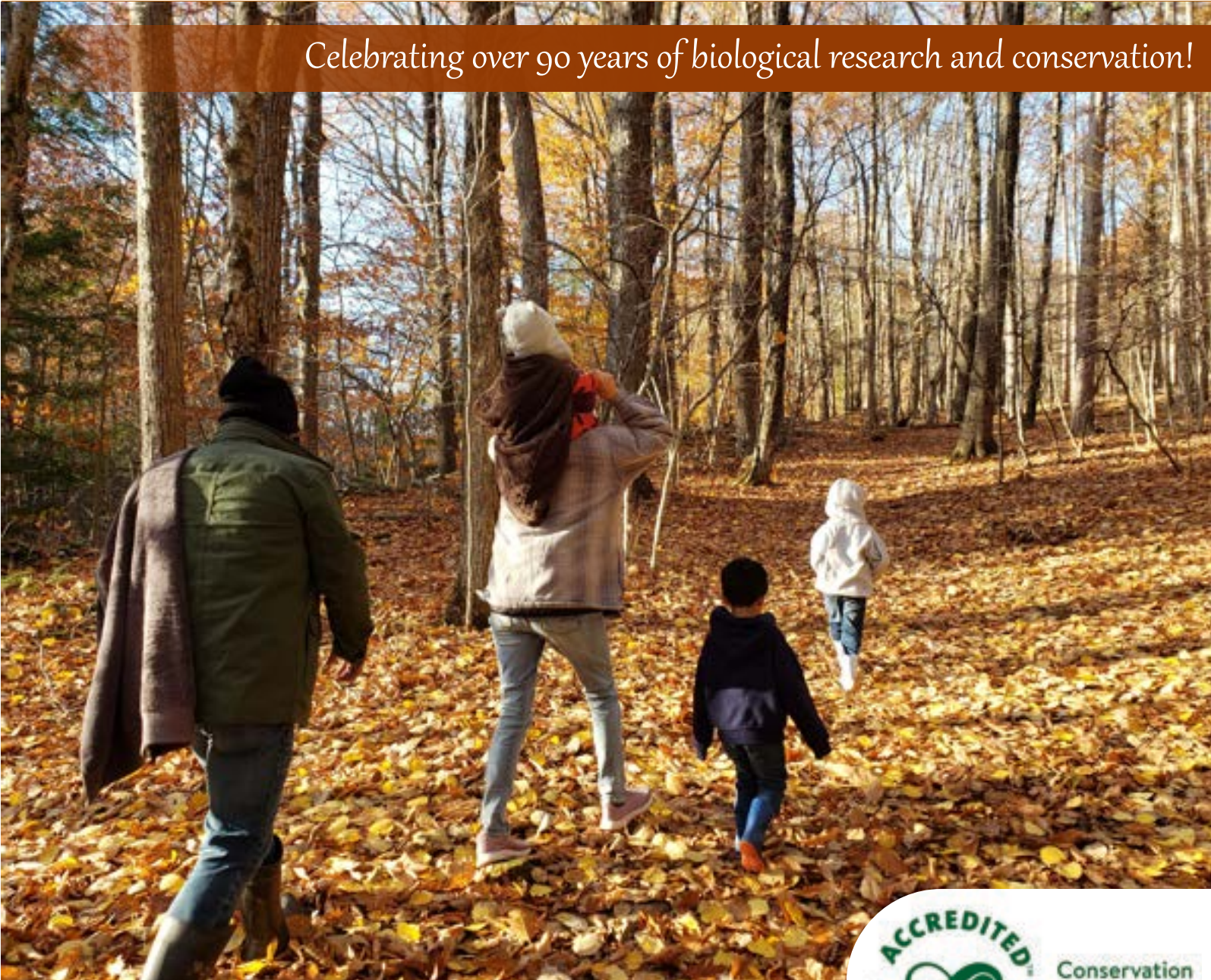




# THE EDMUND NILES HUYCK PRESERVE

Connecting people to nature through conservation, education, research, and recreation

Celebrating over 90 years of biological research and conservation!



AUTUMN 2022



Conservation  
Excellence

# Myosotis Messenger



## A LETTER TO OUR MEMBERS

Dear Members,

As I write this, it is a brisk fall day. Leaves are starting to change and drop, recent rains have made the ground and trails damp, and fall wildflowers like my favorites white snakeroot (*Ageratina altissima*) and white wood aster (*Eurybia divaricata*) are in bloom. The change in seasons has brought a welcome transition from the hot, dry summer as if a natural rhythm has been restored.

