

HUYCK PRESERVE
AND BIOLOGICAL RESEARCH STATION

Celebrating 80 Years as a Biological Research Station

SPRING 2018 | VOLUME 41; EDITION 1



Myosotis Messenger

Letter from the Director of Conservation and Education



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Summer is always a busy season at the Huyck Preserve, full of seemingly endless fun, community, and learning. This summer is especially remarkable as it marks the start of a significant year for the Preserve: the kickoff of our celebration of 80 years of scientific research. In 1938, with the support of our founder, Jessie Van Antwerp Huyck, the biological field station was established (you will read more about that later in an article by our historian, Huyck descendant, and former board member, Laura Stephenson Carter). Since those early days, researchers from near (e.g. Albany and Cobleskill) and far (e.g. Germany) have been returning to the Preserve to carry out their work in our forests, fields, streams, pond, and lake. Recent and past researchers share some reflections on time spent at the Preserve on pages 6 and 7. Our Scientific Advisory Committee (SAC) is the behind-the-scenes leadership instrumental in that effort – reviewing every submitted research proposal for its merit and value to the scientific community, the Preserve, and, indeed, the world. We thank the current team (Chairperson Dr. Will Eldridge, Huyck Preserve Board of Directors and Aquatic Habitat Biologist at Vermont Fish and Wildlife; Dr. Mary Beth Kolozsvary, Siena College Department of Environmental Studies; Dr. George Robinson, University at Albany Department of Biological Sciences; Dr. Matthew Schlesinger, New York Natural Heritage Program; and Dr. Kerry Woods, Bennington College Department of Natural Sciences) for its work in helping to bring the largest group of researchers in recent history to the Preserve this summer: eight scientists and their field crews will be on-site!

We hope you will join us on Thursday evenings in July and August when we will have the chance to learn from this year's cohort of researchers and others at our traditional Thursday Night Lectures. If you have never been or haven't been in a while, be sure to stop by – and bring a dish, a friend, and your appetite – we're bringing back the potluck dinner to the series! Other opportunities to interact with our scientists will occur through weekend presentations and hikes – check our events calendar on pages 9 and 10 for a full schedule of these events. In addition, high schoolers enrolled in our new Wildlife Ecology Day Program will get in-the-field, small-group lessons on ecology and research methods from this group of knowledgeable researchers.

In fact, authentic scientific research informs all of our educational programming, and this summer we will continue our 70-year tradition of offering classes for all children entering kindergarten through 12th grade. We are looking for curious students who enjoy exploring the outdoors, meeting new friends and who want to learn how science can help us better understand the world around us! We know it's never too early or too late to engage a child's love of learning and love of nature, and we can't wait to work with this year's kids.

Remember, this is just the beginning of our 80 years of research celebration! Stay tuned for special events throughout the year, and to a culminating celebration in summer 2019 – the anniversary of the first official research field season. Join us!

-Anne Rhoads, Ph.D.

About the cover image:

Prior to the Research Station days, the Eldridge Center operated as a farm and sawmill. Image circa 1893.

Letter from the Board President

As we usher in a new season, we reflect on our recent successes. Our greatest accomplishment of the winter was receiving accreditation from the Land Trust Alliance, a national land conservation organization that supports land conservation efforts across the country. Accreditation recognizes that the Preserve has demonstrated sound finances, ethical conduct, responsible governance, and lasting stewardship of its land.

This new status has been years in the making and is thanks to my fellow dedicated board members as well as Preserve staff. The accredited label affirms our commitment to the Preserve's 87-year mission. Now, more than ever, we will



move into the future protecting the lands of the Ten-Mile Creek watershed, while connecting our members and visitors from near and far with nature through science, education, and recreation.

This new relationship has already made the Preserve stronger by improving our governance policies, providing access to new donors for support of our programs, and identifying resources for the best possible management of the Preserve now and in the future. Accreditation is an important step forward in furthering our ability to meet the challenges of the ever-changing world in which we live, and we are energized to keep doing the work we do with your support.

-Susan Kessler



The popularity of the Winter Festival did not fail this year! With over 15 vendors and 100 visitors, there was much to do and see on this brisk February day. As usual, the snow luge took the cake for favorite kid activity.



