

Alison R. Styring

The Evergreen State College, Lab 1
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Education

- 1996 – 2002 Louisiana State University – Ph.D. Biological Sciences,
Dissertation Title: “Local, regional, and global patterns of
woodpecker (Picidae) diversity: ecological explanations and
practical applications”
- 1990 – 1994 Indiana University, Bloomington – B.A. Biology

Professional History

- 2005 – present Member of the Faculty in Environmental Studies, The Evergreen
State College
- 2003 – present Research Associate, Louisiana State University Museum of
Natural Science
- 2003 – 2005 Wildlife Biologist, Disney’s Animal Kingdom, Wildlife Tracking
Center
- 2003 – 2005 Research Associate, University of Central Florida Department of Biology
- 2003 Instructor, Louisiana State University Department of Biological
Sciences: Principles of Ecology Lab
- 2002 Teaching Assistant, Louisiana State University Department of Biological
Sciences: Principles of Ecology Lab (1 term)
- 1999-2001 Curatorial Assistant, Louisiana State University Museum of Natural
Science
- 1996-1999 Teaching Assistant, Louisiana State University Department of Biological
Sciences: Zoology Lab (6 terms), Biology for Non-Majors Lab (1 term)

Programs/Courses Taught

- *Quantitative and Qualitative Methods*†, Spring 2009
- *Ecology of Western Washington**†, Fall 2008
- *Ecological and Social Sustainability*, Winter 2008 *† (co-taught with Peter Dorman and Linda Moon-Stumpff), Winter 2009*† (co-taught with Rob Knapp and Jeff Morris)
- *Avian Natural History**, Summer 2008
- *Avian Monitoring and Research Methods**†. Spring 2008
- *Political Economic and Ecological Processes**†, Fall 2007 (co-taught with Ted Whitesell)
- *Field Ornithology*** , Spring 2007
- *The Nature of Natural History*** , Fall 2007/Winter 2008 (co-taught with Frederica Bowcutt)
- *Field Ecology*** , Spring 2006 (co-taught with Dylan Fischer)
- *Introduction to Environmental Studies**, Fall 2005/Winter 2006 (co-taught with Carolyn Dobbs and Dylan Fischer)
- *Principles of Ecology Lab**, Fall semester 2002, Spring Semester 2003
- *Introduction to Zoology Lab*, Spring Semester 1997-Spring Semester 1999
- *Biology for Non-majors Lab*, Fall Semester 1996

* indicates courses or programs that included at least one field excursion

** indicates courses or programs that included multi-day field trips

† indicates a Master’s level course

Students Advised

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Masters (16-credit)

- Jora Rehm-Lorber. *Establishing long-term avian inventory monitoring in a south Puget Sound rainforest: baseline measurements of abundance and community composition in a permanent plot network* (completed June 2009). Jora is currently a biologist at Rocky Mountain Bird Observatory.
- Adam Schapaugh. *Population viability of the Streaked Horned Lark (Eremophila alpestris strigata in Washington state: comparing stochastic and deterministic models in a spatially structured context* (completed June 2009). Adam is currently pursuing a Ph.D. in quantitative ecology at University of Nebraska.
- Clare Brown. Migratory connectivity of Calliope Hummingbirds.
- Lindsay Wright. Dietary analysis of juvenile Coho Salmon (*Oncorhynchus kisutch*).
- Ashley Lyon. Habitat suitability of reintroduction sites for the western pond turtle (*Clemmys marmorata marmorata*).
- Thomas Mohagen. Reassessment of wetland mitigation sites.

Masters (8-credit)

- William Rutherford. *Adapting to climate change: bridging the gap between global projections and local planning In the Chehalis basin* (Completed June 2008).
- Jeremy Lucas. *Feeding Ecology of "Southern Resident" Killer Whales (Orcinus orca): Benthic Habitat and Spatial Distribution* (completed June 2009).
- Daniel Laggner. *Blue whale (Baleanoptera musculus) ship strike threat assessment in the Santa Barbara Channel, California* (completed June 2009).
- Sarah Boyle. *Oil spill response equipment caching: a Washington state case study* (completed June 2009).

Undergraduate (advised independent work for at least one year)

- Katherine (Utah) Newman. *Museum curatorial and research methods* (Fall 2006 – Spring 2007). Utah is currently a Ph.D. student at University of Kentucky (David Westneat, Advisor).

Governance and other work at Evergreen

2007-present Curator, The Evergreen State College Natural History Collections
2007 Member, Lab Stores Scientific Instructional Technician, hiring committee
2006 Member, Curricular Visions DTF
2005 Participant in the Lab 1 remodel working group

Field Research (past 5 years)

Southeast Asia. – I am currently working on a project aimed at assessing effectiveness of conservation measures (e.g. conservation preserves, corridors, mixed-use native customary rights land) intended to conserve biodiversity in Bornean tree plantations.

