Enviro-News

March, 2018

Sponsored by Daemen College's 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:

Nuclear Waste Risks and West Valley Scoping Hearings

Come hear about the possible implications of not cleaning West Valley with its buried radioactive waste. Alan Lockwood, MD, will present the issues followed by a panel discussion on **Thursday, March 1** at 7pm at the Burchfield Penney Art Center. The presentation will also provide background so you can comment at the upcoming Environmental Impact Statement (EIS) hearings on **March 19-21** to collect public input. The Department of Energy and NYSERDA are proposing to conduct the final Supplemental EIS to forge a final determination of what to do with this nuclear material. Meetings are 6 to 9:30pm on **March 19** at West Valley Volunteer Hose Company, Inc., Firemen's Memorial Hall and Training, 9091 Route 240, West Valley, NY 14171, in the Main Hall, **March 20** at Erie Community College, City Campus, Post Office Building, 121 Ellicott Street, Buffalo, NY 14203, in the Minnie Gillette Auditorium and **March 21** at Seneca Nation of Indians Cattaraugus Council Chambers, 12837 Route 438, Irving, NY 14081. You must register to speak (5 minute limit) by contacting the DOE Document manager, Martin Krentz 716-942-4007 or emailmartin.krentz@emcbc.doe.gov. Written comments will also be accepted at these meetings or until April 23, 2018.

SPCA Spring Wildlife "Baby Shower"

The spring season is fast-approaching and the SPCA will see an influx of orphaned and injured baby wild animals. Please join us on **March 10**- from 10am to 2pm for an open house as we celebrate all things wild and prepare for the busy baby season. The SPCA serving Erie County is located at 300 Harlem Rd., West Seneca. For a wishlist for gifts,visit http://yourspca.org/wildlife-baby-shower/ . Tour ther Wildlife Rehabilitation Center where we care for thousands of animals Visit with live animals and wildlife ambassadors from the SPCA, the Buffalo Audubon Society, SkyHunters USA, and the Citizen Coalition for Wildlife and Environment.

Clean Energy Symposium: Student Projects Can Win Prizes

The Clean Energy Symposium will be held at SUNY University of Buffalo on April 23 from 4:30-6pm. UB Sustainability is searching for individual students or student groups from across New York State to present their passion in creating a sustainable world through clean energy. Students that have completed a project or program should apply to present their work in a five minute speech with minimal use of graphics. Students that have an idea for a new policy, program, or invention can pitch it to the audience. Lastly, groups of students can present their work in a PechaKucha-style using images that automatically advance for a total of two minutes. Deadline to submit a proposal for consideration is **March 16**. For info, visit http://www.buffalo.edu/sustainability/keyinitiatives/rev-campus-challenge/CleanEnergySymposium.html

New Partnership Brings Fresh Food Fellows

Groundwork Buffalo, Field & Fork Network and Grassroots Gardens are pleased to announce the Fresh Food Fellows: Urban Agriculture Entrepreneurship Program, a paid job training opportunity and certification program for Buffalo youth that will prepare the next generation of food and agriculture industry professionals for the workforce. Over the course of six months, participants will gain employable and transferable job skills by learning how to grow, cultivate and sell produce in an urban environment. The program, which will kick off in late March and run through August, brings three organizations together in partnership. Field and Fork Network will adapt their Fresh Food Fellows educational curriculum to conduct classroom workshops on personal goal setting, resume writing, interview skills, workplace management, and business planning; and Grassroots Gardens will train participants in the cultivation, construction and operation of a market garden and farm stand. The deadline to apply is **Thursday, March 8, 2018**. Information

Conservation Tree and Shrub Orders for Erie and Niagara County

County Soil and Water District offices are taking orders for their annual sale of trees and shrubs. For Erie County, order by **March 16** and pick up on April 21. Eleven varieties of Transplants and 33 varieties of Seedlings, and Seedling Combination Packs are available-use the 2018 Order Form. For Niagara County, order by **March 9** for April 20 and 21 pickup- The 2018 Tree and Seedling order form can be accessed HERE!

Tree Seedlings Available to Protect Water Quality

Among their many benefits, trees help protect our streams and lakes by stabilizing soil and using nutrients that would otherwise wash into waterways. Through May 9, DEC's Saratoga Tree Nursery has a large variety of low-cost, native tree shrubs and seedlings for sale to the public. Available species include trees and shrubs ideal for streamside restoration and buffers, and a riparian species variety packet. Schools across New York State are also eligible to receive free seedlings for spring planting through the DEC School Seedling Program. The program provides 50 tree seedlings or a mixed packet of 30 wildlife shrubs to any public or private school for planting on school grounds or other community spaces and offers teachers a great resource to enhance environmental lessons.

Register for the 2018 WNYEA Congress!

This year's Western New York Environmental Alliance Congress is co-sponsored by PechaKucha Buffalo and will feature fun and fast-paced presentations of the work of WNYEA members as well as innovators in the region working to improve the health and wellness of the environment through design. Learn more about PechaKucha **here**, and plan to attend on **March 14th** from 6-9pm for the annual congress @ The 9th Ward | Babeville Buffalo. Register. Cost is $5 for non-members.

The EMC Environmental Excellence Awards Program

Started in 2015, the Erie County Environmental Management Council program recognizes exceptional projects carried out by municipal and non-profit organizations in Erie County that stand to have a significant and lasting positive impact on the natural environment. The awards program is designed to showcase and promote projects that can be replicated in communities across Erie County and beyond. If you represent a municipal government or non-profit that has recently completed a project that has environmental benefits, we invite you to nominate your project for consideration. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. The 2018 Environmental Excellence Award application is available here and nominations are due by **March 15, 2018**. Please address any questions to Josh Wilson at peter.wilson@erie.gov.

Doug Tallamy: Treasures Among Our Natives

The WNY Land Conservancy is hosting a special talk on **Friday, March 16** with Doug Tallamy, famed author of "Bringing Nature Home" and "The Living Landscape." Dr. Tallamy is a Professor of Entomology at the University of Delaware Department of Entomology and Wildlife Ecology. The author will speak from 7 to 8pm at the Niagara Power Vista. This event is a part of the Land Conservancy's multi-year Restore the Gorge project, which will maintain and enhance the ecological diversity of the remarkable Niagara Gorge…Free, but space is limited. Reserve at https://wnylc.org/get-involved/events/

Plantasia Brings Spring

Plantasia, WNY's Premier Garden and Landscape Show: The Official Sponsor Of Spring, will be held this year **March 22-25, 2018** at The Fairgrounds Event Center, 5820 South Park Avenue, Hamburg. For details on the five-day event, visit https://plantasiany.com/Event-Schedule

Environmental Champions Program

Mayor Byron W. Brown and Superintendent Kriner Cash have announced their commitment to enhance recycling across the Buffalo Public Schools. The Environmental Champions Program (ECP) is an educational initiative for students, teachers, and school administrators to practice the 3R's of waste management. Eligible schools will receive an award of $500 for stewardship items such as garden supplies, compost unit, or classroom recycling bins. All K – 12 Buffalo Public Schools are eligible to apply. To participate, email Recycling Coordinator: Sashti Balasundaram (sbalasundaram@city-buffalo.com) and inform him of your school's involvement by Friday, **March 23rd, 2018** with your School Name, School Address, and a School Contact overseeing this initiative. Deadline for submission with the program is Friday, May 11th, 2018. Application: EnvironmentalChampionsProgram-Booklet

Event registration is now open for the 2018 Canal Clean Sweep

The NYS Canal Corporation and Parks & Trails New York once again request your participation in Canal Clean Sweep, the annual "spring cleaning" for New York's Canal and Canalway Trail system. Most of this year's events will take place **Friday-Sunday, April 20-22, Earth Day weekend.** Clean Sweep will help kick-off the 193rd consecutive navigation season on the New York State Canal System, the second year of the Erie Canal Bicentennial, and the Centennial year of the NYS Barge Canal. We're aiming to make the 13th annual Canal Clean Sweep the most successful yet. That's why we are asking organizers to register events now.

Green Up Jamestown

Join us for a series of Green Up Jamestown events to celebrate our natural assets and to inspire future generations to learn, love, and protect our environment! Roger Tory Peterson Institute (RTPI) is a proud partner in the the Green-Up Jamestown Coalition (GUJC) which endeavors to unite the Arts, Humanities, and Sciences; business and industry, and community leaders to increase citizen's love of nature, promote environmental awareness, and create local-to-global sustainability. RTPI works with community partners and sponsors of the GUJC to organize grassroots teaching and learning events modeled after those utilized during the first Earth Day in 1970. In the coming months, a diverse set of events will be offered throughout Jamestown. View the full schedule of events from **February through May** at https://www.greenupjamestown.com/.

NY Organics Summit

The 4th Annual New York State Organics Summit will take place **March 27th-28th , 2018** at Poughkeepsie Grand Hotel in Poughkeepsie, NY. This yearly event engages stakeholders from across the state in facilitative discussion aimed at developing creative solutions to barriers that restrict the sustainable management of organics materials (i.e. food scraps, yard waste, manure, etc.). The end goal is to significantly increase diversion of organics from landfills by increasing donation of edible food, and by increasing organics recycling through composting, anaerobic digestion, and other processes.

New York State Environmental Excellent Awards

Is your organization, business, school, municipality or agency taking innovative approaches, advancing sustainable practices, generating economic growth or harnessing the power of creative partnerships? You could be one of NYS's next award winners! Submit applications no later than **Friday, April 13, 2018**. Application materials and a "Tips for Applicants" guide will be posted on DEC's website.

Reduce Your Carbon Footprint with the Drawdown EcoChallenge

Drawdown EcoChallenge is a 21-day engagement program focused on carbon reduction. The Challenge takes place **April 4-25** and follows actions highlighted in Drawdown, a book based on meticulous research that maps, measures, models, and describes solutions to global warming that already exists. Drawdown EcoChallenge is free and open to the public. Participants can join an existing team, create a new one, or join the Community team. Drawdown EcoChallenge provides tools and inspiration to turn intention into action and gives participants a fun way and social way to think about and act on proven solutions to reverse global warming. Over eighty actions within seven Challenge categories provide participants with diverse options to reduce carbon usage. Participants track and share their progress online in a robust platform and earn points for taking action. The combination of collective action, camaraderie, and friendly competition makes change a little easier — and a lot more fun. Check out the challenges at https://drawdown.ecochallenge.org/challenges

NY GEO Renewable Heating & Cooling Conference

Join us for the fourth annual NY-GEO Renewable Heating & Cooling Conference at the Radisson in Albany, New York on **April 18 & 19**! NY-GEO 2018 is the premier northeast renewable heating and cooling conference. This year's event will feature leading designers and installers, national and international geothermal experts, and representatives from state agencies.

Symposium on Energy in the 21st Century

The 14th Annual Symposium on Energy will be held on **April 20, 2018** in East Syracuse, NY. For info or to register, visit REGISTER NOW.

Save The Date: Spring Shoreline Sweep

Buffalo Niagara Waterkeeper's annual Spring Shoreline Sweep is planned for **Saturday, April 21** from 10am to noon. The event engages and educates over 2,000 volunteers about water pollution and prevention methods. The Sweep has become the largest single-day shoreline cleanup in all of Western New York and directly prevents litter from pollution over 40 waterways around our region. Join us in celebration of Earth Day and take part in Citizen Action. Registration will be posted on our website by March. Bnwaterkeeper.org

2018 Legacy Cities Preservation Conference in Buffalo

Preservation Buffalo Niagara is thrilled that Buffalo will be hosting the next Legacy Cities Preservation Conference from **July 11th – 14th, 2018**. This will be the third biennial interdisciplinary convening of preservationists, community developers, economic developers, urban planners, urban policymakers, urban designers, and others. It will be an opportunity to collaborate, share ideas, and devise solutions for creating a more integrated approach to planning for the future of Legacy Cities, bringing historic preservation into urban policymaking, and crafting a 21st century preservation profession that is responsive to the needs and conditions of Legacy Cities and our diverse inhabitants. Check back for more info.

Cycle the Erie Canal Tour

Join us **July 8-15** for Parks & Trails New York's 20th annual Cycle the Erie Canal tour**.** The tour offers an unparalleled opportunity to experience great cycling while taking in the rich history of the legendary canal that helped transform America. The tour offers an unparalleled opportunity to experience great cycling while taking in the rich history of the legendary canal that helped transform America. Sign up today to join over 600 cyclists ride across New York this summer along the historic Erie Canal, which is celebrating its 200th birthday this year.

Earth Spirit Expeditions-Guided Wildlife Tours

Join Earth Spirit for one of their upcoming trips for summer or winter 2018. From **August 1-11**, they will lead a program in Wyoming for outdoor enthusiasts and are interested in backpacking adventures, fly fishing and field studies in the Rocky Mountain wilderness. From **August 14-24**, a Yellowstone National Park trip will share the ecological legacy of predation by large megafauna in Yellowstone National Park. There will be moderate hiking, fly fishing, wildlife observation and photography, exploring natural areas, historical sites, and nearby towns. They return to Yellowstone National Park from **December 8-17** for winter, observing wolves, wildlife and predation. Our nation's oldest national park is a place of exceptional beauty in winter and the wildlife viewing and photography is beyond belief. For more info, visit http://earthspiritedu.org/.

WNY STEAM Conference

Educators and STEAM (science, technology, engineering, art and math) professionals are invited to submit proposals for a 50 minute workshop at the WNY STEAM Conference to be held **August 6** at Daemen College. Workshops will address arts integration, include real world connections and emphasize creativity and design. The conference brings K-12 educators together to learn more about STEAM and discuss best practices. Visit www.edcowny.org/stem for details and the link for online submission. This year's theme is "Building Buffalo and Beyond".

The Foundry Offers Hands-on Classes: Build your own Furnishings

Want a new skill? The Foundry, 298 Northampton St. in Buffalo, offers artisan classes including glass blowing, leatherworking, upholstery and woodworking. To check out the full list of classes, click here.

Adopt-a-Horse: Support the Solar-Powered Heritage Carousel

A solar-powered historic carousel is planned for Canalside in 2018. The Buffalo Heritage Carousel, Inc. is currently restoring the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots, with most currently needing restoration. Consider adopting one of the animals or contributing to the efforts of the project. For info, visit http://buffaloheritagecarousel.org/

DEC Conducting River Otter Surveys Throughout New York

River otter (*Lontra canadensis*) surveys are underway throughout New York State. The survey period extends from the beginning of December until the end of March. DEC personnel conduct these surveys by walking along waterbodies looking for any sign of otter including tracks, scat, slides, and otter themselves! The photo shows DEC staff next to otter tracks and slides. The purpose of these surveys is to assess the current status of river otter in New York State, including within the recovery zone where otter were reintroduced in the late 1990s/early 2000s. DEC is also requesting that the public report sightings of river otter, as well as bobcat, fisher, and weasel in Upstate New York and beaver, gray fox, weasel, mink, coyote, and skunk on Long Island and New York City.

Grocery Stores are Going Green!

The average grocery store uses 1.5 million gallons of water each year. Grocery stores dispose of half a million pounds of food waste annually, nearly all of which goes to the landfill and use 660 lbs. of cleaning products containing 150 lbs. of hazardous chemicals. The New York State Pollution Prevention Institute (NYSP2I) and DEC teamed up to help grocers drive down their operating costs and reduce their environmental footprint. Read about the Sustainable Grocer Program.

Penn Dixie Publishes Official Field Guide

Thanks to the New York State Geological Association, Penn Dixie is pleased to offer a digital version of their definitive guide — Penn Dixie Fossil Park & Nature Reserve: A Window Into The Devonian Period of Western New York. The guide appears in the 89th Annual NYSGA Meeting Guidebook — print copies may be purchased. You may download the Official Penn Dixie Field Guide for educational use only.

Want to increase your sustainability practices at Work?

We've all heard it before – "buy green products" – but what does that mean and how do I know if I am really purchasing an environmentally preferable product for my home or business? New York State agencies have taken a close look at what it means to buy truly green products and where to find them. They have developed criteria to purchase items that reduce harmful health and environmental impacts, minimize toxicity in packaging, and maximize recycled and renewable content. Check out the deep dive on everything from carpeting to lighting and from electric vehicles to office furniture at the "Green NY" website.

Database for Farmers Market Volunteers and Interns

Many farmers markets use volunteers and student interns to help keep their markets running smoothly. Other markets wish they had a volunteer program to help manage and grow their market. But the thought of recruiting, training and supervising volunteers is daunting, often intimidating. Without a helping hand, these markets are missing an opportunity to make their markets more customer friendly, a more vibrant shopping experience; as well as a much more lucrative market for their vendors. The Farmers Market Federation of NY is offering you that helping hand! We are creating a database on our website of all market volunteer and internship opportunities throughout New York's farmers markets. The database will be promoted to colleges and communities across the state, encouraging them to match their interests with the opportunities found on the database. To create the database, we invite all markets to submit their volunteer and internship opportunities through a convenient web portal here. The information provided will populate a spreadsheet that will be maintained on the Federation's website. We plan to publish the database by mid-January, so don't delay, get your information entered ASAP here.

New York's Got Fish

New York has one of the richest and most diverse populations of fish in the nation. Over 165 fish species inhabit the state's 7,500 lakes and ponds and 70,000 miles of rivers. Learn more about these fish and where they can be found in the Atlas of Inland Fishes of New York. Check out these images of New York fish species including many dating back to the late 1800s.

