

CURRICULUM VITAE

HENRY M. STREBY

Website: www.henrystreby.com

Assistant Professor of Ecology
University of Toledo
Department of Environmental Sciences

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EDUCATION

Ph.D. University of Minnesota – St. Paul, Minnesota (November 2010)
Minnesota Cooperative Fish and Wildlife Research Unit
Major: Wildlife Ecology and Management
Minor: Statistics

M.S. Ohio University – Athens, Ohio (June 2005)
Major: Ecology and Evolutionary Biology

B.S. Ohio University – Athens, Ohio (November 2001)
Major: Wildlife Biology
Certificate: Environmental Studies

Additional postgraduate education

2008, Preparing Future Faculty Program: University of Minnesota, St. Paul, Minnesota
2004, Organization for Tropical Studies 04-1 Tropical Biology: Universidad de Costa Rica

PROFESSIONAL APPOINTMENTS

August 2016 – Present
Assistant Professor of Ecology
University of Toledo, Department of Environmental Sciences

August 2015 – August 2016
Research Assistant Professor
University of Toledo, Department of Environmental Sciences

October 2015 – Present
Adjunct Assistant Professor
University of Tennessee, Department of Forestry Wildlife and Fisheries

April 2012 – Present

Adjunct Assistant Professor

University of Minnesota, Department of Fisheries, Wildlife, and Conservation Biology

August 2012 – July 2015

National Science Foundation Postdoctoral Research Fellow in Biology

Project: Range-wide migratory ecology and connectivity for full-life-cycle conservation of a climate-sensitive hybridizing songbird species complex: A large-scale collaboration including light-level geolocation, stable isotopes, genetics, color, and song analysis.

Sponsor: David A. Buehler, University of Tennessee, Department of Forestry Wildlife and Fisheries

August 2012 – July 2015

Visiting Research Scholar

University of California, Berkeley, Dept. of Environmental Science, Policy, and Management

December 2010 – August 2012

Postdoctoral Research Associate

University of Minnesota, Minnesota Cooperative Fish and Wildlife Research Unit

PEER-REVIEWED PUBLICATIONS

All papers (pdf) are available at <www.henrystreby.com>

2018

37. Refsnider, J.M., S.S. Qian, **H.M. Streby**, S.E. Carter, I.T. Clifton, A.D. Siefker, and T.K. Vasquez. Reciprocally-transplanted lizards along an elevational gradient match light-environment use of local lizards via phenotypic plasticity. *In press*.
36. Kramer, G.R., D.E. Andersen, D.A. Buehler, P.B. Wood, S.M. Peterson, J.A. Lehman, K.R. Aldinger, L.P. Bulluck, S. Harding, J.A. Jones, J.P. Loegering, C. Smalling, R. Vallender, and **H.M. Streby**. 2018. Population trends in *Vermivora* warblers are linked to strong migratory connectivity. *Proceedings of the National Academy of Sciences*. *In press*.
35. **Streby, H.M.**, G.R. Kramer, S.M. Peterson, and D.E. Andersen. 2018. Evaluating outcomes of management targeting the recovery of a migratory songbird of conservation concern. *PeerJ* DOI 10.7717/peerj.4319.
34. **Streby, H.M.**, G.R. Kramer, S.M. Peterson, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2018. Carefully interpreted light-level geolocator data can lead to the discovery of interesting animal behavior (Response to Lisovski et al.). *Current Biology* 28:101-102.

2017

33. **Streby, H.M.** and G.R. Kramer. 2017. Comment on "Mixed effects of geolocators on reproduction and survival of Cerulean Warblers, a canopy-dwelling, long-distance migrant". *The Condor: Ornithological Applications* 119:848-851.
32. Kramer, G.R., **H.M. Streby**, S.M. Peterson, J.A. Lehman, D.A. Buehler, P.B. Wood, D.J. McNeil, J.L. Larkin, and D.E. Andersen. 2017. Nonbreeding isolation and population-specific migration patterns among three populations of golden-winged warblers. *The Condor: Ornithological Applications* 119:108-121.

2016

31. Peterson, S.M., **H.M. Streby**, and D.E. Andersen. 2016. Spatially explicit models of full-season productivity and implications for landscape management of golden-winged warblers in the western Great Lakes region. Pp. 141-160 in H.M. Streby, D.E. Andersen, and D.A. Buehler, editors. Golden-winged warbler ecology, conservation, and management. Studies in Avian Biology (no. 49) CRC Press. Boca Raton, FL, USA.
30. Peterson, S.M., **H.M. Streby**, and D.E. Andersen. 2016. Management implications of brood division in golden-winged warblers. Pp. 161-171 in H.M. Streby, D.E. Andersen, and D.A. Buehler, editors. Golden-winged warbler ecology, conservation, and management. Studies in Avian Biology (no. 49) CRC Press. Boca Raton, FL, USA.
29. **Streby, H.M.**, S.M. Peterson, and D.E. Andersen. 2016. Golden-winged warbler fledgling habitat use and survival in the western Great Lakes region. Pp. 127-140 in H.M. Streby, D.E. Andersen, and D.A. Buehler, editors. Golden-winged warbler ecology, conservation, and management. Studies in Avian Biology (no. 49) CRC Press. Boca Raton, FL, USA.
28. **Streby, H.M.**, R.W. Rohrbaugh, D.A. Buehler, D.E. Andersen, R. Vallender, D.I. King, and T. Will. 2016. Research on golden-winged warblers: recent progress and current needs. Pp. 217-227 in H.M. Streby, D.E. Andersen, and D.A. Buehler, editors. Golden-winged warbler ecology, conservation, and management. Studies in Avian Biology (no. 49) CRC Press. Boca Raton, FL, USA.