Washington. – I have worked locally in conjunction with Evergreen faculty Dylan Fischer, Carri LeRoy, and Paul Przybylowicz to establish long-term ecological monitoring in the campus forest (<http://academic.evergreen.edu/projects/EEON/>). I am also working with Nisqually Reach Nature Center to incorporate student research into their restoration and monitoring efforts.

Cuba. – I participated in a rapid-assessment style bird survey in two important bird areas in Cuba: Zapata Swamp and Cayo Coco (2004). The goal was to document the avifauna at each site with a focus on endemic species and overwintering Neotropical migrants.

Florida. – I was in charge of designing and establishing a long-term wildlife monitoring program on a 5000 ha of conservation area at Walt Disney World, Lake Buena Vista, Florida. The goal

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was to establish baseline information on population size of target wildlife with the long-term goal of monitoring long-term population trends and laying the groundwork for future research projects.

Grants (past 5 years)

- 2009 The Evergreen State College Sponsored Research Award, *Bornean Bird Conservation*
- 2008 The Evergreen State College Foundation Grant for Faculty, *Bornean Bird Ecology and Conservation*
- 2007 Disney Wildlife Conservation Fund, *Bornean Bird Conservation* (F. Sheldon and J. Unggang, co-PIs)
- 2007 Northwest Academic Computing Consortium, *I-Pod tours of Evergreen's ecosystems: accessing ongoing faculty and student field Research* (T. Curtz and J. Cushing, co-PIs)
- 2006 Sponsored Research Award, *Long-term wildlife monitoring at The Evergreen State College: establishing baseline data*
- 2006 Disney Wildlife Conservation Fund, *Saving Sun Bears* (J. Byrd, E. Harper, S. T. Wong, and G. Fredriksson, co-PIs)
- 2005 Disney Animal Programs Conservation Action Strategy, *Mallard Population Control* (A. Savage and M. Stetter, co-PIs)
- 2005 Disney Animal Programs Conservation Action Strategy, *Walt Disney World's wildlife monitoring program* (A. Savage, co-PI)
- 2004 Disney Animal Programs Conservation Action Strategy, *Walt Disney World's wildlife monitoring program: establishing baseline data on population size* (A. Savage, co-PI)
- 2003 Louisiana State University Museum of Natural Science Tropical Bird Fund. *Molecular systematics of the family Picidae: a focus on tropical taxa*

Peer-reviewed publications

- Styring, A. R., R. Ragai, J. Unggang, R. Stuebing, P. Hosner, F. F. Sheldon. In prep. *Indicators of natural forest in Bornean tree plantations*.
- Styring, A. R., R. Ragai, D. James, J. Unggang, R. Stuebing, P. Hosner, and F. H. Sheldon. In prep. *Community assembly in Bornean tree plantations*.
- Sheldon, F. H., A. R. Styring, and P. Hosner. In review. *Use of industrial and agricultural tree plantations by Bornean forest birds: a long term perspective*.
- Styring, A. R. and M. Zakaria. 2004. *Foraging ecology of woodpeckers in lowland Malaysian rainforests*. *Journal of Tropical Ecology* 20: 487-494.
- Styring, A. R. and M. Zakaria. 2004. *Selective logging and woodpeckers in Malaysia: the relationship between resource availability and woodpecker abundance*. *Journal of Tropical Ecology* 20: 495-504.
- Styring, A. R., R. Lomoljo, and M. Zakaria. 2002. *Observations of a Bushy-crested Hornbill (*Anorrhinus galeritus*) Nest in a West Malaysian forest reserve: insights into foraging behavior and group size*. *Malayan Nature Journal* 56:169-173.
- Styring, A. R. and K. Ickes. 2001. *Woodpecker abundance in a logged (40 years ago) vs. unlogged lowland dipterocarp forest in Peninsular Malaysia*. *Journal of Tropical Ecology* 17: 261-268.
- Styring, A. R. and K. Ickes. 2001. *Interactions between the Greater Racket-tailed Drongo, *Dicrurus paradiseus*, and woodpeckers in a lowland Malaysian rainforest*. *Forktail* 17: 119-120.
- Styring A. R. and K. Ickes. 2001. *Woodpecker participation in mixed-species flocks in Peninsular Malaysia*. *Wilson Bulletin* 113: 342-345.

