

July 2019

Sponsored by Daemen College Global & Local Sustainability Program

Newsletter Contents:

Articles- including events, courses, local news, grants, jobs

Upcoming Activities

Tips for the Environment

Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Buffalo Environmental History Boat Trip

Join WNY Sustainable Business Roundtable (WNYSBR), Erie County Department of Environment and Planning and Buffalo Niagara Waterkeeper for this Environmental History Boat Tour on **Wednesday, July 10** from 4-6pm on the Buffalo River. The River Queen will take us on a tour on the river that caught fire in 1968 and was labeled

The Greater Buffalo Niagara Regional Transportation Council (GBNRTC) is looking for [Our Driverless Futures](#) **Saturday, August 3, 9:30am-5pm** at the University at campus). **Participants are provided a \$100 stipend**, as well as breakfast, lunch and snacks. More information and registration can be found [HERE](#). Those without internet access can call (716) 856-2026 ext. 315 to register. about driverless vehicles, and for people to learn about this new technology. We are looking for a variety of backgrounds and viewpoints representing the diversity of our community. You must be at least 18 years old to attend.

Insectival

Come to Tiff Nature Preserve for Insectival, their ninth annual bug-tastic festival of insects and their crawly cousins, on **August 4** from 12 to 4pm! Meet live insects up-close, venture outside for an insect safari, make-and-take buggy crafts, explore educ insect-errific day for everyone! Entries are timed at 12 p.m. and 2 p.m. Open to all ages, cost is \$7 per person (BMS Members save 10%). Rain or shine. [Purchase Tickets](#)

Master Food Preserver Training

Cornell Cooperative Extension of Niagara County is offering a three-day training on **August 13-15** from 8:30am to 4:30pm each day. Anyone looking to learn safe food preservation techniques or strengthen their existing knowledge should take advantage of this 3-day training opportunity. Home food preservation experts will guide participants through all food preservation methods recommended by the US Department of Agriculture (USDA). No prior knowledge of food preservation is needed. The training includes the scientific basis of food preservation, experience in hot water bath and pressure canning, gelled products and pickling, freezing and drying, and more. This three-day workshop will be offered in the new WNY Food Incubator kitchen at CCE Niagara County. Pre- and post- testing as well as evening study are necessary. Program graduates earn a certificate of participation. Cost is \$375.00 per person and includes instruction, a 265-page handbook, and lunch each day. Attendees also receive food samples prepared during the workshop. Course will be taught at 4487 Lake Avenue, Lockport, NY 14094. For more info or to register, call/email Amanda Henning at 716-433-8839 or app27@cornell.edu.

Erie County Household Hazardous Waste Dropoffs

If you have old oil-based paint, fertilizer or pesticides lying around in your basement, garage or shed, 2019 is your lucky year. Erie County Department of Environment and Planning will hold household hazardous waste collection events on: **Aug. 10 at ECC South Campus**; Sept. 14 in Concord; and Oct. 5 in Buffalo. **Residents will have to preregister online or by phone to participate.** [Registration](#) opens 30 days before event. Specific locations of the drop-offs will be provided at preregistration. For more info, visit erie.gov/recycling or call 716-858-6800.

Botanical Gardens Docent Training

The Buffalo and Erie County Botanical Gardens will host [docent training](#) from 9 a.m. to 1 p.m. Aug. 8, 15, 22, 29, Sept. 5 and 12 at the Botanical Gardens, 2655 South Park Ave., Buffalo. Docents lead tours, teach hands-on programs and help with many educational events at the gardens. An education background is not required, but a high level of interest and enthusiasm is. Those trained as a docent who refresher are welcome to attend. For info call 827-1584 ext. 730 or email education@buffalogardens.com.

Buffalo Residential Food Scrap Drop-Off Program

City residents can drop their food scraps for free at one of five locations. Collections will take place on Sundays 9am-1pm at Cazenovia Park Casino, Wednesdays 4-6pm at Massachusetts Avenue farmstand at 387 Massachusetts Ave., Thursdays 4-7pm at North Buffalo Farmers Market at 780 Parkside, Fridays 9-11am at the Broadway Market, and Tuesdays 10am-noon at Downtown Farmers Market on Main St. between Court and Church. For more info, visit www.buffalorecycles.org.

Pick Up Your Copy of the Water Trail Guidebook and Map Set

The new NYS Canalway Water Trail Guidebook and set of four water and tear resistant maps is an indispensable resource for paddlers to experience the waterway. The mile-by-mile guide includes launch sites, paddler-friendly facilities and amenities, and places of interest for over 450 miles of the NYS Canal System, including the Erie, Cayuga-Seneca, Oswego, and Champlain canals. Visit our website to download or order a copy.