2015

27. Peterson, S.M., **H.M. Streby**, G.R. Kramer, A.C. Fish, and D.E. Andersen. 2015. High tech or field techs: radio telemetry is a cost-effective method for reducing bias in songbird nest searching. Condor: Ornithological Applications 117:386-395.
26. **Streby, H.M.**, G.R. Kramer, S.M. Peterson, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2015. Tornadoic storm avoidance behavior in breeding songbirds. Current Biology 25:249-255.
-reached 99th percentile of all articles ever tracked by Altmetric in less than 48 hours-
25. **Streby, H.M.**, S.M. Peterson, G.R. Kramer, and D.E. Andersen. 2015. Post-independence fledgling ecology in a migratory songbird: implications for breeding-grounds conservation. Animal Conservation 18:228-235.
24. **Streby, H.M.**, T.L. McAllister, G.R. Kramer, S.M. Peterson, J.A. Lehman, and D.E. Andersen. 2015. Minimizing marker mass and handling time when attaching radio transmitters and geolocators to small songbirds. Condor: Ornithological Applications 117:256-261.
23. Peterson, S.M., G.R. Kramer, **H.M. Streby**, J.A. Lehman, D.A. Buehler, and D.E. Andersen. 2015. Geolocators on golden-winged warblers do not affect migratory ecology. Condor: Ornithological Applications 117:249-255.

2014

22. **Streby, H.M.**, J.M. Refsnider, and D.E. Andersen. 2014. Redefining reproductive success in songbirds: moving beyond the nest-success paradigm. Auk: Ornithological Advances. 131:718-726.
21. **Streby, H.M.**, J.M. Refsnider, S.M. Peterson, and D.E. Andersen. 2014. Retirement investment theory explains patterns in songbird nest-site choice. Proceedings of the Royal Society B 281:20131834. *-Cover Image-*
20. **Streby, H.M.**, S.M. Peterson, J.A. Lehman, G.R. Kramer, B.J. Vernasco, and D.E. Andersen. 2014. Do digestive contents confound body mass as a measure of relative condition in nestling songbirds? Wildlife Society Bulletin 38:305-310.

2013

19. **Streby, H.M.** and D.E. Andersen. 2013. Movements, cover-type selection, and survival of fledgling ovenbirds in managed deciduous and mixed-coniferous forests. Forest Ecology and Management 287:9-16.
18. **Streby, H.M.**, S.M. Peterson, J.A. Lehman, G.R. Kramer, K.J. Iknayan, and D.E. Andersen. 2013. The effects of force-fledging and premature fledging on the survival of nestling songbirds. Ibis 155:616-620.
17. **Streby, H.M.** and D.E. Andersen. 2013. Survival of fledgling ovenbirds: influences of habitat characteristics at multiple spatial scales. Condor 115:403-410.
16. **Streby, H.M.** and D.E. Andersen. 2013. Testing common assumptions in studies of songbird nest success. Ibis 155:327-337.
15. **Streby, H.M.**, B. Scholtens, A.P. Monroe, S.M. Peterson, and D.E. Andersen. 2013. The Ovenbird (*Seiurus aurocapilla*) as model for testing food-value theory. American Midland Naturalist 169:214-220.
14. **Streby, H.M.**, S.M. Peterson, C.F. Gesmundo, M.K. Johnson, A.C. Fish, J.A. Lehman, and D.E. Andersen. 2013. Radio-transmitters do not affect seasonal productivity of female golden-winged warblers. Journal of Field Ornithology 84:316-321.

2012

13. **Streby, H.M.** and D.E. Andersen. 2012. Movements and cover-type selection by fledgling ovenbirds after independence from adult care. Wilson Journal of Ornithology 124:621-626.
12. **Streby, H.M.**, J.P. Loegering, and D.E. Andersen. 2012. Spot mapping underestimates song-territory size and use of mature forest by breeding male golden-winged warblers in Minnesota, USA. Wildlife Society Bulletin 36:40-46. -Cover Image-
11. Peterson, S.M., **H.M. Streby**, and D.E. Andersen. 2012. Effects of brood parasitism by brown-headed cowbirds may persist into post-fledging. Wilson Journal of Ornithology 124:183-186.

2011

10. **Streby, H.M.** and D.E. Andersen. 2011. Seasonal productivity in a population of migratory songbirds: why nest data are not enough. Ecosphere 2(78):1-15.
9. **Streby, H.M.**, S.M. Peterson, T.L. McAllister, and D.E. Andersen. 2011. Use of early-successional managed northern forest by mature-forest species during the post-fledging period. Condor 113:817-824.
8. **Streby, H.M.**, S.M. Peterson, and D.E. Andersen. 2011. Invertebrate availability and vegetation characteristics explain use of non-nesting cover types by mature forest songbirds during the post-fledging period. Journal of Field Ornithology 82:406-414.
7. Refsnider, J.M., T.S. Mitchell, **H.M. Streby**, J.T. Strickland, D.A. Warner, and F.J. Janzen. 2011. A generalized method to determine detectability of rare and cryptic species using the ornate box turtle as a model. Wildlife Society Bulletin 35:93-100.
6. Brinkerhoff, R.J., C. Folsom-O'Keefe, **H.M. Streby**, S.J. Bent, K. Tsao, D. Fish, and M. Diuk-Wasser. 2011. Regional variation in immature *Ixodes scapularis* parasitism on North American songbirds: implications for the spread of the Lyme pathogen, *Borrelia burgdorferi*. Journal of Medical Entomology 48:422-428.
5. Kapfer, P.M., **H.M. Streby**, B. Gurung, A. Simcharoen, C.C. McDougal, and J.L.D. Smith. 2011. Fine-scale spatiotemporal variation in tiger (*Panthera tigris*) diet in Chitwan National Park, Nepal. Wildlife Biology 17:1-9.

2010 and Earlier

4. **Streby, H.M.** and D.B. Miles. 2010. Assessing ecosystem restoration alternatives in eastern deciduous hardwood forest using avian nest survival. Open Environmental Sciences 4:39-48.
3. **Streby, H.M.**, S.M. Peterson, and P.M. Kapfer. 2009. Fledging success is a poor indicator of the effects of blow fly infestation on ovenbird survival. Condor 111:193-197.
2. **Streby, H.M.**, J.M. Refsnider, S.M. Peterson, and D.E. Andersen. 2008. Barred owl predation on hermit thrush and ovenbird fledglings. Journal of Raptor Research 42:296-298.
1. Refsnider, J., J. Moore, and **H. Streby**. 2008. *Sphenodon punctatus* (common tuatara): prey detection. Herpetological Review 39:347-348.

