

Daniel P. Shustack
Professor of Environmental Studies
Massachusetts College of Liberal Arts
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EDUCATION

Ph.D. in Natural Resources, School of Environment and Natural Resources, The Ohio State University, Columbus, OH, 2008

Dissertation: Reproductive timing of passerines in urbanization landscapes

Advisor: Dr. Amanda Rodewald

M.S. in Wildlife and Fisheries Biology, The Rubenstein School of Environment and Natural Resources, University of Vermont, Burlington, VT, 2004

Thesis: Bobolink and Savannah Sparrow Habitat Selection in the Champlain Valley

Advisor: Dr. Allan Strong

B.S. in Biology, The Pennsylvania State University, University Park, PA, 2000

PROFESSIONAL POSITIONS

- **Professor of Environmental Studies**, Massachusetts College of Liberal Arts, Sept 2019-current
- **Interim Department Chair** of Environmental Studies, Massachusetts College of Liberal Arts, Jan-June 2015, July 2016-June 2017, July 2023-June 2024
- **Associate Professor of Environmental Studies**, Massachusetts College of Liberal Arts, Sept 2014- August 2019
- **Assistant Professor of Environmental Studies**, Massachusetts College of Liberal Arts, Sept 2008-August 2014
- **Graduate Assistant**, School of Environment and Natural Resources, The Ohio State University, April 2004-August 2008
- **Graduate Assistant**, Rubenstein School of Environment and Natural Resources, University of Vermont, August 2001-February 2004
- **Coastal Steward**, The Nature Conservancy, Long Island, New York Chapter, April 2001-July 2001
- **Prescribed Burn Crew / Preserve Management Assistant**, The Nature Conservancy, Missouri Chapter, October 2000-March 2001
- **Biological Monitoring Assistant Intern**, The Nature Conservancy, Arizona Chapter, August 2000-October 2000
- **Field Assistant**, USGS Northern Prairie Wildlife Research Center, Jamestown ND, May 2000-July 2000

- **Howard Hughes Undergraduate Research Fellow**, University of Illinois, June 1999-August 1999
- **Naturalist Intern**, Hixon Forest Nature Center, La Crosse, WI, January 1998-May 1998

TEACHING HISTORY

- **Ornithology (ENVI 351/BIOL 351), Instructor**, Massachusetts College of Liberal Arts, alternate years (4-16 students)
- **Nature of New England (ENVI 225, and labs), Instructor**, Massachusetts College of Liberal Arts, fall and summers (~20 students)
- **Environmental Sustainability (ENVI 152/ENVI 152H), Instructor**, Massachusetts College of Liberal Arts, spring semesters (~10 students)
- **Representations of Nature (CCAP 300, online course), Instructor**, Massachusetts College of Liberal Arts, summers (~15 students)
- **Introduction to Environmental Systems (ENVI 150), Instructor**, Massachusetts College of Liberal Arts, fall semesters and summer session (hybrid course) (~8-28 students)
- **Everglades and South Florida (ENVI 355), Instructor**, Massachusetts College of Liberal Arts, (online course + 9 day field trip to Florida; 9 students)
- **Wildlife Ecology and Management (ENVI 360), Instructor**, Massachusetts College of Liberal Arts, (11 students)
- **Environmental Interpretation (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, (4-8 students)
- **Landscape History (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, (~10 students)
- **Global Change in the Environment (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, fall 2012 (3 students)
- **The Changing North American Landscape (CCAP 300), Instructor**, Massachusetts College of Liberal Arts, ~alternate years (~20 students)
- **Natural History and Communities (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, fall 2009 (7 students)
- **Green Living Seminar (ENVI 260), Instructor**, Massachusetts College of Liberal Arts, (7-16 students)
- **Introduction to Fisheries, Forestry, and Wildlife**, Co-instructor, The Ohio State University Fall 2007 (45 students)
- **Survey of Careers in Fisheries, Forestry, and Wildlife**, Teaching Associate, The Ohio State University, Winter 2007 (45 students), Winter 2008 (43 students)
- **Natural Resources Management**, Computer Lab Instructor, The Ohio State University Winter 2006 (12 students), Spring 2006 (23 students)
- **Ornithology**, Teaching Assistant, The University of Vermont, Spring 2003 (~35 students)
- **Wetlands Wildlife and Ecology Laboratory**, Teaching Assistant, The University of Vermont Fall 2002 (9 students), Fall 2003 (14 students)
- **Natural Resources Biostatistics**, Grader, The University of Vermont, Spring 2002 (~35 students)