<https://eriecanalway.org/explore/boating/watertrail>

NYSERDA Green Jobs Green New York Energy Studies

Small businesses and not-for-profit organizations are eligible for an energy study that identifies and analyzes opportunities to make their buildings more efficient. The energy study includes: A comprehensive walk through of the facility; site staff interviews; utility bill analysis; fuel-neutral, unbiased evaluation of potential low-cost/no-cost and capital improvement energy efficiency upgrades; and a report that outlines potential energy and cost savings opportunities for your facility. Once the study is complete, you receive assistance in identifying potential utility incentives and low-cost financing options to help take the next steps toward implementing energy saving projects. There is a cost-share for the energy study, which is based on the number of full time equivalent employees. For more information call Michelle Wooddell at 1-888-338-0089; email info@NYEnergyStudy.com; or visit <https://www.nyscrda.ny.gov/All-Programs/Programs/Small-Commercial-Energy-Assessments>.

Celebration of von Humboldt

In the upcoming months the City of Buffalo and surrounding communities will be celebrating the 250th anniversary of a man of science: Alexander von Humboldt. Visit <https://geography.buffalostate.edu/humboldt-celebration> for an updated list of activities.

Fundraise for WWF with a Paddle Board Event

Join with nature lovers all over the country by standup paddle boarding on your favorite body of water at [WWF's Panda Paddle Virtual Event](#) on **August 24, 2019**. Paddle board in your own community and connect with others all over the country by using the hashtag #PandaPaddle on your favorite social media sites. **All registered participants will receive a Panda Paddle medal and are eligible for additional incentive items for their fundraising efforts.**

Corona Reduces Plastic-Invites Others to Use their Design

Check out the video at <https://vimeo.com/336137535> (corona fit packs). To create Fit Pack, Corona modified the production line of Corona Extra cans so that they could be stacked one on top of the other. By doing this, they will be removing plastic, cardboard, glue and any other waste that could damage the environment from packaging. They challenged the production and manufacture of aluminum cans from the brewing industry in the modern era to be able to create these cans. Now, the sale of Corona Extra will not be compromised by a package, because the consumer will be able to decide and put together his Corona is not only helping our planet by reducing pollution, they are also generating new behaviors to boost environmental aid and generating changes in the line of thought to look for new ways to help within the industry. An idea that is not only for Corona, is for everyone, to help the planet.

Plastics Made from Cactus

Mexican scientists have created a biodegradable plastic from cactus leaves and other natural materials. The cactus juice becomes a biodegradable plastic. Around nineteen billion pounds of plastic ends up in the ocean each year, and as plastic breaks down there and in landfills, it makes its way into the food system; people now eat an annual diet of more than 50,000 pieces of microplastic. Researchers say that the cactus-based material biodegrades quickly and is -based plastic is carbon neutral as it breaks down the carbon dioxide it emits equals the carbon dioxide it took in as a plant as it grew. [info](#)

The U.S. Environmental Protection Agency (EPA) is establishing the [Green Interns Program](#) to cultivate a collection of the best, qualified candidates to fulfill mission critical occupations nationwide. Starting September 30, 2019, the program will provide recent graduates with an opportunity to serve their country through a career in the federal government while gaining valuable work experience and knowledge of environmental issues. Green Interns Program

Mapping the Course of Climate Change

A new mapping application helps visualize projected climate change by comparing the projected climate of a city with the current climate in alternate locations, helping people to develop an understanding about global warming and its effects. Learn more about the map [here](#) and access the application at <https://fitzlab.shinyapps.io/cityapp/>.

Great Lakes Action and Management Reports for 2018

-based management strategies for protecting and restoring the water quality of the Great Lakes that are produced on a 5-

Report any Spotted Lanternflies

Spotted Lanternfly (SLF)

New Resources Available to Reduce Hazardous Waste & Save Money

DEC has developed a resource guide for hazardous waste generators to reduce waste and save money. Resources include archived webinars presented by the New York State Pollution Prevention Institute (NYSP2I) on topics such as How Your Facility Can Reduce Hazardous Waste and Save Money and Best Practices for Sustainable Manufacturing.

<http://www.dec.ny.gov/chemical/110901.html>

Can Air Conditioning Help Stop Climate Change Instead of Causing It?

According to a new paper in *Nature Communications*, using technology currently in development, AC units in buildings could get turned into machines that not only capture CO₂, but transform it into a fuel for powering vehicles that are difficult to electrify, like cargo ships. Air conditioners not only use electricity, but that they emit heat as well creating urban heat islands in cities. The proposed technology would incorporate a filter that would absorb CO₂ and water from the air, an electrolyzer to strip the oxygen molecule from water to get hydrogen get hydrocarbon fuels. To be carbon neutral, the air conditioners would need to be powered with renewables, but this may allow us to be cooler and generate some fuel.