Citation Indices (Google Scholar)

(as of February 2018)

Citations	484
h-index	14
i10-index	19

Edited Volume

Streby, H.M., D.E. Andersen, and D.A. Buehler, Eds. 2016. Golden-winged Warbler Ecology, Conservation, and Habitat Management. Studies in Avian Biology. CRC Press. Boca Raton, Florida, USA.

Technical Reports Authored

- Kramer, G.R., **H.M. Streby**, S.M. Peterson, and D.E. Andersen. 2017. Range-wide migratory connectivity for full-cycle conservation of the golden-winged warbler, a climate-sensitive songbird of highest conservation concern: Annual Summary Report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
- Streby, H.M.**, G.R. Kramer, S.M. Peterson, and D.E. Andersen. 2016. Range-wide migratory connectivity for full-cycle conservation of the golden-winged warbler, a climate-sensitive songbird of highest conservation concern: Annual Summary Report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
- Kramer, G.R., **H.M. Streby**, S.M. Peterson, and D.E. Andersen. 2015. Range-wide migratory connectivity for full-cycle conservation of the golden-winged warbler, a climate-sensitive songbird of highest conservation concern: Annual Summary Report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
- Kramer, G.R., **H.M. Streby**, S.M. Peterson, and D.E. Andersen. 2014. Range-wide migratory connectivity for full-cycle conservation of the golden-winged warbler, a climate-sensitive songbird of highest conservation concern: Annual Summary Report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
- Streby, H.M.**, G.R. Kramer, S.M. Peterson, and D.E. Andersen. 2013. Range-wide migratory connectivity for full-cycle conservation of the golden-winged warbler, a climate-sensitive songbird of highest conservation concern: Annual Summary Report. Research Work Order 98, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.
- Streby, H.M.**, S.M. Peterson, and D.E. Andersen. 2013. Golden-winged warbler demography and habitat associations in Minnesota. Final Report to Minnesota Department of Natural Resources and U.S. Fish and Wildlife Service.
- Streby, H.M.** and D.E. Andersen. 2011. Nesting success of golden-winged warblers in managed forests of northern Minnesota. Report to Minnesota Department of Natural Resources.
- Streby, H.M.**, S.M. Peterson, and D.E. Andersen. 2010, 2011, 2012, and 2013. Demographic response of golden-winged warbler to habitat and management across a climate change gradient

in the core of the species' range: Annual Summary Reports. Research Work Order 87, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.

Streby, H.M. and D.E. Andersen. 2006, 2007, 2008, 2009, and 2010. Habitat use of post-fledging forest-nesting songbirds in northern hardwood-coniferous forests in northern Minnesota: Annual Summary Reports and Final Report. Research Work Order 73, U.S. Geological Survey, Minnesota Cooperative Fish and Wildlife Research Unit.

GRADUATE STUDENT ADVISING

Andrea L. Crary, Ph.D. University of Toledo *2017 – Present*
Dissertation topic: Analysis of long-term banding datasets

R. Kyle Pagel, M.S., University of Toledo *2017 – Present*
Thesis topic: Annual cycle ecology in Red-headed Woodpeckers

Sarah E. Fischer, M.S., University of Toledo *2017 – Present*
Thesis topic: Annual cycle ecology in Gray Vireos

Gunnar R. Kramer, Ph.D., University of Toledo *2016 – Present*
Co-advised with Dr. David E. Andersen, USGS
Dissertation topic: Range-wide migration ecology and annual cycle conservation of golden-winged warblers.

Gunnar R. Kramer, M.S., University of Minnesota *2013 – 2016*
Co-advised with Dr. David E. Andersen, USGS
Thesis: Spatially explicit models of full-season productivity in a game bird and migration ecology in a songbird of conservation concern

Sean M. Peterson, M.S., University of Minnesota *2011 – 2014*
Co-advised with Dr. David E. Andersen, USGS
Thesis: Landscape productivity and the ecology of brood division in golden-winged warblers in the western Great Lakes region.

GRADUATE COMMITTEES SERVED

Ian T. Clifton, Ph.D., University of Toledo *2017 - Present*
Advised by Dr. Jeanine M. Refsnider, University of Toledo

Stephanie A. Nummer, Ph.D., University of Toledo *2017 - Present*
Advised by Dr. Song S. Qian, University of Toledo

Jessica A. Garcia, M.S., University of Toledo *2017 - Present*
Advised by Dr. Jeanine M. Refsnider, University of Toledo

Tyara K. Vazquez, M.S., University of Toledo *2015 - Present*
Advised by Dr. Jeanine M. Refsnider, University of Toledo

Justin A. Lehman, M.S., University of Tennessee *2013 – Present*

Advised by Dr. David A. Buehler, University of Tennessee

Clay Delancy, M.S., Ball State University 2016 – Present
 Advised by Dr. Kamal Islam, Ball State university

GRANTS, AWARDS, AND RESEARCH FUNDING

The Wildlife Society, Best Edited Volume		2017
Competitive State Wildlife Grant		
With Ohio DNR and Michigan DNR, from USFWS	\$425,602	2017
USFWS Sub-award through The Nature Conservancy	\$ 21,067	2017
The Conservation Fund Research Grant		
With Black Swamp Bird Observatory	\$ 20,972	2016
National Geographic Society Research and Exploration Grant (successful application but funding not accepted)	\$ 17,600	2015
Cooper Ornithological Society Young Professional Award	\$ 1,300	2013
National Science Foundation Postdoctoral Research Fellowship	\$189,000	2012
U.S. Geological Survey Cooperative Research Unit Funds	\$ 63,000	2012
U.S. Fish and Wildlife Service, Region 3	\$ 51,000	2012
U.S. Fish and Wildlife Service and U.S. Geological Survey, Science Support Partnership	\$150,000	2012
Minnesota Department of Natural Resources, State Wildlife Grant	\$ 64,225	2012
U.S. Fish and Wildlife Service	\$ 2,400	2011
Minnesota Department of Natural Resources, State Wildlife Grant	\$ 14,500	2011
U.S. Fish and Wildlife Service, Region 3 Strategic Conservation Team Achievement Award	-	2011
Cooper Ornithological Society Student Membership Award	-	2010
Doctoral Dissertation Fellowship, University of Minnesota	\$ 22,500	2009
Dayton-Wilkie Research Fellowship, Bell Museum of Natural History	\$ 900	2009
Dayton-Wilkie Research Fellowship, Bell Museum of Natural History	\$ 800	2008
Most Outstanding MS Student, Ohio University, Dept. of Biol. Sciences-		2005
Best Graduate Research Presentation, Ohio University Research Fair	\$ 400	2005
Organization for Tropical Studies Tuition Award	\$ 3,000	2004
Sandpiper Technologies Research Equipment Grant	\$ 9,275	2004
American Ornithologists' Union Student Membership Award	-	2003
Knox County (Ohio) Applied Science Scholarship	\$ 600	1997
1 st Place, Knox County (Ohio) Science Fair	\$ 100	1991

