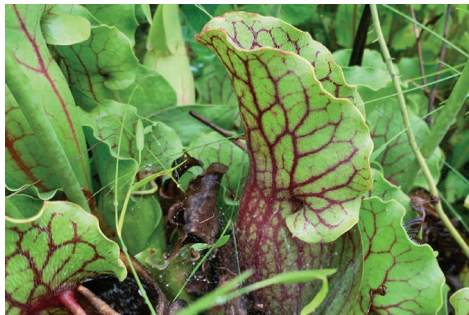
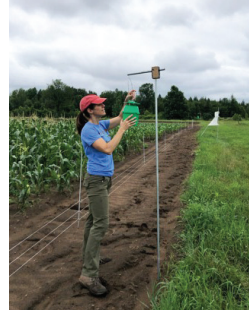




THE
NORTHEAST

NATURAL HISTORY
 CONFERENCE



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We are grateful to each of them for sharing images related to the natural history studies being presented at the conference.



NENHC 2022

Promoting the study and stewardship of the natural environment in the northeastern US and eastern Canada

Program and Participants List

April 22–24, 2022

Albany, NY



Eagle Hill Institute
www.eaglehill.us

Welcome to the 2022 Northeast Natural History Conference!

NENHC 2022 Steering Committee

Keith Goldfarb, Eagle Hill Institute
Joerg-Henner Lotze, Eagle Hill Institute
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Lisa Amati	Mary Beth Kolozsvary	Steve Young
John Anderson	Kathleen LoGuiduice	Doug Zook
Mike Bottini	Timothy McCay	
Doug Carlson	Karl McKnight	
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Thomas Horton	John Vanek	
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Scott Kellogg	Sue Williams	

NENHC 2022 has been made possible in part by the generous support from the following

Conference Sponsors and Partners

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Exhibitors and Participating Organizations

International Dark Sky Association

New England Botanical Society

NY Natural History Heritage Program (iMapInvasives)

NY State Museum

Northeast Natural History & Supply

Northern Forest Atlas Project

Rhode Island Natural History Survey

2022 Northeast Natural History Conference Overview

Friday, April 22

Field trips—pre-registration necessary.

Saturday, April 23

7:00 AM	Registration table open for NENHC
7:00–8:00 AM	Set up for exhibitors
8:00 AM	Exhibitions open
7:00-8:00 AM	Set up for Day 1 scientific posters
7:00-7:30 AM	PowerPoint preview and technology check for morning sessions
7:30-8:00 AM	PowerPoint preview and technology check for afternoon sessions
8:10 AM	Oral presentations - Session AM1
9:40 AM	Morning poster session and reception with beverages and light snacks
10:30 AM	Oral presentations - Session AM2
12:00 PM	Lunch (included for those who pre-register for the conference)
1:30 AM	Oral presentations - Session PM1
3:20 PM	Afternoon poster session and reception with beverages and light snacks
4:10 PM	Oral presentations - Session PM2
5:20-6:00 PM	Take down of scientific posters and exhibitor displays
5:20–6:15 PM	Open networking session with cash bar and finger foods.
5:20–6:15 PM -	Ecological Research as Education Network (EREN) Social.
5:20–6:15 PM	Paleontology Networking session.
6:15 PM	Plated dinner and socializing - ticketed event

Sunday, April 24

7:00 AM	Registration table open for NENHC
7:00–8:00 AM	Set up for exhibitors
8:00 AM	Exhibitions open
7:00-8:00 AM	Set up for Day 2 scientific posters
7:00-7:30 AM	PowerPoint preview and technology check for morning sessions
7:30-8:00 AM	PowerPoint preview and technology check for afternoon sessions
8:10 AM	Oral presentations - Session AM1
9:40 AM	Morning poster session and reception with beverages and light snacks
10:30 AM	Oral presentations - Session AM2
12:00 PM	Lunch (included for those who pre-register for the conference)
1:30 PM	Plenary Session
3:00 PM	Afternoon poster session and reception with beverages and light
3:50 PM	Oral presentations - Session PM2
5:00-6:00 PM	Take down of scientific posters and exhibitor displays

