



THE NORTHEAST NATURAL HISTORY CONFERENCE

2024



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NENHC 2024

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

Program and Participants List

April 19–21, 2024

Albany, NY



Eagle Hill Institute
www.eaglehill.us

Welcome to the 2024 Northeast Natural History Conference!

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ATTENTION NATURAL HISTORY ENTHUSIASTS: WE ARE LOOKING FOR PROGRAM COMMITTEE AND PLENARY COMMITTEE MEMBERS FOR 2025

We welcome your involvement in making next year's Northeast Natural History Conference a truly amazing event. If you would be interested in helping solicit interesting sessions, workshops, field trips, and other special events, or if you would like to assist in trying to identify an engaging Plenary Speaker for the 2025 NENHC, please let us know ... stop by the registration table while at the conference or email office@eaglehill.us.

NENHC 2024 has been made possible in part by the generous support from the following

Conference Sponsors and Partners

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Torrey Botanical Society, the oldest botanical society in America, is an organization for people interested in plant life, including professional and amateur botanists, students, and others who simply enjoy nature.



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Note: The conference venue is a smoke-free facility. Smoking is prohibited anywhere on the premises.

SAT MORNING	SATURDAY APRIL 20, 2024			
8:10–9:20	Concurrent Sessions - Morning I			
	Room A	Room B	Room C	Room D
	Wetland Botany and Plant Ecology	Paleontology and Paleoecology of Eastern North America I: Trilobites, Eurypterids, and Brachiopods	Bioacoustics of Freshwater Habitats & Species	Insect Ecology and Conservation I
Moderator	Rachel Schultz	Fred Rogers	Kristi Hannam	Carmen Greenwood
8:10–8:15	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:15–8:35	Adelia Baker Wetland-Restoration Impacts on Wet-Meadow Ecology in Lake Ontario Coastal Wetlands	Melanie Hopkins Unravelling Parallel Conceptions of the Ordovician Trilobite <i>Flexicalymene senaria</i> (Conrad, 1841)	Micah Hosley Exploring the Bioacoustics of Freshwater Ponds	Carmen Greenwood Bringing the American Burying Beetle Back to New York
8:35–8:55	Robert Wernerehl Plant Species of Acidic Graminoid Fens for Cranberry Bog Restorations in Massachusetts	Russell Bicknell The Oldest Record of Sea Scorpion Muscles Preserved in the Late Ordovician Beecher's Trilobite Beds (New York State)	Alex Thompson Acoustic Monitoring of Anurans in a Suburban Forest Area	John Pipino Fate of Carrion: Competition for Reproductive Resources of <i>Nicrophorus</i> Beetles in New York Forests
8:55–9:15	Lindsey Pett <i>Sarracenia purpurea</i> Phytotelmata Algal and Cyanobacteria Composition in United States	Tzevi Aho Paleoecology of Brachiopod Shell Hashes in the Middle Devonian Mt. Marion Formation of Eastern New York State	Kristina Hannam Traffic Impacts on Green Frog Calling Behavior	Eryl Bevan Host Shifting, Host-Plant Phenology, and Speciation in the <i>Enchenopa binotata</i> (Insecta) Complex
9:15–9:20	Q & A	Q & A	Q & A	Q & A

Note: abstracts for all oral and poster presentations are available on the conference website:

**www.eaglehill.us/NENHC_2024/program/NENHC2024-oral-abstracts
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You can also access them from the left-hand menu of the website home page under Program, and we will have a printed reference copy of all the abstracts available for participant perusal at the registration table during the conference.

10:10-12:00	Saturday Concurrent Sessions - Morning II			
	Room A	Room B	Room C	Room D
	Species Spotlights in Botany	Paleontology and Paleoecology of Eastern North America II: Morphology Matters	Nightjar Ecology and Monitoring in the Northeast	Understanding and Addressing the Combined Ecological Threats of Invasive Species and Climate Change
Moderator	Steve Young	Fred Rogers	Jacob Straub	Eva Colberg
10:10-10:15	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:15-10:35	Danilo Fernando The Hart's-Tongue Complex: Molecular Systematics, Phylogenetic History and Biogeography	Maxwell Candlen The <i>Podokesaurus</i> Project: Rediscovering Holyoke's Swift-Footed Lizard	Alison Schroeder Nightjar Nest Site-Selection Characteristics and Survival on a Military Installation	Eva Colberg Invasive Species Management in a Changing Climate: Challenges and Solutions from the Northeast
10:35-10:55	Peter Foley Leedy's Roseroot Propagation, Experimental Reintroduction, and Options for Monitoring	Lisa Amati When Morphology Matters: The Complicated Cladistics of Extinct Groups	Asch McDonnell Breeding Season Nest Ecology for Eastern Whip-poor-wills in Northern New York	Matthew Fertakos Assembling a Database of Climate-Smart Native Plants for the Home Gardener
10:55-11:15	Clay Gibbons American Beachgrass Reproductive Phenology, Genetics and Fungal Associations	Fred Rogers Open Discussion for Paleontologists and Biologists: Morphology in Cladistic Analyses of Fossil Taxa and of Extant Taxa	Neil Gifford Eastern Whip-poor-will and Ecosystem Health in an Inland Pitch Pine-Scrub Oak Barrens	Thomas Nuhfer Risky or Resilient? Traits for Restoration and Relocation of Range-shifting Plants
11:15-11:35	Justine Weber Long-term Monitoring After Management: 15-year Response of a Rare Plant to Experimental Canopy Gaps in a Forested Fen		Pamela Hunt Developing a Monitoring Protocol for the Eastern Whip-poor-will in New Hampshire and the Northeast	Ayodele O'Uhuru Identifying New Invasives in the Face of Climate Change: A Focus on Sleeper Species
11:35-11:55	Steve Young A Year in the Life of Skunk Cabbage (<i>Symplocarpus foetidus</i> , Araceae)		Matthew Palumbo Nightjar Monitoring in New York and the Atlantic Flyway	William Pfadenhauer A Review of Climate Change Impacts on Biocontrol Agents and their Hosts
11:55-12:00	Q & A		Q & A	Q & A