Encouraging Customers to Bring their Bags: Try Embarrassment

Some retailers have new techniques to encourage people to remember their bags. Only problem-the bags were meant to embarrass and have become popular. Check them out at [funnybags](#).

Save and Share Seeds for Conservation

When you save, grow, and share rare seeds you are helping to build a more secure food future. Visit <https://www.globalseednetwork.org/> to learn to successfully collect, save, and store seeds. You can preserve plant diversity and protect our public food system from corporate consolidation by saving, posting, and sharing seeds with a global community of farmers and gardeners

Join Our Free Monthly Webinars on Specialty Mushrooms

webinar series highlighting the latest research and stories from experienced growers around the world

[E-STEM activity with Bird Nests](#)-summary of an activity learning about bird nests and building them with different materials.

[Water Scarcity and Perseverance: A Humanities Module](#) co-produced with Lowell School! It is geared for students in grade 6-8.

[The Blossoms, the Birds and the Bees: a pollination investigation for Pre-K - Grade 2](#)-This playful lesson plan includes three hands-pollinators, and spark their interest in these important living things. Students will play a matching game to discover why hummingbirds, bees, and use their senses to explore diversity in nature. This lesson plan is made to be adapted, and includes suggestions for extensions and additions to fit the needs of every classroom.

[Animals and Plants Can Live in a City](#) for Grades K-2. Students learn that animals need air, food, water, and shelter, while plants need air, sunlight, and water. Students watch videos and engage with drawing and sorting activities to reinforce their learning.

[How Disruptions Affect Animal Populations](#) for Grades 6-9. Students explore the effects that ecosystem disruptions can have on animal populations and the impacts that a shift in the population of one animal can have on others in an ecosystem.

[_____](#) for Grades 9-12. Students watch videos adapted from NOVA: Treasures of the Earth: Power and analyze data provided in graphs and maps concerning the availability, cost, reliability, and environmental impact of different energy sources.

[The Frogs of Panama](#)

[Niagara Falls National Heritage Area](#) supports important projects and programs throughout the National Heritage Area with the long- term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the [Niagara Falls National Heritage Area Management Plan](#).

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility. Some positions are summer only, so apply now.

[ASHA Animal Sanctuary Internships](#)- Seeking individuals for administrative, development, visitor programs and animal care positions.

[Buffalo & Erie County Botanical Gardens Internships](#)-Seeking individuals to work with Education Dept., Special Events, and Horticulture.

[Summer 4-H Intern](#) will work as part of the 4-H Youth Development team at Cornell Cooperative Extension of Niagara County. She/he will serve as a counselor for the 4-H Summer Day Camp and will have the opportunity to assist with planning and delivering interactive educational programming with an emphasis on STEM (Science, Technology, Engineering, and Math). The intern will also assist with preparing 4-H activities/displays for and working at the Niagara County Fair, the largest public event in our county.

[EquiStar Intern](#) will assist both the Program Coordinator and Barn Manager in providing a therapeutic riding program during the summer sessions. She/he will have the opportunity to assist with planning and delivering the therapeutic riding programming along with learning the day-to-day responsibilities of operating a stable and caring for horses.

Citizen Science

[EPA Citizen Science Database](#)-offers a searchable site for ways the public and EPA can partner to collect environmental information.

[Tree Pictures for NASA Data Verification](#)-

ICESat-2 satellite estimates the height of trees from space, and NASA has created a new tool for citizen scientists that can help check those measurements from the ground. All it takes is a smartphone, the app, an optional tape measure, and a tree.

[WAVE](#) -Collect stream data for the NYS DEC from July to September.

[Other Citizen Science Programs](#)

Upcoming Community Activities:

Monday, July 1

Slow Roll Buffalo- 6:30pm at The Freedom Wall, East Ferry Street & Michigan Avenue, Buffalo,
<https://slowrollbuffalo.org/schedule>

Tuesday, July 2

Campus Wheelworks Tuesday Bike Ride-Show Up at 5:30 at Campus WheelWorks, 744 Elmwood, Buffalo with your helmet and bike, sign a waiver or join the Campus Riding Club, then, decide what ride you want to participate in. Every week we offer 3 different routes that we split into 5 different groups to do our best to accommodate eve

Tuesday Stress Reliver Paddle-6 to 8:30pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. It does not matter if you are a beginner or a seasoned paddler, come join us eve

1st Saturday Volunteering at Pelion-9:30am. 206 Best St., Pelion Community Garden at City Honors, Buffalo.
<https://peliongarden.org/events/>

Kayaking with Kelly-

na, ACA

certified kayak instructors for one-hour lessons. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 282-5154. 11am
12 pm, 1pm 2pm, 3pm 4pm.