Friday, April 22	NENHC 2022 Friday Field Trips
8:30 AM–Noon	<p>Pine Barrens Restoration and Management, led by Neil Gifford, Tyler Briggs, Amanda Dillon, and Steve Campbell, Albany Pine Bush Preserve</p> <p>The Albany Pine Bush Preserve and National Natural Landmark supports one of the best remaining inland Pitch Pine–Scrub Oak barrens (PPSOB S1/G2) and habitat for over 70 NYS wildlife Species of Greatest Need. Since 1991, ecosystem restoration here to restore altered fire regimes and recover the endangered Karner Blue (<i>Plebejus melissa samuelis</i>) has been tremendously successful. The quantity of high quality PPSOB has grown to nearly 1000 ha and the annual Karner metapopulation has exceeded the federal minimum level of 3000 butterflies for 9 years and the target size of 7000 butterflies for 8 years. However, as managers transition more acreage from a restoration regime to maintenance, questions remain about the ideal fire regime. How frequently should we burn to maintain appropriate fuel loads, prevent/reduce invasive species and overabundant natives (e.g., Scrub Oak, Pitch Pine, White Pine), facilitate expansion of desirable native plants, and maintain habitat for so many rare wildlife species? If you would like to see a landscape transformed by management and help us think about its future, we hope you will join us for this field trip to the Albany Pine Bush Preserve. Participants will be required to wear masks per NYS guidelines.</p>
10:00 AM–2 PM	<p>Early Spring Flora of Joralemon Park, led by Steve Young and Rich Ring, NY Natural Heritage Program</p> <p>Join botanists Steve Young and Rich Ring to look for spring ephemeral wildflowers and early fern fiddleheads in a very diverse limestone woodland of southern Albany County. We will also discuss the uses of the park and their compatibility with preserving the flora.</p>
10:00 AM–4 PM	<p>Mosses in the Field: A Fertile, Ledgy Woods in the Taconics, led by Jerry Jenkins and Sue Williams, Northern Forest Atlas Project</p> <p>An outdoor workshop on identifying mosses in the field, starting with a moss table at Jerry's house and then going about two miles to a west-running Taconic ridges with ledges, vernal pools, fertile coves, and far more mosses than we can see in a day.</p>
12:30–1:30 PM and 1:30–2:30 PM	<p>New York State Museum Paleontology Collections Tour, led by Lisa Amanti, NY State Museum</p> <p>Registered participants will experience a behind-the-scenes tour of the Paleontology Collection with Curator Dr. Lisa Amati. The tour provides a glimpse into the vast holdings of fossils at the New York State Museum. Learn about how the fossils are organized, stored, and catalogued as well as view Museum cases full of fossils such as trilobites, cephalopods, and crinoids from the Invertebrate Paleontology Collection. Specimens of the world-famous Gilboa tree fossils from the Paleobotany Collection will also be viewed.</p>
1:00–2:00 PM	<p>Radix Ecological Sustainability Center, led by Scott Kellogg, Education Director</p> <p>Visit the Radix Ecological Sustainability Center, an urban environmental education/ecological justice advocacy non-profit in Albany. Radix has a one-acre urban farm with gardens, microlivestock, solar bioshelter, community composting, agroforestry, rain water harvesting, aquaponics, honeybees, electric cargo tricycles, and more. Learn about the work we do at the intersection of equity, justice, and ecological regeneration.</p>
2:00–4:00 PM	<p>Surveying for River Otters, led by Mike Bottini, Wildlife Biologist, Seatuck Environmental Association</p> <p>We will visit several otter latrines and discuss an efficient survey technique employed on Long Island, NY to determine the distribution of river otters there. Included in the workshop will be what are the general characteristics of otter latrine sites, where and when to focus your survey effort, and what otter sign looks like.</p>
2:30–4:00 PM	<p>New York State Museum Biology Collections Tour, led by various NYSM curators and collection managers</p> <p>Registered participants will tour the biology specimen collections, guided by the curators and collections managers. They will learn about our curatorial practices and policies, ongoing research, and see our significant holdings in botany, ornithology, mammalogy, and entomology.</p>

SAT MORNING	SATURDAY APRIL 23, 2022		
7:00	Conference Registration Opens		
7:00–8:00	Set up for exhibitors		
8:00	Exhibitions Open		
7:00–8:00	Set up for Day 1 scientific posters		
7:00–7:30	PowerPoint preview/technology check for oral morning session presentations in the room your talk will be given		
7:30–8:00	PowerPoint preview/technology check for oral afternoon session presentations - in the room your talk will be given		
8:10–9:40	Concurrent Sessions - Morning I		
	Room A	Room B	Room C
	Reptile Ecology	Natural History and Ecology of Insects: Bees, Midges, Beetles	Old, Wild, and Resilient: The Science of Wildland Forests in the Northeast
Moderator	Theodora Pinou	Karl McKnight	Shelby Perry
8:10–8:15	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:15–8:35	Kimberly Durham A Preliminary Examination into the Primary Causes of Sea Turtle Mortality in the New York Bight	Nicholas Dorian How to Study Bees without Killing Them	Ed Faison Structural Complexity, Resilience, and Mitigation Capacity of Wild Forests in the Northeastern United States
8:35–8:55	John Arnett Using Models to Identify Diamondback Terrapin Road Mortality Hotspots	Lindsey Pett <i>Metriocnemus knabi</i> Emigrates from Desiccated to Undesiccated Pitchers of <i>Sarracenia purpurea</i>	Neil Pederson Divining the Natural Resilience of Forests from the Memories of Trees
8:55–9:15	John Berkholtz Monitoring a Spotted Turtle Population Inside an Urban Landscape	Brandon Quinby Assessing Habitat Suitability in Upstate New York for Reintroduction of the Endangered American Burying Beetle	Christopher Nagy A Comparison of the Understory Vegetation Community in a Remnant Old-growth Hemlock Forest and Adjacent Second-growth Hardwood Forest in Southern NY
9:15–9:35	Andrew Powers The Impact of Development on Rattlesnakes in Connecticut: A Preliminary Study	John Pipino Fate of Carrion: Implications for Post-Release Viability of American Burying Beetles in New York	Thomas Horton A Gleasonian View of Ectomycorrhizal Networks
9:35–9:40	Q & A	Q & A	Q & A
9:40–10:30	Morning Poster Session and Reception with light snacks & beverages		

Note: abstracts for all oral and poster presentations are available on the conference website: you can access them from the left-hand menu of the website home page under Program. We will also have a printed reference copy of all the abstracts available for participant perusal at the registration table during the conference.

