

Andrew Mitchell Hoyt

Princeton University, Princeton, New Jersey
(859) 699-2345 | amhoyt@princeton.edu

EDUCATION

- PhD in the History of Science** **Expected 2028**
Princeton University, Princeton, NJ, USA
- Dissertation: “Chaos Ecology: Science, Governance, and the End of Natural Order”
 - Committee: Erika Milam (Advisor), Angela Creager (First Reader)
- MA in the History of Science** **May 2025**
Princeton University, Princeton NJ, USA
- General Examinations Passed with Distinction
- MA in History, President’s Medal** **July 2023**
Trent University, Peterborough, ON, Canada
- Thesis committee: Stephen Bocking (advisor), Finis Dunaway, Stephanie Rutherford, Laura J. Martin (external)
- BA in History, *Magna cum laude*** **June 2019**
Carleton College, Northfield, MN, USA

RESEARCH & TEACHING EXPERIENCE

- Research Assistantships, Trent University** **April 2022 – Aug. 2023**
- *For Dr. Finis Dunaway*
 - Primary research for new book project (April - Aug. 2023)
 - Wrote content and designed webpages for companion public history website for *Defending the Arctic Refuge* (April – Nov. 2022)
 - *For Dr. Tina Adcock (Simon Fraser University)*
 - Located archival material for use in forthcoming manuscript (Feb. - April 2023)
- Graduate Teaching Assistant, Trent University School of the Environment** **Sept. 2021 – May 2023**
- Environmental History (Fall 2022); Environmental Science and Politics (Winter 2022 and 2023); Natural Resource Management: Theory and Comparative Cases (Fall 2021)
- Energy Analyst, Center for Energy and Environment, Minneapolis, MN** **Sept. 2019 – Aug. 2021**
- Conducted research and analysis to support the development of energy efficiency and electrification programs for public partners
- Chicago Botanic Garden Echinacea Project, Research Assistant** **June – Aug. 2018**
- National Science Foundation Research Experiences for Undergraduates (NSF REU)-funded position researching genetic diversity and pollination rates in remnant populations of *Echinacea angustifolia* in Minnesota
- Carleton College Biology Department, Research Assistant** **June – Aug. 2017**
- Conducted fieldwork and statistical analysis for studies of the effect of mammal herbivory on plant diversity in tallgrass prairie restorations
- Carleton College Cowling Arboretum, Student Naturalist** **Sept. 2015 – June 2019**
- Conducted research and interviews for oral history project on the founding of the arboretum and delivered public lecture based on the project

University of Kentucky Department of Forestry, Research Assistant 2014-2015, June – Aug. 2016

- Researched the impact of logging techniques on incidence and intensity of fire in eastern Kentucky forests

RESEARCH DISSEMINATION

Publications

- “Ecology, Settler Colonialism, and the Environments of the American Midwest: The Science and Politics of Ecological Restoration since 1950.” M.A. Thesis. Peterborough: Trent University, 2023. <https://batadora.trentu.ca/islandora/ecology-settler-colonialism-and-environments-american-midwest-science-and-politics>
- “What Minnesota's Mineral Gaze Overlooks.” Hoyt, Andrew M. *Edge Effects Digital Magazine*. July 2022. <https://edgeeffects.net/minnesota-mineral-gaze/>
- “Air Source Heat Pumps in Wisconsin: Multifamily and Single-Family Applications.” Drennen, Julie, Carl Nelson, Andrew Hoyt, Isaac Smith, Chidinma Emenike, Ben Schoenbauer, Maria Cecilia Quiñones Peña, Abigail Corso, and Chelsea Wilson. Focus on Energy Environmental & Economic Research and Development Program (October 2021).
- “Non-Native Liana, *Euonymus Fortunei*, Associated with Increased Soil Nutrients, Unique Bacterial Communities, and Faster Decomposition Rate.” Bray, Sarah R., Andrew M. Hoyt, Zhijie Yang, and Mary A. Arthur. *Plant Ecology* 218 (2016): 329–343.

Presentations

- “Sovereignty through Stewardship: Wild Rice, Minnesota Ojibwe Resurgence, and the Politics of Relational Restoration.” Technologies of Sovereignty Graduate Conference at Columbia University. February 2025.
- “Theory and Practice in the Prairie: Plant Community Structure and the Foundations of Restoration Ecology.” History of Science Society Annual Conference. November 2022.
- “A Tragedy in Common: H. Scott Gordon, the Fisherman’s Problem, and the Rationalizing High Modernism of Cold War Bioeconomics,” McGill-Queen’s Graduate History Conference. March 2022.
- “He was on Your Side and You Knew It’: A Profile of Harvey Stork, Professor of Botany and Founder of the Carleton Arboretum.” Public Lecture at Carleton College. May 2019.