Hands-on Nature: Peculiar Plant Galls-2:30 PM - 03:30 PM at [Evangola State Park](#). Have you ever wondered if that odd-l

Slow Roll Buffalo- 6:30pm at Frederick Douglass Community Center 234 Jefferson Ave Buffalo, <https://slowrollbuffalo.org/schedule>

Tuesday, July 9

Campus Wheelworks Tuesday Bike Ride-Show Up at 5:30 at Campus WheelWorks, 744 Elmwood, Buffalo with your helmet and bike, sign a waiver or join the Campus Riding Club, then, decide what ride you want to participate in. Every week we offer 3 different routes that we split into 5 different groups to do our best to

Tuesday Stress Reliever Paddle-6 to 8:30pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle.. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. If you need to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). **RESERVATIONS ARE A MUST IF YOU ARE RENTING**
CALL: 716-213-0350.

Waterkeeper Kayak Tour- 6 to 8pm. East Hill Foundation, 17 Island St, North Tonawanda, NY 14120. Have you ever wondered about microplastics? Join this kayak tour to learn what they are, the threat they pose to our waterways and the things that you can do to help! [Register.](#)

Fairy Houses at Amherst State Park-10:30am. Join a naturalist from Reinstein Woods Nature Preserve in creating a house to attract nature's fairies. Once you learn how, you can make one anywhere. For children ages 5 to 10. Note: this program takes place at Amherst State Park. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

An Introduction to Chautauqua Lake's Invasive Aquatic Plants-6 to 7pm at Roger Tory Peterson Institute, Jamestown NY. This summer, the Roger Tory Peterson Institute (RTPI), in partnership with the Chautauqua Lake & Watershed Management Alliance, the County of Chautauqua, and Evergreen Outfitters in Mayville, will

learn how to differentiate between the beneficial, native aquatic plant species from the invasive, problematic species, and learn what we as individuals and as communities can do to prevent their spread. For more information, visit the

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Waterkeeper Kayak Tour- 6 to 8pm. [Details and registration.](#)

Volunteering at Pelion-4pm. 206 Best St., Pelion Community Garden at City Honors, Buffalo.

Honeysuckle Harvest-9am to noon at Kenneglenn Scenic and Nature Preserve, East Aurora. The Western New York Land Conservancy is partnering with WNY PRISM to remove invasives from the Kenneglenn Nature Preserve. Participants will remove woody invasives like honeysuckle and multiflora rose. Please bring gloves if you have them. Tools will be supplied. Lunch will be provided - please alert us to any special dietary needs when you register. [Register in advance here.](#)

Buffalo River Speaker Series- Invasive Species Identification-6 to 7:30pm at Riverbend, Buffalo. Join Buffalo Niagara Waterkeeper for their Buffalo River Speaker Series. Get to know the more about the invasive species that threaten Buffalo River shoreline habitats and be a part of the solution as we learn to identify and remove them! Learn from local invasive species experts including

Invasive Species Walk and Talk-10:00 AM-12:00 PM at Iroquois National Wildlife Refuge, Visitor Center, Basom, NY. Join experts from Iroquois National Wildlife Refuge on a short hike to learn about the invasive species threatening native plants and animals on the refuge.

-Chestnut Ridge Park, 7:30 am - 1:00 pm

Trail Steward Saturday-10:00 AM-

Phragmites that has invaded them. Registration is required, please call the education center at (716) 683-5959 to sign up for this program.

Hike with a Naturalist-10:00 AM-11:00 AM at Long Point State Park. Explore the natural wonders of the park with a naturalist, free to the public, all ages welcome. [Click here for more information.](#)

Lockport in Bloom-[info](#) 10 a.m. to 4 p.m. Saturday, July 13 and Sunday, July 14. The garden tour is free and self-guided. Maps will be available at the Sweet Chalk Festival in the municipal lots at Pine and Main streets in Lockport and at the Lockport Community Gardens located at North Adam and Market streets in Lockport. This tour includes more than 35 gardens of many types, from small city plots to large park-like spaces.

Samuel P. Capen Garden Walk- 10 a.m. to 4 p.m. The Capen by Night Tour will be held from 8 to 10 p.m. the same day. The tour is free and self-guided. You can pick up maps at UB Anderson Gallery, 1 Martha Jackson Place, Buffalo, or at UHAA

Springville Concord Garden Club Walk- 10 a.m. to 4 p.m. The tour is free and self-guided. Maps can be picked

the brochure at the gazebo, participants will be entered in the raffle. Lucky winners will be contacted to pick up their basket at the gazebo.