10:30–12:00	Saturday Concurrent Sessions - Morning II		
	Room A	Room B	Room C
	Collaborative Networked Research with Undergraduates through the Ecological Research as Education Network (EREN)	Natural History and Ecology of Insects: Robber Flies	Land-use History and Forest Communities
Moderator	Kathleen LoGiudice & Timothy McCay	Karl McKnight	Dan Farrell
10:30–10:35	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:35–10:55	Caitlin Fisher-Reid & Heather Marella MAREN: Leveraging EREN to Improve Milkweed Restoration	Charlotte Reynolds An Investigation of Winter Feeding Behavior of Snow Scorpionflies (Mecoptera: Boreidae)	Harper Loeb Using Hudson River School Paintings to Explore Historic Forest Dynamics in Eastern US Forests
10:55–11:15	Mary Beth Kolozsvary Incorporating NEON Data and Eco-Literacy Elements into Flexible Learning Projects	Karina Bellavia The Ethology and Phenology of <i>Lasiopogon currani</i> (Diptera: Asilidae) in St. Lawrence County, New York	Mariano Arias Land-use History Legacies on Myrmecochorous Plants and Epigeic Ant Assemblages in New York State Forests
11:15–11:35	Sandra Cooke & Danielle Garneau Using a Collaborative Research Network to Explore Foraging Sapsucker Tree Use Across Landscapes	Tristan McKnight Spring Ephemerals Aren't Just Plants! Population Dynamics of the Robber Fly <i>Lasiopogon Currani</i>	Amber Stearns Removal of <i>Euonymus alatus</i> Results in Increased Species Richness in Eastern Floodplain Forest, USA
11:35–11:55	Jason Kilgore Plants in a Human-Altered Environment (PHAE) Project: Students Investigating the Local Importance of Woody Plants Through Independent Hypotheses and Collaborative Data	Karl McKnight Ecological Observations of the Large Robber Fly <i>Proctacanthus philadelphicus</i> (A Bee Killer)	Dan Farrell Northern Hardwood Seepage Forests of Vermont: Conservation Implications of an Elusive Wetland Type
11:55–12:00	Q & A	Q & A	Q & A
12:00–1:30	Lunch (included for those who pre-registered for the conference)		

SAT AFTER LUNCH	SATURDAY APRIL 23, 2022		
1:30–3:20	Concurrent Sessions - Afternoon I		
	Room A	Room B	Room C
	A Multi-organism Perspective on Wildflower Meadows	Urbanization and Wildlife	Conservation, Restoration, and Community Engagement
Moderator	Conrad Vispo	John Vanek	Allyson Jackson
1:30–1:35	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:35–1:55	Claudia Knab-Vispo On-farm Native Wildflower Meadows: A Long-term Experiment	Charlotte Klurfeld The Effect of Human Activity on Wildlife in Protected Lands: A Minimally Invasive Trail Study Conducted Using Motion-activated Cameras	Mark Lesser A Rare Tree, a Rattlin' Tree: Climate and Deposition Effects on Growth of Boreal Tree Species at their Southern Lowland Range Limits
1:55–2:15	Gabril Perron Patterns of Microbial Diversity in an Experimental Wildflower Meadows Trial	Meredith Naughton Wildlife and Trail Recreation: Understanding, Managing, and Monitoring Recreation Effects in the Northeast	Jeffrey Corbin Mapping Potential Targets for Restoration of New York's Pine Barren and Sandplain Ecosystems
2:15–2:35	Carmen Greenwood Below-ground Biodiversity in a System Transitioning to Native Meadows	Bradley Cosentino Parallel Evolution of Urban–Rural Clines in Melanism in Eastern Gray Squirrels	Richard Stafursky Species' Forest Model for the Return of the Natural Landscape
2:35–2:55	Conrad Vispo Beneficials React to Wildflower Plantings, But Not Always as Predicted	Nicole Fusco Range-wide Population Structure and Migration Patterns of Eastern Gray Squirrels (<i>Sciurus carolinensis</i>) across Eastern North America	Hallie Arno Community Perceptions of River Restoration on the Megunticook River
2:55–3:15	Aswani Pai Importance of Wildflower Patches and Ornamental Gardens for Small-scale Agriculture in Northern NY	John Vanek Survival of Gray and Black Eastern Gray Squirrels translocated across an Urbanization Gradient	Allyson Jackson The Acadia Bug Project: Influence of Citizen Science Collection Techniques on Invertebrate Communities
3:15–3:20	Q & A	Q & A	Q & A
3:20–4:10	Afternoon poster session and reception with light snacks and beverages		

4:10-5:20	Saturday Concurrent Sessions - Afternoon II		
	Room A	Room B	Room C
	Amphibian Ecology	Waterbird Ecology	The Value and Need for Regional Clubs and Societies Focused on Entomology or Botany
Moderator	Theodor Pinou	John Anderson	Scott Smyers
4:10-4:15	Introduction & Overview	Introduction & Overview	Introduction & Overview
4:15-4:35	Mary Beth Koloszvary Northeast Partners in Amphibian and Reptile Conservation (NEPARC): Advancing Conservation Through Collaboration	John Anderson Changes in Nest-Site Selection in a Maine Herring Gull Colony: The View from Great Duck	Matt Charpentier The New England Botanical Society, Past and Present
4:35-4:55	Bethany Shaw Mark and Recapture? The Reading Accuracy of VIE vs. PIT Tagging for Small Terrestrial Amphibians	Logan Kline Uncertainties in Artificial Intelligence Classifications of Colonial Nesting Seabirds in Plane-based Imagery	Michael Sabourin Preserving an Entomological Nonprofit
4:55-5:15	Jay Cordeiro Mass Audubon's Spadefoot Toad, <i>Scaphiopus holbrookii</i> , Conservation Project: A 10-Year Summary of Habitat Restoration, Captive Breeding, and Translocation	Kaitlyn Maffett Monitoring the Effects of Human Disturbance on American Oystercatcher Nesting Behavior on Beaches in New York City	Scott Smyers The History, Mission, and Evolution of the Cambridge Entomological Club
5:15-5:20	Q & A	Q & A	Q & A
5:20-6:00	Take down for Day 1 scientific posters		
5:20-6:15	Open Networking Session with cash bar and finger foods		
5:20-6:15	Ecological Research as Education Network (EREN) Social		
5:20-6:15	Paleontology Networking session		
6:15	Plated dinner and socializing - ticketed event		