FUNDED PROPOSALS WRITTEN WITHOUT AUTHORSHIP

(with PI David E. Andersen, USGS, Minnesota Cooperative Fish and Wildlife Research Unit)

U.S. Fish and Wildlife Service Region 3 Migratory Bird Program	\$ 69,686	2012
U.S. Fish and Wildlife Service	\$ 50,000	2011
U.S. Geological Survey, Cooperative Research Unit Funds	\$ 8,000	2010
U.S. Fish and Wildlife Service	\$ 92,000	2010
U.S. Fish and Wildlife Service Region 3 Flex Funding Program	\$ 41,268	2010
U.S. Fish and Wildlife Service Region 3 Migratory Bird Program	\$ 38,909	2010
U.S. Geological Survey, Cooperative Research Unit Funds	\$ 2,914	2009

U.S. Fish and Wildlife service and U.S. Geological Survey, Science Support Partnership	\$195,000	2009
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TEACHING POSITIONS

Introduction to Environmental Sciences *Spring 2018*
University of Toledo

Avian Ecology Lab *Spring 2018*
University of Toledo

Drones in Environmental Sciences *Spring 2018*
University of Toledo

Principles of Wildlife Conservation and Management: 3 cr. *Fall 2017*
University of Toledo

Co-Instructor: Landscape Ecology: 3 cr. (with Dr. Bossenbroek) *Spring 2017*
University of Toledo

Principles of Wildlife Management *Spring 2009*
University of Minnesota

Graduate Teaching Assistant: Principles of Wildlife Management *Spring 2008*
Course Instructor - R. J. Gutiérrez Ph.D.
University of Minnesota

Graduate Teaching Assistant: Ornithology *Three (3) Fall Quarters 2002 - 2004*
Course Instructor - Donald B. Miles Ph.D.
Ohio University, Athens, Ohio

Volunteer Teaching Assistant: Comparative Vertebrate Anatomy *January - March 2003*
Course Instructors - Robert Carr Ph.D., Sue Simon-Westendorph Ph.D.
Ohio University, Athens, Ohio

More than 10 Guest Lecturers in courses at Ohio University, University of Minnesota, and University of California, Berkeley.

ADDITIONAL RESEARCH EXPERIENCE

Graduate Research Assistant *February - May 2006, September 2006 - November 2010*
University of Minnesota, St. Paul, Minnesota
Supervisor - David E. Andersen Ph.D.
USGS Minnesota Cooperative Fish and Wildlife Research Unit

Senior Research Technician *May - August 2006*

University of Minnesota, St. Paul, Minnesota
Supervisor - David E. Andersen Ph.D.
USGS Minnesota Cooperative Fish and Wildlife Research Unit

Laboratory Technician *July 2005 - February 2006*

University of Minnesota, St. Paul, Minnesota
Supervisor - Sharon Jansa Ph.D.

Graduate Research Assistant *January 2003 - July 2005*

Ohio University, Athens, Ohio
Supervisor - Donald B. Miles Ph.D.

Field and Laboratory Intern *January - May 2002*

USGS - Biological Research Division, PIERC
Supervisor - Carter Atkinson Ph.D.
USGS Biocomplexity Project, Hawaii Volcanoes National Park, Hawaii

Undergraduate Research Assistant *June - September 2000*

Ohio University, Athens, Ohio
Supervisor - Stephen Reilly Ph.D.

PROFESSIONAL CONFERENCE PRESENTATIONS

Crary, A.L., K. Kaufman, M. Shieldcastle, and **H.M. Streby**. Changes in timing of migration in northwest Ohio since 1992. Forum on Local Natural History and Research. Toledo, Ohio, February 2018.

Pagel, R.K., **H.M. Streby**, E. West. "The fledgling doesn't roam far from the nest: Red-headed Woodpecker fledgling movement patterns during the parental dependent phase. Forum on Local Natural History and Research. Toledo, Ohio, February 2018.

Kramer, G., D. Andersen, D. Buehler, P. Wood, S. Peterson, K. Aldinger, L. Bulluck, B. Gray, S. Harding, J. Jones, D. King, J. Loegering, D. Miles, C. Smalling, R. Vallendar, and **H. Streby**. "Range-wide patterns of migratory connectivity and non-breeding distribution of *Vermivora* warblers. 78th Midwest Fish and Wildlife Conference, Milwaukee, Wisconsin, January 2018.

Fischer, S., **H. Streby**, K. Granillo. And C. Nemes. "Tracking desert songbirds: the post-fledging period in Gray Vireos (*Vireo vicinior*). 78th Midwest Fish and Wildlife Conference, Milwaukee, Wisconsin, January 2018.

Kramer, Gunnar R., Kyle O. Daly, **Henry M. Streby**, and David E. Andersen. "A spatially explicit method for estimating the effects of landscape composition and configuration on full-season productivity of American Woodcock in Minnesota." 11th American Woodcock Symposium, Roscommon, Michigan, October 2017.