NYS Plastic Bag Task Force

Across New York, residents use 23 billion plastic bags annually. A significant number of these bags make their way into the environment causing litter and damaging wildlife, which can be seen within our waterways, along our streets and in our oceans and lakes. The New York State Plastic Bag Task Force generated their final report (PDF) with an analysis of the impacts of single-use plastic bags and several options for legislation that could help develop a statewide solution to the problem

Erie County to Follow Paris Climate Agreement

Erie County Executive Mark Poloncarz acknowledged that Erie County will adhere to the Paris Climate Agreement. Poloncarz announced completion of a new report, "Erie County Commits to Paris: How Erie County Can Meet U.S. Target Reductions for Greenhouse Gas Emissions", that reveals the county has already reached target reductions for reducing its carbon footprint. Overall the county's consumption of greenhouse gas emissions for our internal operations decreased by exactly 26% from 2005 to 2014. The county will support ways to encourage community involvement to preserve the environment for the future generations. The report is available here.

Electronics Recycling: Collection Events

Sunnking has residential electronic collection events throughout the upstate NY area throughout the year. You can view the first half of 2018's schedule at https://www.sunnking.com/consumer-business/events/!

NY-Sun Solar Guidebook and Technical Assistance for Local Governments

NYSERDA launched the NY-Sun Solar Guidebook for Local Governments which includes updates to the NYS Unified Solar Permit and guidance on the New York State fire code, along with other practical info to aid local officials. Does your town need an expert's opinion on a solar question? Local governments can access free training and technical assistance from NYSERDA's NY-Sun Photovoltaic Trainers Network (PVTN). The PVTN offers in-person trainings for municipal officials statewide and a set of online resources about solar energy.

New Desalination Technology Recovers Lithium with Water

Scientists have developed a new process that makes safe drinking water while also recovering lithium ions. Lithium ions can then be put to use in batteries. The technique uses metal-organic frameworks (MOFs), which possess the largest internal surface area of any known material. This enables the MOFs to effectively capture, store and release different molecules. Beyond the uses in this new process, MOFs may also be utilized for carbon emission sponges, high-precision chemical sensors and urban water filters. Unlike reverse osmosis (RO) membranes, the water filtration process utilizing this new technique does not require water to be forced through at high pressures as RO does, saving significant energy costs. Because lithium ions are abundant in seawater, these ions are left behind for harvesting after desalination. For more info, visit https://www.sciencedaily.com/releases/2018/02/180209170640.htm.

Project Sunroof

Are you curious about how much solar could be generated by your roof? Now you can use Google Earth imagery to analyze your roof shape and local weather patterns to create a personalized solar plan. Check it out here.

Reuse Action in Action: Source for Reusable Materials

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video here for their recent work. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them to Reuse Action. Check out their website atwww.reuseaction.com, call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

Food not Bombs

Buffalo Food Not Bombs prepares shares a free vegan meal with anyone who is hungry at Lafayette Square on Mondays and Saturdays from 1 to 2 p.m. Volunteers are ALWAYS welcome! Food Not Bombs shares food as a form of political protest, drawing attention to the fact that society fails to provide food and housing for all people, while hundreds of billions of dollars are given to fund wars and state violence. For info, foodnotbombs

New Opportunity to Join the iMapInvasives Certified Trainers Network!

Are you interested in learning more about iMapInvasives which is a statewide effort to combat invasive species? Did you miss the first round of trainings? Now is your chance, register to join us! Each training webinar will last approximately two hours with time for discussion throughout. The training will include a walk-through of the iMapInvasives website, observation database and steps for hosting a training. Webinar registration is limited to create a more inclusive environment. More information can be found at the Certified Trainers Network. The next webinar is Tuesday, March 13 from 9:30am to 11:30am. REGISTER HERE: https://goo.gl/hJj46H.

Braddock Bay Bird Training

Braddock Bay Bird Observatory is pleased to offer an Advanced Molt Workshop, running from the afternoon of Saturday July 21 through the morning of Wednesday July 25, 2018. This workshop is aimed at banders who are currently involved with or who are considering opening MAPS stations, and at migration or project-based banders who desire a better grasp of molt and other aging techniques. Their Fall Banding Workshop will be offer a Banders' Training Course which will be taught from Monday September 24 to Sunday September 30, 2018. Workshops fill up early, so register if interested. Info

Hemlock Woolly Adelgid Educational Video

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State's hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit here. View video at https://www.youtube.com/watch?v=AupnMjYaI0Q.

Free Online Course About Orchids

Longwood Gardens is offering a free online course called "Everything About Orchids." You can join this online course anytime. It is self-paced. Learn through video lectures, discussion forums and opportunities for interaction with the instructors. The course also offers you a chance to share your growing experiences with fellow enthusiasts. Whether you are new to orchids or a seasoned grower, this class will offer valuable insights from the experts at Longwood Gardens, located in Kennett Square, Pennsylvania. Enroll here.

"Plog" Away and Clean up our Neighborhoods

Keep America Beautiful has partnered with Lifesum, the first health app to allow its 25 million users to log, track and estimate the number of calories burned while plogging, to turn the emerging trend into a habit. Already adopted by thousands of Europeans (and now by American early adopters), plogging -- a play on the Swedish 'plocka upp' (meaning 'pick up') and 'jogging' -- is the act of picking up litter while running. With plogging, all you need is running gear and a bag for trash or recyclables, and you are not only improving your own health, but your local community, too. Ready to get plogging? Continue reading here!

Communities Recycle More Plastics and Reduce Contamination Through Improved Education

Municipalities work to educate their residents about how to recycle more and recycle right, especially when it comes to plastics. Over the years, more plastics are entering the recycling stream as packaging evolves and more products come in plastics instead of other materials. And because there are so many different types of plastics—and which ones can be recycled varies from community to community—there's potential for plastics to end up in the wrong bin. We've seen that better communication with residents can lead to more and better recycling. Yet, often education materials are only updated when absolutely necessary, like when a recycling program changes what items it accepts since updating education materials can be resource-intensive. So, is there a program to help communities improve recycling education for plastics that is easy, economical, and effective? Three communities used a new resource—the Plastics Recycling Terms and Tools—and found that the answer is: yes!

Tool to Analyze Benefits of Green Infrastructure

The University of Maryland Environmental Finance Center recently published a report, Holistically Analyzing the Benefits of Green Infrastructure. This document is intended to help smaller local governments, particularly those with MS4 stormwater programs, to evaluate the benefits of green infrastructure. It details how combining green and gray infrastructure systems allows local governments to lower costs, solve systemic water challenges and enhance a community's quality of life. The report was recently featured in a Chesapeake Bay Program blog.

Current NY Environmental Bills List

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. http://www.eany.org/our-work/bill-ratings

A new approach to rechargeable batteries

A type of battery first invented nearly 50 years ago could change the face of energy storage technologies, thanks to a new finding by researchers at MIT. The battery, based on electrodes made of sodium and nickel chloride and using a new type of metal mesh membrane, could be used for grid-scale installations to make intermittent power sources such as wind and solar capable of delivering reliable baseload electricity. Although the basic battery chemistry the team used, based on a liquid sodium electrode material, was first described in 1968, the concept never caught on as a practical approach because it required the use of a thin membrane to separate its molten components, and the only known material with the needed properties for that membrane was a brittle and fragile ceramic. These paper-thin membranes made the batteries too easily damaged in real-world operating conditions, so apart from a few specialized industrial applications, the system has never been widely implemented. With new materials available to serve as the thin membrane, there may be new opportunities for this battery design. Visit http://news.mit.edu/2018/metal-mesh-membrane-rechargeable-batteries-renewable-energy-0122.

Native Fish Species Now Protected

The New York State Department of Environmental Conservation (DEC) is asking anglers and outdoor enthusiasts to report Paddlefish sightings in State waters. The Paddlefish is native to southwestern New York,but disappeared from the state over a century ago due to dams and pollution in the area and it is now protected. DEC began a stocking program in 1998 to restore this species to the Allegheny Reservoir and to Chautauqua Lake and Conewango Creek of the Jamestown area. Two of the fish species have been caught in the Jamestown area in the last two years. DEC is now asking for the public's help with the State's recovery efforts by reporting the following details of Paddlefish seen in this area:

- Location and date where seen, including the name of the water body in Western NY and a nearby landmark. Please share information if visiting Pennsylvania and within 20 miles of New York.
- How the fish was observed (caught by angling, seen swimming in the water, dead on short, etc.) If the fish is deceased, saving and freezing the anterior 6" of the snout could allow biologists to determine the age or stocking history of the fish.
- Approximate length of the fish, and a photo if available.

To report a sighting please email fwfish6@dec.ny.gov or call 716-379-6374.

Free Riparian Buffer Resource Published

Division of Water publications are now available on the DEC website. Protect Our Waters: Funding and Assistance for Planting Riparian Buffers (PDF, 801 KB) describes the variety of federal, state and local technical assistance and funding programs for landowners, municipalities and conservation organizations to plant riparian buffers to improve water quality and wildlife habitat.

Summer Case Studies in Science Workshop

Presented by the National Center for Case Studies in Science Workshop, the annual summer workshop will be held from **May 21-25, 2018** at University at Buffalo, State University of New York. We have found the case study method to be a powerful pedagogical technique for teaching science because it humanizes science and effectively illustrates scientific methodology and values. Moreover, since many of the best cases are based on contemporary science problems featured in the news, the use of cases in the classroom makes science relevant to students. Our five-day workshop focuses on training science faculty (all levels) to teach with case studies, to write their own cases, and to assess their students' learning with cases. During the final two days of the workshop, all participants are required to teach a case before a student audience using a case they have developed during the workshop. In addition, workshop participants are expected to produce a case study within six months of the workshop for our national, peer-reviewed case collection. Past workshops have included faculty from biology, chemistry, physics, astronomy, computer science, mathematics, geology, psychology, anthropology, nursing, science education, dentistry, engineering, medicine, and other science-related disciplines. Registration Fee: $975.00 with space limited to 35. Detailed information about the workshop, including online registration is available at http://sciencecases.lib.buffalo.edu/cs/training/workshops/

Teacher's Resources

LearnHowToBecome.org is a comprehensive website for students and other young professionals to find and explore resources related to a variety of careers. It includes sections on career types and paths, colleges, online education, and a resource center.

KoiKiwi is an educational website with fun environmentally friendly games. Play puzzle games, action games, shooting games (shooting GHG molecules for instance!), rubbish cleaning games, recycling games and others.

Using Environmental Issues Forums (EIF) to Enhance Deliberation: Case Studies-This publication documents, through a series of case studies how educators have developed locally relevant EIF materials, reflect on their experiences holding forums for a variety of audiences, and report assessment results.

EPA Activity Book for Elementary Age Students-How do you describe to students what the EPA does? This newest activity book for elementary age students to help introduce them to EPA. Kids can learn about the different ways the EPA works to protect our environment and our health. It's a simple, straightforward guide suitable for children of all ages.

Botany Primer: Understanding Botany for Nature's Notebook- designed to help observers make reliable plant observations for submission to the Nature's Notebook citizen and professional science program. It covers basic botany, phenology vocabulary and the USA-NPN's plant phenophases. It is also very appropriate for those interested in simply learning more about botanical terms and concepts, separate from participation in Nature's Notebook.

Solar Ovens & Design Critiques-In this unit, students design, build, and test solar ovens. They critique and refine their own oven, as well as their peers' designs. Students learn about how energy is transformed from solar radiation to heat and infrared radiation. They use an interactive simulation to extend the design process. They test their ovens using heat lamps, and use a budget to constrain their design. The budgeting activity helps students consider trade-offs in the design. They evaluate each material they use with regard to their goal. Students go through two iterations of designing, building, and testing. Between the two iterations, student groups critique each other's ovens. During the second iteration, students engage in self-critique of their ovens prior to re-design.

Conservation Connect is a web-based video series produced by the U.S. Fish and Wildlife Service, National Conservation Training Center (NCTC). Our goal is to connect a new generation of conservationists, ages 8-16, with the great outdoors, wildlife species, and conservation careers. Conservation Connect is available to youth groups, schools, homeschoolers, nature centers, and other educational programs throughout the country, free of charge.

Humpback whale activity books- Learn about whales and their migration.

How can teachers get students to learn science from each other-By communicating science, students can reinforce and help others learn.

Sky, Water, Earth: self-paced online science activities for youth- collection of free, online, self-paced activities that are designed for youth between the ages of 16-22 who are interested in the field of science.

High School Teacher's Guide for Climate Choices: How should we meet the challenges of a warming planet?

Middle School Teacher's Guide for Climate Choices : How should we meet the challenges of a warming planet?

Project GRACE- To prepare youth in economically disadvantaged communities for the prospect of careers in science, technology, engineering, or mathematics (STEM) through Geographic Information Systems (GIS).

FoodSpan is a free, downloadable curriculum that provides high school students with a deep understanding of critical food system issues, empowers them to make healthy and responsible food choices, and encourages them to become advocates for food system change.

Climate Change and the Water Cycle: Four Big Questions Answered-Free e-book. Dramatic changes to our planet like glaciers calving into the sea and record-setting temperatures make front page headlines around the world. But while other disruptions caused by the climate crisis – such as the transformation of our planet's water cycle – are a little less immediately striking, they can be even more profound and far-reaching. The consequences can also seem confusing and contradictory. How is it even possible that climate change increases our risk of both heavy rains and extreme droughts?

PollinatorLIVE: A Distance Learning Adventure- resource that aims to meet national science education standards and promoting conservation action through education. PollinatorLIVE has lesson plans, web seminars, and information to increase the understanding of pollinators and their importance.

Nature's Lights explores how light is essential in the natural world, and how and why animals that live in the dark produce light via bioluminescence so that they can find food and communicate with others.

Guess the Pollinator is a fun creative activity which teaches students that certain animals have preferences for a flower type, color, shape or smell. Using the Coloring Sheets, students will colour in a chosen flower, then use the facts written underneath to match their flower up with its pollinator.

Design a Flower teaches students about what pollination is and how it happens. Using what they learned, students will then receive a card with a specific pollinator on it and will be asked to design the perfect flower for them.

Seeing Red teaches students about frequencies of light and how different colored light is absorbed or transmitted by colored filters. They will also discover how some animals use bioluminescence and color perception to outsmart prey.

Materials Science and the Problem of Garbage-Equip students to make informed choices about materials use and disposal with a series of lessons in which they investigate the technological and engineering ingenuity involved in making materials—and also the environmental ramifications.

Water Agriculture Sustainability-InTeGrate provides this three to five-week module that provides a framework for students to learn about how people interact with water, peer into our water future, and consider ways we might foster more sustainability in water management. After assessing our major water challenges, the module has students learn about the concepts of water sustainability, virtual water trade, and water footprints. The focus then turns to the interplay between agriculture and water resources, as agriculture has the greatest impact on freshwater consumption and quality.

Remember the Rainforest-free resources for K-12 with images of rainforest ecosystems for awareness.

Cornell Webinars -Our free webinar series covers topics like bird-friendly gardens and bird communication.

Book Guide for On Bird Hill- Our free guide for grades K–2 turn this charming book into lessons in science, art, math, and literacy.

Edible Learning Lab-curriculum allow kids (K-12) to manage the food production process from "Lab to Table".

PLT Online Professional Development for GreenSchools-6 learning hours of professional development for formal and informal educators.

Green Schools Membership- Free for Teachers, educators, students, and administrators. Access to lots of resources.

Greening STEM -infographics, toolkits, activity guides, and video resources contain free educational material in popular environmental topic areas that incorporate elements of STEM. Many of the activities and resources include project-based learning, service-learning, and citizen science components.

Flipside Science is a youth-powered series that tackles complex environmental topics and empowers viewers to make a difference. This engaging and upbeat collection of videos, hosted by California Academy of Sciences youth, explores how local communities are addressing environmental problems.

Sustainability in Schools Simulation Game- The Education for Sustainability program has designed a simulation game to show how to identify sustainability related projects that make financial sense and weave them together into a coherent strategy that takes advantage of synergies. It also shows how to use those projects in curriculum.

Cool Science Jobs provides real stories about “cool” jobs using science to help inspire the next generation. They also include vocabulary and can be used as mini-lessons in the classroom.

Keep Wild Animals Wild lesson plans, videos and worksheets provide everything educators need to introduce students to what makes wild animals wild, why wildlife trade is a big threat not just to animals and ecosystems, but to people too, and how to help keep wild animals wild.

Black bear curriculum - provides of free multimedia resources on black bears for educators and students.

12 Pathways to Greening Your School is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a FREE MEMBER NOW!

Faces of EPA-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

Project Localize is a customizable curriculum to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

Dr. Seuss's The Lorax activity book is one of EPA's most highly sought after publications and is available for free to schools and classrooms around the country.

Raptors in the City is a real-time, inquiry-based science program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the Endangered Species list in 1999. The program guides children through nesting season as they watch the still rare falcons live via cameras mounted on a skyscraper.

Getting the Picture: Our Changing Climate-The adventures of scientist-photographer James Balog and the Chasing Ice team come to life in a newly released climate science education resource which provides a unique, interactive, multimedia experience for students and educators to learn about the latest climate science and witness real-world changes occurring around the world.