SAT MORNING	SUNDAY APRIL 24, 2022		
7:00	Conference Registration Opens		
7:00-8:00	Set up for exhibitors		
8:00	Exhibitions Open		
7:00-8:00	Set up for Day 2 scientific posters		
7:00-7:30	PowerPoint preview/technology check for oral morning session presentations in the room your talk will be given		
7:30-8:00	PowerPoint preview/technology check for oral afternoon session presentations - in the room your talk will be given		
8:10-9:40	Concurrent Sessions - Morning I		
	Room A	Room B	Room C
	Botany	Outlook on Advancing Invasive Species I	Invertebrate Biology
Moderator	Donna Vogler	Jennifer Dean	Jay Cordeiro
8:10-8:15	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:15-8:35	Jack Tessier Loss of Moisture from the Lack of a Snowpack Increases Winter Frond Damage in <i>Dryopteris intermedia</i>	Late Cancellation	Emly Clark Chitt Chat: An Overview of the Chittenango Ovate Amber Snail ex situ Population and Population Augmentation Project
8:35-8:55	Jay Kelly Population Ecology of the Endangered Hemiparasitic Plant Species, <i>Schwalbea americana</i> , in the New Jersey Pine Barrens	Craig Frank Increased Resistance to White-Nose Syndrome is Associated With Elevated Skin Temperatures During Torpor	Peter Severance Emerging Threats to Riverine Aquatic Invertebrates
8:55-9:15	Justine Weber Ontogenetic Niche Shifts Present Conservation Challenges for Rare Plants such as Houghton's Goldenrod, a Federally Listed Species and Great Lakes Endemic	Robert Capers The Invasion and Eradication of <i>Taraxacum officinale</i> from Alpine Snowbed Communities on Mt. Washington, NH	Gary Rosenberg Mollusks of the Northeastern United States and Canada in iNaturalist
9:15-9:35	Donna Vogler Tales of a Flora Retold: Cranberry Bog 1994 vs 2019	Nancy Slack The Discovery of Invasive Dandelions (<i>Taraxacum officinale</i>) in Alpine Communities on Mt. Washington, NH, and Worldwide: Why is this Species a Successful Alpine Invader?	Jay Cordeiro Integrating the Museum Voucher Specimen into Academic Curricula: A Case Study with Freshwater Mollusks
9:35-9:40	Q & A	Q & A	Q & A
9:40-10:30	Morning Poster Session and Reception with light snacks & beverages		

10:30-12:00	Sunday Concurrent Sessions - Morning II		
	Room A	Room B	Room C
	Avian Biology and Conservation	Outlook of Advancing Invasive Species II	Mammals
Moderator	Chad Seewagen	Jennifer Dean	Christopher Nagy
10:30-10:35	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:35-10:55	Wales A. Carter Do Alterations of Forest Arthropod Communities by Japanese Barberry (<i>Berberis thunbergii</i>) Affect the Diet Composition of an Insectivorous Songbird?	Jennifer Dean Invasive Species Tiers: Data-driven Approach to Creating Early Detection Lists	Christopher Nagy An Update on the Ongoing Range Expansion of the Eastern Coyote through New York City and Long Island, NY
10:55-11:15	Megan Napoli An Examination of Habitat-Specific Population Trends from Regional Breeding Bird Survey Data	Stephen Young Detecting Tier 1 and Tier 2 Terrestrial Invasive Plants	Jessica Ray Using Small Unmanned Aerial Systems (sUAS) to Survey White-tailed Deer Populations in Northern NJ
11:15-11:35	Charlotte Probst Seasonal Differences in Chimney Swift Roosting Behaviors	Steven Pearson Early Detection of Aquatic Invasive Species in New York State	Ralph Green III White-tailed Deer Harvest Success and its Impact on Forest Understory Vegetation: Evaluating Management Program Efficacy in Southeastern New York
11:35-11:55	Bruce Robertson Birds Use Polarized Light to Locate Water Bodies	Kelsey McLaughlin Monitoring Tree Health for the Early Detection of Forest Health Issues	Mike Bottini The Natural Recolonization of Long Island, NY, by River Otters
11:55-12:00	Q & A	Q & A	Q & A
12:00-1:30	Lunch (included for those who pre-registered for the conference)		

SUNDAY AFTER LUNCH	SUNDAY APRIL 24, 2022
	Sunday Afternoon I
1:30–3:00	Plenary Session – Room D Realizing Global Ecology: A Pathway to Essential "Biospherism"
	with Douglas Zook, UMass/Boston and Director of the Global Ecology Education Initiative
	<p>The 3.6-billion-year life history of our Home reveals not only all the crucial "inventions" upon which we are completely dependent, but reflects the vast and dominating "chains of connection" that Humboldt emphasized and which can now be realized as the global ecology. Occupying only 0.00008 per cent of the mass of the earth, our biosphere represents what modern humans (last 200+ years) have chosen to ignore and at our peril. This remarkable perimeter of the planet is substantially an ongoing predominantly microbial construct of interacting organisms immersed in symbioses, reciprocity, and triggered feedback systems. The survival-dependent features were well in place, and successful for multi-mega-anna, including photosynthesis, nutrient flow, respiration, and locomotion. What is even more eye-opening is that these dominating constructs and results often evolved as key system threads connected and impactful over great distances. These chains of connection still permeate the present, albeit now under growing threats. Realizing and grasping many of the "Wows" of global ecology, i.e., this astounding long successful story, can be a pathway to the imperative of a new practice by modern humans, "biospherism".</p>
3:00–3:50	Afternoon Poster Session and Reception with light snacks and beverages

Attention NENHC Presenters—Oral and Poster:

Special offer from the *Northeastern Naturalist*

If you submit a manuscript for publication to NENA based on research presented at the 2022 NENHC by December 31st 2022, you will receive a 10% discount (15% for students) on the publication charges. Simply identify your submission as NENHC research in your cover email and you will qualify for the discount.