SATURDAY AFTER LUNCH	SATURDAY APRIL 20, 2024			
1:30–3:00	Concurrent Sessions - Afternoon I			
	Room A	Room B	Room C	Room D
	Updates in Northeastern Flora I	Frontiers in Marine Invertebrate Digitization I	Conservation of Fungi in the Northeast	Invasive Species and Biodiversity Conservation I
Moderator	Kyle Webster	Liz Shea	Rick Van de Poll	Mitchell O'Neill
1:30–1:35	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
1:35–1:55	Donald McClelland Simon's Rock Herbarium, a "New" Herbarium for the Northeastern US and Montserrat, West Indies	Katie Pearson Leveraging Digitized (Marine) Specimen Data in Public Data Portals	Hannah Huber Fungal Diversity Survey (FunDiS) and its Role in Conserving Fungi Nationwide	Adam Graziano Quantifying the Effects of Japanese Knotweed Allelopathy on Growth of Native Plants
1:55–2:15	David Werrier Stories Behind the Updates: A Continued Accounting of the Vascular Flora of New York State	Michelle Tang Archiving Fieldwork for the Future: Sharing Your Research with Museum Collections	Jess Rubin & Dave Muska The Vermont Fungal Scientific Advisory Group (FSAG)	Colleen Lutz Impact of Knotweed Species and Land Use On Drift-Insect Diversity in the Housatonic River in Southeastern Massachusetts and Northwestern Connecticut
2:15–2:35	Robert Naczi Progress Report on <i>New Manual of Vascular Plants of Northeastern United States and Adjacent Canada</i>	José Leal Frontiers in Imaging of Specimens in Mollusk Collections	Rick Van de Poll The Rare Northeast Fungi Challenge: Results of a Three-Year Effort	Ashley Morris Northern Snakehead (<i>Channa argus</i>) in New York Waterbodies: Threats and Management
2:35–2:55	Kate Samra Floristics as a Tool for Managing Invasive Species: Case Studies From the <i>New Manual</i>	Gary Rosenberg Live–Dead Distinctions and Why They are Important	Rick Van de Poll Panel Discussion: Conserving Fungi in the Northeast—Where Do We Go From Here?	David Decker Adapting Invasive Species Management Strategies Due to Sea Level Rise on the Hudson River
2:55–3:00	Q & A	Q & A	Q & A	Q & A

4:00–5:30	Saturday Concurrent Sessions - Afternoon II			
	Room A	Room B	Room C	Room D
	Terrestrial Botany and Plant Ecology	Frontiers in Marine Invertebrate Digitization II	Bird Ecology and Behavior	Invasive Species and Biodiversity Conservation II
Moderator	Jack Tessier	Gary Rosenberg	Pamela Hunt	Mitchell O'Neill
4:00–4:05	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
4:05–4:25	Jack Tessier Simulated Herbivory Decreases Frond Size and Number in <i>Dryopteris intermedia</i>	Tom French Digitizing Allows Micro-shell Citizen Science	Keyleigh Filkins American Woodcock (<i>Scolopax minor</i>) Resource Selection in New York State	Christopher Bloch Demographics of the Asian Shore Crab in Southern New England: A Preliminary Assessment
4:25–4:45	Eddie Watkins Ecology and Ecophysiology of <i>Dryopteris</i> Hybrids	John D'Angelo Marine Georeferencing: Challenges and Lessons Learned	Finley O'Connor The Birds Don't Have Newcomb's: Vegetation Structure and Nesting Density on Maine Islands	Matthew Schlessinger Comparative Biodiversity of Plum and Fishers Islands
4:45–5:05	Mary Douglas Soil Fungi Drive the Positive Relationship Between Historical and Future Evenness in Old-Field Plant Communities	Nelson Rios Advances in Georeferencing Technologies to Support Marine Invertebrate Digitization	Kaiti Hall How to Share a Rock with a Gull: Determining Researchers' Impact on the Fledging Success of Herring Gulls on Mount Desert Rock	Abigail Marino Biodiversity and Invasive Species on Long Island
5:05–5:25	Robert Wernerehl Sandplain Grasslands of the Northeast, A Quick Tour, And Guide to the Sandplain Grassland Network	Elizabeth Shea The Extended Invertebrate: Digitizing Novel Traits Expands Research and Education Possibilities	Luke Tyrell Bird Binocularity: More Than Meets the Eye	Mitchell O'Neill Panel Discussion on Conserving Biodiversity Through Invasive Species Management
5:25–5:30	Q & A	Q & A	Q & A	Q & A