In fact, that's the prevailing sense at the Huyck Preserve these days—at long-last, our rhythm has been restored. Summer was once again filled with the hustle and bustle of programs and events in full swing, and families and friends gathered for swimming, boating, and picnicking on the lake. Our education program found students in grades K-12 connecting to nature and increasing their awareness of how science is used to understand and protect the natural world (p.3). Meanwhile, our Odum Internship program was also restarted this summer, with four undergraduates from colleges across the country coming to complete independent research projects with Senior Research Fellow Jonathan Titus, Ph.D. (p.4). Hopefully you were able to see the results of their eight-week program at the final Thursday Night Lecture of 2022. If not, you can find videos of that lecture and those presented by visiting Huyck Research Grant recipients on our website ([www.huyckpreserve.org/science-videos](http://www.huyckpreserve.org/science-videos)).

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More behind the scenes, Preserve staff worked on long-term stewardship projects focused on invasive species management and monitoring (p.5) with support from Capital Region Partnership for Regional Invasive Species Management. Experts in that field came together at our first Invasive Species Symposium held in July. We completed much of the work for a New York State Conservation Partnership Program (NYSCPP) grant aimed at safeguarding Huyck Preserve forest health through early detection of new invasive plant species and through a pilot study on integrated pest management as a potential long-term strategy for invasive hemlock woolly adelgid management (p.7). Near the end of the summer, our Annual Benefit and Silent Auction, an August tradition, resumed in-person (the auction was also available online). The celebration brought together new and old friends and was the perfect capstone for a successful season.

As fall begins, the pace slows and energy is shifted to other activities. We are welcoming students for fall field trips and our homeschool program. The next phase of our trail, boat launch, and Davis Cottage restoration project is getting underway. The calendar is filled with familiar and new events. We hope to see you!

Anne G. Rhoads, Ph.D., Executive Director

## A MESSAGE FROM OUR PRESIDENT

Dear Friends,

It is wonderful to reflect on the past (see p.8 for Tootie Greene's recollection of her childhood summers spent on Lincoln Pond) and realize how much enjoyment the Preserve continues to offer visitors today (e.g. p.3). We had a lovely visit this summer from Shirley Stevens French, daughter of one of the founders of the Huyck Preserve and great niece of Jessie Van Antwerp Huyck, whose own memories were spotlighted in the Spring 2022 edition of the Myosotis Messenger. She came with Jamey French, her son, two granddaughters, and a great-granddaughter, creating a multi-generation bridge between the creation of the Huyck Preserve in 1931, when 470 acres were set aside for the benefit of the community, and today. They enjoyed a picnic at Lake Myosotis just like Shirley and Tootie would have done during their childhoods. The Preserve has now grown to over 2,000 acres thanks to donations and support from the community, and we are happy to say it is as vibrant as ever.

Alexandra van Horne, President, Board of Directors

# ECOLOGICAL LEARNING AT THE HUYCK PRESERVE'S SUMMER EDUCATION PROGRAMS

BY JAIME WINANS-SOLIS, PH.D.



*Jaime Winans-Solis, Ph.D., and Nature Study students examine the underside of a log in search of decomposers.*

*The summer months* at the Huyck Preserve were full of nature-based learning opportunities for young naturalists, ranging from kindergarteners to high school seniors. The Preserve's offerings included Nature Study, Ecological Explorations, and the Wildlife Ecology Research Day Program. Middle school students in grades 6 – 8 enjoyed Ecological Explorations, which was led by Zoe Herman and Peter Ruhren. This week-long class in late July provided the opportunity for students to explore the Preserve's natural treasures and ecological concepts in an immersive, hands-on format. Students spent their days hiking the Preserve's trails and exploring the

ecosystems of the streams, lake, pond, and forests. They also participated in problem solving activities and group challenges, and frequently concluded the day swimming at the lake.

An exceptional opportunity for older students interested in the natural sciences is the Wildlife Ecology Research Day Program. This two-week program targets high school students in grades 9 – 12 and was instructed by Susan Beatty, Ph.D. and Zoe Herman. Students spent the first week of the program in early August hiking and exploring the Preserve and also learned from visiting researchers and other guest lecturers. In the second week, students worked with this year's undergraduate Odum Interns on independent or small group projects, which culminated with a poster presentation. This opportunity to learn alongside experts in the field drew students from as far as New York City and New Jersey.