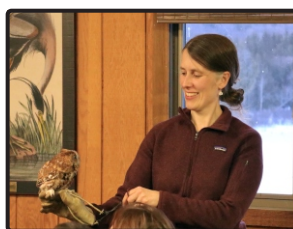
Our Candlelight Night Hike on February 17th was a luminous success as we welcomed about 85 guests to walk the trails at dusk, shimmering with the help of nearly 200 luminaries. Meanwhile, the inside of Eldridge Research Station was transformed by old-time tunes and the smell of freshly baked cookies.



We were pleased to welcome back David Muska of Ondatra Adventures for a special Winter Tracking event on January 20th! At this event, David took guests on a walk through the trails to identify various animal tracks and shared techniques to develop or refine one's tracking skills.



Right, Director of Conservation and Education, Dr. Anne Rhoads, holds a screech owl at our March 24th Owl Prowl. At this event, guests had a chance to visit with live owls and then headed to the outdoors to listen for owl calls.



The Early Years of a Biological Research Station

BY: LAURA STEPHENSON CARTER

Soon after the Huyck Preserve was founded in 1931, the board of directors began debating whether the property should have a greater purpose than just being used for hiking, swimming, and picnicking. Some wanted it to be purely recreational; others thought it should be a game preserve and forest management area; and a few suggested it become an educational project. But the idea that eventually caught on was to develop a biological research station that could co-exist with the Preserve's recreational facilities.

A remarkable cast of characters—a veritable who's who in biology—were involved in developing the station. One of the earliest was ecologist and ornithologist **William Vogt** (1902-1968) who worked for the National Association of Audubon Societies and published the popular book *Road to Survival* (1948), which linked environmental and overpopulation problems and inspired generations of ecologists including Paul R. Ehrlich. Ehrlich wrote the controversial book *The Population Bomb* (1968) and won the Crafoord Prize (1990), biology's equivalent to the Nobel Prize.

In 1936, Vogt suggested to his good friend **Jessie Huyck** that she and the Preserve's board of directors contact Cornell biologist **William J. Hamilton Jr.** (1902-1990) for advice. So, in 1937, Hamilton was invited to spend part of the summer in Rensselaerville to assess the possibility of doing biological research at the Huyck Preserve.

By the end of his visit, Hamilton had determined that the Preserve most definitely had scientific value and recommended that a biological research station be established. Plenty of people agreed with him. On September 24, 1938, the board voted to establish a research station for a three-year trial. Hamilton was charged with assembling a Scientific Advisory Committee (SAC) that would hammer out a plan for the research station as well



Dozens of scientists launched their careers at the Huyck Preserve.
Pictured here are Donald Griffin, Eugene Odum, Charlotte Raney, and Ed Raney, circa 1939.

as choose the scientists who would work there. He brought together some of the leading biologists of the day.

Among the people he enlisted for the SAC were the eminent herpetologist **G. Kingsley Noble** (1894-1940) and evolutionary biologist **Ernst Mayr** (1904-2005) both of whom were scientists at the American Museum of Natural History in New York City. Noble was a pioneer in linking animal behavior to physiology, endocrinology, and neurology; and curator of herpetology (amphibians and reptiles) at the museum. Mayr was often referred to as “the Darwin of the 20th century” and is best known for clarifying how a new species forms and adapts to changes in its environment. Mayr was the first ever to win the three awards that make up the triple crown of biology—the National Medal of Science (1970), Balzan Prize (1983), and the Crafoord Prize (1999) for his “fundamental contributions to the conceptual development of evolutionary biology.”

In 1939, the SAC chose the Preserve's first resident naturalist—**Eugene Odum** (1913-2002) from the University of Illinois. He later became one of the giants in ecology and founder of ecosystems ecology. In 1987, he and his brother Howard T. Odum won the Crafoord Prize “for their pioneering contributions within the field of ecosystem ecology.”



Researcher Arthur Schlaifer is pictured installing a cage in Lincoln Pond to study schooling behavior of fish, circa 1941.

The SAC also selected the summer research fellows. The first ones chosen to work with Odum were **Edward C. Raney** (1909-1984), who had completed a Ph.D. at Cornell, and **Donald Griffin** (1915-2003), who was finishing a Ph.D. at Harvard.