SUNDAY MORNING	SUNDAY APRIL 21, 2024			
8:10–9:20	Concurrent Sessions - Morning I			
	Room A	Room B	Room C	Room D
	Unsung Invertebrates: Diverse Communities in the Leaf Litter	Using Local Field Resources and the Scientific Method to Teach Natural History	Dynamics of Northeastern Interior Pine Barrens	Insect Ecology and Conservation II
Moderator	Rebecca Pinder	Brett Huggett	Neil Gifford	Carmen Greenwood
8:10–8:15	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
8:15–8:35	Marla Coppolino Land Snails of an Ecologically Rare Alvar Preserve	Terryanne Maenza-Gmelch Discovering an Urban River: Connecting to Place While Learning Ecology in an Undergraduate Lab Course	Meghan Bargabos Buck Wild: Wildlife Habitat Suitability Across a Chronosequence of Wildfire-Origin Stands at a Jack Pine Barrens	Rachel Bonoan Effect of Decreased Snowfall During an Atypical Winter on a Rare Butterfly's Host Plant
8:35–8:55	Rebecca Pinder Earthworm Community Changes Over 17 Years Along Riparian Habitats	Brett Huggett Teaching Plant Biology in a Curriculum Focused on Course-based Undergraduate Research Experiences	Caley Doell A Bird's Eye View: Avian Community Differences Across Forest Type, Age, and Time in a Disturbed Pine Barrens	Elizabeth Crisfield, Rick Van de Poll, and Mark Mello Nocturnal Moths in Xeric Habitats in the Northeast
8:55–9:15	Timothy McCay Movement Behavior, Isotopic Niche and Population Dynamics of Invasive Jumping Worms in Northeastern Forests	Declan McCabe Site-specific Field Guides for the Classroom: Use of Wiki Templates to Customize	Neil Gifford Scrub Oak Management in an Inland Pitch Pine–Scrub Oak Barren	Max McCarthy Lessons in Beewatching: Making Insects Watchable Wildlife
9:15–9:20	Q & A	Q & A	Q & A	Q & A

10:10–12:00	Concurrent Sessions - Sunday Morning II			
	Room A	Room B	Room C	Room D
	Urbanization and Wildlife Behavior	Partnering with Education to Further Invasive Species Research	Wilderness at Work: Science on Northeast Wilderness Trust Preserves	Updates in Northeastern Flora II
Moderator	Dan Bogan	Brian Hoven	Shelby Perry	Kyle Webster
10:10–10:15	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
10:15–10:35	Dan Bogan Wildlife Acclimation to Urban Environments: Comparing Evolutionary and Management Frameworks	Maura Sullivan Muller Field Station Internship Program: Contributing Outreach, Monitoring, and Management to Regional Invasive Projects	Rick Van de Poll Long-term Monitoring of Fungi on Forever-Wild Conservation Land	Eric Karlin The <i>Sphagnum</i> species of New England, New Jersey, and New York
10:35–10:55	Samantha Sawyer Monitoring of Wildlife and Scavenging Behaviors in Recreationally Used Nature Reserves in the Greater Boston Area	Tim Mihuc Plankton in Lake Champlain: Invasive Species Impacts (aka the Adventures of Captain Fishhook Waterflea and Others)	Jason Hill Lessons from Mountain Birdwatch: Strategies to Improve the Collection and Analysis of Wildlife-monitoring Data from Remote Locations	James Lendemer Reconstructing the First New York City Lichen Baseline from 1823
10:55–11:15	Charles Brill Effects of Human Habituation on Eastern Gray Squirrel Predator Response Behaviors	Jennifer Dean Creating an Invasive Species Curriculum for Middle and High School Science Classes	Luke McNally The Where, What, and Why of Stream Crossings	Lydia Paradiso The Past, Present, and Future of New York City's Spontaneous Flora
11:15–11:35	Ted Grabarz A Habitat-Quality Stress Index for the American Crow from a Matrix of Land-cover Characteristics	Rachel Schultz Lessons from the Restoration of Braddock Bay on Lake Ontario Under Varying Water Levels	Kathleen Savage Howland Research Forest, ME: How Conservation has Supported Long-term Research	Robert Wernerehl New and Interesting Rare Plant Discoveries in Massachusetts in 2023
11:35–11:55	Todd Rimkus The Lucasville Pond Renovation Project and the Effect on the Local Turtles and Other Inhabitants	Brian Hoven Panel Discussion: Partnering with Education to Further Invasive Species Research	Eric Bailey and Shelby Perry Wildlands Ecology in Action	Kelly Omand and Chase Mathey Updating the Flora of Nantucket: An Island Exploration
11:55–12:00	Q & A	Q & A	Q & A	Q & A

