

**CURRICULUM VITAE**  
**DAVID N. BONTER**  
Cornell Lab of Ornithology  
159 Sapsucker Woods Road  
Ithaca, New York 14850

EDUCATION:

- Ph.D.** 2003. School of Natural Resources, University of Vermont, Burlington, Vermont. Dissertation: The migration and ecology of landbirds during migration in the Great Lakes basin.
- M.A.** 1996. University of Miami Graduate School of International Studies, Miami, Florida. Thesis: The international politics of nearctic-neotropical migratory avifauna conservation.
- B.A.** 1994. University of Miami, Miami, Florida.

EMPLOYMENT AND PROFESSIONAL EXPERIENCE:

**Assistant Director, Citizen Science Program**, Cornell Lab of Ornithology, Cornell University, Ithaca, New York. September 2009 – present.

**Faculty, Shoals Marine Lab**, Cornell University, Appledore Island, Maine. 2007 – present.

**Leader, Project FeederWatch**, Cornell Lab of Ornithology, Ithaca, New York. August 2002 – present.

**President (2001-2004), Vice-President (2004-present)**, Braddock Bay Bird Observatory, Rochester, New York.

**Director of Research**, Braddock Bay Bird Observatory, Rochester, New York. Fall 1997 – present.

**Graduate Research Assistant**, Vermont Cooperative Fish and Wildlife Research Unit, University of Vermont. June 2000 – July 2002.

**Graduate Research Assistant**, State University of New York College of Environmental Science and Forestry. August 1999 – May 2000.

**Research Assistant**, University of Miami, Graduate School of International Studies, Coral Gables, Florida. August 1994 - May 1996.

SERVICE:

**President**, Association of Field Ornithologists, 2008-present.

**Vice-president**, Association of Field Ornithologists. 2007-2008.

**Councilor & Webmaster**, Association of Field Ornithologist. 2005-present.

**Member**, Federal Advisory Committee for the Bird Banding Laboratory. 2005-06.

**Member**, National Ecological Observatory (NEON) Design Consortium. 2005. Served on Informal Science Education committee. Los Angeles, CA, January 2005; Boston, MA, March 2005; Estes Park, CO, June 2005.

**Elective Member**, American Ornithologists' Union, 2009. Award for significant contributions to ornithology and/or service to the Union.

#### PUBLICATIONS:

**Bonter, D.N.**, B. Zuckerberg, and J.L. Dickinson. In Press. Invasive birds in a novel landscape: habitat associations and effects on established species. *Ecography*.

**Bonter, D.N.**, S.A. Gauthreaux, Jr., and T.M. Donovan. 2009. Characteristics of important stopover locations for migrating birds: Remote sensing with radar in the Great Lakes basin. *Conservation Biology* 23:440-448.

Brooks, E.W. and **D. N. Bonter**. In press. Long-term changes in avian community structure in a successional, forested, and managed plot in a reforesting landscape. *Wilson Journal of Ornithology*.

**Bonter, D.N.** and W. M. Hochachka. Bonter, D.N. and W.M. Hochachka. In press. A Citizen Science Approach to Ornithological Research: Twenty Years of Watching Backyard Birds. Proceedings of the Fourth International Partners In Flight Conference, McAllen, Texas.

**Bonter, D.**, E.W. Brooks, and T.M. Donovan. 2008. What are we missing with ground-level mist nets? Using elevated nets at a migration stopover site. *Journal of Field Ornithology* 79:314-320.

Cooper, C. and **D. Bonter**. 2008. Artificial nest site preferences of Black-capped Chickadees. *Journal of Field Ornithology* 79:193-197.

**Bonter, D.** and M.G. Harvey. 2008. Winter Survey Data Reveal Range-wide Decline in Evening Grosbeak Populations. *Condor* 110:376-381.

Haselitine, S.D., P.R. Schmidt, B.D. Bales, **D.N. Bonter**, and others. 2008. Report of the Federal Advisory Committee on the Bird Banding Laboratory: US Geological Survey Circular 1320, 19p.

**Bonter, D.**, T.M. Donovan, and E.W. Brooks. 2007. Daily mass changes in landbirds during migration stopover on the south shore of Lake Ontario. *Auk* 124:122-133.

Harvey, M.G., **D.N. Bonter**, L.M. Stenzler, I.J. Lovette. 2006. A comparison of plucked feathers versus blood samples as DNA sources for molecular sexing. *Journal of Field Ornithology* 77:136-140.

**Bonter, D.** and W. Hochachka. 2003. Widespread declines of chickadees and Corvids: possible impact of West Nile virus. *American Birds*.