- **Introduction to Biology 1 and 2**, Laboratory Instructor, The University of Vermont, Fall 2001 (14 students), Spring 2002 (15 students)
- **Fisheries Management and Ecology**, Teaching Assistant, The University of Vermont Fall 2001 (2 sections of 12 students each)

PEER-REVIEWED RESEARCH PUBLICATIONS

- **Shustack, D.P.** and H. L. Wait* (2023). Breeding Dark-eyed Junco (*Junco hyemalis hyemalis*) subspecies in western Massachusetts has not changed over previous 80 years. *Wilson Journal of Ornithology* 135:512-519.
- Halkin, S. L., **D. P. Shustack**, M. S. DeVries, J. M. Jawor, and S. U. Linville (2021). Northern Cardinal (*Cardinalis cardinalis*), version 2.0. In *Birds of the World* (P. G. Rodewald and B. K. Keeney, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bow.norcar.02>
- Hudon, J., R. J. Driver, N.H. Rice, T.L. Lloyd-Evans, J.A. Craves and **D.P. Shustack**. 2016. Diet explains red flight feathers in Yellow-shafted Flickers in eastern North America. *Auk: Ecological Advances* 134:22-33.
- Rodewald, A. D., L.J.Kearns, and **D. P. Shustack**. 2013. Consequences of urbanizing landscapes to reproductive performance of birds in remnant forests. *Biological Conservation* 160:32-39.
- Rodewald, A.D., **D.P. Shustack**, and T.M. Jones. 2011. Dynamic selective environments and evolutionary traps in human-dominated landscapes. *Ecology* 92:1781-1788.
- **Shustack, D.P.** and A.D. Rodewald. 2011. Nest predation reduces benefits to early clutch initiation in northern cardinals *Cardinalis cardinalis*. *Journal of Avian Biology* 42:204-209.
- Rodewald, A.D., L.J. Kearns, and **D. P. Shustack**. 2011. Anthropogenic resource subsidies decouple predator-prey relationships. *Ecological Applications*. 21:936-943.
- **Shustack, D.P.**, A.M. Strong and T.M. Donovan. 2010. Habitat Use Patterns of Bobolinks and Savannah Sparrows in the Northeastern United States. *Avian Conservation and Ecology* 5:11; www.ace-eco.org/vol5/iss2/art11/
- **Shustack, D. P.**, and A.D. Rodewald. 2010. A method for detecting undervalued resources with application to breeding birds. *Ecological Application* 20:2047-2057.
- **Shustack, D.P.**, and A.D. Rodewald. 2010. Attenuated nesting season of the Acadian flycatcher (*Empidonax virescens*) in urban forests. *Auk* 127:421-429.
- Jones, T.M., A.D. Rodewald, and **D. P. Shustack**. 2010. Variation in plumage coloration of Northern Cardinals in urbanizing landscapes. *Wilson Journal of Ornithology* 122:326-333.
- Rodewald, A. D., **D. P. Shustack**, and L.E. Hitchcock. 2010. Exotic shrubs as ephemeral ecological traps for birds. *Biological Invasions* 12:33-39.
- **Shustack, D. P.**, A. D. Rodewald, and T. A. Waite. 2009. Springtime in the city: exotic shrubs promote earlier green-up in urban forests. *Biological Invasions* 11:1357-1371.
- **Shustack, D. P.**, and A. D. Rodewald. 2008. Nearctic-Neotropical migrant bird distributions across an urban to rural gradient: simulating the mechanisms. *Avian Conservation and Ecology*. 3(2).

- Donovan, T. M., C. M. Danforth, and **D. P. Shustack**. 2008. Predicting annual fecundity from nest success. *Open Ornithology Journal*. 1:20-28.
- Rodewald, A. D. and **D. P. Shustack**. 2008. Urban flight: understanding individual and population-level responses of Nearctic-Neotropical migratory birds to urbanization. *Journal of Animal Ecology* 77:83-91.
- Rodewald, A.D. and **D. P. Shustack**. 2008. Consumer resource-matching in urbanizing landscapes: are synanthropic species over-matching? *Ecology* 89(2):515-521.