SUNDAY AFTER LUNCH	SUNDAY APRIL 21, 2024
	Sunday Afternoon I
1:30–3:00	Plenary Session - Room D Watching Wild bees in the Anthropocene with Nick Doran, ecologist, educator, and naturalist New England is home to an enchanting diversity of wild bees. In recent years, these important pollinators have vaulted into the spotlight as conservation priorities. Yet, even the most well-intentioned conservation efforts are hampered by large gaps in our understanding of the natural history of wild bees. In this plenary, Dr. Nick Dorian will address the past, present, and future of wild bees in New England. We will examine what past observations can teach us about how bee populations are faring today, and what observations today can teach us about resilience of bees under future environmental change. Looking forward, building natural history knowledge for bees—as well as for other diverse, poorly understood taxa—will require an all-hands-on-deck approach, one that centers, celebrates, and amplifies the expertise of amateurs. Building capacity for this work through identification guides and biodiversity data repositories is important, but is only one half of the equation. The other half is catalyzing a shift in our everyday lives towards repeated attentiveness to the natural world.

Attention NENHC Presenters—Oral and Poster:

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If you submit a manuscript for publication to NENA based on research presented at the 2024 NENHC by December 31st 2024, 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.

4:00–5:10	Sunday Concurrent Sessions - Afternoon II			
	Room A	Room B	Room C	Room D
	Human Impacts on Biodiversity	Ecology and Conservation of Reptiles and Amphibians	Ecological Diversity from the Forest Floor to Tree Tops	Wild Canids in the Northeast: Roaming into a Mix of Genetics and Policy
Moderator	Dan Bogan	Brian Bastarache	Hanna Makowski	Nadia Steinzor
4:00–4:05	Introduction & Overview	Introduction & Overview	Introduction & Overview	Introduction & Overview
4:05–4:25	Scott LaPoint Mammal Responses to a Major Highway in Southern New York	Susanna Sousa Influence of Landscape and Site Characteristics on Eastern Gray Treefrog (<i>Hyla versicolor</i>) Occupancy in Managed Forests of Pennsylvania and Virginia	Jess Rubin Restoring a Degraded Riparian Forested Buffer while Balancing Phosphorus Remediation, Biodiversity, and Indigenous Land Access	Bridgett vonHoldt Using New Genotyping Methods to Understand Northeastern Canids
4:25–4:45	Matthew Schlessinger Effects of Climate Change on New York Wildlife	Jeremy Fontaine Survey of Freshwater Turtles in Salmon Brook, Nashua, New Hampshire	Hanna Makowski Determinants of Deciduousness: Detangling the Genetic vs. Environmental Correlates of Intrapopulation Variation in Tree Leaf Phenology	Renee Seacor Coyote, Wolves, or Hybrids? Challenging the Status Quo of Public Perception and Traditional Wildlife Protection
4:45–5:05	Joseph Zeno How Certain Marine Phytoplankton Species Are Being Affected by Ocean Acidification Along the US Northeast Coast	Eamon Caffrey Threats to Northern Diamondback Terrapin Nests Vary by Nesting Substrate in Cape Cod, Massachusetts	Laurel Schuster The Effects of Silvicultural Management on Arboreal Insect Communities in a Northern Hardwood Forest	Nadia Steinzor Leveraging Emerging Science to Advance State Policies for Northeastern Canids
5:05–5:10	Q & A	Q & A	Q & A	Q & A
	Thank you for participating in NENHC 2024. We hope you enjoyed the conference and wish you a safe journey home.			
	SEE YOU AGAIN AT NEXT YEAR'S NORTHEAST NATURAL HISTORY CONFERENCE!			