SMILE: New STEM Activities for Educators is an award-winning, free access collection of nearly 4,000 STEM education activities. Many activities are grouped by topics with environmental themes including energy, climate, life sciences, and ocean literacy. Activities are also aligned with standards and principles such as the Climate Literacy Principles, Ocean Literacy Principles, and U.S. DOE Energy Literacy framework.

Free ArcGIS for K-12 -Esri is providing free ArcGIS Online subscriptions for use for all K-12 schools. Resources to help schools get started with ArcGIS Online are available here.

The CLEAN (Climate Literacy and Energy Awareness Network) collection is a searchable database for teachers to find online activities, videos, and graphics on climate and energy education. Teachers may sign up for the newsletter with updates on educational policies, discussions with experts, events, and weekly telecons.

"Appetite for Adventure: Exploring Global Food Sustainability"- This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

Architecture 2030 is appropriate for Grades 9-12. Learn about this architect's efforts to protect the environment by changing the way buildings are planned, designed, and constructed.

Affordable Green Housing is designed for Grades 9-12 to consider the role habitat plays in fostering diverse, vibrant social structures in well-designed, integrated communities.

Bird Sleuth for K-12. Kits and resources for learning more about birds.

Contests and Awards

President's Environmental Youth Award (PEYA) - program recognizes outstanding environmental projects by K-12 youth. Each year the PEYA program honors a wide variety of projects developed by young individuals, school classes (kindergarten through high school), summer camps, public interest groups, and youth organizations to promote environmental awareness. Recent award-winning student projects included forming recycling programs for pencils and books, starting an environmental news YouTube channel, and creating a better method to protect migratory birds from airplanes. Projects need an adult sponsor. Talk to your students today about submitting their work. Deadline: **March 1**.

Presidential Innovation Award for Environmental Educators : recognizes outstanding K-12 teachers who employ innovative approaches to environmental education and use the environment as a context for learning for their students. PIAEE's winners will be awarded up to $2,500 to be used to further their professional development in environmental education. The teacher's local education agency will also receive up to $2,500 to fund environmental education activities and programs. Deadline: **March 1**.

Infy Maker Awards-The contest is open to K–12 schools and youth-serving organizations that aim to create more opportunities for students to engage in hands-on, interdisciplinary learning through making. Ten organizations will each receive a $10,000 grant maker professional development for two staff members and travel support to attend CrossRoads 2018, Infosys Foundation USA's annual education conference. Deadline: **March 6.**

The EMC Environmental Excellence Awards Program recognizes exceptional projects carried out by municipal and non-profit organizations in Erie County that stand to have a significant and lasting positive impact on the natural environment. The awards program is designed to showcase and promote projects that can be replicated in communities across Erie County and beyond. If you represent a municipal government or non-profit organization in Erie County that has recently completed a project that has environmental benefits, we invite you to nominate your project for consideration in this year's Environmental Excellence Awards Program. Projects could be in the areas of Planning & Design, Land Use and Zoning, Natural Resource Protection, Air and Water Quality, Ecosystem Health, Energy and Transportation, Agriculture and Forestry, Solid Waste Management, Contaminated Sites, Community Action & Education, Climate Change or any other related subject area. Deadline: **March 15**.

Green Difference Maker Award -Project Green Schools honors and recognizes Outstanding National Environmental Education & STEM Education efforts led in our Schools & Communities at our Annual Green Difference Awards. Nominate a school. Deadline: **March 22, 2018**.

2018 Art Contest: Better Shipping for a Better Future allows K-12 students to creatively express themselves by submitting an original poster to showcase how shipping makes the future better for people or the marine environment, or how shipping can become even more green. Deadline: **March 30**.

Apply to Become a 2018 U.S. Department of Education Green Ribbon School-The U.S. Department of Education invites state education authorities to nominate schools, districts, and postsecondary institutions for U.S. Department of Education Green Ribbon Schools (ED-GRS) 2018. Deadline: **March 31, 2018.**

The Biomimicry Global Design Challenge is an annual team competition that focuses on addressing critical sustainability issues with nature-inspired solutions. This year's focus in on climate change. Deadline: **May 1, 2018.**

The Gloria Barron Prize for Young Heroes honors outstanding young leaders ages 8 to 18 who have made a significant positive impact on people, their communities, and the environment. Each year, up to 20 winners each receive $10,000 to support their service work or higher education. http://www.barronprize.org/. Deadline: **April 15.**

Marine Science Call for Papers Competition is a competition for high school and college undergraduate students to showcase meaningful research projects related to marine science, marine industry, or marine technology. Deadline: **September 1**.

Grant and Scholarship Opportunities

2018 Master Gardener College Scholarship- All college-bound seniors who reside and attend school in Erie County are encouraged to apply. To be eligible for the scholarship, students must be accepted by a recognized, accredited college or university in New York State to study horticulture, botany or a related field. Related fields may include: agriculture, botany, entomology, environmental sciences and engineering, forestry, genetics, landscape design, sustainable agriculture, urban geography and urban planning. Deadline: **March 7th, 2018**.

FY2018 NOAA Coastal Resilience Grants- project proposals are being solicited for habitat restoration projects only. Mandatory pre-proposal deadline: **March 7, 2018**.

Annie's Sustainable Agriculture Scholarships-Open to undergraduate or graduate students studying organic and/or regenerative agriculture, Annie's is accepting applications for its scholarship program, which will grant $20,000 in funding to 20 students. Deadline: **March 15**.

Environmental Education Local Grants Program for Region 2-to support locally-focused environmental education projects that increase public awareness and knowledge about environmental and conservation issues and provide the skills that participants in its funded projects need to make informed decisions and take responsible actions toward the environment. Deadline: **March 15, 2018.**

Flame Challenge challenges scientists at every level – from graduate students to senior researchers – to communicate familiar yet complex concepts in ways that are understandable to an 11-year-old. The 2018 challenge asks, "What is Climate?" Deadline: **March 16**.

AIA Buffalo/WNY 2018 Scholarship-open to College/University students who meet academic requirements and are enrolled in a NAAB-accredited architecture program, or enrolled in a program that has received NAAB 'Candidacy' status. Applicants must be from the AIA Buffalo/Western New York Chapter which is comprised of Erie, Niagara, Chautauqua, Cattaraugus, Orleans, Genesee, and Wyoming Counties. Deadline: **March 21**.

Great Lakes Sediment and Nutrient Reduction Program grants will focus on reducing sediment and phosphorus runoff into the Great Lakes through either the installation of long-term structural practices or implementation of nutrient management/"4R" type programs. In New York State, the Genesee River is identified as a high priority watershed under this program. DEC Great Lakes staff encourage applicants to review TMDL and/or 9 element plans to identify projects within high priority locations in New York's Great Lakes watershed. Deadline: **March 26, 2018**.

Geothermal Clean Energy Challenge provides New York facilities with the opportunity to apply for an analysis to determine whether their buildings are best suited for the installation of geothermal pumps for heating and cooling of buildings, by transferring heat to or from the ground. **Eligible entities:** State and local governments, K–12 schools, colleges and universities, healthcare organizations. **Applications are being accepted on a first-come, first-served basis until 75 sites are successfully enrolled in the program or March 30, 2018, whichever occurs first**.

NOAA Environmental Literacy Grants- to support the education of K-12 students and the public so they can help make their community more resilient to extreme weather events and/or other environmental hazards, and become involved in achieving that resilience. Project topics must relate to mission of the National Oceanic and Atmospheric Administration (NOAA) in the areas of ocean, coastal, Great Lakes, weather, and climate sciences and stewardship and should focus on one or more of the goals of NOAA's Next Generation Strategic Plan: healthy oceans; weather-ready nation; climate adaptation and mitigation; and resilient coastal communities and economies. For more information, visit the funding opportunity description. Deadline: **April 6, 2018**

Horticulture scholarship available to student in Erie, Niagara County offered by Amherst Garden Club ($1,500) s to a student in Erie or Niagara County planning to study horticulture, urban design or related fields. Deadline: **May 1.**

Wells Fargo Clean Technology and Innovation Grant Program funds projects and programs related to research and development for new and emerging clean technologies by working with universities, colleges, research institutes and laboratories as well as entrepreneur incubator, accelerator and business plan competitions. If you would like to submit a topic for consideration provide a brief description (150 words or less).

Toyota Every Day Capacity Building Grants- Up to $5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long- term sustainability of the organization. Deadlines: **April 30 and October 30**.

Project Produce: Fruit and Veggie Grants for Schools-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The $2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

Industrial Hemp Processing Grant Fund-New York State has also allocated up to $5 million for grants for machinery and equipment required to process industrial hemp for commercialization in New York. Grants may provide a minimum of $50,000 and a maximum of $500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

NIEHS Conference Grants-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. The NIEHS Conference grant program is considered an integral part of the overall mission of the Institute; thus it is critical that all conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. Deadline: **Rolling.**

Youth Pollinator Gardens Grant- up to $200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. Youth will learn the importance of providing appropriate food sources, nesting areas, shelter, and practicing sustainable gardening practices for pollinators by planning, planting, and maintaining these pollinator gardens. To apply for a grant, complete an NGC Grant Application, provide detailed information about the project, and submit your request to the NGC Youth Committee Chairman for approval**.**

The Karma for Cara Foundation is encouraging kids 18 and under to apply for funds between $250 and $1,000 to complete service projects in their communities. **Deadline: Rolling.**

Cornell Douglas Foundation- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. **Deadline: Rolling.**

Saving Species- We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. We maximize our effectiveness by providing grants for the purchase and restoration of land that connects existing habitat fragments, or that prevents isolation of habitat that would otherwise continue due to habitat loss. **Deadline: Rolling.**

Cedar Tree Foundation- Letters of Inquiry Accepted at Any Time. Areas: Environmental Education, Environmental Health, Sustainable Agriculture.

VolunTEEN Nation International Service Project Grants- Students (ages 13-22) from the US going abroad to volunteer or study in a developing country are encouraged to apply for an international service-learning mini-grant. Grants are for up to $300 to create a service project in a developing country while you are visiting that country. **Deadline: Rolling.**

KEEN Effect is committed to inspiring responsible outdoor participation to help preserve the places we all play. Through the KEEN Effect, $10,000 grants are awarded to nonprofit organizations around the world who are dedicated to responsible outdoor participation. Projects must increase responsible outdoor participation as a way to work towards building a strong community. **Deadline: Ongoing.**

Everyday Young Hero Award-Everyday Young Heroes are young people, ages 5-25, who are improving their communities through service to others and making significant progress in achieving the UN's Sustainable Development Goals (SDGs). Each week, YSA selects one young person to receive this honor and receive $250 grants to continue and expand their project. **Deadline: Rolling**

The Fruit Tree Planting Foundation is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTPF programs strategically donate orchards where the harvest will best serve communities for generations. **Deadline: Rolling**.

Doris Duke Environment Program Grants-For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. **Deadline: Rolling**.

WalMart Community and Education Grants . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over $250. For requests under $250, get a local donation form from your nearest Walmart at the customer service desk.

Environmental Research and Education Foundation. Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

Toshiba America Foundation. Rolling deadline. Grades 6-12 Teachers. Under $5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. Deadline for grants over $5,000 is August 1.

KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants- awards grants of $750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. Rolling deadlines.

J-Serve Start-Up Grants-J-Serve is the International Day of Jewish Youth Service. Grants are available for $500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. Rolling deadline.

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.

World We Want Foundation is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to $5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. Application deadline: Rolling.

The Coca-Cola Foundation partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. Rolling deadlines.

Kresge Foundation's Healthy Environments grant program seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Applications are currently being accepted for the Healthy Homes Initiatives, Transportation and the Built Environment Initiative and the Healthy Food Initiative. Application deadline: Rolling.

Cisco Global Impact Cash Grants support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of services. Take the Eligibility Quiz to see if you can apply.

Technical Assistance Grant Information-The New York State Department of Environmental Conservation (DEC) is continuously accepting applications for Technical Assistance Grants (TAGs). TAGs are a citizen participation tool available to eligible community groups to increase public awareness and understanding of remedial activities taking place in their community. Eligible community groups may apply to receive grants for up to $50,000 per site.

Home Depot Community Impact Grants-Grants, up to $5,000, are available to non-profit organizations and tax-exempt public service agencies in the U.S. that are using the power of volunteers to improve the physical health of their community. Grants are given in the form of The Home Depot gift cards for the purchase of tools, materials, or services.

The Pollination Project seeks to unleash goodness and expand compassion all over the world. We make daily seed grants to inspiring social change-makers who are committed to a world that works for all. We support passionate, committed people with an early-stage social change vision. We fund individuals and community groups, and you do not need to be a registered or established organization to apply.

Shell Foundation Grant—Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling**.

Fluor Foundation Grants—Nonprofits and academic institutions. Projects promoting responsible stewardship of the environment and supports organizations that protect natural resources and habits through conservation, restoration and beautification, and environmental education. Deadline: **Rolling.**

Disney Conservation Fund: Rapid Response Grants—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling.**

Patagonia Environmental Grants- We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. Deadlines: **April 30 and August 31.**

Employment and Internship Opportunities

2018 – WNY PRISM Education and Outreach Assistant – Buffalo — A Sponsored Program of The Research Foundation for The State University of New York-The WNY PRISM Education and Outreach Assistant will work closely with WNY PRISM Coordinator and Partners to implement and expand our education, outreach and volunteer programs. Late May to early September position. Deadline: **March 2**.

2018 – WNY PRISM Invasive Species Management Assistant – Buffalo- (2) will work to implement invasive species prevention, early detection, management, and habitat restoration projects within the 8-county WNY PRISM region. The selected candidates will conduct invasive species surveys and assessments using iMapInvasives, assist Partners with priority invasive species removal and restoration projects, provide project reports, and assist with outreach events such as tabling at farmers' markets and festivals. Invasive species removal efforts will include use of both manual and chemical (herbicide) methods. This is primarily a field position and the selected candidates can expect to spend the majority their time working outdoors and in remote locations. Late May to early September position. Deadline: **March 2**.

Aquatic Invasive Species Strike Team – 3 positions (crew members) seasonal employment (late May to mid-November) at DeVeaux Woods State Park, Niagara Falls, NY. Requires overnight travel and camping. For information, contact Logan West at Logan.West@parks.ny.gov. Deadline: **March 2, 2018**.

Groundwork Buffalo Green Team-Paid training and internship for 17-24 yr olds as Fresh Food Fellows in community-based agriculture. Deadline: **March 8**.

Watercraft Inspection Steward/Environmental Educator. Approximately 20 positions available. Summer seasonal appointment (May-September). Full time (40 hours/week). Work schedule is Thursday- Sunday, 10 hours/day. Weekends and holidays are mandatory. Mandatory multi-day training will be held in late May (20th -23rd). Questions to Kristin.King@parks.ny.gov . Deadline: **March 9**.

Tifft Facilitator of Learning- Tifft Nature Preserve. An energetic, education professional responsible for facilitating learning experiences in a variety of settings including the outdoors for learners of all ages for the promotion of life-long learning. Deadline: **March 9**.

Volunteer Interns with Grassroots Gardens- 10-20hrs per week. To help build capacity with the non-profit. Need a passion for the local food system and community organizing. Deadline: **March 15**.

Invasive Species Coordinator for Jamestown Audubon Society- May through mid-August position. Deadline: **March 15**.

Invasive Species Management Assistants-Audubon Community Nature Center in Jamestown, New York has openings for Invasive Species Management Assistants for 4 weeks in June 2018 with possible additional hours in July and early August. Deadline: **March 15**.

Farm to School Coordinator- will work with the Buffalo Public School District, Eden Central School District, Alden Central School District and Springville Griffith Central School District to develop Farm to School programs that increase the volume and variety of local farm products procured for the school breakfast and lunch programs, as well as educate students about local farms and New York State agriculture. Deadline: **March 15, 2018**.

Mobile Market Coordinator- Massachusetts Avenue Project, seasonal, full-time, paid position. Deadline: **March 16, 2018**.

SNAP-Ed Assessment and Evaluation Educator-Cornell Cooperative Extension of Erie County has an opening. The Assessment and Evaluation Educator is responsible for creating an evaluation framework for existing policy, systematic, and environmental (PSE) initiatives in the ESWNY region. Working with the ESWNY Leadership Team align policy, systematic, and environmental (PSE) initiatives with the SNAP-Ed evaluation framework, identify and/or create tools for data collection and reporting, compile reports for policy, systematic, and environmental (PSE) initiatives as required by funders, and make recommendations for improvement. Deadline: **March 20**.

Greenhouse Production Head and Apprentices-Root Down Farm in Clarence NY is a 300+ member mixed vegetable CSA serving Greater Buffalo. We grow around 200 varieties of vegetables, melons, herbs and cut flowers in rotation on 10 acres. Our members come to the farm every week to pick up their share and use the upick fields. We offer spring, summer, and winter shares. Spring Shares start the first week of May and the Winter Share ends in mid-February. We also sell to wholesale restaurant and grocery accounts. Previous farm experience is preferred, but is not mandatory.

Boat Stewards-The Chautauqua Lake Association is currently accepting applications for its 2018 Watercraft Inspection Program. The CLA is recruiting approximately 10 Boat Steward Positions within multiple regions across Chautauqua County (locations include Chautauqua Lake, Bear Lake, Cassadaga Lake and Lake Erie). Boat Stewards work at public boat launches, where they inspect boats for aquatic invasive species as part of an early detection/rapid response spread prevention effort. Stewards also educate boaters and visitors about aquatic invasive species (AIS) and how the general public can help slow the spread of AIS. Stewards may also be asked to participate in invasive species removal projects and educational events. Weekend work is required. Position will be approximately 32 hours per week for 12-16 weeks. Deadline: **April 1**.