Many students develop an interest in these more advanced education classes as young children in the Nature Study Program. This year four sessions of Nature Study were filled with our youngest participants who were entering kindergarten through fifth grade. These classes were led by myself, Zoe Herman, Susan Cunningham, Lynn Wetterau, and Maureen Schlereth. Nature Study offers an exploratory introduction to the Preserve's ecology through daily hikes and hands-on investigations, as well as science-themed games and crafts. Exploring aquatic ecosystems is a favorite activity for these age groups. Despite the dry conditions, children discovered an abundance of crayfish in Ten-Mile Creek, and their enthusiasm for catching and releasing the crustaceans seemed endless.

Nature journaling is an approach to student-centered learning that we often use in Nature Study. Nature journals offer a path for students to engage with nature, elaborate on what they learn in class lessons and field investigations, and tailor their work to their own interests and abilities. After each field outing, children were given time to journal and reflect on their field observations. An engaging nature journal activity we introduced this year was creating a sound map. Children sat quietly along the shore of Lincoln Pond and created an illustration of all the sounds they heard for about five minutes in their nature journals. This is a great way to help children tune in to nature and heighten their observation skills. Their sound maps included croaking bullfrogs, buzzing mosquitoes, birdsong, and wind rustling through the cattails and grasses.

These summer offerings instill a connection to nature and an enhanced understanding of the role of science in protecting ecologically important places like the Huyck Preserve. It is always inspiring to work with youth in the outdoors; they are keen observers and energetic explorers. We are grateful for the curiosity and zeal these budding ecologists bring to the Preserve each summer and hope to see them return again next year.

Jaime Winans-Solis, Ph.D. is an environmental educator and the chief editor of PATHWAYS—the publication of the New York State Outdoor Education Association. Jaime was a conservation education fellow of the Welder Wildlife Foundation located in Sinton, Texas. She studied ecology at Sterling College in Vermont and received a master's and a doctorate in education from Texas A&M University—Corpus Christi. In addition to teaching Nature Study, Jaime leads the Preserve's homeschool education program.

# A SUMMER OF RESEARCH AND EXPLORATION

BY JONATHAN TITUS, PH.D., 2022 SENIOR RESEARCH FELLOW



*Left to right: Daniel Graves out in the field while working on collecting soil samples; Eli Beech-Brown by Ten-Mile Creek; Tanvi Jain marks test sites; Angela Yuan collects insects near Lake Trail West*

*This summer squirmed,* crawled, swam, buzzed and photosynthesized with the excitement and energy of exploration, discovery, and creativity by researchers of all ages. One group of researchers taking part in the Odum Internship Program included four talented college students from across the country. They exemplified the spirit of scientific discovery, research, and collaboration, as they designed and conducted their own independent field ecology research projects.

Angela Yuan, a junior at Cornell University, wondered if bees are more attracted to the flowers of native species than they are to non-native species. Over the summer, she netted bees pollinating five native and seven non-native plant species across the Preserve. Angela found that both bee abundance and the number of native bee species was higher at native plants. In some instances, however, there were large numbers of non-native honeybees visiting some flowers, particularly on sunny days when overall bee abundance was higher.

Tanvi Jain, a senior at Soka University of America—in California—was interested in macroinvertebrates and leaf decomposition in streams. Tanvi used kick sampling—an established method of perturbing the underlying streambed—to capture macroinvertebrates with a net for identification. To examine the role of decomposition, Tanvi placed leaf litter into 1-mm and 7-mm mesh bags into three streams for different time intervals. Invertebrates can enter 7-mm holes but not 1-mm holes, thereby assessing the importance of macroinvertebrates to decomposition. Macroinvertebrate numbers were the same across all of the streams, but decomposition of leaf litter was fastest in the smallest stream. Interestingly, decomposition was rapid for the first week but then almost stopped; furthermore, mesh size did not affect decomposition rates.

Daniel Graves, a junior at Brown University, studied soils and earthworms. By assessing soil characteristics and earthworm species across differing successional stages (mature forest, young forest, and old field), Daniel examined relationships between these factors. Earthworms were sampled by wetting the soils with a powdered mustard solution, which is harmless to earthworms, but induces them to come squiggling up to the surface where they can be identified. Daniel found that some species of earthworms are more prevalent in mature forests than others and that some species of earthworms prefer more alkaline (less acidic) soils.

Eli Beech-Brown, a junior at the University of Richmond, has had a life-long love of salamanders. He examined salamander species and abundance in streams, riparian zones, and upland forests. Eli measured a wide variety of environmental variables and searched for salamanders across many habitats, finding five species. There were more salamanders in streams than under logs and rocks on land, which may have been due to this summer's pronounced drought. Eli also placed wood blocks within and near the streams and found that salamanders utilized these habitats.