3:50-5:00	Sunday Concurrent Sessions - Afternoon II		
	Room A	Room B	Room C
	Freshwater Ecology and Conservation	Conservation Detection Dogs	Mycorrhizal Ecology
Moderator	Doug Carlson	Kristine Hoffmann	Andrew Cortese
3:50-3:55	Introduction & Overview	Introduction & Overview	Introduction & Overview
3:55-4:15	Thomas Baker Developing Species Distribution Models for Conservation of <i>Glyptemys insculpta</i> (Wood Turtle) in Atlantic Canada	Kristine Hoffmann Training Undergraduate Biologists with Wildlife-Detection Dogs	Molly Heit Ectomycorrhizal Fungal Diversity and Abundance Across Transgenic Versus Traditionally Bred American Chestnuts
4:15-4:35	Anna Rider Land-use Legacy Effects on Stream Salamanders in Finger Lakes National Forest	Lindsay Ware Wood Turtle Detection Dogs: A Collaborative Approach to Training, Assessment, and Deployment	Summer Blitz Ectomycorrhizal Fungi on Hop Hornbeam Seedlings Growing Near Ectomycorrhizal or Arbuscular Mycorrhizal Trees In Old Fields
4:35-4:55	Doug Carlson Fishes of Northern New York and the Adirondacks	Arden Blumenthal Incorporating Conservation Dogs in Multilayered Invasive Species Management	Andrew Cortese Islands in the Shade: Scattered Ectomycorrhizal Trees Influence Soil Inoculum Potential and Heterospecific Seedling Response in a Secondary Forest
4:55-5:00	Q & A	Q & A	Q & A
5:00-6:00	Take down for Day 2 scientific posters		
<p>Thank you for participating in NENHC 2022. We hope you enjoyed the conference, wish you a safe journey home, and look forward to seeing you next year!</p>			

SATURDAY POSTER PRESENTATIONS DIRECTORY

No.	Presenters	Title
1	Gianna Papantoniou	Urbanized House Sparrows and Their Ability to Adapt to Novel Objects
2	Katelynn Gierlinger	Winter Ecology of Black-capped Chickadees and White-breasted Nuthatches in the Mount Washington Valley, New Hampshire
3	Katherine Chen	The Effects of Weather Correlates on Bird–Window Collisions in New York City
4	Levi Sheridan	Bird Diversity and Abundance of Mt Desert Rock
5	Wriley Hodge Rosie Chater	From Munchkins to Monsters: A Study on Fledging Success in Herring Gulls
6	Eleanor Gnam	Nest Site Fidelity in Leach’s Storm-Petrels on Great Duck Island, Maine
7	Lundy Stowe	Questions of Value: Management of Leach's Storm-Petrels and an Aging Forest
8	Janne Knieke	Fluctuations in Lake Huron’s Water Level Impact the Surface Area of the Manitoulin and Tobermory Islands
9	Sarah Gray	A Comparison of Leaf Decomposition of <i>Carya ovata</i> and <i>Quercus alba</i> in the Glenwood Cemetery Creek (Geneva, NY)
10	Finley O'Connor	Observations of a North Atlantic Sea-level Wetland: When is a Marsh a Fen?
11	Julia Charest	Can Drought Frequency be Tracked by Stable Carbon Isotopes in Sphagnum Soluble Sugars?
12	Sarah Wettergreen	Is Stable Isotope Analysis a Viable Method for Identifying Prior Tick Hosts? Part 1: Ticks and Host Diet
13	Sasha Milsky	Is Stable Isotope Analysis a Viable Method for Identifying Prior Tick Hosts? Part 2: Fur and Ticks
14	Khoa Tran	How Does the Abundance of Invasive <i>Lonicera maackii</i> (Amur Honeysuckle) Increase Tick Density?
15	Skylah Miller	How Salty Is Too Salty? Investigating the Salt Tolerance of Midori Giant Soybeans Grown under Hydroponic Conditions
16	Simon Abbott	The Importance of the Floral Scent of Herbivore-damaged <i>Asclepias syriaca</i> (Common Milkweed) Flowers
17	Joseph Zeno	Floral Scent of Basil May Affect Crithidia Parasitism of <i>Bombus impatiens</i> (Common Eastern Bumble Bee)
18	Chloe Markovits	Site Fidelity in a Solitary Bee (<i>Agapostemon virescens</i>) Depends on Sex and Nesting Status
19	Aquila Lambert	Overstory Effects of Emerald Ash Borers (EAB) on a Riparian Forest
20	Amanda Dillon	<i>Nocturnal Moths of Northeast Barrens Habitats</i>
21	April Wallace	<i>Cladonia subtenuis</i> Cover, Morphology, and Photosynthetic Properties from Contrasting <i>Pinus rigida</i> Stands
22	Zach Hart	The Many-Layered Flat Rock: A Geospatial Database for the Altona Flat Rock
23	Devan Bushey	Tough Crowd: Post-disturbance Regeneration Dynamics in a Jack Pine Barrens in Northern NY
24	Mikayla Osmer	This Could be the Start of Something New: Jack Pine Regeneration at Altona Flat Rock, NY
25	Hannah Cave Liam Rascoe	Oh Deer, What Do We Have Here? Monitoring Stand- and Landscape-level Changes in Wildlife Habitat Use in Northern New York
26	AJ Morales	Use of Trail Cameras in a Suburban Environment to Establish Presence and Patterns of Observable Wildlife
27	Sage Ganshirt	Carry, Skip, Kill: The Role of Plant Characteristics and Landscape Context in Beaver–Tree Interactions
28	John Vanek	Melanism in the Eastern Gray Squirrel: Using Multiple Methods to Quantify an Urban–Rural Cline
29	Chase Wojtowecz	Assessing <i>Plethodon cinereus</i> (Red-backed Salamander) Skin Microbiome Differences Across Northern New York
30	Richard Jones	Antipredator Behaviors Following an Attack With and Without Tail Autotomy in the Red-backed Salamander
31	Regina Peters	Effect of Population Size on Growth in a Recently Established Population of Blanding’s Turtles

