.m. <b>Tree Talks</b> with Betsy Burgeson "Arboretum Reclamation and Evolving Tree Canopy"</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p>	
<b>WEEK EIGHT</b>	<p>11</p>	<p>6:30 p.m. <b>Lake Walk</b> "Some Aquatic Insects of Chautauqua Lake"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "Purpose in the Landscape"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>	<p>1 p.m. <b>Nature Talks</b> with Jack Gulvin "A Bag of Surprises"</p> <p>3 p.m. <b>Bus Garden Tour</b> Meet and purchase required ticket at Main Gate Welcome Center</p>	<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p>	<p>10</p>
<b>WEEK NINE</b>		<p>6:30 p.m. <b>Lake Walk</b> "Edible and Medicinal Plants of the Chautauqua Campus"</p>	<p>7:30 a.m. <b>Bird Talk and Walk</b></p> <p>12:15 p.m. <b>Brown Bag Lecture</b> "The Best Trees for Home, Urban, and City Landscapes in the Northeast"</p> <p>4:15 p.m. <b>Garden Walk</b> with Joe McMaster</p>	<p>9:15 a.m. <b>Eco Garden Walk</b> with Sara Baker Michalak</p> <p>1 p.m. <b>Miller Edison Shipman Garden Tour</b> <i>Required tickets purchased at Main Gate</i></p>		<p>9 a.m. <b>Nature Walk</b> with Jack Gulvin</p>	

## BROWN BAG LECTURES

Smith Wilkes Hall • 12:15 p.m. Tuesdays (no program Aug. 6)

### WEEK ONE

June 25 • "An Interpretation of Birds"

People interpret birds to understand how the dinosaurs learned to fly while others unpack the secrets of murmurations, when thousands of birds act as one. Some use the power of birds to save at-risk youths by training them as falconers. Bird expert Jim Robbins will talk about the myriad ways people interpret birds and the powerful ways they enrich our lives.

### WEEK TWO

July 2 • "Algal Blooms: The Good, the Bad, and the Beautiful"

Toxins and algae expert Greg Boyer, Ph.D., will be sharing his research and analysis on the biology and chemistry of algae, why it grows, its local impact and how to manage blooms. The director of New York's Great Lakes Research Consortium will shed light on the natural processes, causes and impact of human use on the NYS lakes and the Great Lakes.

### WEEK THREE

July 19 • "Birds in Decline: Is It Time for Conservation Triage?"

Delve into the thorny issues and difficult conversation of determining which avian species we should choose to save from extinction with Bridget Stutchbury, Ph.D., from York University, Toronto. Her research reveals why so many migratory songbirds are in steep decline and how limited funding for conservation means we cannot afford to save all species.

### WEEK FOUR

July 16 • "The Monarch Bridge: A Story of Lasting Connections"

Join Lori Stralow Harris, owner of Saltcreek Butterfly Farm, as she recounts a quick series of mistakes and blunders just before the monarch migration. In a curious way, it all led to lasting friendships and awesome gifts of hope. Immerse yourself in this heartwarming story of people motivated to help the monarchs and who received rewards beyond their expectations.

### WEEK FIVE

July 23 • "Love and Death in the Life of a Firefly"

Join us and discover the mysteries of fireflies and their fascinating photic communication system. With John Wenzel, Ph.D., director of Powdermill Nature Reserve Carnegie Museum of Natural History, we'll examine the biology of fireflies flashing behavior, originally derived as a defensive signal in the immature larva, then as a courtship device in adults and finally as a predatory lure.

### WEEK SIX

July 30 • "Gardening With the Edisons"

Join New York Times bestselling author and horticulturist Marta McDowell for an exploration of the Edison Gardens. Mina Miller Edison and Thomas Edison created three gardens at their homes in West Orange, NJ, Fort Meyers, FL, and at Chautauqua working with Ellen Shipman, a premier landscape designer of her day. Mina was president of the Chautauqua Bird, Tree & Garden Club and Thomas set up a botanic research laboratory. Discover what the Edisons grew, how they grew it and their research into the possibilities of plants.

### WEEK EIGHT

August 13 • "Purpose in the Landscape"

With no formal high school education and no money, learn how Nell Gardner found the opportunity to develop skills from growing up on Cape Bretton Island restoring old farmsteads and planting gardens in forgotten fields. Today she is the horticulturist for the Darwin Martin House, Graycliff and Richardson Olmsted Complex. Using beautiful and harvestable plants, she will share tips and ideas that you can use to enhance your own landscape.

### WEEK NINE

August 20 • "The Best Trees for Home, Urban and City Landscapes in the Northeast"

Understanding the best trees for home and urban landscapes in the northeast will equip you with the knowledge to select trees for your next landscape project. Dendrologist Don Leopold, Ph.D., will identify species to consider based on site characteristics and desired aesthetics, and point out those with liabilities.