The summer was a joyful and resounding success for all of the Odum Interns, resulting in well-designed projects, meaningful data, and excellent presentations, which were shared with the public at the final Thursday Night Lecture in August. Perhaps one of the most gratifying parts of the summer was the college students' mentorship of high school students in the Wildlife Ecology Research summer program. This went brilliantly, and allowed the high school students to conduct their own quality research projects patterned after those of the college students, as well as validating a greater sense of leadership for the interns.

Though with different backgrounds and from different places, the four Odum interns bonded wonderfully, and, as a result, they



became fast friends. They helped each other through every stage of the research process during this summer away from their family and friends. As the Senior Research Fellow, I felt very lucky to mentor these outstanding students. The interns also enjoyed activities such as hiking, Thursday Night Lectures and other programs, and book discussions. Summer is a wonderful time at the Huyck Preserve, with all the education, research, and public outreach programs happening simultaneously.

Jon Titus is a recently retired biology professor from SUNY-Fredonia where he taught introductory biology, botany and ecology for 17 years. Now he is spending as much time as possible outdoors enjoying nature. He is also continuing to volunteer for land conservancies in their nature preservation efforts.

## UPDATES FROM THE LAND

BY GARRETT CHISHOLM, STEWARDSHIP COORDINATOR

### “Fire!”

is a word one would hope never to hear while in the forests of a 2,000-acre nature preserve. At the Huyck Preserve, we are learning that this word can be a sign of both progress and innovation. We began using flame treatment as a means of combating invasive plant species in 2021 after the method was successfully tested by our partners in EMMA (Environmental Management and Monitoring Alliance), a regionally-coordinated ecological monitoring network centered in the Hudson Valley that includes invasive species work among its four priority issues. (Our Executive Director, Anne Rhoads, Ph.D. is currently chair of the group.)

While much of our invasive species management work involves mechanical removal of undesired populations, flame treatment is becoming another important tool in our arsenal. Although an exciting technique, it is not one to be taken lightly, as the dangers of fire are something I've learned a great deal about, growing up as the son of a firefighter. Past work by others has shown that Japanese barberry, multiflora rose, and common buckthorn can be successfully treated with this technique. The process is not

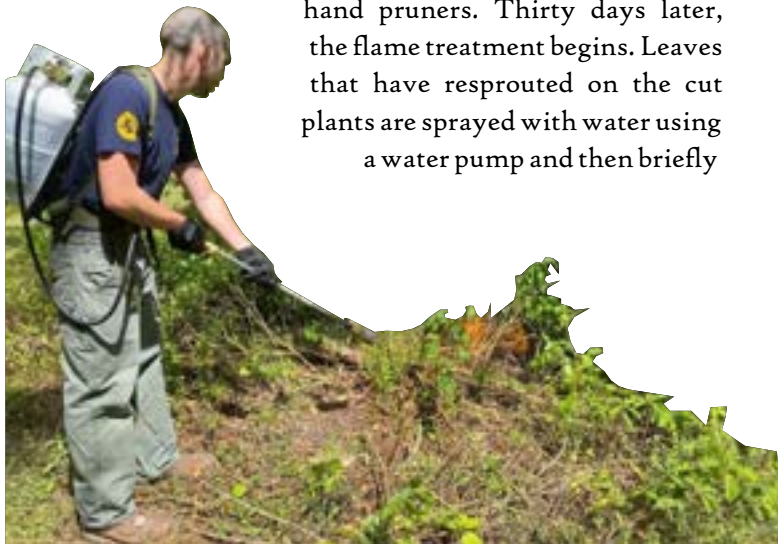
instantaneous. Target plants are first cut back to the base using loppers or hand pruners. Thirty days later, the flame treatment begins. Leaves that have resprouted on the cut plants are sprayed with water using a water pump and then briefly

blasted with a backpack weed torch. The plant must be wet to allow for the heat of fire to “boil” the plant from the inside out (as opposed to burning the entire plant).

### We began using flame treatment as a means of combating invasive plant species in 2021.

This summer, we ramped up our use of flame treatment after seeing successful results with it in managing Japanese barberry in 2021. With the help of the Preserve's seasonal invasive species crew Alice Cole (a student at SUNY Cobleskill) and Carrson Widen (a recent graduate of SUNY Albany), we used the protocol on 39 Japanese barberry plants around Lincoln Pond—our biggest undertaking yet! Using this technique prevents the plant from going into fruit without having to mechanically remove it, allowing us to focus our time on other management efforts as opposed to repeated monitoring. This effort was crucial in suppressing the population, as Japanese barberry seeds can have a germination rate as high as 90%. Thirty days post treatment, no additional sprouts were found on the singed plants.