Invasive Species Management Stewards - Mid-late May to late August (14 weeks) at Niagara Region State Parks. Jillian Harris FORCES Program Specialist - Niagara Region New York State Office of Parks, Recreation, and Historic Preservation Email: Jillian.Harris@parks.ny.gov Deadline: **April 6, 2018**.

Team Manager- Excelsior Conservation Corps (ECC) is looking for a to supervise seven staff and up to 50 members working on environmental stewardship projects in other parts of the state. The ECC, an AmeriCorps program, trains New York students between the ages of 18 and 25, to work on environmental stewardship projects that protect natural resources on public lands. Optional onsite housing.

Buffalo LISC Executive Director- will provide the strategic direction and guidance for all aspects of LISC's future program vision and strategies in Buffalo.

Voice Buffalo Community Organizer- VOICE is faith-based community organizing project dedicated to building the civic capacity of ordinary people and equipping them to address social, racial, and economic justice issues through leadership development, negotiation, direct action and coalition building. VOICE is a multi-racial and multi-faith federation of over 50 member congregations and community organizations from Buffalo and Erie County. Our current organizing work includes creating alternatives to arrest and decreasing mass incarceration, creating greater workforce diversity and ownership of businesses from People of Color, addressing economic disparities, and working to improve the quality of life for Buffalo residents. Deadline: **Open until filled.**

Aquarium of Niagara Internships-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

Clean Air Coalition Internships-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. All internships include some operations and administrative work. The Clean Air Coalition's internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

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.

Sustainable Initiatives Manager at RIT-Fifty percent of this job will be developing and implementing behavior change programming that will engage campus stakeholders in RIT's sustainability and conservation goals. The other fifty percent of this position will be providing administrative support to the senior sustainability advisor including management of budgets, communication platforms, coordination of event logistics and meetings, student supervision, development of visual programming materials, and data collection for STARS and other sustainability reports.

Citizen Science

Hemlock Woolly Adelgid Project-Take closeup pictures of hemlock trees and fraser firs and send to scientists with GPS location data to monitor tree health and spread of the insect. Throughout February, representatives from the Roger Tory Peterson Institute (RTPI), Jamestown Community College (JCC) and Chautauqua Watershed Conservancy (CWC) will collaboratively survey a number of sites within our area for the presence of HWA, and they are looking for volunteer 'Citizen Scientists' to contribute to these important efforts. Visit our website for the complete survey

Ticks and Project Acari- a new citizen science project tracking tick disease. We are studying the ticks themselves, as well as how other factors, like climate change and the tick's microbiome, may affect the risk of tick diseases. Ticks carry over 20 different known diseases that affect hundreds of thousands of humans and our pets, and there may be more we haven't discovered yet. As global temperatures rise, these diseases are spreading. You can help! Send us the ticks you find in your neighborhood. By testing the DNA of ticks from across the United States, we can build the most complete map yet of how these diseases are affecting ourselves and our pets. To find out more, and to get a free, easy-to-use kit, please visit www.projectacari.org.

Bumble Bee Watch is a collaborative effort to track and conserve North America's bumble bees. Individuals upload photos of bumble bees to start a virtual bumble bee collection; Identify the bumble bees in your photos and have your identifications verified by experts; Help researchers determine the status and conservation needs of bumble bees; Help locate rare or endangered populations of bumble bees; Learn about bumble bees, their ecology, and ongoing conservation efforts; and Connect with other citizen scientists.

Caterpillars Count! is a citizen science project that measures the seasonal variation and abundance of arthropods like caterpillars, beetles, and spiders found on the foliage of trees and shrubs in an effort to answer important questions about patterns of food availability for birds. Researchers are using the data collected in *Caterpillars Count!* to help determine if plants, insects and birds are all responding to ongoing changes in climate to the same degree. If either insects or birds are not keeping up with phenological shifts of the other organisms that they depend on, then further climate change may have negative consequences for their populations.

Upcoming Community Activities:

Thursday, March 1

Life Under a Lens-2:30-4:30pm at Knox Farm State Park. Venture into a winter wonderland and investigate winter hardy springtails, lichens on trees and overwintering mushrooms and plant galls. Bring a hand lens if you have one! ***For information & registration call (716)549-1050.***

Meet Model 3 in Buffalo-Telsa will be hosting a policy forum and viewing of its electric vehicles between 4pm and 8pm, you can view electric vehicles, and at 6pm you can hear about proposed legislation and from your local elected officials! Buffalo Transportation Pierce Arrow Museum, 263 Michigan Ave, Buffalo, NY. https://www.tesla.com/event/meet-model-3-upstate-new-york-1 Please RSVP at link.

Crepuscular Hike: Full Moon Over Frozen Forest-6 to 8pm at Knox Farm State Park. Enjoy a winter night under moonlit skies as we embark on a relaxing snowshoe hike through Knox Farm. ***For information & registration call (716)549-1050.***

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

"So you don't want Nuclear Waste in Your Water?"- Talk by Alan Lockwood, MD., Emeritus Professor of Neurology and Nuclear Medicine, UB and Physician for Social Responsibility. 7pm. Burchfield Penney Art Center.

Raising poultry for egg production: class no. 1, housing and equipment- 6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. This is a three-part series with multiple workshop offerings. Participants can attend one or all. The cost is $10 for each class or $25 to attend all three. Backyard chickens are a popular way to get started with homesteading and farming. In this workshop series, participants will take a closer look at some of the nuts and bolts of raising poultry for egg production (backyard and beyond). Each class participant will receive a resource guide with informational handouts and reference materials, opportunity for hands-on demonstrations, and the option for follow up consultations. Even if you've come to a poultry workshop in the past, this year's classes have some new tips and tricks along with hands-on demonstrations throughout this series. For someone just getting started, or just thinking about raising poultry, the classes will cover almost everything you need to know. This first class is also offered from 10 a.m. to 12 p.m. Saturday, March 3. It will cover site analysis, equipment checklist, housing options, predator control, supplies and cleaning. There will be demonstrations on making a dust bath and cleaning equipment. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. Registration is available online, by emailing kaw249@cornell.edu or by calling 716-664-9502, ext. 202.

Orchard Park Garden Club-11:30 at the Orchard Park Presbyterian Church, 4369 S. Buffalo St., Orchard Park. Sign-ups begin at 11:30 a.m. with refreshments at noon and the program at 12:30 p.m. The program will be "Creating Still Life Tablescapes." Cheryl Gicewicz, owner of Flowers by Nature in East Aurora, will deliver a Dutch Master Painters-inspired floral presentation, the floral design that incorporates elegance, botanical and organic styling. She will be using fresh flowers and fruits to show you how to create your own still life tablescapes.

Friday, March 2

National Invasive Species Awareness Week – 2 to 3:30pm. Join Naturalist Mark Carra at Beaver Meadow for an informational talk to answer all your "Invasive Species" questions. What makes a plant or animal an invasive and who decides its status? Am "I" part of the solution or part of the problem? Pre-registration is required. Please call 585-457-3228 to register. $5.

Saturday, March 3

Explore Water at its Source in our Headwater Forests at Concord Community Forest, East Concord, NY- 9:45am. Join Buffalo Niagara Waterkeeper on a free tour and enjoy the winter weather! *Pre-registration required. Free snowshoe rentals available at time of registration.* Click Here For More Tours And Registration.

Western New York Hosta Society- breakfast at 10 a.m. at the Forest View Restaurant, 4781 Transit Rd., Depew. This is a social get together. You buy your own breakfast. To get the conversation flowing, take something that can be passed around the table. Please RSVP to Mike at 941-6167 or H8staman@aol.com.

Raising poultry for egg production: class no. 1, housing and equipment- 10am to 12p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. This is a three-part series with multiple workshop offerings. Participants can attend one or all. The cost is $10 for each class or $25 to attend all three. Backyard chickens are a popular way to get started with homesteading and farming. In this workshop series, participants will take a closer look at some of the nuts and bolts of raising poultry for egg production (backyard and beyond). Each class participant will receive a resource guide with informational handouts and reference materials, opportunity for hands-on demonstrations, and the option for follow up consultations. Even if you've come to a poultry workshop in the past, this year's classes have some new tips and tricks along with hands-on demonstrations throughout this series. For someone just getting started, or just thinking about raising poultry, the classes will cover almost everything you need to know. It will cover site analysis, equipment checklist, housing options, predator control, supplies and cleaning. There will be demonstrations on making a dust bath and cleaning equipment. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. Registration is available online, by emailing kaw249@cornell.edu or by calling 716-664-9502, ext. 202.

National Invasive Species Awareness Week-1 to 2pm event at Iroquois National Wildlife Refuge Center. Free and open to the public. Register @585-948-5445.

3D Printing Workshop-1 to 3pm. Join us for a workshop. Participants will learn to design a simple 3D model, convert the model to G code and set up and run a basic 3D printer. The Sensational Saturday Series at NYPA's Niagara Power Vista is presented by WNY STEM Hub and Mission Ignite: Powered by Computers for Children. 716-286-6661. 5777 Lewiston Rd., Lewiston. Free of charge, Registration preferred, please reserve a spot via email: npvista@nypa.gov, Suitable for kids in grades 5–8.

Saturday Birding: Buckhorn Island State Park – 9am to noon. Start your weekend with the Birds! Join Naturalist Tom Kerr for a Birdwatching Hike through Buckhorn Island State Park. The Niagara River hosts one of the biggest congregations of migrating waterfowl in North America. Meet at Woods Creek lot on East-West Park Drive. Pre-registration is required. Please call 585-457-3228 to register. Binoculars are available. Donations gratefully accepted.

Sugar Shanty Open to Public – 10am to noon. Stop in and see our sugar shanty in action at Beaver Meadow as we turn maple sap into sweet syrup. Free.

World Wildlife Day: Big Cats: Predators Under Threat – 2 to 3pm. Join Naturalist Mark Carra at Beaver Meadow for a celebration of World Wildlife Day! Established on the 20th of December 2013 by the United Nations General Assembly to raise awareness of the world's wild animals and plants. We'll take a photo journey around the planet to understand the importance of this planet's biodiversity. Preregistration is required. Please call 585-457-3228 to register. $5.

Woods Walk: Food for Wildlife-11am. Join a guided nature walk to search for things that wild animals eat in the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Family Nature Quest: Fantastic Foxes-2:30pm. Celebrate the Year of the Dog as we discover and search for signs of foxes. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

26th Annual Rural Landowner Workshop-Cornell Cooperative Extension will be sponsoring the 26th Annual Rural Landowner Workshop from 8:30 a.m. to 3 p.m. at Pioneer Central School, 12145 County Line Rd., Yorkshire. Presenters will be brought in from both the private and public sectors to provide participants with up-to-date information on forestry issues. The cost is $30. Pre-registration is required. Click here for program details and registration form.

Wine and Whiskers Gala-Purr-fect Fit Animal Rescue has a fundraiser from 6-10pm at Salvatore's Italian Gardens, 6461 Transit. Tickets are $50 which includes dinner and bar. For tickets, call 633-6600. https://www.apurrfectfit.org/

Western New York Frogs and the Hellbender Salamander- 10:30am to 11:30am. Join amphibian enthusiasts Holly Fischer and Tami Attwell as they present on the awesomeness of the 10 species of frogs that inhabit Western New York. They will share information on the calls and common characteristics which help to identify the toads and frogs in their natural environments. Holly and Tami are both contributors to the Frog Watch USA Citizen Scientists Program which trains volunteers to monitor frog populations in given areas. This program is important as the frog population has experienced a decline in recent years. Holly will also share interesting facts about the native hellbender salamander. This event will be held at The Portville Free Library, 1 North Main Street, Portville, New York 14770. Fee: Free for members, $5 for non-members and free for children 13 and under. Minors must be accompanied by an adult. **Register by 4 PM, Thursday, March 1st, 2018**.Register here or contact the office at 716-933-0187.

Looking Upwards: The Stars, Heaven and Above-1 to 3:30pm at the Buffalo Museum of Science. Free admission, but seat is limited so registration is required. Must be 12 or older to attend. Register.

Headwaters Snowshoe Tour-9:45am. Location: Concord Community Forest – East Concord, NY. This tour will start at Sprague Brook County Park and then we will car pool to the Concord Community Forest where you will explore water at it's source in one of our Headwater Forests. Physical intensity: Moderate, be prepared to walk up and down a few small hills in snowshoes. Events are FREE! Registration Required. REGISTER

Winter Adventure Hike- 10:00 AM, the Chautauqua Watershed Conservancy will lead a hike at the 21-acre Chautauqua Creek Oxbow Preserve, located on Lyons Road west of Mayville. The hike will begin at the CWC information kiosk near Lyons Road, where the group will use a newly constructed walkway to access the preserve's pristine forested lands at the base of a 100-foot deep gorge. Most of the preserve consists of rich bottomlands, ravines and gorges, including 2,200 feet of Chautauqua Creek. The preserve also contains three clifftop terraces and the remains of the "Dugway," a bit of engineering that allowed horse and buggies to descend in to the gorge in the latter 1800s. The hike will take about two hours. There may be snow cover on the day of this hike, so consider bringing snowshoes depending on conditions. The Winter Adventure Hike is free for members, with a suggested donation of $5 for non-members. Reservations are encouraged, so please call or email the Chautauqua Watershed Conservancy in advance to let us know you're coming. For a map showing the Chautauqua Creek Oxbow Preserve location, go to the CWC website and click on the "Preserves" tab. Note that a closed bridge divides Lyons Road. To gain entry to the preserve, access Lyons road via Route 430. For more information on this event email claire@chautauquawatershed.org or call 664-2166.

Sunday, March 4

GObike Buffalo Community Workshop - 6-8 pm, Class: Basic wheel maintenance. *Cost for classes is $10 and most sessions are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend.*

2018 First Sunday of the Month Walks-10:45-11:30am, Reflective walk led by Dennis Galucki. All walks begin and end at the Hoyt Lake Marcy Casino and are free.

Monday, March 5

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Essential Oils and Your Garden- 6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. Essential oils are the life blood of plants. They are amazing volatile compounds that can enhance our gardens. Workshop participants will sample oils and hear ideas on how to use oils in your garden for a great growing season. Mollie Vacco, local entrepreneur, mom to three boys, horse owner and hobby farm owner, will be leading this workshop, drawing from her experience with using essential oils for more than 10 years. Bring your questions and a notebook tor this interactive workshop. For more information, check out www.mollievacco.com. The cost is $10 per family and covers the cost of one "take home goodie" and workshop materials. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email kaw249@cornell.edu, or call 716-664-9502, ext. 202.

Biology and Great Lakes Center Seminar-4:00 p.m. to 5:15 p.m. | Bulger Communication Center West. Please join the Biology Department, the Great Lakes Center, and the Great Lakes Ecosystem Science Program for the seminar "Ripple Effects of Invasive Species," presented by Dr. Suann Yang, assistant professor, Department of Biology, SUNY Geneseo. All are welcome.

Tuesday, March 6

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/

Genesee County Master Gardeners Talk- 12:15 to 12:45 pm. on the first Tuesday of the month at the Cooperative Extension office, 420 E. Main St., Batavia. Take your lunch. The series is free. Registration is not required. Future topics and other Master Gardener events will be posted on the Cornell Cooperative Extension of Genesee County website and on their Facebook page.

Inclusionary Zoning Campaign Planning-6 to 8 pm. 271 Grant St., Buffalo. Join PUSH Buffalo.

Full Moon Hike at Royalton Ravine-Come out and join Paths, Peaks and Paddles for a "Full Moon" snowshoe hike out at Royalton Ravine. If there is no snow we will hike in the Ravine. Meet in the parking lot out in Royalton at 6:00 PM SHARP! We want to head into the ravine by 6:15 PM at the latest. If you have your own snowshoes & poles the cost is $10.00pp. If we are only hiking there is no charge. Reservations are a must if you plan to snowshoe. If you have never snowshoed this is the time to come out and try it. This is a great evening adventure into the Ravine hiking the trails, up and down the hills and through the pines. Instructors and NYS Licensed Guides will accompany you on this hike. For further information or directions call 716-213-0350 or Christine@pathspeakspaddles.com

Wednesday, March 7

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Jayna Zweiman Talk-6 pm - 7:30 pm at Hayes Hall 403, UB South. Jayna Zweiman, a multidisciplinary artist and designer perhaps best known as the co-creator of The Pussyhat Project, explores the overlap between individual stories and collective conversations, between craft and politics, and between physical and virtual communities in both Pussyhat Project and Welcome Blanket. Join Zweiman to discuss how these design interventions create social change by reimagining our spaces and systems.

6th Annual Niagara County Poverty Conference-"Compassionate Communities: Where Do I Fit In?", 8:15 a.m. - 4 p.m. at Niagara University Russell J. Salvatore Dining Commons, Conference Agenda, agenda

Raising poultry for egg production: class no. 2, chick care, adult nutrition and health- 6pm to 8p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. This is a three-part series with multiple workshop offerings. Participants can attend one or all. The cost is $10 for each class or $25 to attend all three. Backyard chickens are a popular way to get started with homesteading and farming. In this workshop series, participants will take a closer look at some of the nuts and bolts of raising poultry for egg production (backyard and beyond). Each class participant will receive a resource guide with informational handouts and reference materials, opportunity for hands-on demonstrations, and the option for follow up consultations. Even if you've come to a poultry workshop in the past, this year's classes have some new tips and tricks along with hands-on demonstrations throughout this series. For someone just getting started, or just thinking about raising poultry, the classes will cover almost everything you need to know. It will cover site analysis, equipment checklist, housing options, predator control, supplies and cleaning. There will be demonstrations on making a dust bath and cleaning equipment. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. Registration is available online, by emailing kaw249@cornell.edu or by calling 716-664-9502, ext. 202.