**Bonter, D.** 2003. The migration and ecology of landbirds during migration in the Great Lakes basin. Ph.D. Dissertation, University of Vermont.

**Bonter, D.** and T. Donovan. 2002. Habitat Selection. In T. Donovan and C. Weldon, Spreadsheet Exercises in Ecology and Evolution, Sinauer Press, Sunderland, Massachusetts, p. 321-330.

**Bonter, D.** and T. Donovan. 2002. Optimal Foraging Models. In T. Donovan and C. Weldon, Spreadsheet Exercises in Ecology and Evolution, Sinauer Press, Sunderland, Massachusetts, p. 331-340.

**Bonter, D.** and T. Donovan. 2002. Key Factor Analysis. In T. Donovan and C. Weldon, Spreadsheet Exercises in Ecology and Evolution, Sinauer Press, Sunderland, Massachusetts, p. 241-252.

Donovan, T., C. Beardmore, **D. Bonter**, J. Brawn, R. Cooper, R. Ford, J. Fitzgerald, S. Gauthreaux, T. George, W. Hunter, T. Martin, J. Price, K. Rosenberg, P. Vickery, T. Wigley. 2002. Priority research needs for the conservation of Neotropical migrant landbirds. *Journal of Field Ornithology* 73: 329-339.

**Bonter, D.** 1996. The international politics of nearctic-neotropical migratory avifauna conservation. M.A. Thesis, University of Miami, Florida.

### TEACHING EXPERIENCE:

**Instructor**, Field Ornithology, Cornell University Shoals Marine Lab, Appledore Island, Summer 2007, 2008. Taught 4 credit, 2-week intensive field course surveying methods for ornithological research.

**Instructor**, Explorations in the Biological Sciences. Cornell University, Spring and Fall semesters, 2005 – present. Taught 4-hour labs demonstrating bird banding as a tool for biological research.

**Instructor**, Field Methods in Ornithology, 5 credits. Cornell University, Summer 2006. Co-taught an 8-week course surveying a wide range of methods employed in ornithological research.

**Instructor**, Environmental Problem Analysis. University of Vermont, School of Natural Resources. January 2002 – May 2002. Sophomore-level undergraduate course integrating ecological and social aspects of environmental problems.

**Facilitator**, Graduate Research Seminar. State University of New York College of Environmental Science and Forestry. January 2000 – April 2000. Organized and facilitated graduate-level seminar in which students presented their own research ideas, methods and results for peer review.

**Instructor**, Computing Applications. State University of New York College of Environmental Science and Forestry. January 1998 – May 1999. Introductory computing applications course. Served as primary instructor for course, including classroom lectures and computer laboratory instruction sessions. Managed undergraduate teaching assistants.

**Teaching Assistant**, Sampling Methods. State University of New York College of Environmental Science and Forestry, Cranberry Lake Biological Station. July 2000. Co-taught one-week field biology course examining biological sampling and inventory methodologies.

### CONFERENCES:

#### ***Presentations:***

American Ornithologists' Union, Philadelphia, Pennsylvania, August 2009. "Invasive birds in a novel landscape: habitat associations and effects on established species."

Ecological Society of America, Milwaukee, Wisconsin, August 2008. "Swimming in a sea of data: Validating large data sets collected by citizen scientists."

Association of Field Ornithologists / Wilson Ornithological Society, Mobile, Alabama, April 2008. "Eurasian Collared-Doves in North America: Colonization dynamics and implications for native doves."

MIGRATE 2008, Ithaca, New York. April 2008. "Citizen science and migration."

Association of Field Ornithologists, (Invited symposium presentation), Orono, Maine. July 2007. “Long-term monitoring through Project FeederWatch: The case of the disappearing Evening Grosbeaks.”

North American Ornithological Conference, Veracruz, Mexico. October 2006. “Climate change and range shifts in a resident bird: Case study of the Carolina Wren.”

The Wildlife Society, March 2006, Boise, Idaho. “The challenges and opportunities of citizen science: The Cornell experience.”

Eastern Bird Banding Association (Keynote Address), Rochester, New York. April 2005. “Bird studies across borders: Thinking big in ornithology.”

American Ornithologists’ Union, August 2004, Quebec, Canada. “Survival in resident birds: Is winter the limiting season?”

Association of Field Ornithologists / Wilson Ornithological Society, April 2004, Ithaca, New York. “Are elevated mist nets required to adequately sample the avian community at a migration stopover site?”