Sunday, July 14

Trek Tiff- 2 to 3:30pm. \$2 donation per person is appreciated* | All Ages. Drop in on Sunday afternoons and join us for a casual volunteer-led tour of the Preserve. *Please call 716.825.6397 to confirm walk will be taking place.*

Buzz around Hamburg Garden Walk and Fair- 10 a.m. to 4 p.m. on Saturday, July 13 and Sunday, July 14. The tour is free and self-guided. Participants may pick up a map at the Memorial Park bandstand at Lake and Union streets in Hamburg. There will also be a Garden Vendor Fair in Memorial Park.

Learn to Ride for Adults-6:30 to 8:30pm. The first half of this class will focus on bike safety and the rules of the road. The second half involves putting those concepts into practice with a ride. We will split up into two groups based on experience. One group will learn how to ride a bike while the other will learn how to ride properly in traffic. Suggested for ages 13-adult (participants under 16 must be accompanied by a parent or guardian). Students should bring a bike in gunn.0000091272.025 314(W* n0.00025 189.05 Tm0 g0 Gi)5(t)5(y)9()-(w)13(h)9(i)rth A

Evening Waterfall Walk-7:00 PM - 09:30 PM at [Knox Farm State Park](#). Embark on a journey to Knox Falls and experience the park during twilight hours. For information and registration call (716) 549-1050.

Registration: Required

Lockport in Bloom-[info](#) 10 a.m. to 4 p.m. Saturday, July 13 and Sunday, July 14. The garden tour is free and self-guided. Maps will be available at the Sweet Chalk Festival in the municipal lots at Pine and Main streets in Lockport and at the Lockport Community Gardens located at North Adam and Market streets in Lockport. This tour includes more than 35 gardens of many types, from small city plots to large park-like spaces.

Monday, July 15

Community Engagement Sessions: Reimagine the Canals Initiative-The Rockefeller Institute of Government will launch a series of community engagement sessions for [Reimagine the Canals](#), a state-sponsored initiative to identify new uses for the Erie Canal and reimagine this historic waterway for the 21st century. 6-8 p.m. at the Challenger Learning Center, 160 Washburn Street, Lockport. Invited-Public officials, community and economic development planners, tourism operators and tourism promotion agencies, marina operators, canalside businesses, boaters, canal enthusiasts, and everyone who has an interest in historic preservation, recreation, agriculture, or community vitality along the Erie Canal. [Participants can RSVP prior to attending.](#)

Slow Roll Buffalo- 6:30pm at Masten Park, Best St., Buffalo,

<https://slowrollbuffalo.org/schedule>

Women in Agriculture Discussion Group (WAVES)- 6:30 PM - 8:30 PM at Thorpe's Organic Family Farm*
Hosts: Gayle & Naomi Thorpe, Commodity: Small Fruit, Vegetables, Business Topics: Transitioning to Next Generation, Diversified Operation Management, Production Skill: Fruit Production, Insect Control, Guest Expert: Abby Seaman - NYS IPM Center, *Meet at the main farm address (CSA stand). To register: Contact Jolie Hibit (716)652-5400x176 or jah663@cornell.edu. You can view the full schedule t [WAVES](#)

SciNight Workshop: Watercolors Outdoors- 7:00 PM - 8:30 PM. Put paintbrush to paper during a beginner

view of the water and beyond. All materials provided. *Class will be indoors if weather requires.* Ages: 18+
Cost: \$12 per participant (BMS Members save 10%). [Purchase Tickets](#)

Tuesday Stress Reliver Paddle-6 to 8:30pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet at the store (1000 Ellicott Creek Rd. Tonawanda) at 6:00pm and take a paddling trip on Ellicott Creek up and around the big island. All are welcome, if you have your own boat (canoe or kayak), there is no charge. It does not matter if you are a beginner or a seasoned paddler, come join us every

to rent one, the cost for a solo boat is only \$25.00 per boat or \$35.00 for a tandem. The boat rental includes paddle(s) and PFD(s). RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350.

Wednesday, July 17

Family Nature Hour-6:30pm. Hands-on activities enable families to investigate a different nature topic each session. Note: this program will be held at the Julia Boyer Reinstein Library, 1030 Losson Road, Cheektowaga. Contact the library at 716-668-

Ken-Ton Garden Tour-will be held from Friday, July 19 through Sunday, July 21. Ken-Ton Garden Tour Night Lights will be held from 8:30 to 11 p.m. Friday and Saturday. The daytime tour will be held 10 a.m. to 4 p.m. Saturday and Sunday. The tour is free and self-guided. You can pick up maps at the Aquatic and Fitness Center, 1 Pool Plaza, Tonawanda.