Next spring, we will be better able to confirm the efficacy of flame treatment to remove unwanted invasive species of woody plants at the Huyck Preserve when we observe whether or not there is regrowth of the Japanese barberry. If flame treatment proves effective here, I look forward to continuing to use this technique in controlling some of our most aggressive invasive species!



*To learn more about the invasive species management techniques we are using or to volunteer, please contact [garrett@huyckpreserve.org](mailto:garrett@huyckpreserve.org).*

# RECONSTRUCTING THE ECOSYSTEMS OF THE PAST

BY MICHELLE CIMAGLIA AND MICHAEL A. MONZON, HUYCK RESEARCH GRANT RECIPIENTS



1

*This summer,* Huyck Research Grant recipient Michael Monzon and undergraduate student assistant Michelle Cimaglia from Rutgers University dove into the environmental and ecological history of the Preserve's Lake Myosotis. By studying lake sediments and current insect diversity, the team set off to create an ecological timeline by quantifying changes in insect biodiversity. Insects' ability to move to their preferred habitats and environments allows them to be proxy indicators of a site's environmental and ecological history.

Starting in June, the team paddled across Lake Myosotis and collected sediment cores (tubes of mud) from the lake bottom near its northern end at the Ten-Mile Creek inlet. By identifying the insect species in the samples, they are trying to interpret fluvial (river and stream formation) and limnological (lake formation) geology, and the effect of the Lake Myosotis dam erection in the 19th century. This dam marks the formation of Lake Myosotis, which was a glacially plugged creek prior to this intervention. Studying the insect remains in the collected samples reveals indicators of climate and the ecological services being provided by the organisms in that time period.

Based at the Preserve's Eldridge Research Center this summer, Monzon and Cimaglia also conducted a general insect survey of the Huyck Preserve to compare current insect diversity with what was found within the different layers of the core samples. Changes in diversity in the layers would indicate a change in diversity over time. They also collected water samples for quality analyses from the lake's center surface to further assess current insect diversity, which can be heavily influenced by water quality.

Initial analysis has found ecologically sensitive midge and dobsonfly species at the Preserve, indicating that the insect diversity is consistent with a stable, healthy environment that attracts an abundance of different insect species. By comparison, waterbodies near the team's homebase in Central New Jersey contain mostly "pollution tolerant" aquatic insect species.

This biodiversity study was coupled with geologic techniques to better understand the history of this once glacial creek on the eastern edge of the Appalachian Plateau. Although the region's rock history dates from 400 million years ago, the Rutgers research team is most interested in the prior ~200 years of the Quaternary Period, which goes back nearly 2.58 million years. Exoskeletons of insects can remain structurally intact for up to approximately 2 million years in the proper environment, such as those trapped within lake sediments. Back at Rutgers, the sediment core samples collected from the lake were processed for the historical insect biodiversity study and for the geologic sedimentation study. The visual characterization of the core samples will be compared to previous sediment data collected at the Huyck Preserve in 1968. This prior study at the Preserve described streaks of copper-red in the samples which the Rutgers team also observed and which have been identified as bioturbation. Bioturbation occurs when soil-burrowing animals disrupt the sediment layers' natural stratification through digging. This



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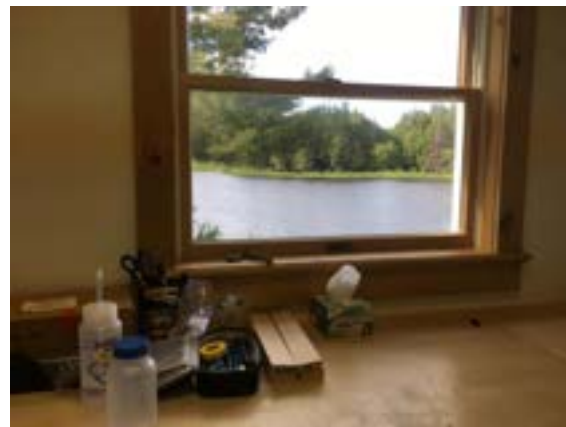
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1) Lake sediment cores awaiting analysis. Photo by Michael Monzon. 2) Mike Monzon begins to process a Lake Myosotis core at the Rutgers University Department of Entomology. Photo by Michelle Cimaglia. 3) Core sample that has been split showing likely bioturbation inclusions starting at 12cm and continuing to the bottom. These inclusions are seen as reddish and tan areas within the core and are caused by animals burrowing into the soil. Photo by Michelle Cimaglia



allows oxygenated water and “newer” sediments into older, lower levels and prevents discernable sediment horizons. Future work will use carbon-14 dating to determine how old the sediments are and how long it took to deposit the layers.