SUNDAY POSTER PRESENTATIONS DIRECTORY

No.	Presenters	Title
1	Laura Hatmaker	Two Lobes Diverged by a Stream Channel: One Peatland's Story of Succession
2	Morgan Condon	2021 Progress Report on Comparison of Management Techniques in Powerline Rights-of-Way
3	Haley Wales	A Comparison of Pollinator Habitat Restoration Techniques in Urban and Floodplain Ecosystems in Western Massachusetts
4	Amelia Whitehurst	Native Pollinator Biodiversity in Protected Lands: A Comparison of eDNA Metabarcoding and Traditional Survey Methods in Meadows and Grasslands
5	Amanda Dillon	Solitary Bees of Northeast Barrens Habitats
6	Gloria Keal	Empire State Native Pollinator Survey: Saproxylic Hover Flies within Rare Old Growth Forest Habitats of New York State
7	Kate Cleary	Direct Measurement of the Contribution of Bats to Pest Control on an Organic Farm
8	Adi Shmerling Julianna Bauer Kayla Lewis	Abundance, Morphometrics, and Diet Diversity of Invasive Praying Mantids in Southeastern Massachusetts Additional co-presenters: Eleanor Ruhlin & Samanth Teixeira
9	John Vanek	Use of Urban Greenspaces by the Gray Fox (<i>Urocyon cinereoargenteus</i>) in Syracuse, NY
10	Anna Soccorsi	Mesocarnivores on the Move: Assessing Spatiotemporal Patterns Along an Urban–Rural Gradient
11	Rob Kruse	Lost Legacy: Forest Resilience and Recovery Following an Extreme Disturbance in the Adirondack High Peaks
12	Ed Rosenberg	Holy Shift! Tree Species Range Shifts in the Adirondack Mountains
13	Ethan Skuches	Pathways to Forest Restoration and Increased Carbon Sequestration
14	Richard Stafursky	Species' Forest Model for the Return of the Natural Landscape
15	Molly Heit	Assessing Soils in Central New York for Resistant Ectomycorrhizal Fungal Propagules
16	Alice Roosevelt	Fungal Specificity of <i>Hypopitys monotropa</i> for Ectomycorrhizal Fungi in <i>Tricholoma</i>
17	Yuntong Sun Jackson Hoit	New Records of Native Earthworms in the Northeast
18	Mieko Kim	Assemblage Nestedness and Succession of Earthworms in Postglacial North America
19	Sophie Pedzich	Encroachment of Invasive Pheretimid Earthworms (Jumping worms) in the Adirondack Park: Extent and Possible Effects on Nutrient Cycling
20	Bethany Hollenbush	Nest Success and Daily Survival Rates Across the Breeding Seasons in Gray Catbirds
21	Grace Muench	Effects of Weather on Variation in Clutch Size and Egg Mass of Gray Catbirds
22	Ericka Griggs	An Evaluation of Blood Heat-shock Proteins as Biomarkers of Stress in Common Loons
23	Hannah Wait	Breeding Habitat Use During Migration by <i>Junco hyemalis</i> (Dark-eyed Junco) in Western MA
24	Lilly deLemos	Flock Size and Habitat Use by Overwintering <i>Junco hyemalis</i> (Dark-eyed Junco) on a Suburban College Campus
25	Thomas Hilling	Microplastics and <i>Aspergillus fumigatus</i> in <i>Gavia immer</i> (Common Loon) Collected and Sampled in New England
26	Paola Cruz-Martinez	Microplastics in the Intertidal Zone of Rye Beach
27	Noah Hanson	Microplastic Ingestion in Northern Diamondback Terrapins within the Taunton River
28	James McKenna	Conservation Decision-support for Silver Chub Habitat in Lake Erie
29	Brian Hefferon	Age and Growth of the Yellow Lampmussel (<i>Lampsilis cariosa</i>)
30	Julie Gifford	Effect of Invasive Dreissenids on Macroinvertebrate and Hydrophyte Communities of Otsego
31	Glenn Johnson	Creation and Restoration of Blanding's Turtle Nest Habitat in Northern New York
32	Shakhrizoda Khazratkulova Gladys Leitch Katherine Hawley	DNA Barcoding <i>Planorbella</i> (Ramshorn Snails) From Science Education Supply Companies