Kramer, Gunnar R., David E. Andersen, David A. Buehler, Petra B. Wood, Sean M. Peterson, Justin A. Lehman, Kyle Aldinger, Lesley Bulluck, Brandon Gray, Sergio Harding, John Jones, David King, Jeffrey Larkin, John Loegering, Darin McNeil, Donald Miles, Curtis Smalling, Rachel Vallender, **Henry M. Streby**. "Range-wide patterns of migratory connectivity and nonbreeding distribution of Golden-winged Warblers and Blue-winged Warblers". Ohio Avian Research Conference, Granville, Ohio, October 2017.

-Winner- The Dr. David Osborne Award.

- Kramer, Gunnar R., David E. Andersen, David A. Buehler, Petra B. Wood, Sean M. Peterson, Justin A. Lehman, Kyle Aldinger, Lesley Bulluck, Brandon Gray, Sergio Harding, John Jones, David King, Jeffrey Larkin, John Loegering, Darin McNeil, Donald Miles, Curtis Smalling, Rachel Vallender, **Henry M. Streby**. “Range-wide migration patterns and distribution of *Vermivora* warblers during the nonbreeding period”. Meeting of the American Ornithological Society 2017. East Lansing, Michigan, August 2017.
- Pagel, R. Kyle, Gunnar R. Kramer, Cassandra L. Ziegler, Katelyn Maley, and **Henry M. Streby**. “Say what? Inter-annual, inter-specific song switching in Golden- and Blue-winged Warblers”. Meeting of the American Ornithological Society 2017. East Lansing, Michigan, August 2017.
- Raybuck, D., Darin J. McNeil, Scott H. Stoleson, Than J. Boves, Cameron J. Fiss, Jeffrey L. Larkin, Gunnar R. Kramer, **Henry M. Streby**, Justin A. Lehman, David A. Buehler. Geolocators on 9-10g birds: are there breeding or annual fitness effects on Cerulean and Golden-winged Warblers? Meeting of the American Ornithological Society 2017. East Lansing, Michigan, August 2017.
- Buehler, David A., Gunnar R. Kramer, Sean M. Peterson, Justin A. Lehman, Darin J. McNeil, Jeffery L. Larkin, David E. Andersen, Petra Wood, and **Henry M. Streby**. New insights into the migration ecology and full life cycle conservation of Golden-winged Warblers. Annual meeting of the Tennessee Ornithological Society, Knoxville, Tennessee, May 2017.
- Kramer, Gunnar R., **Henry M. Streby (presenter)**, Sean M. Peterson, Justin A. Lehman, David A. Buehler, Petra B. Wood, Darin J. McNeil, Jeffery L. Larkin, and David E. Andersen. “Nonbreeding isolation and population specific migration routes among three populations of golden-winged warblers.” Society for Integrative and Comparative Biology annual meeting, New Orleans, Louisiana, January 2017.
- Refsnider, Jeanine M., Sarah E. Carter, Ian T. Clifton, Adam D. Siefker, **Henry M. Streby**, and Tiara K. Vazquez. “Plasticity in behavioral thermoregulation by lizards on an elevational gradient: A reciprocal transplant experiment.” Society for Integrative and Comparative Biology annual meeting, New Orleans, Louisiana, January 2017.
- Streby, Henry M.** “Oversimplification of habitat associations leads to unnecessary conflict and counterproductive conservation and management actions.” **Invited Symposium Presentation**. North American Ornithological Conference, Washington DC, August 2016.
- Kramer, Gunnar R., **Henry M. Streby**, Sean M. Peterson, Justin A. Lehman, David A. Buehler, Petra B. Wood, Darin J. McNeil, Jeffery L. Larkin, and David E. Andersen. “Nonbreeding isolation and population specific migration routes among three populations of golden-winged warblers.” North American Ornithological Conference, Washington DC, August 2016. -Winner- Best student presentation award.
- Streby, Henry M.**, Jeanine M. Refsnider, Sean M. Peterson, and David E. Andersen. “Songbird nest-site choice is under selection pressures from the nesting and fledgling stages.” Nest Construction and Function Conference, Lincoln, England, September 2015.
- Streby, Henry M.**, Gunnar R. Kramer, Sean M. Peterson, Justin A. Lehman, David A. Buehler, and David E. Andersen. “Evacuation migration: tornadic storm avoidance behavior in breeding warblers.” **Invited Symposium Presentation**, Cooper Ornithological Society - American Ornithologists’ Union joint meeting, Norman, Oklahoma, July 2015.
- Kramer, Gunnar R., **Henry M. Streby**, Sean M. Peterson, Justin A. Lehman, D. J. McNeil, Jeffrey L. Larkin, David A. Buehler, and David E. Andersen. “Migration and movement ecology of golden-winged warblers derived from light-level geolocators.” Cooper Ornithological Society - American Ornithologists’ Union joint meeting, Norman, Oklahoma, July 2015.
- Streby, Henry M.** “Measuring productivity in songbirds: tradeoffs between nest success and fledgling survival mean we need to study both stages.” **Invited Plenary for COS Young**