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at Erie County Public Works, Rath Building, 181 Ellicott St. . Buffalo. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with GBNRTC Member Agencies.

"Visionary Earth Stewards and Environmental Triumphs: Now, What Can We Do in Our Homes, Communities, and Planet?"-Talk by James Colby at St. Luke's Episcopal Church, Jamestown at 7pm. info

Behind the Scenes Collections Tour-Buffalo Science Museum, adults only. $25. Register at www.sciencebuff.org at least 1 week in advance. 2-4pm. Cabinet of Curiosities.

Volunteer Training: How to Lead an Exploration Hike – 1 to 3pm. Join us at Beaver Meadow and learn tips and tricks to lead a tour that is both engaging and also helps to set up a culture in which students feel comfortable discussing science ideas in nature. Pre-registration is required. Please call 585- 457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

Postcards for the Planet-7:00-9:00pm at Spot Coffee,765 Elmwood Ave., Buffalo. Let's make our voices heard regarding the current rollback of vital environmental protections. Materials and ideas will be provided. Check Events at niagarasierraclub.com for any changes and further dates. Suggested comments and information will be available. Bring along any ideas for future sessions. Please feel free to join us for all or any portion of the time.

Soil Health and Nutrition- 9am to 3pm, Geneva, NY (Jordan Hall, 630 West North St.). $25 on day of event. Workshop with DEC credits.

Buffalo Talks: Buffalo Promise Neighborhood –noon to 1 pm at Buffalo Central Library. Buffalo Promise Neighborhood is a designated community school zone, now operating three schools: Westminster Community Charter School, Highgate Heights Elementary and Buffalo Promise Neighborhood Children's Academy. A second Children's Academy is currently under development and is slated to open in 2018. We recognize when parents and children have opportunity to succeed, families and the community around them are able to thrive. Buffalo Promise Neighborhood is a unique public / private partnership that inspires the collaboration and commitment of local leaders in education, business, community services, philanthropy, healthcare and government to help build strong schools that promote academic achievement and healthy development. Guest Speaker: David Chamberlain, Westminster Foundation. Reserve your spot here!

Thursday, March 8

Adventures in Buffalo History -This speaker series features different Explore Buffalo docents presenting lectures on a wide variety of topics. Each session will have two different lectures. All sessions are from 7-9 PM on Thursday evenings at First Presbyterian Church of Buffalo on Symphony Circle. Admission per session: $10, Explorer Pass Holders: Free. Register at https://explorebuffalo.org/speaker-series-2/.

Beakers and Beer-5 to 7pm at Buffalo Niagara Medical Campus. Open to all, RSVP at www.bnmc.org/beakers UBMD @ Conventus, 4th floor, 1001 Main St., Buffalo.

Science After Hours: 8 bit Dance Party-Link up with creative minds of chiptune performers and bounce to musical manipulations of handheld game consoles. $16, adults 21+, cash bar. www.buffsci.org

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Friend Raiser for WNY Land Conservancy-4-10pm., for a night of merriment, mingling, and a 50/50 raffle at Resurgence Brewery. Enjoy some of our region's best craft beer and delicious snacks in a fabulous taproom or around the fire pit in the beer garden. ***Resurgence will be donating 20% of proceeds from every pint purchased between 4 and 10 PM to the Land Conservancy!***

WNY Herpetological Society Meeting-Naturalist Mark Carra will speak about the Spring emergence of the Salamanders and native salamanders in general. He will also bring a few educational ambassadors. WNYHS meetings take place at 6:45 PM on the second Thursday of the month, at the Julia Boyer Reinstein Library, 1030 Losson Rd. in Cheektowaga. http://www.wnyherpsociety.org/

Friday, March 9

Buffalo Astronomical Association Meeting-7:30-10pm at Buffalo State College, Classroom Bldg C122, Ketchum Hall, 1300 Elmwood Ave. Free.

Forest Frolic-1 to 3pm at Evangola State Park. An off-trail adventure hike exploring the forest of Evangola. Bring your venturous spirit and please wear waterproof footwear. For information & registration call (716)549-1050.

South Town Gardeners- 9:30 a.m. at the West Seneca Senior Center, 4620 Seneca St., West Seneca. Mark Carra of the Beaver Meadows Audubon Center will give a talk on attracting birds to your back yard. As always, guest and new members are welcome. For more information, call 668-0209.

Taste of Paradise-The Buffalo and Erie County Botanical Gardens will host from 6 to 9 p.m. at the Botanical Gardens, 2655 South Park Ave., Buffalo. Tickets are $35 for Botanical Gardens members, $40 for the general public, and $45 after March 2. They can be purchased online or by calling 827-1584 ext. 219. VIP Tickets are $60 and include private area, bar, food and more. Only 30 VIP tickets are available. Attendees will enjoy drinks from the Captain, the fresh smells of spring, taste herbs, fruits and savory delights and listen to the sounds of tropical fun.

Saturday, March 10

The Sweet Life!-10am to noon at DeVeaux Woods State Park. It's that time of year again! Maple sugaring time! A park naturalist will give an indoor presentation about the sugaring process. An outdoor hands-on presentation will follow. Learn to tap a tree and see sap turn into syrup. ***For information & registration call (716)282-5154.***

Wildlife Baby Shower- Please join us for an open house as we celebrate all things wild and prepare for the busy baby season. 10am to 2pm at SPCA SERVING ERIE COUNTY, 300 Harlem Rd., West Seneca. Tour our Wildlife Rehabilitation Center where we care for thousands of animals. Visit with live animals and wildlife ambassadors from the SPCA, the Buffalo Audubon Society, SkyHunters USA, and the Citizen Coalition for Wildlife and Environment. http://yourspca.org/wildlife-baby-shower/ for a wishlist for gifts**

Horticultural Class: Small Space and Urban Gardening-11am to 1pm at Buffalo & Erie County Botanical Gardens. $20/class or $100 for series (members). Info and registration at https://www.buffalogardens.com/collections/adults/products/horticulture-i-certificate-series

Is it Spring yet?- 11am at DeVeaux Woods State Park. A program geared for pre-school & early elementary students! Once a month, each will involve an exploratory hike along with a book reading and a craft. We hope you and your little ones can join us for one or more of these fun classes. ***Call (716) 282-5154 to register for any of these.*** Spring is right around the corner, but can you tell? Discover what signs to be looking for as the world starts waking back up. Explore the woods for signs of spring after our story and craft.

Animation Workshop-1 to 3pm. Join us for a workshop. Create your own story with characters that interact with each other and you. The characters will "talk" and perform actions you design using the features of the scratch programming language. Learn how to design the animation using a storyboard and then code it. The Sensational Saturday Series at NYPA's Niagara Power Vista is presented by WNY STEM Hub and Mission Ignite: Powered by Computers for Children. 716-286-6661. 5777 Lewiston Rd., Lewiston. Free of charge, Registration preferred, please reserve a spot via email: npvista@nypa.gov, Suitable for kids in grades 5–8.

Who's Awake-10am. On this guided walk we will search for early risers and migrants in the preserve. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Sugar Shanty-10am to 2pm. Open to Public. Stop in and see our sugar shanty in action at Beaver Meadow Audubon Center as we turn maple sap into sweet syrup. Free.

National Day of Unplugging at Tifft Nature Preserve – 2 to 4pm. Join Buffalo Audubon Society, Tifft Nature Preserve and Reinstein Woods Nature Preserve for an afternoon of unplugging! This is an opportunity to unwind, unplug, relax, reflect, get outdoors, and connect with loved ones. Be a part of this event as people from around the world disconnect from their devices. Participants can explore the trails at Tifft, make a nature craft indoors, and visit the unplugged photo booth. Pre-registration is required. Please call 716-825-5397 to register. How will you unplug? FREE.

Veggie Gardening in Containers w/ David Clark-2pm. Learn all you need to know to grow and produce large yields of produce from various containers. Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ 716-362-8982 or email us @ info@urbanroots.org to secure your spot as space is limited. All classes are FREE except where noted.

Raising poultry for egg production: class no. 2, chick care, adult nutrition and health- 10am to noon at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. This is a three-part series with multiple workshop offerings. Participants can attend one or all. The cost is $10 for each class or $25 to attend all three. Backyard chickens are a popular way to get started with homesteading and farming. In this workshop series, participants will take a closer look at some of the nuts and bolts of raising poultry for egg production (backyard and beyond). Each class participant will receive a resource guide with informational handouts and reference materials, opportunity for hands-on demonstrations, and the option for follow up consultations. Even if you've come to a poultry workshop in the past, this year's classes have some new tips and tricks along with hands-on demonstrations throughout this series. For someone just getting started, or just thinking about raising poultry, the classes will cover almost everything you need to know. It will cover site analysis, equipment checklist, housing options, predator control, supplies and cleaning. There will be demonstrations on making a dust bath and cleaning equipment. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. Registration is available online, by emailing kaw249@cornell.edu or by calling 716-664-9502, ext. 202.

Big Cats Day-Come learn more about our amazing big cats here at the Buffalo Zoo! Listen to keeper talks about our lion pride and Tamari the tiger! Enjoy big cat-themed activities and crafts too! The event runs from 11:00 a.m. until 2:00 p.m. and is free with Zoo admission.

North Tonawanda Owl Prowl – 6:30 to 8:30pm. Join Naturalist Tom Kerr for a nocturnal hike through the North Tonawanda Audubon Preserve. We'll be looking and listening for the Eastern Screech-owls that make their home in the wetland preserve. Pre-registration is required and directions will be provided. Please call 585-457-3228 to register. Waterproof footwear is recommended. $7. Ages 8 and up.

Trees by Flashlight-6:30 to 8pm for ages 8+, $6 per person at Tifft Nature Preserve. Bring flashlight (no headlamps). Registration required at www.tifft.org

Environmental Film Festival-Sponsored by UB Humanities Institute, Center for the Arts on the University at Buffalo North Campus. Festival showcases work by five documentary filmmakers who have tried in very different ways to spark environmental activism. Free and open to the public. Complimentary snacks and beverages will be provided between screenings. 3pm-"Merchants of Doubt" in Center for the Arts Screening Room (112 CFA). 5:30 pm –" The Age of Consequences". Schedule

Headwaters Snowshoe Tour-10am at Hunters Creek County Park – East Aurora, NY. Explore the Buffalo River watershed at its source in one of our Headwater Forests! Physical intensity: Moderate, be prepared to walk up and down a few small hills in snowshoes. Events are FREE! Registration Required. REGISTER

Sunday, March 11

Environmental Film Festival-Sponsored by UB Humanities Institute, Center for the Arts on the University at Buffalo North Campus. Festival showcases work by five documentary filmmakers who have tried in very different ways to spark environmental activism. Free and open to the public. Complimentary snacks and beverages will be provided between screenings. 3pm-"Merchants of Doubt" in Center for the Arts Screening Room (112 CFA). 5:30 pm –" The Age of Consequences". Schedule

Monday, March 12

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

'Emerald Shiners as a Bioindicator of Urban Water Pollution in the Upper Niagara River'-Great Lakes Seminar at Buffalo State College. 4:00 p.m. to 5:15 p.m. | Bulger Communication Center W. Talk by Jo Johnson, GLES graduate and current ecological planner at Buffalo Niagara Waterkeeper. This seminar is presented by the Great Lakes Center, Biology Department, and the Great Lakes ecosystem science program and is open to all.

Tifft Nature Preserve Volunteer Orientation-10am to noon, adults 18+, training for tours for pre-K thru 12th grade. Advance registration required at www.tifft.org.

Sierra Club Niagara Group Energy Committee Meeting- 6:30 PM, Conference Room 2 at the Tri-Main Center on Main St. near Jewett. Please come prepared for a season of activism! We have many things to work on. These meetings will be held regularly on the second Monday of each month. We will follow up on ongoing topics but will concentrate on the NY Renews initiative of our coalition, and the Clean Renewable Energy for All plan of the Sierra Club, with a focus on what we can do locally to move toward 100% clean energy in all sectors. All are welcome.

Environmental Film Festival-Sponsored by The UB Humanities Institute. This festival showcases work by five documentary filmmakers who have tried in very different ways to spark environmental activism. What works and what doesn't? Free and open to the public. 7pm. Hallwalls Contemporary Arts Center, 341 Delaware Avenue, | "In the Air: A Work in Progress" Screening with Director John Fiege, https://www.intheairfilm.com/, https://calendar.buffalo.edu/event/humanities-to-the-rescue-environmental-film-festival/.

Dare to Repair Cafes!- Noon-3PM: *University at Buffalo North Campus Student Union*, Putnam Way, Amherst, NY 14228. Repairs are not guaranteed and all participants will be required to sign a waiver. www.thetoollibrary.org/daretorepair/ for info.

Tuesday, March 13

Niagara Frontier Botanical Society Meeting- 7:30 p.m. on the second Tuesday of each month, September through May, at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except April meeting). All General Meetings are open to the public and free of charge. "Preparing for Invasion: Identifying and Addressing Newly Emerging Invasive Species Threats in WNY." Speaker Andrea Locke will bring us up to date on new invasive species heading our way. Andrea is Coordinator of WNY PRISM Network (Western New York Partnership for Regional Invasive Species Management).

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/

Ken-Sheriton Garden Club- 7 p.m. in St. Mark's Lutheran Church, 576 Delaware Rd., Kenmore. Ken-Sheriton Garden Club's own Diane Wolfe, who is the Artistic Design Chairperson, will present a program demonstrating the construction of a Minimal Floral arrangement making use of space as a design element. Participants will have the opportunity to practice what they learn and will make their own design to take home. Everyone is welcome to attend.

Adult Science Night: Science of Spring Cleaning-6:30 to 8pm, $12, Tifft Nature Preserve. Register at www.tifft.org

ADK Meeting and Presentation- 6:30pm. Amherst Community Church 77 Washington Highway, Snyder, NY 14226 NOTE: Please park in rear and enter through back door (walk up to 2nd floor6:30 pm Education Workshop: Learning the hard way, or living to tell the tale! Join us to share adventures and misadventures you've had, and most importantly what you learned and how it has helped you prepare better. Member Jerry Sultz will get us started. He is a former chapter chair, and an active member of the Niagara Frontier Search and Rescue Team. We will meet in the room adjacent to the main meeting room. 7:30 pm Speaker: Terry Belke-Photojournalist Producer of "2 The Outdoors" at WGRZ-TV The Niagara Frontier Chapter is excited to welcome Terry Belke to our meeting on March 13. Terry is here to share his experiences in the outdoors that he has filmed while traveling throughout the Adirondacks, the Grand Canyon of Pennsylvania, and the Algonquin region of Canada. His goal is to inspire others to care for Mother Earth. Come check out not only photos but also videos of his travels and feel inspired for Spring.

Monarch Butterfly Program-David O'Donnell, Eastern Monarch Butterfly Farm in Clarence, presents this program at 7pm. Town Park Club House, 10405 Main St., Clarence.

PUSH Buffalo Community Meeting-7pm at 271 Grant St., Buffalo.

Connected & Autonomous Vehicles: Are We Ready?-5:30 to 9pm at Salvatores Italian Gardens, 6461 Transit Road, Depew, NY 14043. Non-members $35. Registration, Speaker: Dr. Liesl Folks, Dean of Engineering & Applied Sciences, University at Buffalo. Click here for the meeting announcement. **Reservations required by March 6.**

Wednesday, March 14

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Educator Workshop: Project Budburst-4 to 6pm. Engage your students in hands-on citizen science as you monitor plants as the seasons change. Submitted data is used by scientists and educators to study the effects of climate on natural ecosystems. 2 CTLE hours provided. For educators in grades K-12. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Volunteer Training: The Grandpa Tree – 10am to noon. Join us at Beaver Meadow to learn the ins and outs of this K-3 program that explores the life cycle of a tree. Pre-registration is required. Please call 585-457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

Volunteer Training: Mammal Tracks and Traces – 1 to 3pm. Every animal leaves something behind. Join us in learning how to guide students to gather clues about the animals that call Beaver Meadow home. Pre-registration is required. Please call 585-457-3228 to register. This training is for existing and new volunteers interested in leading school programming at Beaver Meadow.

2018 WNYEA Congress- @ The 9th Ward | Babeville Buffalo. This year's Congress is co-sponsored by PechaKucha Buffalo and will feature fun and fast-paced presentations of the work of WNYEA members as well as innovators in the region working to improve the health and wellness of the environment through design. Learn more about PechaKucha **here**. $5 for non-members. Register here

Adult Workshop: Structures of Flight -Buffalo Science Museum from 6-7pm. www.buffsci.org, $15, pre-register at 716-896-5200. Adults only.

The Hamburg Garden Club- noon at the Hamburg Community Center, 107 Prospect Ave., Hamburg. Jen Weber from Mike Weber Greenhouses will give a presentation on maximizing vegetable and flower potential using containers. Guests are welcome. Contact lonabutler4@gmail.com for reservations.