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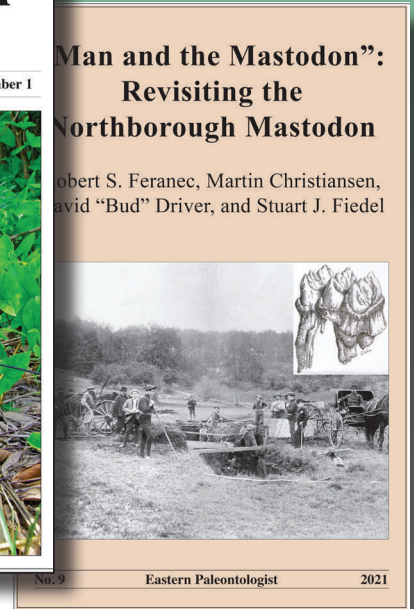
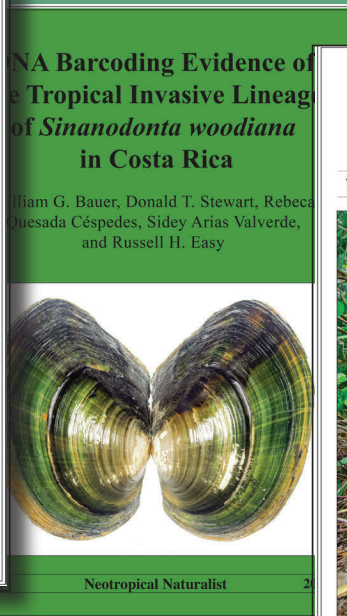
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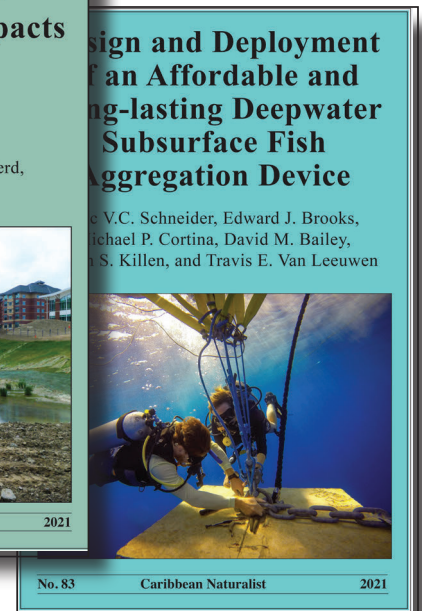
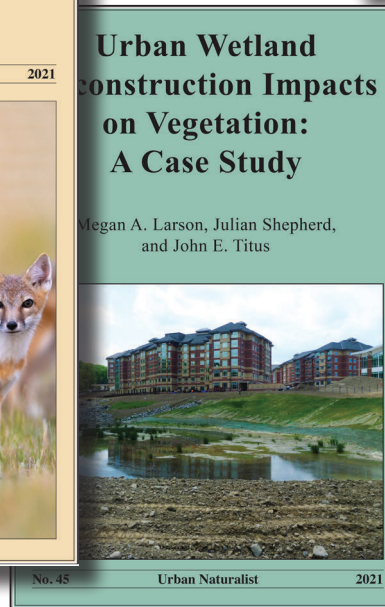
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May 15 - 21	Lichens and Lichen Ecology	Troy McMullin
May 15 - 21	Marine Macroalgae: Ecology, Identification, Distribution, and Importance	Amanda Savoie
May 22 - 28	The Lichen Genus <i>Lepraria</i>	James Lendemer
Jun 5 - 11	Introduction to Bryophytes	Fred Olday
Jun 12 - 18	Introduction to Tardigrade Study and Identification	Emma Perry and William Miller
Jun 19 - 25	Liverworts and Liverwort Ecology	Blanka Aguero
Jun 26 - Jul 2	Mosses in the Field: A New Approach to Moss Identification	Jerry Jenkins
Jul 10 - 16	Wetland Identification, Delineation and Ecology	Rick Van de Poll and Joseph Homer
Jul 10 - 16	Grass Identification: An In-depth Review	Dennis Magee
Jul 24 - Jul 30	Mushroom Identification for New Mycophiles: Foraging for Edible and Medicinal Mushrooms	Greg Marley and Michaeline Mulvey
Jul 31 - Aug 6	Tracks and Sign of Insects and Other Invertebrates	Charley Eiseman
Aug 7 - Aug 13	Field Botany of the Maine Coast: Learning to Network with the iNaturalist Community	Robert Wernerehl
August 14 - 20	Introduction to Lichens	Fred Olday
Aug 21 - 27	Ferns and Lycophytes: Identification, Biology, and Natural History	Robbin Moran and Carl Taylor
Aug 21 - 27	Banding Songbirds and Raptors: Livetrapping, In-hand Aging and Sexing, and Data Collection	Adrienne Leppold and David Brinker