PROFESSIONAL PRESENTATIONS

(* denotes student coauthor)

- AFO-SOC-WOS Joint Ornithological Meeting (2024). **D.P. Shustack**, [Using Motus to determine Dark-eyed Junco migration strategies.](#)
- Association of Field Ornithologists Annual Meeting (2022). **D.P. Shustack**, E.J. Neumuth, and H.L. Wait*, [Dark-eyed Juncos \(*Junco hyemalis hyemalis*\) in western Massachusetts include year-round residents, winter residents and migrants.](#)
- Northeast Natural History Conference (2022). L.G. deLemos* and **D.P. Shustack**. Connecting Flock Size and Overwintering Habitat Use in North Adams, MA
- Northeast Natural History Conference (2022). H.L. Wait* and **D.P. Shustack**. Breeding habitat use during migration by *Junco hyemalis* (Dark-eyed Juncos) in western Massachusetts
- Wilson Ornithological Society Annual Meeting (2021). S.C. Paulsen* and **D.P. Shustack**. Veery (*Catharus fuscescens*) Nest Composition and Structure.
- Wilson Ornithological Society Annual Meeting (2021). S.C. Welch* and **D.P. Shustack**. Feather Coloration in *Junco hyemalis* (Dark-eyed Juncos)
- 27th Annual Meeting of the Wildlife Society (2020). **D. P. Shustack**. Bird Banding Records Demonstrate That Some Northern Cardinals Disperse Long Distances
- 7th North American Ornithological Congress (2020). **D. P. Shustack**. Using the USGS Bird Banding Lab Database to Assess Dispersal in Northern Cardinals (*Cardinalis cardinalis*)
- 7th North American Ornithological Congress (2020). H.L. Wait* and **D. P. Shustack**. Migratory Behavior in *Junco hyemalis* (Dark-Eyed Junco) in Berkshire County, Massachusetts
- Wilson Ornithological Society Annual meeting (2019). H.L. Wait* and **D.P. Shustack**. Morphology of *Junco hyemalis* (Dark-eyed Juncos) in Western Massachusetts
- Wilson Ornithological Society Annual meeting (2019). N. M. Henkenius* and **D.P. Shustack**. Presence and Abundance of Avian Ticks on Breeding Forest Birds in the Northern Berkshires, MA
- 137th Meeting of the American Ornithological Society (2019). **D.P. Shustack**, H. L. Wait* and J. Gonzalez*. Slate-colored Juncos (*Junco hyemalis*) in Western Massachusetts.
- Northeast Natural History Conference (2019). **D.P. Shustack**. Secondary “Market” for Bird Feathers: What Happens to Feathers After Birds Shed Them?
- Northeast Natural History Conference (2019). H.L. Wait* and **D.P. Shustack**. Morphology of *Junco hyemalis* (Dark-eyed juncos) in Western Massachusetts

- Northeast Natural History Conference (2019). J. Gonzalez* and **D.P.Shustack**. Population Fluctuations in Dark-eyed Juncos in the Northeast
- Northeast Natural History Conference (2019).R. Walter* and **D.P.Shustack**. Estimating White-tailed Deer (*Odocoileus virginianus*) Abundance Using Trail Cameras on Conserved Forest Lands
- 136th Meeting of the American Ornithological Society (2018) **D.P.Shustack**. Secondary “Market” for Bird Feathers: what happens to feathers after birds shed them?
- 6th North American Ornithological Congress (2016) **D.P.Shustack**.. Habitat Selection and Nest Site Fidelity: Are we asking the right question?
- 131st Meeting of the American Ornithologist Union (2013) J. Hudon, **D. P. Shustack**, R. J. Driver, N. H. Rice. Diet, not introgression, explains red flight feathers in Yellow-shafted Flickers in eastern North America.
- Annual Meeting of the Association of Field Ornithologists (2013) **D.P. Shustack**. Reuse of nest sites from prior breeding seasons.
- 129th Meeting of the American Ornithologists Union (2011) **D.P. Shustack** and A.D. Rodewald. Interannual territory, mate and nest site fidelity in Acadian Flycatchers.
- 129th Meeting of the American Ornithologists Union (2011) A.D. Rodewald, **D.P. Shustack**, and T.M. Jones. Dynamic selective environments and evolutionary traps in human-dominated landscapes.
- 95th Ecological Society of America Annual Meeting. (2010) A.D. Rodewald, L.J.Kearns and **D.P. Shustack**. Anthropogenic resource subsidies decouple predator-prey relationships.
- 91st meeting of the Wilson Ornithological Society (2010). **D. P Shustack** and A.D. Rodewald. Nest predation reduces benefits to early clutch initiation in an urbanized landscape.
- 127th Meeting of the American Ornithologists Union (2009). **D. P. Shustack**. How many nests are in the population? A systematic evaluation of the Horvitz-Thompson estimator for nests present but undetected.
- 127th Meeting of the American Ornithologists Union (2009). A. D. Rodewald, L.J. Kearns, and **D. P. Shustack**. Urbanization does not reduce avian nest survival in forest parks.
- Urban Wildlife Ecology & Management Conference (2009). **D.P. Shustack** and A.D. Rodewald. No apparent benefit to early breeding by Northern Cardinals in urban and rural forests.
- 126th Meeting of the American Ornithologists’ Union (2008). **D.P. Shustack** and A.D. Rodewald. Are urban forests underutilized by Neotropical migratory bird species?
- 126th Meeting of the American Ornithologists’ Union (2008). A.D. Rodewald, **D.P. Shustack** and L.E. Hitchcock. Exotic shrubs as ephemeral ecologist traps for nesting birds.
- 22nd Annual Edward F. Hayes Graduate Research Forum (2008) **D. P. Shustack**. Reproductive phenology of a Neotropical migratory bird across an urban to rural gradient.
- 5th Annual Ohio Natural History Conference (2008) **D. P. Shustack**, A.D. Rodewald, and T.A. Waite. Advanced green-up in urban forests: compositional differences or intraspecific variation?
- 34th Annual Natural Areas Association Conference (2007) **D. P. Shustack** and A. D. Rodewald. The urban heat island and vegetation phenology.
- 14th Annual Meeting of The Wildlife Society. **D. P. Shustack** and A. D. Rodewald. (2007). Why are there lower densities of migrant songbirds in urban forests? A modeling approach.