Alden Garden Club- 7 p.m. at the Alden Community Center, 13116 Main St., Alden. James Wieczorek from Seasonal Nursery will speak on "Medicinal Plants."

Architecture/Planning Talk-6 to 7:30pm at 403 Hayes Hall, UB South. Nisha Botchwey is an associate professor of city and regional planning at the Georgia Institute of Technology and an adjunct professor in Emory University's School of Public Health. She is an expert in health and the built environment as well as community engagement.

Buffalo Ornithological Society Meeting- Cummings Room of the Buffalo Museum of Science at 7:00 PM. Topic is "Bird Feeding Mastery" By Wild Birds Unlimited.

Farming Our Fragile Island Home: A Food Ecology Forum- 7 pm, at St. Luke's Episcopal Church, Jamestown. Join local farmers, food organizers, and publishers to learn about regional sustainable agriculture. Stephanie Schuckers Burro of Edible Western New York will serve as a co-Moderator along with the Luke Fodor, Rector of St. Luke's. Panelists include Jessica Fredrick (Steady Plow Farm in Sherman), Linnea Carlson (Jamestown Renaissance Corp Public Market Manager) and others. Info. ENJOY WILLOW FODOR'S DELICIOUS VEGETARIAN DINNERS SERVED FROM 6-7 PM, before presentation. Visit **http://audubonchc.org** to register for dinner. Go to programs (upper right) to view vegetarian dinners/St. Luke's ($10 per dinner, registration required).

Thursday, March 15

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Lancaster Garden Club- will meet at 6:30 p.m. in St. John's Lutheran Church Hall, 55 Pleasant Ave., Lancaster. There will be the installation of officers and awards. The pot luck dinner will feature place setting and small arrangement judging for those interested. The group will make seasonal table arrangements for the Cornerstone Manor residents. New members are always welcome.

Postcards for the Planet-7:30-9pm at Spot Coffee,765 Elmwood Ave., Buffalo. Let's make our voices heard regarding the current rollback of vital environmental protections. Materials and ideas will be provided. Check Events at niagarasierraclub.com for any changes and further dates. Suggested comments and information will be available. Bring along any ideas for future sessions. Please feel free to join us for all or any portion of the time.

DIY Seedling Starters-5:30 to 7pm at University Heights Community Laboratory, 9 W. Northrup Place, Buffalo. Learn the basics of starting your own seedlings, craft your own pots, and take up to 5 seedlings home with you to get a jump start on your indoor or outdoor garden this spring! *$5 Admission to cover the cost of materials, seeds, and soils.

Savor Del Mar: Grand Opening of Penguin Coast-6 to 9pm at Aquarium of Niagara, 701 Whirlpool St., Niagara falls. $55 pp. *Savor Del Mar* is the Aquarium's premier wine and food fundraising event that supports our animal collection and ongoing conservation efforts. Indulge in catered stations from CRaV Restaurant, prepared by Executive Chef Adam Goetz. Sip on wine or beer and taste some of the best cuisine Buffalo Niagara has to offer! You also won't want to miss our amazing basket raffle, a new Sea Lion Show and an exciting night exploring our fully renovated first floor galleries. **Tickets**

Friday, March 16

"Loving Bats, Birds, and Pollinators: Why are They so Important to the Ecosystem?" -6:30pm at Roger Tory Peterson Institute, Jamestown. The program includes an art exhibition and panel discussion with Twan Leenders, birds; Jonathan Townsend, bats; Bob Ratterman, bees. info

Salamander Rain-6:30 to 8:30pm. Evangola State Park. The "Big Night" when hidden salamanders emerge for a rarely seen migration to forest breeding pools that only happens this time of year! ***For information & registration call (716) 549-1050.***

St. Paddy's Pedal Party- 6:30pm. Buffalo Irish Center, Slow Roll Buffalo presents our first St. Paddy's Pedal Party! The 8-mile ride is free and open to all ages and skill levels - starting at 6:30pmsharp, we'll roll from South Buffalo's Irish Heritage District to The Valley and First Ward along the original route for the Old Neighborhood Parade.ome early and stay late for a celebration of Irish culture in support of the center. All ages welcome - full bar and kitchen - as with the entire parade weekend at the center, admission is $8 in advance or $10 at the door, tickets available at the center and TARA GIFT SHOPPE across the street.

Saturday, March 17

Lookin' for Spring!-1 to 3pm. Artpark State Park. Emerge from winter hibernation and take a walk through the park to rediscover the beauty of spring. ***For information & registration call (716) 282-5154.***

Java Script Workshop-1 to 3pm. Join us for a workshop. Develop your own news story or game using the features of the Java Script programming language. Learn about Java Script which is a programming language that can talk directly to web pages. You will be able to create your story using video, graphics and audio and enjoy trying different things to how it turns out. The Sensational Saturday Series at NYPA's Niagara Power Vista is presented by WNY STEM Hub and Mission Ignite: Powered by Computers for Children. 716-286-6661. 5777 Lewiston Rd., Lewiston. Free of charge, Registration preferred, please reserve a spot via email: npvista@nypa.gov, Suitable for kids in grades 5–8.

Maple Harvest Festival – 9am to 3pm. Visit our sugar shanty at Beaver Meadow Audubon Center for a taste of fresh maple syrup and fuel up on our homemade pancake breakfast! Taste a sample of "Sugar on Snow" and win fabulous items in our basket raffle. Crafts and other fun activities will occur all weekend long. Maple syrup and other maple products will be available for sale in the gift shop as well as maple cotton candy and other maple snacks! $9 adults/$7 – 12 & under/3 & under free. www.buffaloaudubon.org

Horticultural Class: Beneficial Insects and Pollinators-11am to 1pm at Buffalo & Erie County Botanical Gardens. $20/class or $100 for series (members). Info and registration at https://www.buffalogardens.com/collections/adults/products/horticulture-i-certificate-series

Green and Clean Workshop-10am. Make your home clean and green this St. Patrick's Day at this interactive workshop. Create simple natural cleaning and beauty products, better than a pot o' gold. No shenanigans here, but there will be lots of resources shared to help you keep toxins out of your home. Materials fee $10; $8 Friends of Reinstein members. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Woods Walk: Nature Guide's Choice-1pm. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Maple Sugaring – Past and Present-10:00am-1:00pm at Taylor Road Park, Hamburg. Sharing the methods of sap collection and maple sugaring preparation as practiced by Native Americans, early settlers and modern day producers. Following the program, a delicious pancake brunch will be served featuring our locally produced maple syrup. FEES: Adults: $12, Children (under 12): $7. Includes program and brunch. Cosponsored by the Hamburg Recreation Department. Please register through the Recreation Department by calling (716) 646-5145 or visiting their website.

2018 Master Gardeners Education Day: Featuring Doug Tallamy- 8:30 AM - 3:00 PM at Classics V Banquet & Conference Center, 2425 Niagara Falls Blvd., Amherst, NY • Full.

PUSH Buffalo Monthly Meeting-3 to 5pm at 271 Grant St., Buffalo.

Environmental Sustainability: Native Plants-1 to 2:30pm. Iroquois National Wildlife Refuge. Leader: Kathy Contrino.

Shamrock Winter Woodswalk at DeVeaux Woods in Niagara Falls- NY Forest Owners Association event. Our guided tour will begin at 10am with an inside presentation, followed by an outdoor guided walk. Bathrooms available but no indoor spot to eat a bag lunch. Weather permitting we can rough it outside! At DeVeaux Woods State Park, on can "step back in time" to see what much of Western New York was like prior to European settlement. The old - growth forest is dominated by white, red and black oak trees and supports a fair diversity of shrub, moss, lichen, and mushroom species. One of the only old growth forests in an urban setting in the United States, DeVeaux Woods State Park claims its oldest tree is around 315 years old. 3180 De Veaux Woods Drive Off Rt. 104 (Lewiston Rd.), Niagara Falls, NY 14305. Presentation starts at 10am, please meet by 9:45am at the main park building (follow NYFOA signs).

Sunday, March 18

Maple Harvest Festival – 9am to 3pm. Visit our sugar shanty at Beaver Meadow Audubon Center for a taste of fresh maple syrup and fuel up on our homemade pancake breakfast! Taste a sample of "Sugar on Snow" and win fabulous items in our basket raffle. Crafts and other fun activities will occur all weekend long. Maple syrup and other maple products will be available for sale in the gift shop as well as maple cotton candy and other maple snacks! $9 adults/$7 – 12 & under/3 & under free.

Monday, March 19

Searching for Spring-11am to 1:30pm at Knox Farm State Park. Head out the day before the spring equinox to search for signs of spring as we prepare for warmer days ahead. ***For information & registration call (716) 549-1050.***

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

West Valley Scoping Meetings -For the Supplemental Environmental Impact Statement SEIS and Final Decisions on Disposition of Nuclear Waste at West Valley Nuclear Waste Site. "Scoping" is done to get public input on what the whole Environmental Impact Statement should cover and include. 1st of 3 WNY Sessions-6:00 p.m. to 9:30 p.m. at **West Valley Volunteer Hose Company**, Inc., Firemen's Memorial Hall and Training, 9091 Route 240, West Valley, NY 14171, in the Main Hall. **Everyone is encouraged to speak at these meetings for just 5 minutes.** However, **you must register to speak** by contacting the DOE Document manager, Martin Krentz 716-942-4007 or emailmartin.krentz@emcbc.doe.gov

'**Attached Algae as Indicators of Stream Ecosystem Function**'- Great Lakes Center Seminar, 4:00 p.m. to 5:15 p.m. | Bulger Communication Center W. T*wo* presentations: "Attached algae as indicators of stream ecosystem function in the headwaters of the Lake Erie watershed," by Hannah Fazekas, graduate student of environmental sciences at Wright State University, and "Estimates of depth-specific benthic primary productivity in Lake Erie and Lake Huron," presented by Leon Katona, graduate student of environmental sciences at Wright State University. All interested are welcome.

Tuesday, March 20

Toddler Time: Wake up! Wake Up! – 10 to 11am. Today is the first day of Spring! C'mon everyone, it's time to wake up! We'll take a short walk outside to see what is going on and finish with butterfly wing craft and snack! Dress for the weather. Pre-registration is required. Please call 585-457- 3228 to register. Ages 2-4. $3.

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/

Little Tykes Mini Nature Camp-9:30am - 11:30am at Tifft Nature Preserve. Enjoy a morning of fun and exploration in our early childhood classroom with a different theme each month! Story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Advanced registration required. Cost: $7 per child with adult. BMS Members save 10%, Ages: 3-5. register

West Valley Scoping Meetings -For the Supplemental Environmental Impact Statement SEIS and Final Decisions on Disposition of Nuclear Waste at West Valley Nuclear Waste Site. "Scoping" is done to get public input on what the whole Environmental Impact Statement should cover and include. 2nd of 3 WNY Sessions-6:00 p.m. to 9:30 p.m. at **Erie Community College, City Campus, Post Office Building, 121 Ellicott Street, Buffalo, NY 14203, in the Minnie Gillette Auditorium. Everyone is encouraged to speak at these meetings for just 5 minutes. However, you must register to speak by contacting the DOE Document manager, Martin Krentz 716-942-4007 or emailmartin.krentz@emcbc.doe.gov**

Niagara River Greenway Meeting-3pm. 95 Perry St. 5th Floor Conference Room, Buffalo NY 14203.

Wednesday, March 21

"Adélie Penguins of the Antarctic" and "The Big Thaw"-7 to 8pm. Jamestown Community College's Robert Lee Scharmann Theatre: CHRIS LINDER presents "Adélie Penguins of the Antarctic" and "The Big Thaw." Linder, photographer, filmmaker, and visual storyteller, holds a bachelor's degree from the United States Naval Academy and a master's degree in oceanography from the Massachusetts Institute of Technology and Woods Hole Oceanographic Institution. "Adélie Penguins of the Antarctic"and "The Big Thaw."

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Behind the Scenes Collections Tour-Buffalo Science Museum, adults only. $25. Register at www.sciencebuff.org at least 1 week in advance. 6-8pm. Geology Rocks.

Senior Stroll-10am. Experience nature at your own pace, and enjoy a leisurely guided walk through the woods. Bring a lunch if you want to eat indoors after the tour. For adults only. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Plantasia-Erie County Fairgrounds, Hamburg. Garden and Landscape Show. Hours and cost-https://plantasiany.com/

The Buffalo Bonsai Society- 7 p.m. at the Buffalo and Erie County Botanical Gardens administration building, 2655 South Park Ave., Buffalo. International bonsai artist, William Valavanis, will be the guest speaker. Valavanis has also been recently inducted as the hall of fame member in the National Bonsai and Penjing Museum. He is known around the world for his knowledge and styling in the classical design, which will be the topic of his demonstration. Guests are welcome to attend the meetings for free. Annual memberships with the Bonsai Society are $25 for an individual and $30 for a family. More information is available online.

The Western New York Rose Society-7 to 9 p.m. at St. Stephens-Bethlehem United Church of Christ, 750 Wehrle Drive, Buffalo. The meeting will feature "Preparing your garden and planting your roses" presented by Steve Styn of WNYRS. Guests are welcome to attend monthly meetings. Information about the Rose Society and membership dues is available online.

West Valley Scoping Meetings -For the Supplemental Environmental Impact Statement SEIS and Final Decisions on Disposition of Nuclear Waste at West Valley Nuclear Waste Site. "Scoping" is done to get public input on what the whole Environmental Impact Statement should cover and include. 2nd of 3 WNY Sessions-6:00 p.m. to 9:30 p.m. at **Seneca Nation of Indians Cattaraugus Council Chambers, 12837 Route 438, Irving, NY 1408. Everyone is encouraged to speak at these meetings for just 5 minutes. However, you must register to speak by contacting the DOE Document manager, Martin Krentz 716-942-4007 or emailmartin.krentz@emcbc.doe.gov**

DL&W Trail Open House-You are invited! Join the Land Conservancy from 6-8 PM for a presentation about the DL&W Trail at Larkin at Exchange, 726 Exchange Street, Buffalo, NY 14210. Since the fall of 2017, the Land Conservancy has been meeting with neighbors and community leaders to have conversations about what matters most to them. We are also working with local officials and organizations to create new partnerships as the plan develops. During this Open House you will learn about what we've heard from neighbors and community members, as well as our early thoughts and plans for the corridor. We will have several feedback stations so you can let us know what you think. *Come be part of an important and inspiring project for Buffalo!* While the event is free, space is limited, so please register by **Tuesday, March 20**. We look forward to seeing you there https://www.eventbrite.com/e/dlw-trail-open-house-tickets-43484476239

Thursday, March 22

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

"**Water Politics: Saving the Great Lakes, the Largest Fresh Water Ecosystem on the Planet."** -7 to 8pm at St. Luke's Episcopal Church, Jamestown. **DR. SHERRI "SAM" MASON** presents and will be joined by Helen Domske, Senior Extension Associate of the New York Sea Grant and Associate Director of the Great Lakes Program at the University at Buffalo, to discuss the health of the Great Lakes. Going from regional to local in scope, the evening will start with Sam presenting on a recent State of the Great Lakes report. Helen will then present an overview of NY Sea Grant and the numerous projects they have supported. Sam, a current recipient of NY Sea Grant support, will close out by discussing her work, past and present. The panel will end with an open discussion with the audience.

Small Farm Financials Workshop-6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. Participants will learn how to keep records and track financial information for a successful farm business This class will focus on hands-on exercises and examples. Please bring a calculator. The instructor is Ginny Carlberg, financial consultant for NY FarmNet. The cost is $5 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email kaw249@cornell.edu, or call 716-664-9502, ext. 202.

6 Minute Building Stories-6:00 pm - 9:00 pm, | $5, 6Mbs is an informal and fun gathering featuring presentations by esteemed speakers from diverse cultural disciplines. Speakers present their building story through 18 images. The total time allotted for each slide is 20 seconds and, as the slide changes after 20 seconds, so does the related verbal content. Hosted by a new guest emcee each event, you'll need to see it to believe it! Adam Mickiewicz Library, the new home of Torn Space Theater. All proceeds benefit BAF's educational programs.

Plantasia-Erie County Fairgrounds, Hamburg. Garden and Landscape Show. Hours and cost-https://plantasiany.com/

Friday, March 23

Timberdoodle Time!-6:30 to 8:30pm at Evangola State Park. Take an evening hike to witness the American woodcock mating display flight! Serenaded by a frog chorus, explore the "Woodcock singing grounds" for a rarely seen spectacle! For information & registration call (716) 549-1050.

Plantasia-Erie County Fairgrounds, Hamburg. Garden and Landscape Show. Hours and cost-https://plantasiany.com/

Saturday, March 24

Sugar Shanty Open to Public – 10am to 2pm. Stop in and see our sugar shanty in action at Beaver Meadow Audubon Center as we turn maple sap into sweet syrup. Free

Signs of Spring-10am. Put a spring in your step as we look for signs of the new season. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Birding 101: Class 3-2:30pm. What bird am I? Come learn the general types of birds found in Reinstein Woods. For adults and children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Windows 201-9:00 AM, 1728 Seneca Street, 1728 Seneca St, Buffalo, NY 14210, (please note, entrance is at the rear of the building accesable from Avondale Place). Join Preservation Buffalo Niagara for a hands-on follow-up to our Windows 101 workshop, where Historic Preservation Woodworker Steve Swiat of Northwood Historic Restoration, will teach participants the techniques to repair and restore wood windows. Space is limited. Reservations are required. Admission: $15 for PBN Members, $25 for general public, https://secure.everyaction.com/IrOYBfY1E0CfeVSjSCbKUg2

Spring Amphibian Hike – 2 to 3:30pm. Join Naturalist Tom Kerr for a spring hike in search of the Frogs, Toads, and Salamanders that make their home at Beaver Meadow. Spring is here and the woods will be full of the sounds of frogs looking for mates! Pre-registration is required. Please call 585-457- 3228 to register. $5.