SATURDAY POSTER PRESENTATIONS DIRECTORY

No.	Presenters		Title
1	Sarah Mara	Snyder Silver	Flying Insect Diversity and Abundance at Cliff Swallow Colony Sites in Western Massachusetts
2	Hailey	Mitchell	Effects of Vegetation Characteristics and Time Since Mowing on Nest-site Selection and Nest Survival of Savannah Sparrows (<i>Passerculus sandwichensis</i>) in Western New York
3	Isabelle	Rubbo	Polymorphism Mediated Sperm Competition in <i>Zonotrichia albicollis</i> (White-Throated-Sparrow)
4	William	Draxler	Below the Tide: Winter Diving Behaviors of the Common Loon
5	Asher	Panikian	Picking Through Puke: The Utility of Otoliths in Common Tern Pellets for Seabird Diet Research
6	Francisco	Vazquez	The Vegetation of Two Gull Colonies on Great Duck Island in the Gulf of Maine
7	Autumn	Pauly	Should I Stay or Should I Go Now: The Effect of Site Fidelity on Breeding Success of the Leach's Storm Petrel (<i>Oceanodroma leucorhoa</i>)
8	Charlie	Darmstadt	Demographic and Phenological Changes in a Vermont Passerine Community Subject to a Warming Climate
9	Marliese	Baer	Effects of Climate Change on Migration Phenology of Three Species of North American Raptors
10	Zofia	Myszko	Multisite Approach for Monitoring Migrant Raptor Counts within the Atlantic Flyway of North America
11	Taylor	Peltier	Silver-Spoon Effects of Corticosterone on Juvenile Survival of Red-tailed Hawks
12	Daria	Sparks	<i>Anas platyrhynchos</i> (Mallard) in the Atlantic Flyway: Deriving Migration Metrics from GPS/GSM Data
13	Allyson	Barredo	Investigating Helminth Biodiversity in New York State through Mitochondrial Genomics
14	Ryan	McGinty	Effect of Habitat Characteristics and Wetland Management on Least Bittern Occupancy in Missouri
15	Lucas	Kemmerling	The Role of Small Mitigation Wetlands in Supporting Fall Migrating Waterfowl
16	Kendalyn	Town	Patterns of Plant Species Introductions in Lake Ontario Coastal Wetlands
17	Nathan	Crego	The Effects of Manual Cutting on Typha Inflorescence Production in a Central New York Fen
18	Alicia	McKenzie	Long-term Manual Control of Invasive Typha in a Central New York Fen to Reduce Thatch Accumulation
19	Mark Zachary	Kuhlmann Craft	Chela Loss Increases Predation Risk of Stream-Dwelling Rusty Crayfish
20	Micah	Ford	Assessing Water Quality for Streams in Wyoming County, NY: Pollution, Erosion, and Biodiversity
21	Lucy	Earl	Stream Recovery and Aquatic Plant Growth: Above, Below, and In Town
22	Taylor	Seidel	Impacts of Road Closures on Migratory Amphibian Mortality During Spring Migration in Keene, New Hampshire
23	Danielle	Clement	Survey of Freshwater Turtles in Salmon Brook, Nashua, New Hampshire
24	Samantha	Cronk	The Influence of Private Septic Systems on Water Quality in a Suburban Watershed
25	Christien	Gilman	Hitting The Dusty Trail: Assessing Hiking Trail Erosion in the Adirondack Mountains
26	Maggie	Denison	Effects of Human-driven Landscape Alteration on Small Mammal Biodiversity
27	Lucas	Andujar	The Use of Road Culverts as Wildlife Crossings
28	William	Brandenburg	Effects of Timber Harvesting Techniques on Amphibian Populations
29	Alannah	McGarry	Effect of Irregular Shelterwood Cut on Bark Beetle Density and Richness in Old-growth Sugar Maple Canopies
30	Charlotte	Kratovil-Lavelle	Spider Abundance in Lycopodiaceae (Clubmoss) Patches of Central Pennsylvania
31	Jack	Drda	Hemlock Woolly Adelgid Populations and Eastern Hemlock Health Follow a Four-Year Cycle in South Central Pennsylvania

SATURDAY POSTER DIRECTORY continued

32	Christopher Lozano	Growth and Frequency of <i>Tsuga canadensis</i> Seedlings on Moss, Soil, and Dead Material Substrates
33	Olivia Bernier	Determinants of Forest Health in St. Lawrence County, New York
34	Niki Bajracharya Noah Sgaramella	Tree Growth, Mortality, and Recruitment in a Mixed Hardwood Forest in the New Jersey Highlands
35	Aleah Germinario Kyle Sheldon	Species Composition of Trees Most Likely to Replace White Ash Canopy Trees in the Ramapo Mountains
36	James Wholey	Sizing It Up: Using LiDAR Imaging to Map Forest Structure at the Altona Flat Rock
37	Bomin Kim	Enhancing Field Station Long-term Data Management and Sharing
38	Jay Kelly	Effects of Prescribed Fire on Native and Invasive Understory Vegetation in Northern NJ Hardwood Forests
39	Aiden Gifford	Developing a Tree-Ring Fire History for the Albany Pine Bush Preserve, Albany, New York
40	Gisselle Mejia	Unearthing the Role of Root Functional Traits in Old-Field Forest Succession: Implications for Biodiversity and Ecosystem Services
41	Alexis Ochs Jessie Seifert Kathleen Lewis	Forest Dynamics Between Co-occurring Native and Invasive Species
42	Paul Siskind	A Survey of Infestations of Lily Leaf Beetle on Populations of Wild Lilies in St. Lawrence County, NY
43	Susan Booth-Binczik	Using Remotely Sensed Data to Map Woody Understory for New England Cottontail Conservation
44	Jada West	The Wild Connection: Small-Mammal Abundance as a Predictor for Tick-Borne Diseases
45	Aidan Woods	Patterns of Beaver Dam Abundance and Density in Central New York over the Past Three Decades Inferred from Aerial Imagery
46	Lily Duerr	Examining Drivers of Skull Size and Shape Variance within the Genus <i>Didelphis</i> using 3D Morphometrics
47	Marina Schnell	Easy Come, Easy Go: Temporal Variation in a Remote Intertidal Community
48	Skylah Miller	Can It Grow? Investigating Aeration Techniques When <i>Tagetes patu</i> Are Grown Under Hydroponic Conditions