Raney spent several summers at the Huyck Preserve where he did his classic work on the food chain in lakes. He later became a professor of conservation at Cornell and a leading ichthyologist (a zoologist who studies fish); his students are among the leaders in ichthyology today. Griffin became famous for discovering bat echolocation based on his early work at the Preserve. His crude laboratory was in an old barn that was renovated years later into what is now the Eldridge Research Center.

In 1942, at the end of the three-year trial period, the board voted to make the research station permanent. Since then, the Preserve has provided protected research sites as well as modest stipends and housing to scientists who are exploring the natural world. And it has launched the careers of dozens of scientists.

Some of them included **Sherman C. Bishop** (1887-1951) who became one of the foremost authorities on salamanders in the United States and author of the definitive *Handbook of Salamanders* (1943); French-Canadian plant ecologist **Pierre Dansereau** (1911-2011), an internationally recognized scientist in the fields of forest dynamics, plant ecology, and environmental science, and author of *Biogeography: An Ecological Perspective* (1957), which helped to cement his place as one of the fathers of modern ecology; and ornithologist **Francis Harper** (1886-1972) who conducted one of the earliest studies on the problem of disappearing species—the landmark survey *Extinct and Vanishing Mammals of the Old World* (1945)—and is also known for his lifelong efforts to protect Georgia's Okefenokee Swamp.

In the 1960s, ecologist **Gene Likens**—the first to establish links between the burning of fossil fuels and acid rain—studied zooplankton and the limnology of the Preserve's Lincoln Pond. He founded the Cary Institute of Ecosystems Studies (Millbrook, N.Y.) in 1983 and, in 2001, received the National Medal of Science for his contributions to ecology.

In the 1970s, medical entomologist **Louis Magnarelli** (1945-2013) studied mosquitoes at the Preserve. He went on to develop the first blood tests for Lyme disease, worked with other insect-borne diseases, and was appointed Connecticut's State Entomologist and director of the Connecticut Agricultural Experiment Station. Cornell biologist **Tom Eisner** (1929-2011), a world-renowned authority on animal behavior, chemical ecology, and evolution, studied colonies of woolly alder aphids (*Pociphilus tessellatus*) that were being guarded by ants—the ants drank their honeydew and, in return, protected them from wasps and other insects. Such ant shepherding behavior wasn't unusual, but Eisner discovered that some of the aphids



Eugene Odum is pictured in the upstairs of the Research Station, previously a barn, preparing fish scale mounts, circa 1941.

weren't aphids at all. The imposters were green lacewing larvae (*Chrysopa slossonae*) that disguised themselves by dressing with bits of wool they had plucked off the aphids. These "wolves in sheep's clothing," as Eisner called them, then attacked and killed the aphids, and sucked them dry, without being noticed by the guardian ants.

Other Preserve scientists included University of Binghamton professor **Stimson Wilcox** who, in the 1980s, studied how water striders manage to walk on water. He was later featured on the PBS program *Scientific American Frontiers* for his work with jumping spiders.

And the list goes on with graduate students, postdoctoral fellows, and senior scientists coming to the Preserve each year to explore the nuances of nature. Whether they are studying slave-making ants, earthworms, salamanders, fish, birds, mammals, or the decomposer food web, the Preserve's scientists are helping to unlock the mysteries of nature piece by piece.

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Laura Stephenson Carter is a science writer and edits a publication at the National Institutes of Health, in Bethesda, Maryland (<https://irp.nih.gov/catalyst/>). She is a former board member of the Huyck Preserve and working on a history of the organization. You can read this story and more on her blog at <https://lscnews.wordpress.com/>.

Researcher Reflections

READ WHAT PAST AND PRESENT RESEARCHERS ARE SAYING ABOUT THEIR EXPERIENCES AT THE HUYCK PRESERVE



If you have not yet begun your work here, what will doing work at the Preserve allow you to do, or what are you most looking forward to?

"I am incredibly excited to have the opportunity to dig deeper into the fascinating behaviors of *Xylocopa virginica* at the Huyck Preserve. Working at the Preserve will allow me to gain independent experience in the field, mentoring my undergraduate assistants and problem solving on the fly – all while working with a beautiful, native bee species! I am also excited to continue to expand my science outreach initiatives at Huyck, by interacting with the local community back in my home state of New York. I love having so many different kinds of opportunities to share the wonderful world of research and native bees with others."