- Professional Award** – Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. "Golden-winged warbler post-fledging habitat use and survival in the western Great Lakes region." Golden-winged Warbler Symposium, Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Peterson, Sean M., **Henry M. Streby**, and David E. Andersen. "Influence of landscape composition on golden-winged warbler full-season productivity." Golden-winged Warbler Symposium, Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Peterson, Sean M., **Henry M. Streby**, and David E. Andersen. "Sex-based differences in strategies of post-fledging parental care in golden-winged warblers." Golden-winged Warbler Symposium, Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Buehler, David A., David E. Andersen, and **Henry M. Streby**. "Welcome, explanation of symposium, and introduction to golden-winged warblers." Golden-winged Warbler Symposium, Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Rohrbaugh, Ron, **Henry M. Streby**, David E. Andersen, Jeff Larkin, David A. Buehler. "Symposium summary and future directions in golden-winged warbler research and conservation." Golden-winged Warbler Symposium, Cooper Ornithological Society - American Ornithologists' Union joint meeting, Chicago, Illinois, August 2013.
- Brinkerhoff, R. Jory, Erin N. Lane (presenter), Inaayat Wazir, Maren Gimpel, and **Henry M. Streby**. "Life history characteristics of birds influence patterns of tick parasitism." Wilson Ornithological Society annual meeting, Williamsburg, Virginia, March 2013.
- Peterson, Sean M., **Henry M. Streby**, and David E. Andersen. "High tech or field techs: an analysis of cost and bias in golden-winged warbler nest searching. Midwest Fish and Wildlife Conference. December 2012.
- Streby, Henry M.** and David E. Andersen. "Thinking outside the nest: the importance of full-season research for understanding productivity and habitat associations of migratory songbirds." North American Ornithological Conference, Vancouver, British Columbia. August 2012.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. "Golden-winged Warbler demography and habitat use in Minnesota and Manitoba." Midwest Fish and Wildlife annual conference. Des Moines, Iowa. December 2011.
- Peterson, Sean M., **Henry M. Streby**, and David E. Andersen. "High tech or field techs: an analysis of cost and bias in Golden-winged Warbler nest searching techniques." Midwest Fish and Wildlife annual conference. Des Moines, Iowa. December 2011.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. "Golden-winged Warbler demography: productivity and survival in Minnesota and Manitoba." The Wildlife Society annual meeting. Waikoloa, Hawaii. November 2011.
- Streby, Henry M.** and David E. Andersen. *Invited Symposium Presentation*. "What the post-fledging period tells us that the nesting season does not." American Ornithologists Union annual meeting. Jacksonville, Florida. July 2011.
- Streby, Henry M.**, Michelle McDowell (presenter), Tom Will, and David E. Andersen. "Demographic response of Golden-winged Warbler to habitat and management across a climate change gradient in the core of the species' range. Conserving the Future: Wildlife Refuges and the Next Generation Conference. Madison, Wisconsin. July 2011.

- Streby, Henry M.**, John P. Loegering, and David E. Andersen. "Golden-winged Warbler demography: productivity and survival in northwest Minnesota in 2010." Midwest Fish and Wildlife annual conference. Minneapolis, Minnesota. December 2010.
- Streby, Henry M.** and David E. Andersen. "When is success not success? When it's songbird nesting success." Society for Integrative and Comparative Biology annual meeting. Seattle, Washington. January 2010.
- Streby, Henry M.** and David E. Andersen. "Nest success does not equal reproductive success: a case study with songbirds." Midwest Fish and Wildlife annual conference. Springfield, Illinois. December 2009.
- Streby, Henry M.** and David E. Andersen. "Edge effects and forest songbird fledgling survival: are clearcuts really all that bad?" The Wildlife Society annual meeting. Miami, Florida. November 2008.
- Streby, Henry M.** and David E. Andersen. "Post-fledging habitat use by Ovenbirds on the Chippewa National Forest." Midwest Fish and Wildlife annual conference. Madison, Wisconsin. December 2007.
- Streby, Henry M.** and David E. Andersen. "Post-fledging early-successional habitat use by forest nesting songbirds in north-central Minnesota." Minnesota Chapter of the Wildlife Society annual meeting, Alexandria, Minnesota. February 2007.
- Miles, Donald B. (presenter), **Henry M. Streby**, and Dan Weber. "Avian community responses to prescribed burns and shelterwood harvests. Fire in Eastern Oak Forests conference. October 2006.
- Streby, Henry M.** and Donald B. Miles. "Effects of the Ohio Hills Fire and Fire Surrogates experimental forests on the distribution of avian blood born diseases." Ohio Natural History Conference, Columbus, Ohio. February 2005.
- Streby, Henry M.** and Donald B. Miles. "Avian hematozoa of nesting Neotropical migrants: patterns related to forestry techniques." Society for Integrative and Comparative Biology annual meeting, San Diego, California. January 2005.
- Streby, Henry M.** and Donald B. Miles. "Response of nesting neotropical migrants to thinning and burning in mixed oak forests." Ecological Society of America annual meeting, Portland, Oregon, August 2004.

INVITED PRESENTATIONS FOR PROFESSIONALS AND/OR PUBLIC

- Streby, Henry M.**, Gunnar R. Kramer, David A. Buehler, Petra B. Wood, Sean M. Peterson, Justin A. Lehman, Kyle Aldinger, Lesley Bulluck, Brandon Gray, Sergio Harding, John Jones, David King, Jeffrey Larkin, John Loegering, Darin McNeil, Donald Miles, Curtis Smalling, Rachel Vallender, and David E. Andersen. Migratory patterns of golden-winged warblers. Way Public Library Lecture Series, Perrysburg, Ohio, March 2017.
- Streby, Henry M.**, Gunnar R. Kramer, David A. Buehler, Petra B. Wood, Sean M. Peterson, Justin A. Lehman, Kyle Aldinger, Lesley Bulluck, Brandon Gray, Sergio Harding, John Jones, David King, Jeffrey Larkin, John Loegering, Darin McNeil, Donald Miles, Curtis Smalling, Rachel Vallender, and David E. Andersen. Using tiny technology to track migration in tiny songbirds. University of Toledo Lake Erie Center Public Lecture Series, February 2017.
- Streby, Henry M.**, Gunnar R. Kramer, Sean M. Peterson, Justin A. Lehman, David A. Buehler, Petra B. Wood, Darin J. McNeil, Jeffery L. Larkin, and David E. Andersen. "Tracking golden-winged warbler migration with geolocators reveals population specific timing, routes, and wintering areas." Inland Bird Banding Association Annual Meeting, Connersville, Indiana, November 2016.