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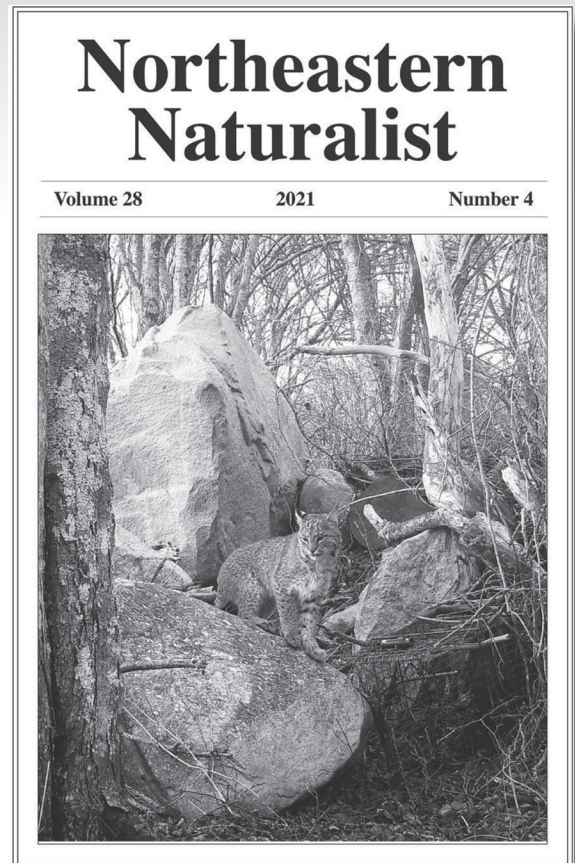
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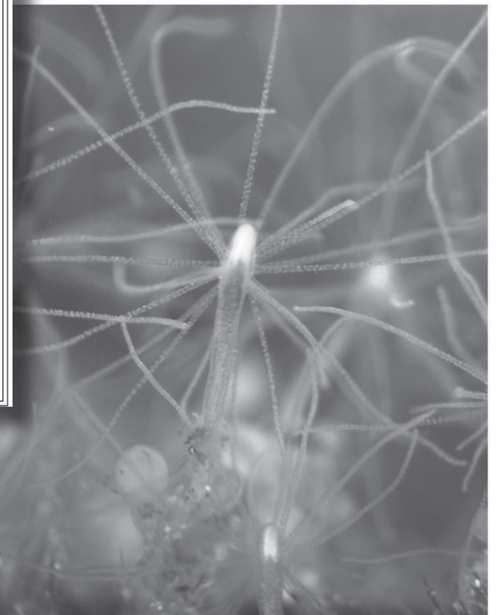
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**Survey of Moth Diversity in
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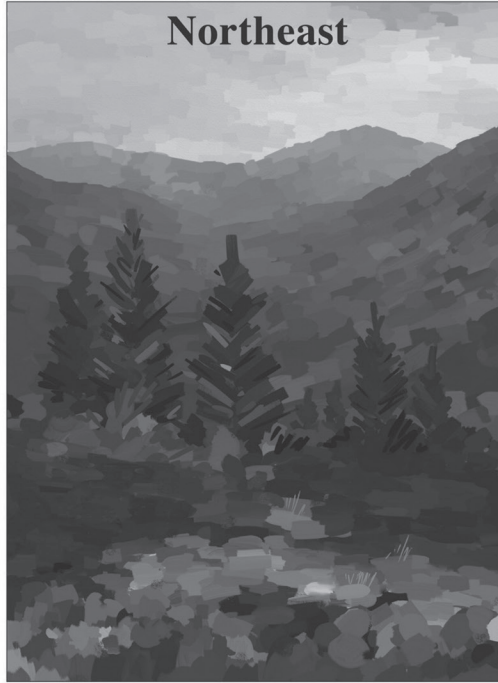
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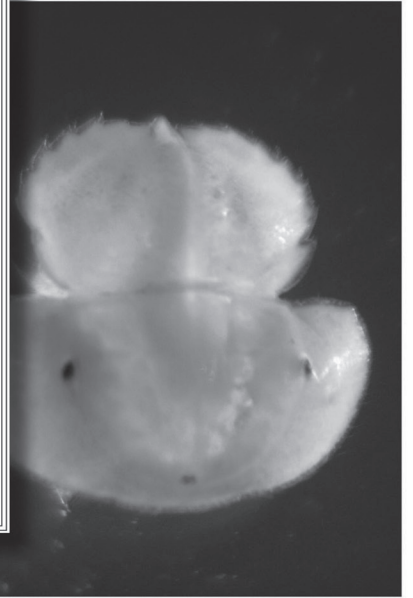
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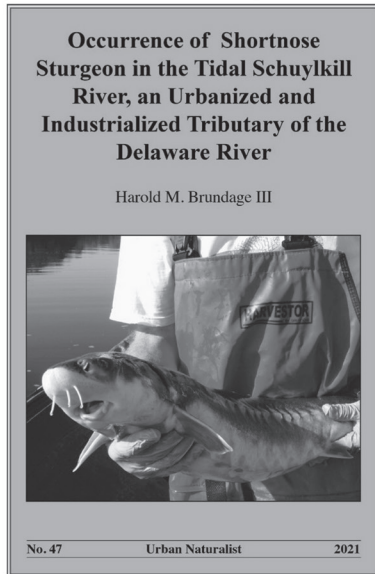
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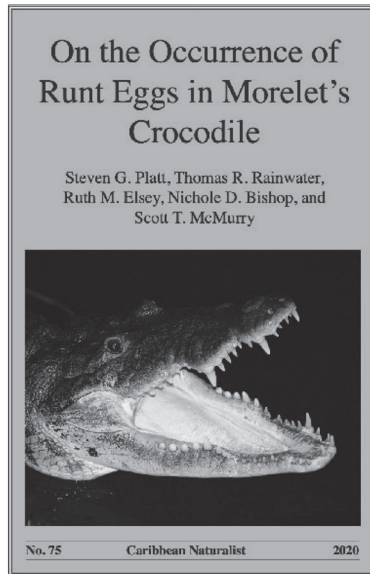
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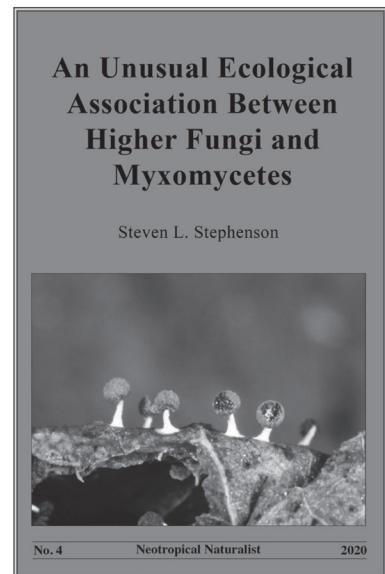
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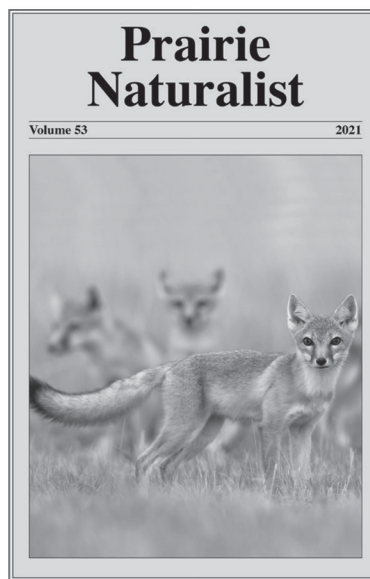
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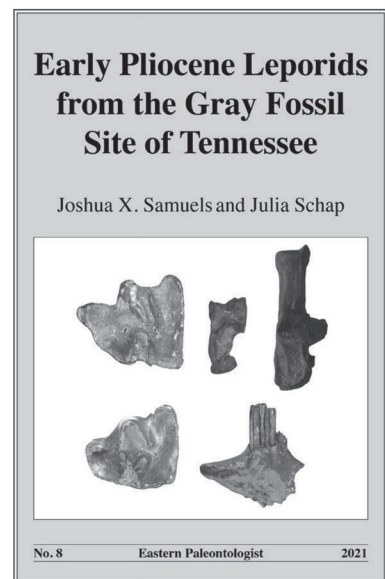
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