-Meghan Barrett
Drexel University
2018 Huyck Grant Recipient

What is the value of a Huyck Research grant?

"I think the value is twofold. One that I can treat my project as both a hypothesis



test and also as a pilot study. My hypothesis was relatively small scale and so would typically only fit under a larger funded project alongside several similar hypotheses. Writing large grants is very time consuming and often with low success rates. What Huyck offers in this case is having a tested hypothesis and a data set that justifies a larger funding pursuit. I find the other value of the grant and Huyck in general from a parent perspective. Huyck is a great place to work from. It's quiet and stimulating for work. But, it also provides the opportunity for me to bring my family with me if needed. Knowing that my family is nearby exploring nature while I'm collecting data is really the best of both worlds."

What was the highlight of your time here?

"Several. The biggest part for me was getting back into the ecosystem that I love the most. Being from upstate New York and spending a lot of time in the mixed-deciduous forest, Huyck just felt comfortable. As an early career wildlife ecologist, it's important to get back to the place where you first fell in love with what you do. Huyck helped me do that."

-Scott LaPointe
Columbia University, Lomont-Doherty Earth Observatory
2018 Huyck Grant Recipient

What impact did doing research at the Preserve have on your career?

"While I have not conducted research at the Preserve yet, my planned research in Summer of 2018 will bolster my career with personal understanding of the ecology and evolution of photosynthesis in lycophytes and hopefully will result in a published manuscript."

What is the value of a Huyck Research grant?

"The intrinsic value of a Huyck Research grant is more valuable than the financial aspects. I think that this grant will allow me to study my topic of interest in more detail than I would be able to without it, which brings me closer to answering some of my broader questions about evolution as a whole."

If you have not yet begun your work here, what will doing work at the Preserve allow you to do or what are you most looking forward to?

"I am looking forward to exploring the Preserve and getting a sense of its diversity. I think that working at the Preserve with all the other scientists will foster a sense of camaraderie and hopefully yield some future collaborations."

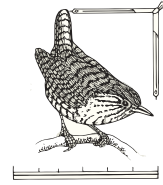


-Jacob Suissa
Harvard University
2018 Huyck Grant Recipient



"Doing research at the Preserve was truly a boost to my career; it helped me secure my first permanent research position, at The Jones Center at Ichauway. The hemlock grove where I did my research is a magical place. As the Senior Research Fellow I worked with talented Odum Interns, and it has been my privilege to assist several of them with their careers in biology by being a reference. I was amazed to learn the history of the region: the Dutch influence, the manor system and the patroons, and the anti-rent wars in the 1800's. I love the sense of deep history about the place."

-Seth Bigelow
Jones Center for Ecological Research
2015 Huyck Preserve Senior Research Fellow



"The Huyck Preserve has been valuable both as an environment to study natural processes and as a supporter of such science. The space, the grant, and additional aid provided by Adam and the Huyck Preserve staff has made it a pleasure conducting remote-sensing studies of white spruce phenology. I look forward to the upcoming season that will include using cutting-edge technology for data collection as well as joining some of the great community events hosted by the Preserve. A personal favorite was the wildlife tracking workshop held this past winter. It's a great place to be!"

-Clare Gaffey
University at Albany
2018 Huyck Grant Recipient

...and a testimonial from one of Seth's interns whose Huyck experience has helped launch her future in research:

"The Preserve was an amazing experience for me! It was my first field-research experience, and Seth (my mentor) taught me so much about the basics of statistics, field-research in general, writing a scientific report, and presenting my research. My favorite memories of the Preserve were early in the morning, eating breakfast on the porch and watching animals outside on the lake, and my first day on the Preserve, watching deer and the muskrats outside of my bedroom. I loved my fellow interns as well, and we had an amazing time together. Lastly, working on the MAPS project was the hidden gem of the experience. I never expected to enjoy interacting with birds so much, and it really broadened my perspective on what I wanted to research, what I enjoyed and on my future in research in general. I am so thankful for my time there; I learned so much, and it showed me that field research was what I wanted to do!"