Beaver Meadow Owl Prowl – 8 to 9:30pm. Join Naturalist Tom Kerr as we take a nocturnal hike in search of the Owls that call Beaver Meadow their home. We'll be looking and listening for Eastern Screech-owls and Barred Owls. Pre-registration is required. Please call 585-457-3228 to register. Space is limited. Ages 8+. $7.

Plantasia-Erie County Fairgrounds, Hamburg. Garden and Landscape Show. Hours and cost- https://plantasiany.com/

The Importance of Native Plants for Future Sustainability- 11:30 am Program Length: 1 hr. Habitat loss from destruction, fragmentation and degradation is a threat the native flora and fauna. Gardeners in urban, suburban and rural residential communities are uniquely suited to create pockets of biodiversity to produce long term environmental sustainability. Learn from plant expert, Kathleen Contrino which native varietals of plants, bushes and trees such as milkweeds, spice bushes and oaks provide the best chances for success. As spring is upon us, this is the perfect opportunity to start plotting out what to put into our gardens! This event will be held at The Portville Free Library, 1 North Main Street, Portville, New York 14770. Fee: Free for members, $5 for non-members and free for children 13 and under. Minors must be accompanied by an adult. Register by 4 PM, Thursday, March 22nd, 2018. . Register here or contact the office at 716-933-0187.

Buffalo Gem and Mineral Show-Erie County Fairgrounds, Hamburg. http://www.the-fairgrounds.com/event/march-21-22-gem-mineral-and-fossil-show/ 10am to 6pm.

Posh Paws-Benefit for HEART Animal Rescue. 6 to 10pm. Lake Erie Italian Club, 3200 South Park, Lackawanna. Dinner and drinks. $40 tickets in advance only. http://www.heartforanimals.org 821-1915 for tickets or Eventbrite. https://www.facebook.com/iheartrescue/

Introduction to Mushroom Growing Workshop- 10 a.m. to 1 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. Join Cornell University Professor Emeritus Ken Mudge, co-author of "Farming The Woods," to learn more about forest cultivation of shitake, and other specialty mushrooms for home or small farm-scale production. Learn the proper tree species, timing, inoculation and management techniques, along with the basic economics and marketing. At the conclusion of the workshop, participants will be able to take home an inoculated log. More information will be announced later. The cost is $40 per family. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials.
To register, email kaw249@cornell.edu , or call 716-664-9502, ext. 202.

Winter Constellations- 7:30 pm at Penn Dixie for a last look at The Winter Triangle, Perseus, Taurus, The Pleiades, and many other deep space objects. Mercury and Venus will make an appearance, though it might be quite chilly by the time Jupiter rises. Bring warm clothes and plenty of great questions about the universe! Astronomy experts will be your guide to the night sky at Penn Dixie. You may bring along your own telescope or are welcome to use one of the telescopes provided for the evening. Admission to these evening events is $4; Penn Dixie members attend for free. Please note that we will provide updates on social media should this program be canceled due to weather.

Sunday, March 25

Buffalo Gem and Mineral Show-Erie County Fairgrounds, Hamburg. http://www.the-fairgrounds.com/event/march-21-22-gem-mineral-and-fossil-show/ 10am to 6pm.

Plantasia-Erie County Fairgrounds, Hamburg. Garden and Landscape Show. Hours and cost- https://plantasiany.com/

GObike Buffalo Community Workshop - 6-8 pm, Class: Fix a Flat. Cost for classes is $10 and most sessions are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Monday, March 26

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Clean Air Coalition Member Monday - Come Help Out! 4pm – 6pm at Clean Air Headquarters - 52 Linwood Ave. (map). Stop by the Clean Air office, meet other folks that care about their neighborhood and help us with mailings, research, turn out calls, or other important work. Give us a call and let us know you plan on stopping by: 716-852-3813

Tuesday, March 27

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/

Sierra Club Meeting- 7 to 9pm in Room 229, Duns Scotus Hall, Daemen College, 4380 Main St., Amherst, 14226. All welcome. Check meeting details at https://niagarasierraclub.com/

"Climate Smart Gardening"-6 to 8 p.m. at the Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown. It is presented by Cornell Cooperative Extension of Chautauqua County's Agriculture Program as part of their 2017-2018 L.E.A.F. (Learn. Empower. Achieve. Farm.) Workshop Series. "Climate Smart Gardening" will focus on how climate change affects our gardening practices. Participants will learn more about the key concepts associated with gardening in a warming world. This workshop will cover the key concepts such as systems thinking that are fundamental to understanding the challenge of the changing climate and how it relates to gardening skills and techniques. The cost to attend is $5 per family, payable by cash or check that evening. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. To register, email kaw249@cornell.edu, or call 716-664-9502, ext. 202.

Spring Blooming at Lockwood's-Mary Trifunovic of Lockwood's will guide you in creating your own beautiful, flowering spring planter in this workshop at 6 p.m. at Lockwood's Greenhouse, 4484 Clark St., Hamburg. Keep your centerpiece in a cool place to stay fresh, and it will amaze your guests at Easter brunch or dinner. Your creation would also make a great hostess gift or just make one to enjoy as a wonderful expression of spring! The cost for the class is $35 and includes all supplies. The class is limited to 20 people. Register online.

Energy Democracy Meeting-6pm at 271 Grant St., Buffalo. www.pushbuffalo.org

Wednesday, March 28

Get Outside & Play-11am-12:30pm at DeVeaux Woods State Park. Take a break from Spring Break. Dress the kids for whatever the weather is and bring them out to play! If there's snow, we'll play in it; if it's warm, we'll play on the new playground. An informal naturalist presentation will be ongoing. **For information & registration call (716) 282-5154.**

Penn Dixie Volunteer Orientation-6 to 8pm. Penn Dixie would not exist without our volunteers! To keep growing, we're always on the lookout for help with programming, school visits, community engagement, site maintenance, and administration. **No experience necessary.** We will provide all the training needed! Learn about Penn Dixie from our staff and experienced volunteers and receive the tools that you will need to make a difference. We'll met in the Gateway Auditorium, 3556 Lake Shore Rd., Blasdell, NY. Dinner and refreshments included. Email holly@penndixie.org to register.

Adult Workshop: Parallels -Buffalo Science Museum from 6-7pm. www.buffsci.org, $15, pre-register at 716-896-5200x342. Adults only.

"Water Politics: Saving the Great Lakes, the Largest Fresh Water Ecosystem on the Planet?"-7pm at St. Luke's Episcopal Church, Jamestown. Talk by Dr. Sherri "SAM" Mason. https://www.greenupjamestown.com/greenup-jamestown-calendar/

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

National Weed Appreciation Day – 1 to 2:30pm. Naturalist Mark Carra will help you define what a "weed" is to you personally. After all someone once said "a weed is a matter of a definition." We may not want them, but they're here to stay, so let's understand their natural history. Pre-registration is required. Please call 585-457-3228 to register. $5.

West Valley Citizen Task Force meeting-6:30 – 8:00 p.m. at Ashford Office Complex, 9030 Route 219, West Valley, NY. For agenda, check http://westvalleyctf.org/meeting-information/

The Buffalo Bonsai Society Meeting-7 p.m. at the Buffalo and Erie County Botanical Gardens administration building, 2655 South Park Ave., Buffalo. Bonsai artist Walter Pall from Munich Germany will be the guest speaker. Jennifer Price, a student of Pall's will be accompanying him. When Jennifer is not in Europe, you can find her at Hidden Gardens in Chicago, Illinois. Guests are welcome to attend the meetings for free. Annual memberships with the Bonsai Society are $25 for an individual and $30 for a family.

Planning and timing are critical for saving your urban ash forest from EAB Webinar- 1:00 pm US/Eastern. The emerald ash borer (EAB, *Agrilus planipennis*) was first discovered in North America in 2002. Since that time it has spread throughout much of the eastern half of the continent, killing millions of ash trees in urban and rural settings. There is no effective silvicultural management method, biological control is still in the early stages, and chemical tree protection has proven to be the most effective. This webinar will give an update on the status of EAB in North America, and highlight recent advances in chemical treatment technologies for saving ash trees in urban areas. Presenter(s): Dr. Cliff Sadof - Department of Entomology, Purdue University. http://www.forestrywebinars.net/webinars/planning-and-timing-are-critical-for-saving-your-urban-ash-forest-from-eab?sr=wp~mkt-whenPub

Architecture/Planning Talk-6 to 7:30pm at 403 Hayes Hall, UB South. Architect James Shen, co-founder of Beijing-based People's Architecture Office, will discuss his studio's use of methods of mass production to achieve greater social agency, particularly in the context of urban regeneration, housing, and place making.

Thursday, March 29

Behind the Scenes Collections Tour-Buffalo Science Museum, adults only. $25. Register at www.sciencebuff.org at least 1 week in advance. 2-4pm. Knox your Average Piggy Bank.

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Release of our 2018 Slow Ride Buffalo schedule - most of our host venues this year will be first-timers! - with a fundraiser at Flying Bison Brewing Company, 840 Seneca Street in the Hydraulics aka Larkinville, 6-9pm - free admission with beer, food, raffles and more to help keep Slow Roll free and open to all!

Friday, March 30

Spring Egg-stravaganza-Tifft Nature Preserve from 10am to 4pm for all ages. Pre-registration required at www.tifft.org. Crafts, indoor celebration of hatching animals, egg dying using natural dyes.

Saturday, March 31

Seed Starting w/ Richard Price-2pm. If you were unable to make the earlier date here's your chance to learn from the master! Urban Roots workshop in collaboration with Grass Root Gardens of WNY. Call the store @ 716-362-8982 or email us @ info@urbanroots.org to secure your spot as space is limited. All classes are FREE except where noted.

Red Wiggler Worm Composter: Class #1-10:30am. Learn the initial set up of worm composting for indoors and/or outdoors. Cost for starter kit is $4.00, Friends members $2.00. Please call to register for all three classes. (May 12 - Class #2, June 30 - Class #3). Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Sugar Shanty Open to Public – 10am to 2pm. Stop in and see our sugar shanty in action at Beaver Meadow Audubon Center. as we turn maple sap into sweet syrup. Free

Birding 101 – 10 to 11:30am. Join Naturalist Tom Kerr for a short talk inside and birding walk outside to introduce you to the hobby of bird watching. We'll go over binoculars, field guides, mobile apps, and some of the common birds you are likely to find at Beaver Meadow. Pre-registration is required. Please call 585-457-3228 to register. Binoculars and field guides are provided. $5.

How to Grow Wildflowers for Your Summer Garden – 2 to 3pm. Join naturalist Mark Carra for an informative program on the indoor propagation of wildflowers for spring transplantation into your garden to bring beauty and color throughout the summer and autumn. Some native seeds will be supplied and bring some of your own to share if you wish. Pre-registration is required. Please call 585- 457-3228 to register. $5.

Full Blue Pink Moon Walk – 8 to 9:30pm. Naturalist Mark Carra will walk you around Beaver Meadow and talk about the second and final blue moon of 2018. A campfire with Moon Pies and talk of everything lunar including Charles Darwin's Grandfather's connection to the moon. Pre-registration is required. Please call 585-457-3228 to register. $5.

Lake Ontario Plain Field Trip -Buffalo Ornithological Society field trip for early migrants. This popular field trip seeks returning birds, like Killdeer, blackbirds, and Eastern Meadowlark, overwintering birds, like Rough-legged Hawk, Snow Bunting, and Lapland Longspur, and an abundance of waterbirds. We will look for loons, grebes, a variety of ducks and geese, and any goodies that might be around. Seven species of geese have been found on this trip. Previous trips have recorded Golden Eagle. Come join us and start to get over your spring fever! Meet at 8 AM at Tops Market in Wright's Corners. This is on the east side of Route 78 at Route 104, north of Lockport. Leader: Willie D'Anna 751-3637 or dannapotter@roadrunner.com.

Sunday, April 1

Happy Easter!

Monday, April 2

Budding Naturalists-9:00am - 11:30am at Tifft Nature Center. Our Reggio Emilia-inspired drop-off early childhood program and dedicated classroom will nurture your child's sense of wonder and curiosity for nature while encouraging physical, cognitive, social and emotional development. Attend one or two days per week. Advance registration required. Call 716.896.5200 x204 for more information. Ages 3-5.

Nature Tech Adventure: Solar Solutions-1:30pm. Discover the fun side of science as we harness the power of the sun to bake, create art, and more! For children ages 8 and up. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Tuesday, April 3

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit http://imaginelifelonglearning.com/lecture-series-early-spring-2018-schedule/

Little Tykes Mini Nature Camp-9:30am - 11:30am at Tifft Nature Preserve. Enjoy a morning of fun and exploration in our early childhood classroom with a different theme each month! Story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Advanced registration required. Cost: $7 per child with adult. BMS Members save 10%, Ages: 3-5. register

Nature Tech Adventure: Nature Apps-1:30pm. Explore how you can use your smartphone to enhance your nature experience. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew.

Nature Tech Adventure: Birding-1:30pm. Incorporate technology with birding and learn about eBird and the Merlin bird ID app. For children ages 8 and older. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, 93 Honorine Dr., Depew

Genesee County Master Gardeners Monthly Talk- 12:15 to 12:45 pm. on the first Tuesday of the month at the Cooperative Extension office, 420 E. Main St., Batavia. Take your lunch. The series is free. Registration is not required. Program is on creating cutting gardens. Future topics and other Master Gardener events will be posted on the Cornell Cooperative Extension of Genesee County website and on their Facebook page.

Tips for the Environment:

1. **Make your own dryer sheets-**If you use dryer sheets, save some money and reuse your sheets. Fill a bowl with liquid fabric softener, soak a cloth (brighter washcloth can be retrieved after each load), save extra fabric softener for future use, wring out cloth, add to dryer. Cloth can be reused up to 20 times before resoaking. For other options, visit https://www.thebalance.com/how-to-make-your-own-dryer-sheets-1387950.

2. **Search the Web and Plant a Tree-** Ecosia is a Germany-based online search engine that generously donates 80 percent of profits to tree-planting conservation organizations worldwide. https://info.ecosia.org/what. You can add as an extension to Chrome or other browsers.

Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

Aquarium of Niagara- Scuba-certified volunteers needed to clean the sea lion exhibit (without animals) once monthly. Other opportunities exist for education, exhibit maintenance and other tasks.

AWARE (Association for Wild Animal Rehabilitation and Education) - Volunteers needed for fundraising, grant writing, capturing and transporting animals to us or the veterinarians, public relations, construction of cages, begging for donations of materials and food (for the animals, not us) and for helping at our educational programs.

Buffalo Audubon- Volunteers wanted for Beaver Meadow Audubon Center, and For the Birds Niagara! Help with tour leading, office work, programming, grounds keeping and general maintenance. Every Wednesday 10am-2pm is Volunteer Day at Beaver Meadow. No need to register, but bring a lunch. Call (800) 377-1520 for details.

Buffalo Carshare- This new non-profit has brought car-sharing to Buffalo. Volunteers are needed for office help and promotion. Contact them at http://www.buffalocarshare.org/volunteer.html.

Buffalo Central Terminal-Many different opportunities for people interested in helping to preserve this unique building-people with basic carpentry and repair skills, and those with plumbing or electrical skills, to work inside the building, as well as those interested in staffing events, assisting with fundraising, marketing, operating our gift shop, and other tasks. For info, check http://buffalocentralterminal.org/you-can-help/volunteer-with-the-ctrc/.

Buffalo & Erie County Botanical Gardens-Docents needed. Training is provided. Tours and hands-on lessons are scheduled in advance, so you may sign up for those that fit your schedule. Other opportunities to help are available too. For info, contact khammer@buffalogardens.com

Buffalo Junior Solar Sprint-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.

Buffalo Museum of Science has volunteer and internship opportunities available for teens, college students and adults. For information, contact Monika McFoy, Director of Community Programs, at 896-5200, ext. 343.

Buffalo Niagara Waterkeeper- https://bnwaterkeeper.org/programs/volunteer/ for opportunities.

Buffalo ReUse can use volunteers for many things. To help, contact them at volunteer@buffaloreuse.org.

Clean Air Coalition of WNY-Help with mailings, phone calls, canvassing and Photovoice (documenting environmental challenges). To help, contact at 852-3813 or www.cacwny.org.

Excalibur, a private, non-profit all volunteer, charitable organization seeks competent anglers and captains to help provide free boating and fishing opportunities on Lake Erie for disabled and disadvantaged persons using the organizations new vessel. Contact Director Jim Catalano at jim@excaliburls.org or visit http://excaliburls.org

Garden Walk Buffalo helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com.

Go Bike Buffalo- If you're interested or want more information, info@gobikebuffalo.org

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-0740 or volunteer@habitatbuffalo.org.