Very few Quaternary studies focused on insects have been conducted in this region, or the United States at large. This study is also an important example of how cross-departmental investigations can create cooperation between scientists with diverse interests. The Huyck Research Grant has been pivotal by providing Monzon and Cimaglia the opportunity to demonstrate how the skills of entomology can be successfully integrated into geology-based studies in the northeastern United States. As many regulars of the Huyck Preserve have observed, the area is teeming with diverse wildlife (like the beaver that swam between Monzon and Cimaglia's kayaks!). The results of their preliminary study provide evidence that preserved ecological regions like the Huyck Preserve are an essential stabilizing component of regional environments.



*Our team's picturesque workstation at the Huyck Preserve's Eldridge Research Center laboratory overlooking Lincoln Pond. Working with a beautiful view like this is truly a privilege. Photo by Michelle Cimaglia*

Michelle Cimaglia is an undergraduate at Rutgers University in the Earth and Planetary Sciences department.

Michael Monzon is a graduate student in the Graduate Entomology Program at the Rutgers University School of Graduate Studies. Mike focuses on interdisciplinary ways to use insects as proxies of human health and well-being by using techniques drawn from forensic science, geology, archaeology, agricultural science, environmental engineering, and molecular biology. For the current academic year, Mike is serving as a Fulbrighter in the laboratory of Dr. Philip Buckland at Umeå University in northern Sweden through a Fulbright Sweden Open Research Award.

*This project is being advised by Lauren Neitzke-Adamo, Ph.D., Director of the Rutgers University Geology Museum and George Hamilton, Ph.D., Director of the Rutgers Integrated Pest Management (IPM) program.*

## RESEARCH SPOTLIGHT

A paper written by Mark Buckner (Ph.D. student at Cornell University) and Bryan Danforth, Ph.D. (professor in the Department of Entomology at Cornell) based on their research at the Huyck Preserve on the impacts of climate change on the bee species *Macropis nuda* was recently published in the journal *Global Ecology and Conservation*. The publication can be found at [www.sciencedirect.com/science/article/pii/S2351989422001822](http://www.sciencedirect.com/science/article/pii/S2351989422001822).

## HEMLOCK CONSERVATION PROJECT UPDATE

BY ANNE RHOADS, PH.D., EXECUTIVE DIRECTOR

The Huyck Preserve is involved in cutting-edge management for hemlock woolly adelgid (HWA), an invasive forest pest that is killing entire hemlock forests. Through a grant from the New York State Conservation Partnership Program, we are testing an integrated pest management technique which will combine chemical and biological control to manage HWA. The focus of this project is on an approximately 40-acre forest stand that has been prioritized for hemlock protection because of its ecological value, importance to water quality, and value for recreation. Since chemical treatments have limitations for long-term, landscape-scale hemlock protection, we are seeking a more sustainable alternative. HWA-specific predators may be the answer, and the New York State Hemlock Initiative (NYSHI) has been intensively studying this potential. In our study, some trees were chemically treated to kill existing HWA, while others remain untreated to serve as food sources for released biocontrol insects—in our case, silverflies and *Laricobius* beetles. Long-term monitoring of tree health, and HWA and biocontrol populations will evaluate the success of the project. According to the NYSHI, this project is the first of its kind on private land in New York State. Our hope is that this work will inform future management of HWA at the Huyck Preserve, positively impact hemlock stands in the region, and serve as a model for more sustainable HWA management.

# REMINISCENCES OF SUMMERS AT BULL FROG CAMP

BY TOOTIE GREENE



*"Top of the World's Crows  
nest view of Greene Acres and  
Bull Frog Camp," mid 1920s*

*In the mid-1920s,* my grandparents Col. and Mrs. Frederick Stuart Greene (Fred and Grace), met Mr. and Mrs. Ted Huyck (Edmund Niles and Jessie Van Antwerp Huyck) in Albany and were invited to Rensselaerville for a weekend. While they were there, my grandparents were very taken with the area, and they purchased several acres on Lincoln Pond and later built their summer camp there, which they named Bull Frog Camp.

My sister Bland and I spent a part of every summer at Bull Frog Camp for many years, beginning in our childhood in the 1940s. The camp became mine on the death of my grandmother in 1969, and was sold to the Huyck Preserve in 1979. [Bull Frog Camp is now used to house Odum Interns.] Bull Frog Camp and everything connected to it was magical.