-Natalie Myers
Occidental College
2015 Huyck Preserve Odum Intern



The Huyck Preserve wants to congratulate and thank Cameron Baitsholts, former lifeguard, for an outstanding Eagle Scout Project. Cameron built log benches and a new picnic table, and installed new barbecue grills for our lake patrons.

PLEASE COME ENJOY A PICNIC TO SEE THE IMPROVEMENTS MADE TO OUR WATERFRONT AREA ON THE BOAT LAUNCH SIDE!

In April, we received a \$32,000 grant through the New York State Conservation Partnership Program to create an invasive species management plan in partnership with the Vassar Ecological Preserve. The project will involve several public events over the two-year period, so stay tuned for updates!

Huyck Preserve Board of Directors Honors Jerome G. Rozen Jr., Ph.D.

BY: LAURA STEPHENSON CARTER

The E.N. Huyck Preserve Board of Directors honored Jerome Rozen at its winter meeting in New York City this year. Jerry, who is a world-renowned entomologist and bee expert at the American Museum of Natural History in New York, is a great friend of the Huyck Preserve. He joined the board of directors in 1984 and served on—and later chaired—the Scientific Advisory Committee, which chooses scientists to be awarded grants to support their research at the Preserve. He has also generously hosted the winter board meetings at the museum. Jerry became an honorary board member in 2008.



Jerry Rozen travels all over the world to study solitary bees. Here, he's in the Arizona desert demonstrating—to students in the Bee Course—how to excavate the nest of a solitary bee. Behind him is Corey Smith, a scientific assistant who works with him at the American Museum of Natural History.

Jerry's affiliation with the Huyck Preserve began in 1978 when he discovered a rare solitary bee—*Macropis nuda*—on Pond Hill Road and at Lake Myosotis near the dam. Other *Macropis* bees had been discovered in Russia in the 1920s, but none had been found in North America before. Solitary bees don't build hives like honeybees. Instead, each female solitary bee builds a tiny nest—containing one or more brood chambers—in the ground, packs each chamber with food, and then lays her egg in it. The eggs develop into larvae and emerge as adults the following spring. In the 1990s, when work was being done on the Lake Myosotis dam, a temporary barrier was erected to protect the nesting site.

Jerry also studies cleptoparasitic bees that lay their own eggs in the nests of solitary bees. The cleptoparasite larva emerges before the host egg hatches, kills it, and consumes the provisions. Several years ago, Jerry found a specimen of the rare *Epeoloides pilosulus* bee that parasitizes the *M. nuda* nest—in eastern Pennsylvania. So far, he has been unable to find the parasitic bee at the Preserve.

Jerry got his training in bees as an undergraduate at the University of Kansas, where he studied under the world famous bee expert Charles D. Michener, who later authored *Bees of the World*. After obtaining his B.A. (1950), Jerry went on to earn his Ph.D. from the University of California-Berkeley (1955). In his first job, he worked on beetles—for the U. S. Department of Agriculture at the Smithsonian Institution (1956-1958) and then as an assistant professor at Ohio State University (1958-1960). He returned to specializing in solitary and cleptoparasitic bees when he joined the American Museum of Natural History, in 1960, as Chair of the Entomology Department and Associate Curator (he became Curator in 1965).

The Preserve has benefitted from Jerry's expertise in overseeing field stations. As the museum's Deputy Director for Research (1972-1986), he was responsible for its field stations—Lerner Marine Lab in the Bahamas, the Kalbfleisch Field Research Station on Long Island, the affiliation with the Archbold Biological Station in Florida, and the Southwestern Research Station (SWRS) in Arizona. He has served in other leadership positions including as president of the Organization of Biological Field Stations and of the New York Entomological Society. In 1999, he organized the annual Bee Course at SWRS to train biologists worldwide on bee systematics and biology. He has continued to travel all over the world for his own research and has published more than 150 journal articles. Thanks to Jerry, the museum has one of the largest, if not the largest collection of bees, bee eggs, larvae, and pupae of any institution in the New World.

We are grateful that Jerry is part of the Huyck Preserve family and that he has so generously shared his enthusiasm, expertise, and knowledge to help make the Preserve, its Board, and its Scientific Advisory Committee strong. His contributions have been vital to our mission.