Hawk Creek Wildlife Center is seeking volunteers for who would like to work with wildlife. 16 years or older. Call 716-652-8646. Email info@hawkcreek.org.

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

Lead Safe Erie County needs volunteers to help paint houses and prevent lead poisoning. For those who are interested, there is also free training for Lead Safe Work Practices Certification. Service learning students, block clubs and others are welcome. Call Mary at 716-833-2929, ext. 117.

Massachusetts Avenue Project needs volunteers from the 1st week in April through October on Saturdays from 10-1 PM. http://mass-ave.org/

Olmsted Parks-Volunteers are needed for tree plantings, special park events, office work and mailings. Please call (716) 838-1249 x. 33 for more info on becoming an Olmsted parks volunteer.

Penn Dixie Paleontological and Outdoor Education Center- Volunteers of all ages and backgrounds are needed. Have a few hours a month to help introduce children and adults to the natural sciences? Call (716) 627-4560.

Queen City Farms- Contact Meghan at meghmccallum@gmail.com. Remember that families with children are always welcome with parental supervision.

Preservation Buffalo Niagara-Interns & volunteers welcome. www.preservationbuffaloniagara.org.

Reinstein Woods Nature Preserve offers a variety of volunteer positions as well as internships for college students. For more info, call 683-5959 or visit http://www.dec.ny.gov/education/1960.html.

Science Firsthand needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

Slow Roll Buffalo- our volunteer squad of more than 120 serve in a wide variety of roles on Mondays and beyond, from planning routes and keeping the rides smooth to many forms of community outreach. Our big biking family is ever-growing - if you're looking for a fun and fulfilling way to get involved in our community on wheels, please submit an application!

Tifft Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. Call 662-1342 or email tifftfriends@yahoo.com.

Additional calendars with local events-
http://artvoice.com/calendar
http://www.citybration.com
http://www.buffalospree.com
http://www.exploreny.net/events.php3
http://www.metrowny.com/events.php
http://www.buffalo.edu/calendar
Re-Energize Buffalo Blog- http://renewnrg.blogspot.com/
http://buffalorising.com
http://www.buffalobarnraisers.com/
http://rochesterenvironment.com/calendar.htm

Additional local blogs and websites-
Buffalo Barn Raisers- http://www.buffalobarnraisers.com/
Buffalo Niagara Gardening - http://www.buffalo-niagaragardening.com/
Buffalo Niagara Nature Almanac- http://bnnatureblog.com/
Buffalo Issues Alert- http://groups.yahoo.com/group/BfloIssueAlerts/
Buffalo Promise Neighborhoods- http://buffalopromiseneighborhood.org/
Buffalo Tours- http://buffalotours.blogspot.com/
Buffalo Green Fund-http://www.buffalogreenfund.org/
Canning Tips for Food Preservation- http://www.motherearthnews.com
Campaign for Buffalo History, Architecture and Culture- http://greaterbuffalo.blogs.com/
Chirps and Cheeps Bird Blog- http://www.chirpsandcheeps.com/
Daily Public- http://www.dailypublic.com/
Dept. Environmental Conservation Calendar- http://www.dec.ny.gov/calendar/
DEC Green Living Tips- http://www.dec.ny.gov/public/337.html
Edible Buffalo- http://ediblebuffalo.wordpress.com/
Erie Cattaraugus Rail Trail- http://www.ecattrail.org/
Fix Buffalo- http://fixbuffalo.blogspot.com/
Gardening Speakers Bureau http://gardentalkbuffalo.blogspot.com/p/blog-page.html
GBNRTC-http://www.gbnrtc.org/blog/
Guide to Urban Farming- http://smallfarms.cornell.edu/resources/
Healthy Kids/Healthy Communities- http://hkhcbuffalo.blogspot.com/
Learning Sustainability Campaign- http://www.learningsustainability.com/

Parks and Trails NY Trailfinder Site- http://www.ptny.org/trailfinder/Default.aspx
Reuse Action-http://reuseaction.com/blog/
Rochester Environment- http://www.rochesterenvironment.com/
WNY Enviro- http://groups.yahoo.com/group/WNY-ENVIRO/
Outdoors Niagara- http://www.outdoorsniagara.com/
Environmental Tips- http://www.globalstewards.org/ecotips.htm
Good Neighborhood- http://thegoodneighborhood.com/
Buffalo Architecture and History- http://www.buffaloah.com/
Richardson-Olmsted http://www.richardson-olmsted.com/
Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029
All about Nature- http://www.meetup.com/All-About-Nature-in-WNY/
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- http://peaceweavers.org/
Eco-Island Nature Center- www.k12.ginet.org/resources.cfm?subpage=6518
NY Sport Fishing- http://www.fishny.com/
Erie Canal Trailway- www.ptny.org/bikecanal
Niagara Watershed Alliance- http://www.had-e-nuff.com/id6.html
Rochester Roots-http://www.rochesterroots.org/
SOLE of Buffalo- https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420
New York Times Green Energy & Environment-http://green.blogs.nytimes.com/
South Buffalo CREW- http://www.southbuffalocrew.com/
U Save Buffalo/Recycling- http://www.facebook.com/USaveBuffalo
We Love Outdoors-http://www.weloveoutdoors.com/
WNY Chapter/American Chemical Society- http://wny.sites.acs.org/
Fishing Outdoors- http://www.huntfishnyoutdoors.com/events.php
WGRZ Outdoors- http://www.wgrz.com/local/2-the-outdoors/
Citizen Science Opportunities- listing

New York State Resources
Geographic Information Gateway http://opdgig.dos.ny.gov/#/home

Green Jobs, Internships and Opportunities
Environmental Internships-http://environmentalinterns.ncseonline.org/
Green Jobs- http://www.greatgreencareers.com , http://www.greenjobs.com/
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

Youth Summer/Holiday Camps/Home School Series
www.aquariumofniagara.org
www.buffaloaudubon.org
www.buffalogardens.com
www.buffscience.org
www.tifft.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

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.wnygrantmakers.org/
www.grantstation.com
www.grantwatch.com
www.grantwrangler.com
www.grantsalert.com
http://www.glrppr.org/funding/
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/
Busti Cider Mill- www.busticidermill.com
Canticle Farms-http://www.canticlefarm.org
Chicken Worth Eating-http://www.chickenwortheating.com/
Common Roots Urban Farm- https://www.facebook.com/CommonRootsUrbanFarm/
Dirt Rich Farm- http://www.localharvest.org/dirt-rich-farm-M66269
Eastern Monarch Butterfly Farm- https://www.facebook.com/EasternMonarchButterflyFarm
Erie County Farmers' Markets- http://www.agriculture.ny.gov/AP/CommunityFarmersMarkets.asp#Erie County
Falkimmer Farms- http://falkimmerfarms.com/
Farmer Pirates-http://www.farmerpirates.com/
Farmers and Artisans- http://farmersandartisans.com
Farmthisway CSA - http://www.farmthisway.com/
Fenton's Produce- www.fentonsproduce.com
First Light Farm and Creamery- http://www.first-light-farm.com
Five Loaves Farm- Kauffman.m@gmail.com
Flavor Farm- www.flavor-farm.com
Good Food Farm- www.goodfoodfarm.blogspot.com
Gormley Farms- https://www.facebook.com/gormleyfarms
Green Heron Growers- http://www.greenherongrowers.com/
Green Shoots- www.jersbuffalo.org/index.php/programs/category/Green_Shoots_for_New_Americans
Groundwork Market Garden- http://www.groundworkmg.com
Harvest Patch- http://www.harvestpatch.com/
McCollum Orchards/Wildwood CSA- http://www.oldfarmnewlife.com/
Michigan Riley Farm- http://michiganrileyfarm.wordpress.com/
Native Offerings- http://nativeofferings.com/
Niagara Malt- www.niagaramalt.com
Plato Dale Farm- http://www.platodalefarm.org/
Porter Farms- http://porterfarms.org/
The Promised Land- http://www.promisedlandcsa.com/produce.htm
Queen City Farm- www.queencityfarm.org/
Reigle's on the Ridge- http://www.localharvest.org/reigles-on-the-ridge-M48650
Richardson Farms/Grace's Garden- http://www.localharvest.org/richardson-farms-graces-garden-M51641
Roots & Wings Family Farm- http://www.rootsandwingsfamilyfarm.com
Root Down- www.therootdownfarm.com
Sinemus Farms- http://www.sinemusfarms.com/
Singer Farms Naturals-www.singerfarmnaturals.com
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
T-Meadow Farms- http://tmeadowfarm.com/
Wilson Street Urban Farm- http://wilsonstreeturbanfarm.wordpress.com/
NY Sustainable Agriculture Working Group- http://www.farmtraveleronline.com/
NYSAWG Links to Farmers' Markets, CSA, Other farms- http://www.nysawg.org/directory-of-farms.html

Local Harvest (resource site)-http://www.localharvest.org/
NY Agri-women - http://www.newyorkagriwomen.com/
Local Meats- http://meatsuite.com/

Local Tourism promoting Sustainability
Buffalo Bites Food Tours- http://www.buffalobitesfoodtours.com/
Buffalo Tours- http://www.preservationbuffaloniagara.org/buffalo-tours/
Niagara Wine Trail - http://www.niagarawinetrail.org/

Recycling, Reuse, Disposal, Green Cleaning Options: (also check www2.erie.gov/recycling/index.php?q=node)
Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373
Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's
Bicycles- Buffalo Blue Bicycle http://gobikebuffalo.org/
Books- www.booksforafrica.org, www.operationpaperback.org
Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.
Bras- www.donateyourbra.com, www.brarecycling.us
Building materials- www.buffaloreuse.org
Carpet- WNY Professional Flooring, 864-3875
Cars- http://www.donateacar.com/
Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill, Hearts for the Homeless -to see what is accepted https://www.nysar3.org/page/re-clothe-ny-78.html
Clothing, formal/business- www.donatemyweddingdress.org/, www.careergear.org, www.dressforsuccess.org
Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's
Computer disks, tapes and misc. techno"trash"- http://greendisk.com/
Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking dropoffs
Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities
Drug disposal best practices and sites- http://www.dec.ny.gov/chemical/45083.html, http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz
Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com
City of Buffalo residents- 1120 Seneca Street, hours and info here; Other residents, check with your towns.
Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.
Eyeglasses-Lions Club http://donateglasses.net/search.html for sites accepting donations
Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.
Fur coats (incl faux fur)- http://coatsforcubs.com (used for animal rehab for young animals)
Gift cards and customer loyalty cards- http://www.earthworkssystem.com/consumers.html
Green Cleaning programs in the workplace-https://greencleaning.ny.gov/Entry.asp
Greeting Cards- http://www.stjudesranch.org/shop/recycled-card-program/
Hazardous Household materials- http://www.hazmanusa.com/
Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,
Ink cartridges-RecyclePlace.com and most manufacturers
Mattresses- http://triadrecycle.com/mattress/ Hazman, Buffalo ReUse ReSource
Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf
Needles, Syringes etc.- http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access
Packaging Materials (bubble wrap, peanuts)-UPS Store
Pharmaceuticals-dropoff sites at map
Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot
Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org
Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448
Recycling A to Z - realsimple
Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com
Sports equipment-resell/trade at www.playitagainsports.com
Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.
Tennis balls- http://www.rebounces.com/recycle/
Toys, plastic- http://dmpgreen.com/mail_in.html

Uses and reuses for many items- http://www.world.org/weo/recycle
Water filters-Brita partners with preserveproducts.com/recycling
Wetsuits- https://www.sugamats.com/recycling/, https://www.greengurugear.com/pages/recycling-to-upcycle-program

Eco-volunteering with Travel:
http://www.planetfriendly.net/learn.html
http://www.globalteer.org
http://www.ecovolunteer.org/
http://www.goeco.org/
http://www.wwoof.org/
http://www.americanhiking.org/

Education Courses or Certificates:
Energy University Website with Schneider Electric- Courses are free
Green Classroom Professional Certificate- Online courses, info here
Solar Energy Training- http://www.solarenergy.org/training-schedule/
Coursera- www.coursera.org

Miscellaneous:
Green America's guide to Socially Responsible Investing- http://pubs.greenamerica.org/i/116105
Buffalo Relocation and Self-Promotion http://www.wherelifeworks.com/
Change Food Library http://www.changefood.org/changefoodlibrary/
USDA Tool Kit for Local Food toolkit

Videos/Websites

Better Than Ed-Video series with Actor Ed Begley encouraging environmentally-friendly practices.
EJSCREEN is an environmental justice mapping and screening tool.
Local Foods, Local Places Toolkit to help communities develop their own plans for setting and achieving local food and revitalization goals.
Archived EPA Climate Change Info.
www.epa.gov/climate-indicators.
Guide to help schools reduce food waste
Tool for Sourcing Local Meat
Click here to watch the Know Your Food videos.
iMATTER Youth Movement to Spark Change
Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement
EWG's Guide to Healthy Cleaning.
EWG's Tap Water Database.
http://www.nebeginningfarmers.org/online-courses/ -beginning farmer online training through Cornell.
2018 Fuel Economy Guide
Climate Hubs provides information for managing risks posed by a changing climate.

Links to area/state environmental/community sustainability organizations and regularly scheduled activities:

Adirondack Mountain Club-Niagara Frontier Chapter Meetings 7:30, second Tues. from Sept.-June	http://adk-nfc.org/
AIA Buffalo Western NY	https://www.aiabuffalowny.org/
Air and Waste Management Association	https://awmanfs.wildapricot.org/

Allegany Nature Pilgrimage	http://alleganynaturepilgrimage.com/
Alliance for the Great Lakes	www.greatlakes.org
American Planning Association-WNY Section/Upstate	www.wnyapa.com
American Meteorological Society-WNY Chapter	www.facebook.com/amswnychapter
Amherst State Park Arboretum	http://www.amherststatepark.org/ASP/Welcome.html
Animal Advocates of Western New York	http://www.animalswny.org/
Aquarium of Niagara	www.aquariumofniagara.org
Asha Sanctuary for Rescued Farm Animals	http://www.ashasanctuary.com/
AWARE-Assoc. for Wild Animal Rehabilitation & Education	http://www.awarewildlife.com/
Bergen Swamp Preservation Society	http://www.bergenswamp.org/
Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloaudubon.org
Buffalo Bike Share	www.buffalobikeshare.org/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo First	www.buffalofirst.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/

Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteering.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/
Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizens for Regional Transit	www.citizenstransit.org/
Citizen Science Community Resources	http://www.airhugger.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	http://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/

Coalition of Positively Charged People	https://www.coalitionpositive.org/
Community Action Organization of Erie County	http://www.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://chautauqua.cce.cornell.edu/
Cornell Cooperative Extension for Erie County	http://counties.cce.cornell.edu/erie/
Cornell Cooperative Extension for Niagara County	http://counties.cce.cornell.edu/niagara/
Daemen College Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Earth Spirit Educational Services	www.earthspiritedu.org
Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 551-4410	http://www2.epa.gov/aboutepa/epa-region-2
Erie Canal Harbor Development	http://www.eriecanalharbor.com/
Erie County Community College Going Green	http://eccgoinggreen.ecc.edu/index.html
Erie County Conservation Society	http://eccs-club.org/
Erie County Department of Environment and Planning	http://www2.erie.gov/environment/
Erie County Environment Management Council	http://www2.erie.gov/environment/
Erie County Farm Bureau	http://www.ecfarm.com/
Erie County Federation of Sportsmen's Clubs	http://www.eriectyfsc.org/
Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb

Fillmore Forward	www.fillmoreforward.org/
First Hand Learning	www.firsthandlearning.org
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
For A Clean Tonawanda Site	www.factsofwny.com/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	www.gardenclubsofwny.com
Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/
Good Going WNY	www.goodgoingwny.com
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/
Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
Green Development Zone	http://greendevelopmentzone.org/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenup Jamestown	https://www.greenupjamestown.com/

Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	www.gwbuffalo.org
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/events.php3
Heart of the City Neighborhoods, Inc.	www.hocn.org
H.O.P.E of WNY	http://bkhopeducation.wixsite.com/hopeducation-network
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/
Jamestown Audubon Center & Sanctuary	http://audubon cnc.org/
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Jane's Walk-Buffalo	http://janeswalk.org/united-states/buffalo-ny/
Junior Solar Sprint Buffalo	www.jssbuffalo.com
Lake Erie Seaway Trail Center	http://lakeerieseawaytrail.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Learning Sustainability Campaign	http://www.learningsustainability.com/
Local Initiatives Support Corporation	http://www.lisc.org/buffalo/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org/centralwestern

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/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylcv.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.nysaccny.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	www.nysparks.com
New York State Sea Grant	http://www.seagrant.sunysb.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	http://niagarafishingexpo.com/
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafrontierbotanicalsociety.org/botanical-society/home/
Niagara River Anglers Association	http://www.niagarariveranglers.com

Niagara River Greenway Commission	www.niagaragreenway.org
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
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/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	http://www.niagara.edu/renu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://roccbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/

Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Buffalo-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Sustainable Earth Solutions	www.sustainableearthsolutions.com
Tesla Fest	https://www.teslafest.org/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://tonawandacreek.shutterfly.com/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eswub.com/
UB Environmental Network	https://www.facebook.com/groups/2239558471/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
University Heights Collaborative	http://ourheights.org/
UnwasteNY	http://www.unwasteny.org
Urban Land Institute	http://newyork.uli.org/regional/

Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	http://www.voice-buffalo.org
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/
Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	http://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnysc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/

Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideministries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/