

**Daniel P. Shustack**

Associate 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

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

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**

**Wildlife Ecology and Management (ENVI 36), Instructor**, Massachusetts College of Liberal Arts, 2020 (11 students)

**Environmental Interpretation (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, 2018, 2020 (4 students)

**Landscape History (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, 2017 (~10 students)

**Representations of Nature (CCAP 300, online course), Instructor**, Massachusetts College of Liberal Arts, summers (~15 students)

**Nature of New England (ENVI 225, and labs), Instructor**, Massachusetts College of Liberal Arts, fall and summers (~27 students)

**Global Change in the Environment (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, fall 2012 (3 students)

**Everglades and South Florida (ENVI 355), Instructor**, Massachusetts College of Liberal Arts, January in alternate years, (online course + 9 day field trip to Florida; 9 students)

**The Changing North American Landscape (CCAP 300), Instructor**, Massachusetts College of Liberal Arts, (~20 students)

**Natural History and Communities (ENVI 350), Instructor**, Massachusetts College of Liberal Arts, fall 2009 (7 students)

**Ornithology (ENVI 351/BIOL 351), Instructor**, Massachusetts College of Liberal Arts, alternate years (4-16 students)

**Environmental Sustainability/Honors Environmental Resources: Science and Management (ENVI 152), Instructor**, Massachusetts College of Liberal Arts, spring semesters (~20 students)

**Introduction to Environmental Systems (ENVI 150), Instructor**, Massachusetts College of Liberal Arts, fall semesters and summer session (hybrid course) (~8-28 students)

**Green Living Seminar: Issues and Approaches to Avian Conservation (ENVI 260), Instructor,** Massachusetts College of Liberal Arts, fall 2008 (7 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**

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/](http://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 author)

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

137<sup>th</sup> 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

136<sup>th</sup> Meeting of the American Ornithological Society (2018) **D.P.Shustack**. Secondary “Market” for Bird Feathers: what happens to feathers after birds shed them?

6<sup>th</sup> North American Ornithological Congress (2016) **D.P.Shustack**.. Habitat Selection and Nest Site Fidelity: Are we asking the right question?

131<sup>st</sup> 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.

129<sup>th</sup> Meeting of the American Ornithologists Union (2011) **D.P. Shustack** and A.D. Rodewald. Interannual territory, mate and nest site fidelity in Acadian Flycatchers.

129<sup>th</sup> 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.

95<sup>th</sup> Ecological Society of America Annual Meeting. (2010) A.D. Rodewald, L.J.Kearns and **D.P. Shustack**. Anthropogenic resource subsidies decouple predator-prey relationships.

91<sup>st</sup> 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.

127<sup>th</sup> 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.

127<sup>th</sup> 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.

126<sup>th</sup> Meeting of the American Ornithologists' Union (2008). **D.P. Shustack** and A.D. Rodewald. Are urban forests underutilized by Neotropical migratory bird species?

126<sup>th</sup> 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.

22<sup>nd</sup> Annual Edward F. Hayes Graduate Research Forum (2008) **D. P. Shustack**. Reproductive phenology of a Neotropical migratory bird across an urban to rural gradient.

5<sup>th</sup> 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?

34<sup>th</sup> Annual Natural Areas Association Conference (2007) **D. P. Shustack** and A. D. Rodewald. The urban heat island and vegetation phenology.

14<sup>th</sup> 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.

14<sup>th</sup> 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).

125<sup>th</sup> 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.

4<sup>th</sup> 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.

46<sup>th</sup> Ohio Fish and Wildlife Conference (2006). **D. P. Shustack** and A. D. Rodewald. Attenuated nesting seasons in urban forests: an overlooked consequence of urbanization?

12<sup>th</sup> 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?

122<sup>nd</sup> 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

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 Life Long Learning Institute at the Berkshire Community College, Sept 2013

Human Impact on the Environment: Osher Life Long Learning Institute at the Berkshire Community College, September-October 2010 (6 lectures)

Impacts of Urbanization on Birds: Osher Life Long 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 science programs, grade school and summer camps visiting MCLA campus, and civic organizations.

### **AWARDS and FUNDING**

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-Nuttal 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.

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

**Reaccreditation Visiting Team** for 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 and Tenure, Massachusetts College of Liberal Arts, 2017-2018, 2019-2021  
Academic Policies Committee, Chair, Massachusetts College of Liberal Arts 2016-2017  
Local Committee for the 2<sup>nd</sup> Annual Berkshire Natural History Conference, hosted by MCLA, Nov 2016  
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-  
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  
Terrestrial Wildlife Ecology Laboratory Computer Committee, School of Environment and Natural Resources. September 2006- August 2008.  
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.

Graduate Office Space committee, Rubenstein School of Environment and Natural Resources, The University of Vermont, 2002-2003

### **PROFESSIONAL MEMBERSHIPS**

American Ornithologist Union (2005-)

The Wildlife Society (2005-)

Natural Areas Association (2007-)

Association of Field Ornithologists (2008-)

Wilson Ornithological Society (2008-)

Cooper Ornithological Society (2008-)

Hoffman Bird Club (2009-)

American Institute of Biological Sciences (2004-2009)

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