8 Thank you, Jerry.



Jerry Rozen checks the *Macropis nuda* nesting site at Lake Myosotis whenever he's in Rensselaerville.

Former board member, Laura Carter, accompanied him on one of his recent expeditions.

2018 Spring and Summer Programming

ALL EVENTS TO MEET AT ELDRIDGE RESEARCH CENTER (284 POND HILL ROAD) UNLESS OTHERWISE NOTED.
TO REGISTER FOR THESE EVENTS, PLEASE CONTACT INFO@HUYCKPRESERVE.ORG

May

SPOTLIGHT ON SCIENCE: SLAVE-MAKING ANT DISCUSSION AND SITE TOUR

Saturday, May 26 | 1:00 pm

Researchers Marah Stoldt and Suzanne Foitzik of Johannes Gutenberg University in Mainz, Germany, will bring visitors on a tour of their slave-making ant research plot and discuss the long-term research on the fascinating behavior of these creatures.

Suggested donation of \$5 | Members and children under 12 free

June

VOLUNTEER TRAIL CLEANUP

Saturday, June 9 | 10:00 am

Rain date: Sunday, June 10th

Help us tidy up our trails from the winter melt! We'll also be preparing the trails for the Rensselaerville Ramble taking place the following weekend. Be a steward: grab your nippers, a pair of gloves and join us for this family-friendly and community-building event!

SPOTLIGHT ON SCIENCE: 40 YEARS OF CHANGE IN AN OLD-GROWTH HEMLOCK STAND

Sunday June 10 | 1:30 pm

Researcher Jim Runkle will bring visitors on a tour of his long-term hemlock research plot and discuss his findings on these magnificent evergreens.

Suggested donation of \$5 | Members and children under 12 free

BIRDING HIKE

with PHILIPPA DUNNE

Saturday, June 30 | 9:30 am

Join local member and birder Philippa Dunne for a hike to listen to the springtime calls of our avian friends.

Suggested donation of \$5 | Members and children under 12 free

July

MOHAWK HUDSON LAND CONSERVANCY HIKE-A-THON AT HUYCK PRESERVE

with KELLY MARTIN

Saturday, July 21 | 10:00 am

Come hike the Huyck as part of MHLC's annual Hike-a-thon event! Kelly Martin, local animal rehabilitator, will lead participants on a light walk and then conclude with a close look at her rescued animals.

All welcome!

Head to www.mohawkhudson.org/hike-a-thon-2018 for more details

POT-LUCK AND EVENING HIKE AT LAKE MYOSOTIS BEACH

Friday, July 27 | 6:30 pm

Enjoy a relaxing evening with community members and friends with a shared meal at the lake and evening hike on the night of the full moon. We will provide beef and veggie burgers as well as s'mores for toasting. We hope you join us for this fun mid-summer event!

All welcome | Please bring a dish to share

August

SCIENCE SYMPOSIUM AND ENVIRONMENTAL MONITORING WORKSHOP

Saturday, August 4 | 1:00-4:00 pm

Join us for a roundtable discussion about environmental monitoring led by experts in the field.

EXPLORING GEOLOGY AT THE HUYCK PRESERVE

with CHARLES VER STRAETEN

Saturday, August 25 | 10:00 am

The rocks of Rensselaerville record local history from long before dinosaurs. Explore the local geology and deep-time history on a walk along the falls with Dr. Charles Ver Straeten of the New York State Museum. Semi-rugged walk; sturdy footwear required

Suggested donation of \$5 | Members and children under 12 free

Meet at the Visitor's Center (5052 Delaware Tnpk, Rensselaerville)



Annual Events

RENSSELAERVILLE RAMBLE TRAIL RUN & WALK ELDRIDGE RESEARCH CENTER Saturday, June 16 | 9:00 am

Choose between a 2-, 5-, or 8- mile route in this run-for-all-ages recreational event! This third annual joint fundraiser between the Huyck Preserve and Rensselaerville Library takes runners and walkers on some of the most beautiful, underused trails at the Preserve. Participate alone or join as a team with family or friends for an added discount. Awards given to best times in each distance category based on age and gender.