My grandmother Grace Greene was a musician, and there was always music at Bull Frog Camp when I visited. She often had a pianist named Mr. Pittman and his wife from New York City as her guests. Local doctor Anna Ward Perkins, M.D., to whom classical music was very important, made it a point to time her "house call" to look in on my grandmother, then in her 80s, when Mr. Pittman was there so she could leave her medical responsibilities behind for a half hour to listen to Chopin and Brahms. My grandmother played the organ every Sunday in the Presbyterian Church. Her car was a dark-green 1938 Ford Roadster, with a rumble seat and running boards, perfect for carting my sister and me back and forth to the village and on special occasions down the road quite a-ways to Tanglewood in Lenox, MA. to a rehearsal of the Boston Symphony.



*Top: Tootie and Bland Greene with "Bruna," on the dock at Bull Frog Camp, 1944*

*Left: Col. Greene at Bull Frog Camp with pet raccoons*

*Right: Grace Greene at Bull Frog Camp, mid-1920s*

*Photos courtesy of Tootie Greene*



Activities in and around the Pond included walking the Loop (Lincoln Pond Trail) and canoeing or row-boating down to Lincoln Pond Cottage to fill our water bottles at the outdoor water pump which had better-tasting drinking water than we did at Bull Frog Camp. We also spent time at Lake Myosotis. There was a privately-maintained boathouse there which was very basic, with no amenities, but it had a little beach and canoes, about 50 yards from where the public swimming beach is today. There were no lifeguards. You took responsibility for your own behavior there, and when I became a teen, my friend Joyce Stevens and I swam across the lake and back.

Wildlife at Bull Frog Camp was sometimes a little too wild! Bull Frog Camp was not insulated in any way, and there were plenty of cracks and crevices for field mice and black snakes to find their way in on cold, rainy summer days. The side that faced Lincoln Pond was then, and is still, a flagstone terrace which ran the length of the house, with a big table for eating breakfast, and a wicker sofa. Sunny mornings found everyone outside for breakfast. One of my most vivid memories was having our dear friend, the ultra-elegant Martha Melhado and her sister-in-law for lunch. Reaching up into the cupboard near the sink to get the salad bowl, I

discovered there was a black snake of not inconsiderable size curled up inside! I completely panicked at the sight of the snake in the bowl; Mrs. Melhado remained calm and handled the situation much better than I did!

My memories of Rensselaerville in the 1940s and 1950s include visits from Mr. Moss, the local vegetable man, who came around to sell his fruits and vegetables right from his open-backed truck and trips into the village to Rice's store and to get the mail at Mr. Britton's. The brick building on the corner of Route 85 and Main Street was a laundry in those early days, and there was the crisp smell of a hot iron and starch when you walked past. In later years, that building was beautifully done up by "P.L." and Katharine Huyck Elmore for their "town" house. Very special for a young person was going to Mrs. Jessie Van Antwerp Huyck's for lunch or tea at her beautiful house on Pond Hill Road across from Lake Myosotis [the building that is now the Carey Institute for Global Good's "Huyck House"]. We would have had tea outside on Mrs. Huyck's porch if it was warm enough. Mrs. Huyck always had interesting people staying with her, including writers, international travelers, and public figures. One woman who I remember was a Chinese student from Wellesley College who joined us for tea as well as picnics and outdoor parties.

The Huycks introduced my family to Rensselaerville and its natural beauty, as they did for so many. The community, and community spirit, they fostered with their hospitality and generosity should not be lost. My time at Bull Frog Camp as a child was the happiest of my life.



*Grace Greene reading to granddaughters Tootie and Bland Greene at Bull Frog Camp, 1944*

*Tootie and Bland Greene feeding the geese at the Biological Research Station at Lincoln Pond, 1944*

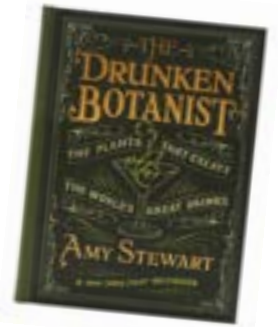
## WINTER READING LIST

The scientists, staff, and Board of Directors of the Huyck Preserve recommend their favorite reads for the coldest season.

### *The Drunken Botanist: The Plants That Create The World's Great Drinks* by Amy Stewart

“This fascinating mix of botany, chemistry, history, and mixology is a captivating read. The author explores the amazing variety of herbs, fruits, flowers, and fungi that humans have contrived to transform into alcohol throughout history. Included are several beverage recipes and tips for successfully growing the plants, and endlessly amusing sidebars on topics such as ‘bugs in booze.’”