Lancaster Garden Walk- will be held from Friday to Sunday, July 19 to 21. A night showing of approximately 10 gardens will be held from 8:45 to 11 p.m. Friday. The daytime garden walk will be held from 10 a.m. to 4:30 p.m. Saturday and Sunday. Weather permitting, some gardens will host local artists displaying, selling and working. The garden tour is free and self-guided. Maps will be available at Two Chicks and a Rooster, 732 Aurora St., Lancaster; Petals to Please, 5870 Broadway St., Lancaster; and Lancaster Coffee Co. and Cafe, 24 Central Ave., Lancaster.

-1 to 4pm. Tifft Nature Preserve and Buffalo Harbor State Park partner again to present our sixth annual family-friendly celebration of the sky featuring air, wind, and flight-themed activities! Kite flying on the State Park side. Free for all ages.

Fryday Fishing- Red Jacket Riverfront Natural Habitat Park | Foot of Smith Street, Buffalo, NY | 6 pm Kids (4-14 years old) can join an Erie County Park Ranger on Friday evenings to learn the basics of fishing. In addition to fishing, participants can learn about fish identification, fishing equipment and techniques, knot tying, angling ethics, and aquatic ecology. Fishing poles will be provided but this program is limited to 15 kids, due to equipment limitations. Parents must stay on site and supervise their children. Parents do not need a fishing license for this program. [Pre-registration](#)

Goat Island Evening Walk-7:30 PM - 09:00 PM at Niagara Falls State Park. Explore Niagara Falls State Park with a Park Naturalist and experience the beauty of Niagara Falls during the evening hours. For information and registration call (716) 282-5154. *Registration: Required*

Saturday, July 20

Beekeeping Class: Hands-on Inspection July- 5 to 6pm. [Register](#). You can read all the books, take all of the classes, and watch all of the YouTube videos, but there's nothing quite like spending some time checking out a beehive with someone who can explain exactly what you're looking at in real life. Join us and a small group of other new beekeepers as we inspect a hive in our apiary. We'll share our tips for good hive inspection etiquette, and talk about what it is we're looking for (and at!) when we open up our hives.

North Tonawanda Botanical Garden Volunteer Workday-9am to noon at the Botanical Garden, 1825 Sweeney St., North Tonawanda, along the Tonawanda Creek portion of the Erie Canal. Volunteers should dress appropriately for the weather and the work, and take their own gloves and water bottle if possible. For more information, contact

West Seneca Garden and Home Tour- 10 a.m. to 4 p.m. The garden tour is free and self-guided. Maps will be available at Mike Weber Greenhouses, 42 French Road, West Seneca. More than 30 gardens comprise this 8th-

Fix a Flat-Learn the ins and outs of fixing a flat. Includes hands on instruction on tube patching and tube and tire removal and reinstallation. We will also discuss different types of punctures as well as flat prevention. All classes are held at the GObike Community Workshop (98 Colvin Ave) from 6:30pm-8:30pm. Cost for classes is \$10 plus any needed supplies & most classes are limited to 10 people. Please RSVP o adam@gobikebuffalo.org at least TWO days prior to class if you plan to attend. Please indicate in your RSVP if you need to learn to ride or if you are interested in the riding in traffic portion of the class.

Ken-Ton Garden Tour- The daytime tour will be held 10 a.m. to 4 p.m Saturday and Sunday. The tour is free and self-guided. You can pick up maps at the Aquatic and Fitness Center, 1 Pool Plaza, Tonawanda.

Lancaster Garden Walk- will be held from Friday to Sunday, July 19 to 21. A night showing of approximately 10 gardens will be held from 8:45 to 11 p.m. Friday. The daytime garden walk will be held from 10 a.m. to 4:30 p.m. Saturday and Sunday. Weather permitting, some gardens will host local artists displaying,

Tuesday Stress Reliver Paddle-6 to 8:30pm. Come join the guides and instructors of PPP every Tuesday evening for a paddle for either relaxation, stress relief or just plain FUN. We meet at the store (1000 Ellicott

Kayaking with Tina-[info, Beaver Island Nature Center](#)

Tina and Kelly, ACA certified kayak instructors, for more than just the basics. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 282-5154. 6:30 p.m. 8:30 p.m. *Registration: Required*

Thursday Evening Stress Reducer Paddle-6:30 to 9pm. Come join the Paths, Peaks & Paddles guides and instructors for our Thursday evening STRESS reducer paddle for relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet out in Wilson at the Wilson Tuscarora State Park (Route 18 East of Niagara Falls) at 6:30pm in the back parking lot. We will either take a paddling trip on either the East or West Branch of Twelve Mile Creek. To top off the evening we paddle out to Lake Ontario and watch a spectacular sunset over Toronto 38 Miles away across the lake. The vibrant colors across the sky and mirrored on the lake is breathtaking. Here you can really appreciate Mother Nature and the beauty she shares with us. All are welcome if you have your own boat (canoe or kayak) there is no charge. If you need to rent one, the cost is only \$30.00 per boat solo or \$40.00 tandem delivered out to Wilson for you, includes paddle(s) and PFD(s). We will bring the rented boat out to you! RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350. Or [contact us](#).