SUNDAY POSTER PRESENTATIONS DIRECTORY

No.	Presenters	Title
1	Amelie Przedwiecki	Down to the Core: Fire and Vegetation History in a Jack Pine-Dominated Ecosystem
2	Lydia Harvey	Set Fire to the Grain: Reconstructing Community Assemblages of a Fire-dependent Ecosystem
3	Sarah Newton Skyleigh Bickings	Prescribed Burn Impact on <i>Pinus rigida</i> (Pitch Pine) Demographics and Growth
4	Madelyn Lehman	Playing with Fire: Age Structure Across a Chronosequence of Fire-disturbed Jack Pine Stands
5	Taylor Towne	In the Heat of the Moment: Fine-Scale Temperature Differences Across a Topographically Complex Jack Pine Barrens
6	Johanna DiCerbo	The Effects of <i>Robinia pseudoacacia</i> Removal on Soil Nutrient Concentrations in the Albany Pine Bush
7	Logan Gould	Evaluating Spongy Moth (<i>Lymantria dispar</i>) Egg Mass Density in Peebles Island State Park
8	Alanna Richman	Assessment of Spatial Distribution Patterns and Infestation Risk Over Time of Spotted Lanternfly (<i>Lycorma delicatula</i>) in New York State
9	Adam Thomas Dominic Clark	Fishing Activity has Minor Effects on Earthworm Communities Adjacent to Central New York Freshwater Habitats
10	Sofia Nastasi	Distribution of Invasive Earthworms in a Suburban Nature Preserve in Southern NY Determined Using Fieldwork and eDNA Metabarcoding
11	Kyleigh Frank	Dispersal and Distribution of Jumping Worm species on Sloped, Woodland Landscapes
12	Ryan Nowak	Assessing Efforts to Control Giant Hogweed in New York State