-Robert Matthews, Ph.D., Huyck Research Grant Recipient



### *Entangled Life* by Merlin Sheldrake

“This book was read by the Odum interns this past summer with a student leading a discussion of a chapter each week. This is the story of the amazing fungal kingdom—one of the most dynamic and exciting fields in science today. The explorations of fungal intelligence, fungal networks, hallucinogenics, and many more topics are artfully written and insightful. Revelatory insights into the diverse lives of fungi appear in every chapter including remarkable new paradigms on evolution.”

-Jon Titus, Ph.D., SUNY Fredonia, 2022 Huyck Preserve Senior Research Fellow

### *The Secret Lives of Bats* by Merlin Tuttle



“Mr. Tuttle’s memoir has stories from his research around the globe, and includes dozens of incredible color photographs that illustrate how undeniably gorgeous bats around the world are. The book is filled with adventurous, often hair-raising accounts of his work in caves, deserts, jungles, and everywhere in between.... The book is perfect for anyone interested in learning more about bats, from budding bat biologists seeking inspiration to experts in the field, or someone merely interested in a memoir filled with danger and passion for their life’s work.”

-Jonathan Townsend, Ph.D. Candidate, University at Buffalo, Huyck Research Grant Recipient

*This excerpt is from a book review originally written for the Roger Tory Peterson Institute of Natural History.*

*It is reprinted with the author’s permission*

### *Growing Up Human: The Evolution of Childhood* by biological anthropologist Brenna Hassett

“Wonderful read full of humor while still being serious science”

-Alexandra van Horne, Board of Directors President





# HUYCK PRESERVE 2022 HAPPENINGS AT A GLANCE



Top: Attendees at the Annual Benefit Gala; Chris Schiralli leads a spring hike; Community members enjoy a potluck before the last Thursday Night Lecture  
Bottom: Kelly Martin shows an owlet in her care to a field trip; Preserve Director Anne Rhoads, Ph.D. teaches about forest health to middle school students; Ecologist Priscilla Titus directs volunteers at the native garden planting; Board members Mame Kennedy Schrager and Alexandra van Horne plant shrubs in the native garden

## IMAGES FROM OUR MEMBERS



Watercolor Painting of a Stone Wall © Karen Ladley



Heron by the East Shore of Lincoln Pond  
© Joel Kleinberg



Red tailed hawk © Lynn Wetterau



Cap'n Peaches © Kelli Gossou, June 2022



Rensselaerville Falls  
© Alicia Brink



© Sandra DiNoto



Eagle on Lincoln Pond  
© Sarah Nelson



View from Lincoln Pond Trail © Cortney Graham



Fall Scene on Lake Trail West  
© Theresa S. McMahon

## UPCOMING EVENTS

# MONTHLY EVENTS

All events meet at the **Eldridge Research Station, 284 Pond Hill Road, Rensselaerville, NY** unless otherwise noted.

**Registration is required for some events.**

Please see our website at [www.huyckpreserve.org/events](http://www.huyckpreserve.org/events) for event details and [www.huyckpreserve.org/event-registration](http://www.huyckpreserve.org/event-registration) to sign up. Email [info@huyckpreserve.org](mailto:info@huyckpreserve.org) with questions.

## NOVEMBER

### PRE-COLONIAL HISTORY OF THE PRESERVE

SATURDAY, NOVEMBER 5 | 1 PM

Follow Justin Wexler of Wild Hudson Valley on a guided hike to learn about the pre-colonial history of the Preserve and use of the land by the Mohicans.

*\$10 for non-members; \$5 for members*

### MAKE A WILDLIFE EMBROIDERY CRAFT

SATURDAY, NOVEMBER 19 | 1 PM

Learn the basics of embroidery by making an animal-themed embroidery hoop decoration.

*\$10 supply fee for non-members; \$5 for members*

## DECEMBER

### HOLIDAY OPEN HOUSE

SATURDAY, DECEMBER 3 | 10 AM - 1 PM

Join us for a holiday craft, treats, and hot chocolate at the Visitors' Center!

## STAY TUNED!

For updates, please see our events page at [www.huyckpreserve.org/events](http://www.huyckpreserve.org/events) or follow us on Facebook for event postings.

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## WINTER FEST RETURNS!



SAVE THE DATE!

FEBRUARY 4 | 11 AM - 2 PM

Winter fun for the whole family!

Festivities include an artisan market, educational demonstrations, s'more making, snowshoeing, and sledding (weather permitting).



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# HUYCK PRESERVE and Biological Research Station

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Membership year is May 1 - April 30

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