Workshop Papers

- “Temporal Recipe Knowledge in the Early Modern English Household.” Princeton University Early Modern History Workshop. October 3, 2024.
- “Restoration, Reciprocity, and Rice: How Minnesota Ojibwe Governments and Activists Reclaimed Resource Management” Princeton University History of Science Program Seminar. September 23, 2024.
- “In Search of the Unit of Ecological Community: Prairie Restoration and the Intermediate Geography of the American Midwest.” Princeton University History of Science Program Seminar. March 18, 2024.

Workshop Comments

- Tomás Uribe, “The Otumpa Meteorite and the Conquest of Chaco,” Princeton University History of Science Program Seminar. November 27, 2023.

Poster Presentations

- “Quantifying the effects of aphid herbivore *Aphis echinaceae* on the fitness of *Echinacea angustifolia*,” Carleton College Student Research Symposium. October 2018.

Updated May 2025

- “Cover of *Solidago* (goldenrod) species affects plant species richness in restored tallgrass prairie.”
Carleton College Student Research Symposium. October 2017; Minnesota Private Colleges Poster Showcase at the Minnesota Capitol. February 2018.
- “*Euonymus fortunei* Influences Soil Bacterial Community and Leaf Composition.” Tracy Farmer
Institute for Sustainability and Environment Annual Poster Showcase. December 2014.

AWARDS & HONORS

Passed General Examinations with Distinction, Princeton
May 2025

- Environmental History* Fellow, ASEH** **2024-2025**
One of four graduate students selected for workshops to develop manuscripts for the journal of *Environmental History*
- Graduate Student Essay Prize, ASEH** **April 2024**
Awarded for best essay by a graduate student
- President’s Medal, Trent University** **June 2024**
Awarded to the student with the highest academic record among the university’s MA programs
- Ontario Graduate Scholarship, Trent University** **July 2022**
Merit-based scholarship awarded to a small number of graduate students each year
- Katherine S. McCarter Graduate Student Policy Award, Ecological Society of America** **Feb. 2022**
Recognizes graduate students working at the intersection of policy and ecology
- Alan Wilson Entrance Award, Trent University** **Feb. 2021**
- Magna Cum Laude*, Carleton College** **June 2019**
- Phi Beta Kappa, Carleton College** **May 2019**
- Laurence McKinley Gould Prize in Natural Science, Carleton College** **May 2019**
Awarded to a student for demonstrated excellence in experimental scientific research and the humanities
- Best Undergraduate Poster, University of Kentucky Tracy Farmer Institute** **Dec. 2014**
Awarded for poster based on research conducted with the University of Kentucky Forest Ecology lab

SERVICE & ADVOCACY

- Earth and Environment Forum Steering Committee, HSS** **Since March 2024**
- Graduate History Association Committee, Princeton University** **Since Oct. 2023**
- Communications Officer, HSS Graduate and Early Career Caucus** **Since Feb. 2023**
- History MA Program Director Search Committee, Trent University** **Oct. 2022 – Feb. 2023**
- History MA Program Committee, Trent University** **Sept. 2022 – Aug. 2023**
- Policy Action Team, MN350** **Dec. 2019 – Sept. 2021**
- Student Departmental Advisor, Carleton College History Department** **Sept. 2018 – June 2019**
- Environmental Carls Organized Volunteer, Carleton College** **Aug. 2018 – June 2019**

SKILLS & PROFICIENCIES

Languages

- *German and Spanish* - Reading proficiency
- *French* – Elementary reading ability

Software

- *Mapping* - ArcGIS, Tableau
- *Data Management and Statistical Analysis* – R, Tableau, SPSS

Field and Lab

- Various ecological field research techniques, including advanced knowledge of tallgrass prairie plant identification
- Basic laboratory and statistical methods for field biology

PROFESSIONAL AFFILIATIONS

American Society for Environmental History (**ASEH**)

Consortium for the History of Science, Technology, and Medicine (**CHSTM**) Earth and Environmental Sciences Working Group

History of Science Society (**HSS**), HSS Graduate and Early Career Caucus (**GECC**), and HSS Earth and Environment Forum

REFERENCES

Erika Milam

Professor of History and the History of Science
Princeton University
emilam@princeton.edu

Stephen Bocking

Professor of History and Environmental Policy
Trent University
sbocking@trentu.ca

Finis Dunaway

Professor of History
Trent University
finisdunaway@trentu.ca

George Vrtis

Professor of Environmental Studies and History
Carleton College
gvtis@carleton.edu