Friday, July 26

Fryday Fishing- Seneca Bluffs Natural Habitat Park | Near the Seneca Street Bridge, between Elk Street and Avon Place, Buffalo, NY | 6 pm. Kids (4-14 years old) can join an Erie County Park Ranger on Friday evenings to learn the basics of fishing. In addition to fishing, participants can learn about fish identification, fishing equipment and techniques, knot tying, angling ethics, and aquatic ecology. Fishing poles will be provided but this program is limited to 15 kids, due to equipment limitations. Parents must stay on site and supervise their children. Parents do not need a fishing license for this program. [Pre-registration](#)

A Dose of Nature: Beach Walk-6:30 PM - 08:00 PM at [Beaver Island Nature Center](#). Escape the stresses of life, increase physical activity, and energy level, improve mood and reconnect with nature. In the last month, how often have you skipped stones, smelled a flower, watched a sunset? Join us on a beach walk along the shore of the Niagara River, watch the sun start to set and skip a rock or two. For information and registration call (716) 282-5154. *Registration: Required*

Saturday, July 27

Ribbit, Slither, Croak!-10am. Discover snakes, turtles, frogs, and salamanders as we explore the ponds and forests at Reinstein Woods. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Birding 101: Class #7-2:30pm. Search for sparrows in the woods and learn about the eight species that visit here. For adults and children ages 8 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Paddles Up Niagara-7am to 2pm at Beaver Island Nature Center. Niagara River Greenway, NYS Parks, Wear it! New York, Town of Grand Island, Buffalo Niagara Waterkeeper www.bnwaterkeeper.org/paddlesup

Draves Arboretum Events-Shinrin-Yoku, loosely translated into forest bathing, will be held during a day of public events at [Draves Arboretum](#), 1821 Sharrick Rd., Darien. During Shinrin-Yoku, you will be skillfully guided in a gentle, enjoyable, full sensory experience of the forms, sounds, fragrances, textures, tastes and energy of the trees. The walk will conclude with a wild tea, foraged from an arboretum tree. Shinrin-Yoku can have help mental, emotional and physical well-being. The day will also include a fresh lunch of seasonal, local food and a guided tour of the arboretum with Thomas Draves, founder of the arboretum. In the tour, you will learn the names and landscape uses of many special species. Times and prices are: 9:30 am-12:30 pm **Shinrin-Yoku**: \$45 per person, 12:30-1:30 pm **Local Foods Lunch**: \$15 (vegan and gluten free options available), 1:30 pm-3 pm **Guided Tour**: \$12, Full Day **Discounted Rate**: \$67.

Garden Walk Buffalo-

Waterkeeper Kayak Tour- 5 to 8pm. [Details and registration.](#)

Thursday, August 1

Wellness Walks-10:00am - 12:00pm. Drop by Tiff Nature Preserve every Thursday and join us for a casual volunteer-led tour of the Preserve. Please call 716-825-6397 to confirm walk will be taking place. Open to all, \$2 donation per person is appreciated.

Volunteering at Pelion-4pm. 206 Best St., Pelion Community Garden at City Honors, Buffalo.

Kayaking with Tina-[info](#), [Beaver Island Nature Center](#)

Tina and Kelly, ACA certified kayak instructors, for more than just the basics. A kayak, paddle and life jacket will be provided for the class. Weather permitting. Space is limited, sign up early. For information and registration call (716) 282-5154. 6:30 p.m. 8:30 p.m. *Registration:* Required

Thursday Evening Stress Reducer Paddle-6:30 to 9pm. Come join the Paths, Peaks & Paddles guides and instructors for our Thursday evening STRESS reducer paddle for relaxation, stress relief or just plain FUN. It beats sitting in front of the tube and definitely beats yard work. We meet out in Wilson at the Wilson Tuscarora State Park (Route 18 East of Niagara Falls) at 6:30pm in the back parking lot. We will either take a paddling trip on either the East or West Branch of Twelve Mile Creek. To top off the evening we paddle out to Lake Ontario and watch a spectacular sunset over Toronto 38 Miles away across the lake. The vibrant colors across the sky and mirrored on the lake is breathtaking. Here you can really appreciate Mother Nature and the beauty she shares with us. All are welcome if you have your own boat (canoe or kayak) there is no charge. If you need to rent one, the cost is only \$30.00 per boat solo or \$40.00 tandem delivered out to Wilson for you, includes paddle(s) and PFD(s). We will bring the rented boat out to you! RESERVATIONS ARE A MUST IF YOU ARE RENTING CALL: 716-213-0350. Or [contact us](#).