SUNDAY POSTER DIRECTORY continued

13	Richard	Feldman	Goat Grazing and Repeated Cutting of <i>Reynoutria japonica</i> , s.l., (Japanese Knotweed) Diversifies Flora
14	Ethan	Skuches	Evaluating the Role of Arboreta in Emerging Invasive Plant Introductions: Insights from Vassar College
15	Mitchell Douglas	O'Neill Knoph	iMapInvasives: Sharing Invasive Species Information for Strategic Natural Resource Management
16	Katrina Morgan	Shepard LaDue	Investigating Spread Rates of Aquatic Invasive Plant Species in North America
17	Zachary	Cutter	Invasion of the Waterfleas and Their Impact on the Zooplankton of Lake Champlain
18	Marshall	Arnwine	Changes in the Vertical Structure of Lake Champlain Zooplankton After the Invasions of Spiny Waterflea and Fishhook Waterflea
19	Erin	Foley	Mussels of Onondaga Lake
20	Thomas Davin	McDonough Sherwood	Palatable Plastics: Organ-specific Assessment of Microplastic Abundance in Fish
21	Patrick	Laurin	Parasite Prevalence and Intensity in Lake Champlain Basin Fish
22	Carl Charlene	Hoegler Blando-Hoegler	Osmoregulation and Metabolic Enzymes in <i>Anguilla rostrata</i> (American Eel)
23	Andrew	Brunner	Predicting Amphibian Road Crossing Hotspots in Eastern New York
24	Rosy	Metcalfe	Too Cold to Migrate?: Analyzing Amphibian Spring Activity Below 4.4 °C (40 °F) for Future Conservation Management Implications
25	Rachael	Wolf	Tracking Biofluorescence Over Time in the Red-Backed Salamander (<i>Plethodon cinereus</i>)
26	Brenna	Knibbs	Vernal Pool Regulations in the Northeast: Policies, Gaps, and Opportunities
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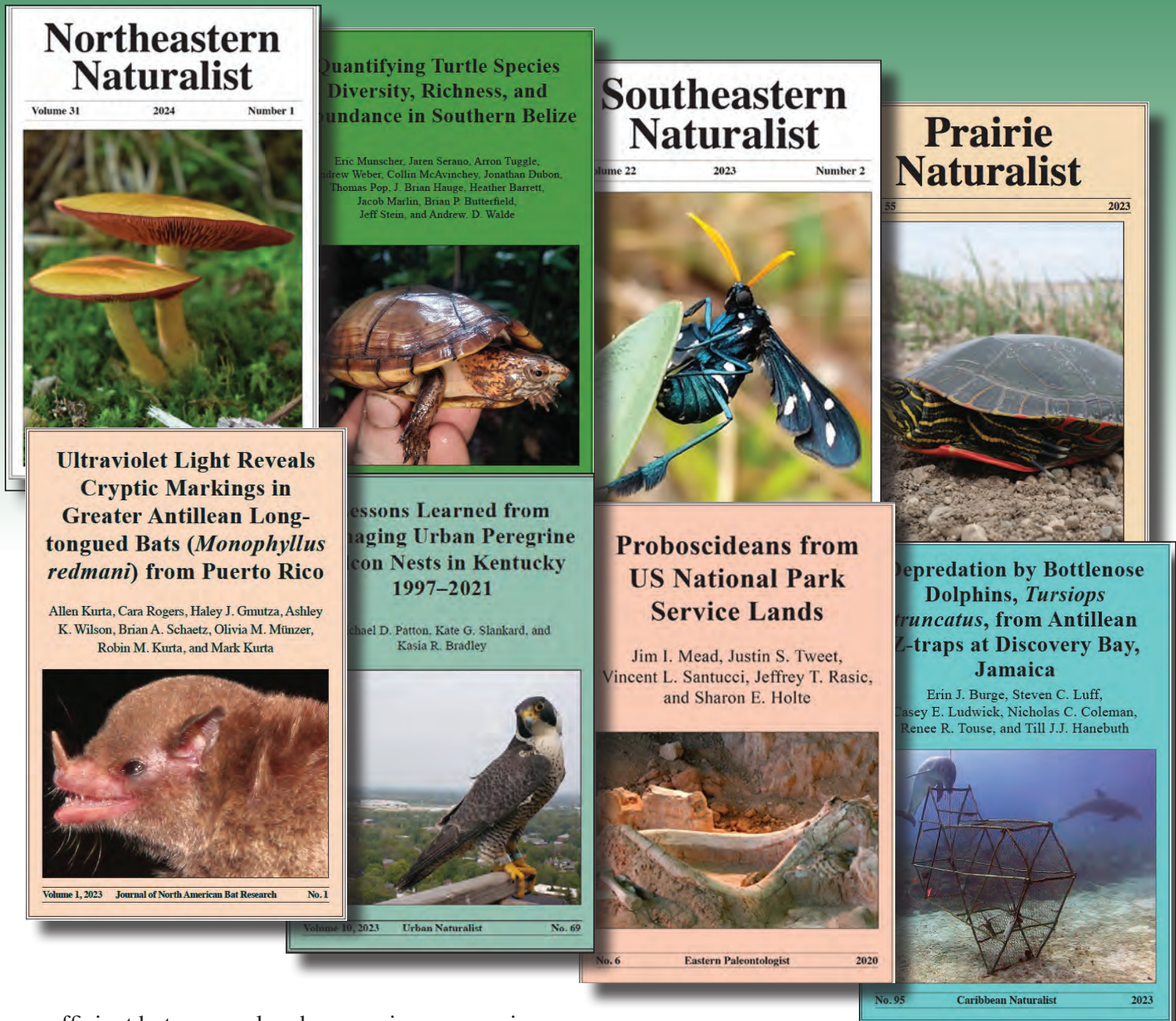
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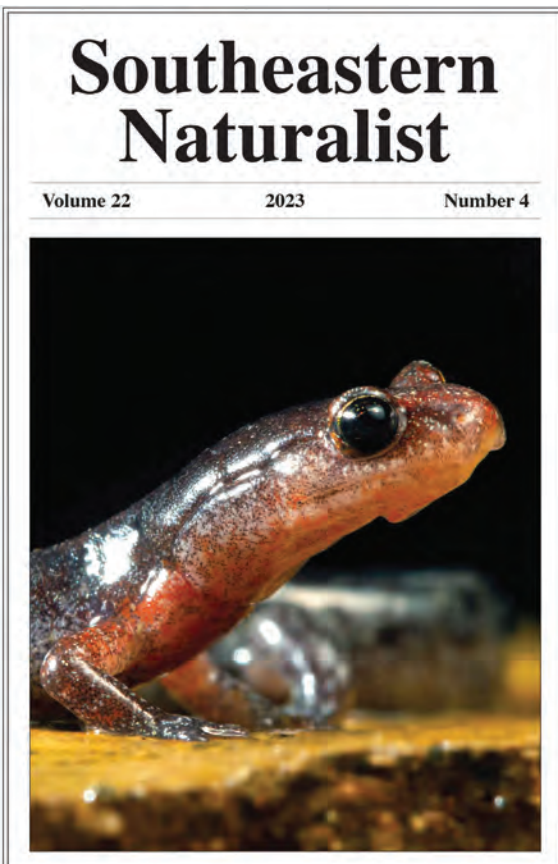
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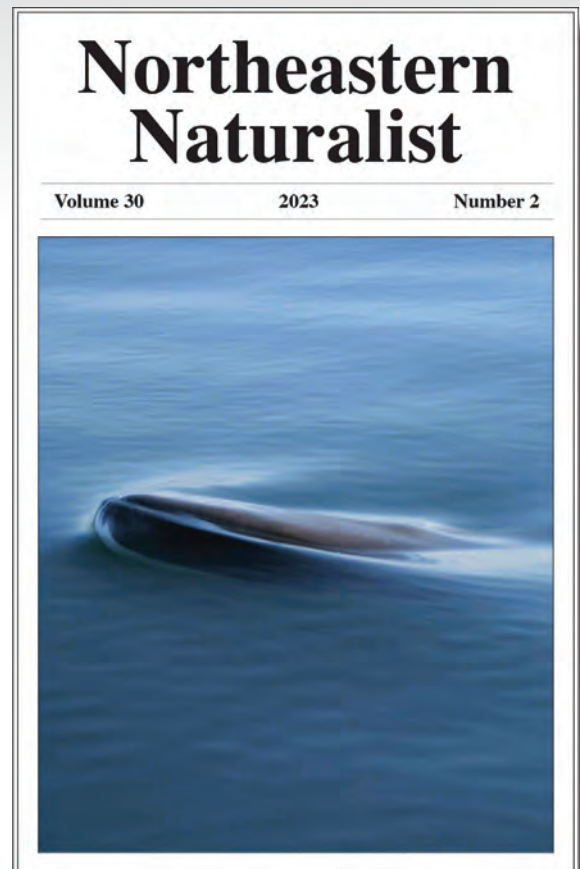
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Dates	Title	Instructor
Jun 2 - 8	Lichen Biology, Ecology, and Identification	Troy McMullin and Philip Bell-Doyon