Association of Field Ornithologists / Wilson Ornithological Society, April 2004, Ithaca, New York. “Overwinter survival in resident birds using feeding stations in central New York.” [Poster]

American Ornithologists’ Union, August 2003, Champagne, Illinois. “The influence of landscape on the composition of winter bird communities in New York.”

The Wildlife Society – New York, February 2003, Utica, New York. “Project FeederWatch: What can we learn from watching backyard bird feeders?”

North American Ornithological Conference, September 2002, New Orleans, Louisiana. “Divergent migration directions in the Great Lakes basin: The result of atmospheric circulation?”

American Ornithologists’ Union, August 2001, Seattle, Washington. “Competition and Temporal Variability Influence Migration Stopover Site Quality.”

Vermont Cooperative Fish & Wildlife Research Unit, Annual Meeting 2001, Burlington, Vermont. “Ecology of Landbirds During Migration.”

American Ornithologists’ Union, August 2000, St. John’s, Newfoundland, Canada. “Migration Stopover Concentration Areas in the Northeastern United States: Remote Sensing with WSR-88D (NEXRAD) Radar.”

Partners in Flight, Northeast Working Group, April 2000, Middle Creek Wildlife Management Area, Pennsylvania. “Using NEXRAD to identify migration stopover concentration areas in the northeastern United States.”

Great Lakes Research Consortium Conference, March 2000, Syracuse, New York. “Nearshore habitat priorities for migratory passerines.”

Eastern Bird Banding Association, April 1999, Rochester, New York. “Migration monitoring at Braddock Bay: The 1990s and beyond.”

Great Lakes Research Consortium Conference, January 1999, Syracuse, New York. “Assigning conservation priorities to coastal habitats used by migrating songbirds.”

## ***Awards:***

Great Lakes Research Consortium Don Rennie Memorial Student Award for excellence in research and presentation, March 2000.

## **INVITED PUBLIC & PROFESSIONAL PRESENTATIONS:**

Guest on National Public Radio, *Science Friday*, October 2009.

Guest on National Public Radio, April 2008.

Guest on The Martha Stewart Show, 2007.

Guest on National Public Radio, Weekend Edition, 2006.

Martin Viette, Long Island, New York, February 2007. "Brighten the winter landscape by attracting birds to your yard."

International Migratory Bird Day, Greece, New York. April 2006. "The wonders of songbird migration."

"Light In Winter" Festival, Ithaca, New York, January 2005. "Attracting birds to your yard."

Bedford Audubon Society, November 2004. "The Cornell Lab of Ornithology and Project FeederWatch."

New York State Ornithological Association, September 2004. "The influence of landscape on the composition of winter bird communities in New York."

Allen's Creek Garden Club, Rochester, New York, April 2004. "Monitoring songbird migration at Braddock Bay."

Wild Bird Centers of America, Inc., Annual Meeting, Atlanta, Georgia, January 2004. "The Cornell Lab of Ornithology and Project FeederWatch."

Sunshine Rotary Club, Ithaca, New York, November 2003. "Project FeederWatch and Citizen Science."

Rochester Birding Association, Rochester, New York, November 2003. "Citizen-science at the Cornell Lab of Ornithology."

New York Cooperative Extension, Tompkins County, New York, November 2003. "Feeding birds: What to do, what not to do, and how to contribute to science."

Rhode Island Audubon, Block Island, Rhode Island, October 2003. "The wonders of songbird migration: radar and field studies."

Buffalo Museum of Science, Buffalo, New York, May 2003. "Songbird migration in Western New York: Radar and field studies."

Cayuga Bird Club, Ithaca, New York, May 2003. "Monitoring songbird migration at Braddock Bay."

Wild Birds Unlimited, Annual Meeting, Indianapolis, Indiana, June 2003. "Birds, science, and WBU: Citizen-science at the Cornell Lab of Ornithology."

### INVITED SEMINARS:

University of Delaware, October 2008. "Bird populations at the continental scale: What thousands of people can tell us about millions of birds."

Canisius College, November 2005. "Songbird migration in western New York: Radar and field studies."

Rochester Institute of Technology, September 2001. "Landbird Migration and Stopover Ecology in the Great Lakes Basin."

University of Vermont, School of Natural Resources, April 2001. "Methods for Studying Bird Migration."

SUNY College of Environmental Science and Forestry, Freshman Orientation Program, Fall 1998 and Spring 1999, "The Internet and the Environmental Sciences."

### PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS:

American Ornithologist Union (1998 - present)

Association of Field Ornithologists (1999 - present)

Braddock Bay Bird Observatory (1996 - present)

Cooper Ornithological Society (1999 - present)

Wilson Ornithological Society (2003 - present)