Friday, August 2

Northwest Buffalo Tour of Gardens- 10 a.m. to 4 p.m. Friday, Aug. 2 and Saturday, Aug. 3. This free, self-guided tour highlights groups of gardens within five distinct parts of Northwest Buffalo. Visit one or two areas or all five
Church, 311 Ontario St., Buffalo. There will be a garden market from 11 a.m. to 3 p.m. each day. A stargazing night tour will be held also from 8 to 10 p.m. both days.

Friday Fishing-

Mommy and Me Paddle-9:00-11:30am. Do you want to introduce your young daughter or son to kayaking but morning adventure with you! We will provide to you a tandem kayak, paddles and life jackets. Your guide will outing is geared for small groups so we can spend quality time with each kayak. Join us on for a fun family paddle! Cost is \$12 per kayak. Reservations are a must! Time: 9:00 am until approximately 11:30 am. Questions are welcome at: 716-213-0350 or [contact us](#).

-11 am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Volunteering at Pelion-9:30am. 206 Best St., Pelion Community Garden at City Honors, Buffalo.

Sunday, August 4

Insectival- 12:00 PM - 4:00 PM. Join Tiff Nature Preserve for their ninth annual bug-tastic festival of insects and their crawly cousins! Meet live insects up-close, venture outside for an insect safari, make-and-take buggy crafts, explore educational insectigation s insect-errific day for everyone! Timed entry at 12 p.m. and 2 p.m. Ages: All Ages, Cost: \$7 per person (BMS Members save 10%). Rain or shine. *Insectival is presented by RP Oak Hill Building Company Inc.* [Purchase Tickets](#)

Trek Tiff- 2 to 3:30pm. \$2 donation per person is appreciated* | All Ages. Drop in on Sunday afternoons and join us for a casual volunteer-led tour of the Preserve. *Please call 716.825.6397 to confirm walk will be taking place.*

Tips for the Environment:

- 1. Try Natural Pest Control Methods**- Check out the advice at [earth911](#), [emagazine](#), [tickfree](#). Tips include cedar oil for insect repellent

Ongoing Volunteer Opportunities Available

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or glight@rochester.rr.com for more information.

Junior Solar Sprint Buffalo- If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the leadership committee, please contact jssbuffalo@yahoo.com

Education Resources

[Green Education Foundation](#)

[Facing the Future](#)

[Cloud Institute for Sustainable Education](#)

[Sustainable Futures Institute](#)

[Nature Generation.](#)

[The Center for Ecoliteracy](#)

[Hamline's Center for Global Environmental Education \(CGEE\)](#)

[The National Science Teachers Association Learning Centers](#)

[The US Partnership for Education for Sustainable Development](#)

Grant Opportunities/Tools

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>

<http://assembly.state.ny.us/gan/>

www.grantstation.com

www.grantwatch.com

www.grantsalert.com

<https://attra.ncat.org/index.php>

<https://grantsreform.ny.gov/>

Urban Farms/ Composting/Rural Community-Supported Agriculture/Sustainable Practices-

Arden Farm- <http://theardenfarm.com/>

Becker Farms- <http://www.beckerfarms.com/csa>

Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>

Canticle Farms-<http://www.canticlefarm.org>

Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>

Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>

Sinemus Farms- <http://www.sinemusfarms.com/>

Singer Farms Naturals-www.singerfarmnaturals.com

Teacup Farm- <http://www.teacupfarm.com/>

Organic Farm- www.thorpesorganicfamilyfarm.com

Westside Tilth Farm- <http://westsidetilth.com/>

Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>

- http://www.bestofwny.com/farmers_market/

Local Harvest (resource site with map of CSAs)-<http://www.localharvest.org/>

Local Meats- <http://meatsuite.com/>

Great Lakes Center at Buffalo State College

<http://greatlakescenter.buffalostate.edu/>

Great Lakes Experience

Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/ www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylev.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysacny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html
New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	https://parks.ny.gov/
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Fishing Expo	

Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafontierbotanicalsociety.org/niagar
Niagara River Anglers Association	www.facebook.com/Niagara-River-Anglers-101363388708865/
Niagara River Greenway Commission	https://www.niagararivergreenway.com/
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Our Outer Harbor	http://www.ourouterharbor.org/
Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Pelion Garden	https://peliongarden.org
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org
Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
Pollinator Conservation Association	http://www.pollinatorconservationassociation.org/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
PUSH Blue	https://www.facebook.com/PUSHBlueWNY/
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	https://levesqueinstitute.niagara.edu/

Western New York Service Learning Coalition

<http://levesqueinstitute.niagara.edu/programs/wnyslc/>

Western New York Soil Health Alliance

www.wnysoilhealth.com