Jun 2 - 8	Marine Macroalgae: Ecology, Identification, Distribution, and Importance	Amanda Savoie
Jun 9 - 15	Calicioid Lichens: Ecology, Distribution, and Identification	Steven Selva
Jun 9 - 15	Scientific Illustration: Flora and Fauna of Coastal Maine	Dolores Santoliquido
Jun 16 - 22	Tardigrade Biology, Ecology, Field Sampling, and Identification	Emma Perry
Jun 23 - 29	Liverwort Ecology, Distribution, and Identification	Blanka Aguero
Jun 30 - Jul 6	Introduction to the Study of Lichens	Fred Olday
Jul 7 - 13	Wetland Identification, Delineation, and Ecology	Rick Van de Poll and Joseph Homer
Jul 14 - 20	Grass Identification: An In-depth Review	Dennis Magee and Rick Van de Poll
Jul 21 - 27	Spider Ecology, Biology, and Identification	Mathias Foellmer
Jul 21 - 27	Introduction to the Study of Bryophytes	Fred Olday
Jul 28 - Aug 3	Identification Skills for the New Mushroomer: Foraging for Edible and Medicinal Mushrooms	Greg Marley and Michaeline Mulvey
Jul 28 - Aug 3	Natural Communities of the Maine Coast: An In-depth Experience for Field Botanists and Naturalists	Robert Wernerehl and Kristen Puryear
Aug 4 - 10	Submersed and Emergent Aquatic Flowering Plant	C. Barre Hellquist
Aug 4 - 10	Leaf and Stem Mining Insects	Charley Eiseman
Aug 11 - 17	Ferns and Lycophytes: Identification, Biology, and Natural History	Robbin Moran, Carl Taylor, and Alejandra Vasco
Aug 18 - 24	Songbird Banding and Raptor Research: Live trapping (Songbirds Only), In-hand Ageing and Sexing Techniques, and Emerging Technologies	Adrienne Leppold, David Brinker, Alison Fetterman, and Todd Allegor
Aug 25 - 31	Pressing Plants for Art and Science	Daniel Atha
Sep 8 - 14	Identification of Trees and Woody Plants of the Northern Forest: A Wholistic Approach	Erika Mitchell
Sep 8 - 14	Freshwater and Diadromous Fishes of New England: Identification, Regional Perspectives, and Trends	David Halliwell and Tom Danielson
Sep 29 - Oct 2	Fall Mushrooms in a Changing Climate	David Porter and Michaeline Mulvey

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