- 14th Annual Meeting of The Wildlife Society . A.D. Rodewald and **D. P. Shustack**. (2007). Urban flight: understanding individual and population-level responses of Nearctic-Neotropical migratory birds to urbanization (presenting author).
- 125th Meeting of the American Ornithologists' Union. A. D. Rodewald and **D. P. Shustack**. (2007). Urban flight: understanding individual and population-level responses of Nearctic-Neotropical migratory birds to urbanization.
- 4th North American Ornithological Conference (2006). **D. P. Shustack** and A. D. Rodewald. Reproductive timing of resident and migrant songbirds across an urban to rural gradient.
- 46th Ohio Fish and Wildlife Conference (2006). **D. P. Shustack** and A. D. Rodewald. Attenuated nesting seasons in urban forests: an overlooked consequence of urbanization?
- 12th Annual Meeting of The Wildlife Society (2005). **D. P. Shustack** and A. D. Rodewald. Attenuated nesting seasons in urban forests: an overlooked consequence of urbanization?
- 122nd Stated Meeting of the American Ornithologist Union (2004). A. M. Strong, N. G. Perlut, **D. P. Shustack**, and K. A. Puryear. Land use patterns as an ecological trap for Bobolinks in the Champlain Valley.
- Howard Hughes Undergraduate Research Fellowship Poster Session at the University of Illinois (1999) **D. P. Shustack**. Recreated grasslands as habitat for grassland birds.

INVITED AND OUTREACH PRESENTATIONS

- Bird Conservation: We are not Finished. Berkshire Botanical Gardens Opening of the Lost Bird Project, August 2024
- Simply complex: Outwitting and Being Outwitted by a Literal Bird Brain. MCLA Founder's Weekend, June 2022
- Should I stay or should I go? Migration and ecology of the dark-eyed Junco, MCLA Homecoming. October 2020
- Well-kept secrets of our juncos, Hoffman Bird Club. September 2020.
- Natural History of Veery (*Catharus fuscescens*) the Berkshires. Hoffman Bird Club, March 2019.
- Climate Change in the Berkshires, Berkshire Conservation District Annual Meeting, Nov 2018
- Wildlife and Climate Change. Osher Life Long Learning Institute at the Berkshire Community College, October 2017
- The Secondary Market for Bird Feathers: what happens when birds don't "want" them anymore? Hoffman Bird Club Monthly Meeting, March 2016
- Climate Change: The Current Science of Terrestrial Ecosystems: Osher Lifelong Learning Institute at the Berkshire Community College, Sept 2013
- Human Impact on the Environment: Osher Lifelong Learning Institute at the Berkshire Community College, September-October 2010 (6 lectures)
- Impacts of Urbanization on Birds: Osher Lifelong Learning Institute at the Berkshire Community College, April 2010
- Avian Reproductive Phenology: Examples from an Urbanizing Landscape, Ohio Phenology Network Annual Workshop, March 2008

- Cool Birds in the Hot City: Patterns of Avian Reproductive Phenology in Urban and Rural Forests, School of Environment and Natural Resource Seminar Series, February 2008
- City Birds and Country Chippers, Student Chapter of the Wildlife Society at Ohio State, February 2005
- Regular presenter and instructor for homeschool and grade school science programs, grade school and summer camps visiting MCLA campus, and civic organizations.