- Kramer, Gunnar R., **Henry M. Streby**, Sean M. Peterson, Justin A. Lehman, David A. Buehler, Petra B. Wood, and David E. Andersen. 2015. "There and back again: migratory behaviors of golden-winged warblers discovered using geolocators." Joint Annual Meeting: Minnesota & Wisconsin State Chapters of The Wildlife Society, Duluth, Minnesota, February 2015.
- Andersen, David E., **Henry M. Streby**, David A. Buehler, Petra B. Wood, Sean M. Peterson, Gunnar R. Kramer, and Justin A. Lehman. 2015. "Golden-winged warbler migration connectivity and ecology derived from geolocators." Iowa Chapter of The Wildlife Society Annual Meeting, Ames, Iowa. March 2015.
- Streby, Henry M.**, Gunnar R. Kramer, Sean M. Peterson, Jeanine A. Lehman, Davis A. Buehler, Petra B. Wood, and David E. Andersen. 2015. Tracking long-distance migration in tiny songbirds using tiny technology. University of California, Davis, Animal Behavior Graduate Group Winter Seminar Series, Davis, California, February 2015.
- Streby, Henry M.** and Gunnar R. Kramer. "From Tennessee to Colombia and back again: tracking migration in golden-winged warblers (*Vermivora chrysoptera*)." Festival de las Aves, Medellin, Colombia, November 2014.
- Streby, Henry M.** "Tracking migration in tiny songbirds using tiny technology." Fisheries, Wildlife, and Conservation Biology seminar series. University of California, Berkeley, September 2014.
- Streby, Henry M.** "Full-season habitat associations of forest songbirds: don't forget the middle seral stages." Minnesota Chapter of The Wildlife Society, Palisade, Minnesota, August 2014.
- Streby, Henry M.** "Redefining fitness in songbirds: a challenge to the nest success paradigm." Organismal Biology and Ecology Seminar Series, University of Montana, Missoula, September 2013.
- Streby, Henry M.** "Full-season productivity in songbirds: why managing for nest success is not the best plan." Friday seminar series, PRBO Palomarin Field Station, Point Reyes National Seashore, California, April 2013.
- Peterson, Sean M. (presenter), **Henry M. Streby**, Tom C. Will, Tom R. Cooper, and David E. Andersen. "Golden-winged warblers and the importance of diverse forest landscapes." Zumbro Valley Audubon Society. Rochester, Minnesota, January 2013.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. "Thinking outside the nest: the importance of the post-fledging period for understanding productivity and habitat associations in songbirds." Fisheries, Wildlife, and Conservation Biology seminar series. University of California, Berkeley, October 2012.
- Streby, Henry M.**, Sean M. Peterson, Tom Will, Tom Cooper, and David E. Andersen. "Golden-winged warblers and the importance of diverse forest landscapes." Minnesota River Valley Audubon Chapter. Minnesota Valley National Wildlife Refuge, Bloomington, Minnesota, April 2012.
- Streby, Henry M.**, Tom Will, Sean M. Peterson (presenter), John P. Loegering, Wayne Brininger, and David E. Andersen. "Golden-winged warbler: Minnesota demography and landscape ecology." 9th Annual Forestry, Wildlife, and Natural Resources Research Review. University of Minnesota Cloquet Forestry Center. Cloquet, Minnesota, January 2012.
- Peterson, Sean M. (presenter), **Henry M. Streby**, and David E. Andersen. "High tech or field techs: an analysis of cost and bias in golden-winged warbler nest searching techniques." 9th Annual Forestry, Wildlife, and Natural Resources Research Review. University of Minnesota Cloquet Forestry Center. Cloquet, Minnesota, January 2012.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. "Golden-winged warbler research at Tamarac and Rice Lake National Wildlife Refuges." Minnesota Ornithologists Union annual meeting. Minneapolis, Minnesota, December 2011.

- Will, Tom (presenter) and **Henry M. Streby**. “Golden-winged warblers and migratory songbird use of young forest habitat.” Sustainable Forest Education Cooperative. Hackensack, Minnesota. June 2011.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. “Golden-winged warblers in the Upper Midwest: productivity, habitat associations, and management implications.” Wisconsin Bird Conservation Initiative 2011 Statewide Meeting. Green Bay, Wisconsin. September 2011.
- Streby, Henry M.**, Sean M. Peterson, and David E. Andersen. “Golden-winged warbler demography: nest productivity and adult and fledgling survival.” Northwest GWWA Working Group Meeting. Winnipeg, Manitoba (teleconference). April 2011.
- Brininger, Wayne (presenter), **Henry M. Streby**, and Kyle Daly. “Early successional forest bird research at Tamarac National Wildlife Refuge.” Report to Minnesota Department of Natural Resources Forest Wildlife Management Group. Detroit Lakes, Minnesota. March 2011.
- Loegering, John, P. and **Henry M. Streby** (co-presenters). “Golden-winged warbler demography and habitat assessment at Tamarac National Wildlife Refuge in 2010.” Golden-winged Warbler Conservation Workshop. Ithaca, New York. August 2010.
- Streby, Henry M.**, Sean M. Peterson and David E. Andersen. “Forest songbird research” Chippewa National Forest Summer Naturalist Series. Marcell, Minnesota. August 2009.
- Streby, Henry M.** and David E. Andersen. “Survival and habitat use of fledgling forest nesting songbirds in a managed forest landscape.” U.S. Fish and Wildlife Service Regional Office. Minneapolis, Minnesota. November 2008.
- Streby, Henry M.** and David E. Andersen. “Survival and habitat use of fledgling forest nesting songbirds in a managed forest landscape.” Minnesota Cooperative Fish and Wildlife Research Unit Annual Coordinating Committee Meeting. Saint Paul, Minnesota. October 2008.
- Streby, Henry M.** and Sean M. Peterson. “Minnesota Coop Unit forest bird project.” Chippewa National Forest Naturalist Series. Marcell, Minnesota. August 2008.
- Streby, Henry M.** and David E. Andersen. “Edge effects and ovenbirds: the other half of the season.” Fisheries, Wildlife, and Conservation Biology Lecture Series. University of Minnesota, St Paul, Minnesota. March 2008.
- Streby, Henry M.** and David E. Andersen. “Post-fledging habitat use by forest nesting songbirds on the Chippewa National Forest.” Meeting of Ecologists and Managers of the Chippewa National Forest. Cass Lake, Minnesota. August 2007.
- Streby, Henry M.** and Donald B. Miles. “Anthropogenic disturbance alters the vertically stratified distribution of avian hematazoa in forest-nesting migrants.” Ohio University Science and Creativity Student Research Fair, Athens, Ohio. April 2005. *Won Best Student Research Award.*
- Streby, Henry M.** and Phil Alman. “OTS 04-1 Tropical Biology: An Ecological Approach. Our OTS experience.” Ecolunch Seminar Series, Ohio University, Athens, Ohio. May 2004.

SERVICE AND OUTREACH

Publication Award Committee for Auk: Ornithological Advances. November 2017 – present.