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Other publications

- Styring, A. R., F. H. Sheldon, R. Ragai, and J. Unggang. 2008. *Determining the diversity of birds in Bornean tree plantations*. Pages 134-147 in Proceedings of the Regional Conference: Biodiversity Conservation in Tropical Planted Forests in South East Asia, 2007. Borneo Natural History publications, Kota Kinabalu.
- Wong, S. T., G. Fredriksson, J. Byrd, E. Harper, and A. Styring. 2006. *Sun Bear Adventure Journals* (an educational publication circulated to zoos, aquaria, and educational centers around the U. S.)
- Styring, A. R. and K. Ickes. 2003. *Woodpeckers at Pasoh: foraging ecology, flocking, and the impacts of logging on abundance and diversity*. Pages 519-529 in S.C. Thomas and T. Okuda (eds.). Pasoh: Ecology of a Lowland Rainforest in Southeast Asia.
- Styring, A. R. 2003. *Effects of selective logging on a guild of 13 syntopic woodpecker species in a Malaysian forest reserve*. Pages 167-174 in P. Pechacek (ed.). Proceedings of the first International Symposium of the Woodpecker Working Group of the German Ornithologists' Society.
- Knight, R. L., J. M. Lammertink, M. D. Luneau, P. McBride, and A. R. Styring. 2002. *Report for the Zeiss Search for the Ivory-billed Woodpecker in 2002*. Available online at: <http://www.zeiss.de/C1256BCF0020BE5F/Contents-Frame/BCF8F0B8837639FB85256CC60078F4EE>
- Styring, A. R. 2001. *A Guide to the Birds of Southeast Asia* (Book review). Craig Robson. Auk 118: 570-571.

Conference/Symposium Presentations (past 5 years)

- 2009 Styring, A. R. and R. A. Askins. *Global patterns of woodpecker (Picidae) diversity: a case for extra niches in the tropics*. "Evolution 2009," the joint annual meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. June 12-16, 2009, Moscow, Idaho.
- 2007 Styring, A. R., F. H. Sheldon, R. Ragai, and J. Unggang. *Determining the diversity of birds in Bornean tree plantations*. 4th Annual Regional Conference: Biodiversity Conservation in Tropical Planted Forests in South East Asia, Bintulu, Sarawak, Malaysia.
- 2006 Styring, A. R. *Bearded pigs, bee-eaters, and budu: the flight map of a first year faculty*. The Evergreen State College September Symposium, Olympia, Washington.
- 2006 Styring, A. R., F. Sheldon, and P. Hosner. *Bird Use of Industrial and Agricultural Forests in Borneo*. IV North American Ornithological Congress, Veracruz, Mexico. In 2007 at Society of Northwestern Vertebrate Biologists Annual Meeting, Victoria, British Columbia.
- 2006 Styring, A. R., D. Fischer, C. LeRoy, P. Przybylowicz. *Long-term ecological monitoring at The Evergreen State College*. Society of Northwestern Vertebrate Biologists Annual Meeting, Olympia, WA.
- 2005 Styring, A. R. *Wildlife Monitoring at Walt Disney World*. The Evergreen State College September Symposium, Tacoma, Washington.
- 2005 Styring, A. R., J. Therien, J. Mejeur, and J. Grant. *Bird Monitoring at Walt Disney World: comparing approaches*. 123rd State Meeting of the American Ornithologists Union, Santa Barbara, California.
- 2004 Styring, A. R., A. Savage, and J. Therien. *A long-term bird monitoring program at Walt Disney World*. 122nd Stated Meeting of the American Ornithologists' Union in conjunction with the 23rd Annual Meeting of the Society of Canadian Ornithologists, Quebec City, Quebec.

Invited Lectures (past 5 years)

- 2008 *Bird ecology and conservation in the planted forests of Sarawak.* Society for Natural Science, Bintulu Chapter and Grand Perfect Plantation Sdn. Bhd., Bintulu, Sarawak, East Malaysia. Also presented to the Kuching Chapter of the Malaysian Nature Society, Kuching, Sarawak, East Malaysia. Borneo talks
- 2008 *The biology and ecology of metapopulations.* Guest lecture to Protected Areas? Carolyn Dobbs, faculty.
- 2008 *Evolution and Biogeography of order Piciformes (Class: Aves).* Guest lecture to Vertebrate Evolution. Heather Heying, faculty.
- 2007 *Bird Communication.* Guest lecture to Evolving Communication. Susan Fiksdal and Heather Heying, faculty.
- 2004 *The role of partnerships in conservation.* Guest lecture at University of Central Florida Department of Biological Sciences seminar in Conservation Biology.

Professional Organizations

American Ornithologists' Union
Association of Field Ornithologists
The Waterbird Society
Society of Northwestern Vertebrate Biologists

Professional Training/Relevant Certifications

- Emerging Wildlife Conservation Leaders, 2005-2006 project – Southeast Asian Bears (http://www.defenders.org/programs_and_policy/wildlife_conservation/solutions/emerging_wildlife_conservation_leaders/)
- Wilderness First Responder, 2006
- PADI Open Water Diver, 2005
- Introduction to Distance Sampling and Advanced Distance Sampling, 2004