Learn more and sign up at <http://bit.ly/rvillramble>

MEMBERSHIP MEETING ELDRIDGE RESEARCH CENTER Saturday, June 30 | 1:00 pm

Meet with board members and cast your vote at the annual board election. Guests will also get the chance to learn about the current and future state of the Preserve.

ANNUAL BENEFIT August 2018 Details TBD

Our annual benefit includes dinner, live music, and a silent auction of fine products from local businesses and artists.

More details and formal invitation to follow.



Ongoing Programs

THURSDAY NIGHT LECTURE SERIES ELDRIDGE RESEARCH CENTER Pot-Luck at 6:30 pm | Lecture at 7:00 pm July 12, 19, & 26 August 2, 9, & 16

Gather at the Research Center every Thursday night for an engaging lecture series following a communal, pot-luck meal. Various presenters will bring their knowledge on an array of natural history and science topics.

*Please bring a dish to share or a suggested donation of \$5.
Full lecture schedule to be announced.*

WILDLIFE FAMILY HOUR ELDRIDGE RESEARCH CENTER TUESDAYS | 10:30 - 11:30 am July 10, 17, 24, & 31 August 7 & 14

Make Tuesday mornings even better with nature walks, basic plant identification and up-close encounters with wild animals! This program is run by local wildlife rehabilitator, Kelly Martin.

FAMILY STORY TIME AT THE LAKE WITH RENSSELAERVILLE LIBRARY LAKE MYOSOTIS BEACH Wednesday, July 11 & 25 | 4:30 pm Wednesday, August 15 & 29 | 4:30 pm

What better way to spend a mid-week summer afternoon than to enjoy stories at the Lake!

SWIMMING LESSONS LAKE MYOSOTIS BEACH

Session I: July 9-20, MWF | 10:30 am
Session II: July 23 - August 3, MWF | 10:30 am
Cost: \$25, members | \$35, non-members

Join us for our longest-standing program! Swim lessons have been helping local and non-local kids to swim since the '40s. Sign your child up today for this great Huyck learning tradition!

Please contact info@huyckpreserve.org for more information and to register.

Summer Education at the Huyck Preserve



MORE INFORMATION LOCATED ON OUR WEBSITE:
WWW.HUYCKPRESERVE.ORG/SUMMER-PROGRAMS

Nature Study

Grades K-2: July 9-13 | 1:00 - 4:00 pm

Grades 3-5: July 16-20 | 1:00 - 4:00 pm

This program introduces elementary school children to nature through a week-long, half-day program. Students spend time outside experiencing nature and exploring the trails and water's edge, while learning basic principles of biology.

\$50 members; \$100 non-members

Please contact anne@huyckpreserve.org for more information and to register.



Natural History Day Program (NHDP)

Grades 6-10: July 23-27 | 9:00 am - 4:00 pm

NHDP provides the opportunity for middle and high school students to explore the Preserve's natural treasures and ecological concepts in an immersive, hands-on format. The week-long program will introduce students to field investigations in such topics as forest, community, invasive, and aquatic ecology. Students will have opportunities to observe wildlife while learning techniques in field research.

\$225 members; \$275 non-members

Please contact anne@huyckpreserve.org for more information and to register.

Wildlife Ecology Research (WER)

** REVISED DAY PROGRAM FORMAT **

Grades 11-12: July 30 - August 10 | 9:00 am - 4:00 pm

Wildlife Ecology Research 2018 will be an intensive 2-week day program where rising juniors and seniors will learn basic ecological principles through hands-on research experience. Ecologists from colleges and universities around the region will instruct students on broad topics in ecology. WER culminates in small group research projects beginning with a question and ending with a final presentation. This program aims to provide a significant academic experience that will help students prepare for courses and research experiences at the college level while letting them explore career options in the natural sciences.

\$475 members; \$550 non-members

Please contact anne@huyckpreserve.org for more information and to register.



HUYCK PRESERVE

AND BIOLOGICAL RESEARCH STATION

2018-2019 Membership Form

Membership year is May 1, 2018 - April 30, 2019



Membership Levels

- ☐ Student \$ 25
- ☐ Individual \$ 45
- ☐ Family \$ 60
- ☐ Contributing \$ 150
- ☐ Sustaining \$ 350
- ☐ Patron \$1,250
- ☐ Benefactor \$3,000 or more

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