Department Committee Member for BIOM program assessment. Fall 2017.

Department Faculty Advisor for Environmental Sciences undergraduate organization “Environmental Advocates”, September 2017 – Present.

Student Presentation Award Judge at American Ornithological Society annual conference, East Lansing, Michigan, August 2017.

Resource Member for Maumee Area of Concern Action Committee. February 2017 – present.

Committee Member of Maumee Area of Concern Action Committee Subcommittee on Fish Populations and Habitat, May 2017 – Present.

Curriculum Committee Member University of Toledo, Department of Environmental Sciences, August 2016 – present.

Associate Editor for Wildlife Society Bulletin, December 2014 to present.

Committee Member for AOU - COS *Auk* and *Condor* Joint Advisory Committee on Publications, November 2014 – present.

Committee Member for Cooper Ornithological Society Young Professional Award 2014 – present.

Manuscripts Reviewed for American Midland Naturalist, *Auk*: Ornithological Advances, Avian Conservation and Ecology, Behavioral Ecology and Sociobiology, Biological Conservation, *Condor*: Ornithological Applications, Diversity and Distributions, *Ibis*, Journal of Animal Ecology, Journal of Avian Biology, Journal of Field Ornithology, Journal of Wildlife Management, Landscape Ecology, PLoS ONE, Studies in Avian Biology, Wildlife Society Bulletin, Wilson Journal of Ornithology

Science Instructor for White Earth Academy of Math and Science, Gaawaabaabiganikaag (White Earth Indian Reservation), 2013 – present.

Previous Service Activities

Student Presentation Judge for the 2014 joint meeting of the Cooper Ornithological Society, American Ornithologists' Union, and Canadian Society for Ornithologists, Estes Park, Colorado.

Conference Symposium Organized and Chaired for the 2013 joint meeting of the Cooper Ornithological Society and American Ornithologists' Union, Chicago, Illinois.

Volunteer Bird Banding Assistant for Ron Refsnider, Springbrook and Elm Creek Nature Centers: Demonstrate mist netting, bird identification, and banding for community members. Three Rivers Park District, Minnesota.

Volunteer Bird Banding Demonstrations for:
North School Forestry Days for students grades K – 6
Rice Lake National Wildlife Refuge Family Day (x3)
Chippewa National Forest Naturalist Series

Volunteer Mammalogy Teaching Assistant for Bill Clark, Ph.D., Iowa State University: Assisted with small mammal trapping labs at Doolittle Prairie, Ames, IA.

Science Education Program for Pleasant Street Elementary School, Mount Vernon, Ohio.

Departmental Scholarship Committee Member for the Department of Fisheries Wildlife and Conservation Biology, University of Minnesota: Assisted in the selection of undergraduate students for departmental scholarships.

Graduate Student Envoy to the Department Head of the Department of Fisheries Wildlife and Conservation Biology, University of Minnesota: Organized graduate student Wildlife Club meetings.

Volunteer Field Research Assistant for Nicola Nelson, Victoria University, Wellington, New Zealand: Collected data on nesting Tuatara (*Sphenodon punctatus*), Stephen's Island, Cook Strait, New Zealand.

Volunteer Bird Surveyor for Hillary Miller, Victoria University, Wellington, New Zealand: Conducted bird surveys at Makara Hills, Karori, New Zealand.

Volunteer Field Research Assistant for Phil Alman Ph.D., Ohio University, Athens, Ohio: Collected data on nesting Diamondback Terrapin (*Molaclemys terrapin*), South Carolina.

Volunteer Tutor, West Elementary, Athens, Ohio: Tutored fifth-graders in science and social studies.

POPULAR PRESS AND MEDIA COVERAGE

See Media Page on <http://www.henrystreby.com> for more coverage of Streby Lab activities.

Kyle Pagel's Red-headed Woodpecker research was featured by 13ABC News, WTOL11 News, and The Toledo Blade.

Our Current Biology paper was covered by >200 media outlets worldwide, some of which are archived on the Altmetric page for the article.

Minnesota Conservation Volunteer Magazine (MN DNR) featured golden-winged warbler research in an article by Gerald Niemi.

The Wildlife Management Institute featured golden-winged warbler project in their Outdoor News Bulletin.

The Scientist featured nest-site selection paper from Proceedings B in their animal behavior research highlights.

The Economist featured nest-site selection paper from Proceedings B in their online science blog.

Living Bird Magazine (Cornell Lab of Ornithology) featured Golden-winged Warbler demography project in the Spring 2013 issue in a story called "A Golden Plan for a Turnaround" by Gustave Axelson.

Golden-winged Warbler demography project was featured by the U.S. Fish and Wildlife Service in a “Species Spotlight” article in July 2012.

Living Bird Magazine (Cornell Lab of Ornithology) featured post-fledging songbird research and interviewed me for an article in the Autumn 2011 issue.

The University of Minnesota home page, www1.umn.edu, featured Golden-winged Warbler research in the Driven to Discover campaign 3 – 23 August 2011.

Minnesota Public Radio featured Golden-winged Warbler research in a story called “Saving the Golden-winged Warbler” which aired 16 June 2011 on the Morning Edition program. Golden-winged Warbler research was featured in the Friends of Tamarac Newsletter, Summer issues, 2010 and 2011.

The Mother Nature Network featured Golden-winged Warbler research in an article titled “On the search for wings of gold” in August, 2010.

Streby, H.M., S.M. Peterson, and E.S. Michel. 2009. July Capture of a White-crowned Sparrow. The Loon 81:107-109.

Dissertation research was featured in an educational documentary film called “A Hard Life” about fledgling songbirds, produced in 2009 by TimeStopper Films, Minneapolis, Minnesota, USA.

Outreach bird-banding demonstration at the North School Elementary School was featured by the Chippewa National Forest in their Success Stories publication in May, 2009.

PROFESSIONAL MEMBERSHIPS

American Ornithologists’ Union
Association of Field Ornithologists
Cooper Ornithological Society
Ecological Society of America
Society for Conservation Biology
Society for Integrative and Comparative Biology
The Wildlife Society
Wilson Ornithological Society