AWARDS and FUNDING

- Faculty Sabbatical Research Award “Annual movements and migratory connectivity of songbirds: filling in critical information need to conserve common species. MCLA. (2021), \$3,000.
- Jed Burt Undergraduate Mentoring Grant (with H. Wait). Establishing migratory connectivity of overwintering slate-colored juncos (*Junco hyemalis hyemalis*) using stable isotopes (2019), \$3000
- Faculty Research Award “Revealing the migration behavior of the Veery (*Catharus fuscescens*), a neotropical migratory songbird, with geolocators,” (2018), \$2000
- Blake-Nuttall Award, Nuttall Ornithological Club, “Migration Behavior of Veery,” (2017), \$2340
- Faculty Curriculum Development Award, Massachusetts College of Liberal Arts (2010)
- Faculty Curriculum Development Award, Massachusetts College of Liberal Arts (2009)
- AOU Student Travel Award (2008), \$350
- Hayes Graduate Research Forum, First Place (2008), \$850
- Ray Travel Award, Counsel of Graduate Students, The Ohio State University (2007), \$574
- OARDC Graduate Research Enhancement Grant (2005), \$5,000
- Gradroots Minigrant, School of Environment and Natural Resources, The Ohio State University (2005), \$100
- Director’s Associateship Award, Ohio State University, Ohio Agricultural Research and Development Center (2004), \$18,000 + tuition
- Graduate Student Summer Research Fellowship, University of Vermont (2003), \$2,000
- Howard Hughes Undergraduate Research Fellowship, University of Illinois (1999), \$2,400
- Edward C. Hammond, Jr. Memorial Scholarship, Eberly College of Science, The Pennsylvania State University (1999), \$1,500

PROFESSIONAL SERVICE

Reviewer for peer-reviewed journals: Journal of Field Ornithology, Ecology Letters, Auk, Ecology, Journal of Environmental Management, Journal of Avian Biology, Biotropica, Condor, Wilson Journal of Ornithology, Ecology and Evolution, Conservation Letters, Ecological Applications, Ecosphere, Ethology, Urban Ecosystems, American Midland Naturalist, Avian Conservation and Ecology, Northeastern Naturalist, Florida Field Naturalist

Reviewer for the Wilson Ornithological Society Student Research Awards (spring 2013). NSF reviewer (fall 2014, 2015)

Reaccreditation Visiting Team for New England Commission of Higher Education (formerly New England Association of Schools and Colleges; NEASC) to Sterling College (April 2016); College of the Atlantic (Oct 2017), Goddard College (July 2020)

Committees:

- Committee on Promotions, Massachusetts College of Liberal Arts, 2017-2018, 2019-2021, 2022-2023
- Academic Policies Committee, Chair, Massachusetts College of Liberal Arts 2016-2017
- Local Committee for the Annual Berkshire Natural History Conference, Nov 2016 & Oct 2022
- Curriculum Committee, Massachusetts College of Liberal Arts, spring 2015
- Faculty Association Committee, Member-at-large; 2012-2014
- All College Committee, Massachusetts College of Liberal Arts, 2012-2014
- Collections Committee, Berkshire Museum, Pittsfield MA, May 2009-March 2017
- Academic Policies Committee, Massachusetts College of Liberal Arts, 2009-2012, 2016-2017
- Sustainability Committee, Massachusetts College of Liberal Arts, September 2008- 2012.
- Academic Affairs Committee, graduate student representative, School of Environment and Natural Resources, The Ohio State University, October 2007-March 2008.
- School of Environment and Natural Resources seminar committee, graduate student representative, October 2007-May 2008
- School of Environment and Natural Resources Brown Bag Lunch Discussion founder and organizer, August 2007-March 2008.
- Graduate Studies Committee, Ph.D. representative, School of Environment and Natural Resources, The Ohio State University, October 2006-September 2007
- Proposal Reviewer, Ohio Agricultural and Research Development Center graduate student proposal competition. 2006-2007
- Gradroots Minigrant committee, School of Environment and Natural Resources, The Ohio State, University, 2004-2005, 2006-2007.

PROFESSIONAL MEMBERSHIPS

Wilson Ornithological Society (2008-)
Association of Field Ornithologists (2008-)
Cooper Ornithological Society (2008-)
American Ornithologist Society (2005-)
The Wildlife Society (2005-)
Hoffman Bird Club (2009-)

Updated 13 Sept 2024