

CURRICULUM VITAE

Bart Thomas De Stasio, Jr.

Biology Department
Lawrence University
Appleton, Wisconsin 54912

DESTASIB@LAWRENCE.EDU

EDUCATION

- Ph.D. Ecology and Evolutionary Biology (Limnology concentration)
1989 - Cornell University, Ithaca, NY
(Dissertation Advisor: Nelson Hairston, Jr.)
Biological Science (Ph.D. candidate)
(1982-1986, University of Rhode Island)
- B.A. Biology, *summa cum laude*
1982 - Lawrence University, Appleton, WI.
(Thesis Advisor: Sumner Richman)
Spanish Coursework
1981 - Universidad Complutense, Madrid, Spain

PROFESSIONAL APPOINTMENTS

- 2009 – present Professor of Biology, Lawrence University, Appleton, WI
- 2009 Visiting Scientist, Stockholm University, Stockholm, Sweden
- 2008 Visiting Faculty, Lawrence London Centre
- 2000 – 2009 Associate Professor
Biology Department, Lawrence University, Appleton, WI
- 2001 – 2004 Chair, Biology Department, Lawrence University, Appleton, WI
- 2000 – 2001 Faculty Exchange Fellow, Semester in Environmental Science,
Marine Biological Laboratories, Woods Hole, MA
- 1992 – 1999 Assistant Professor
Biology Department, Lawrence University, Appleton, WI
- 1992 - 1995 Visiting Assistant Professor
Center for Limnology, Univ. of Wis. - Madison
- 1991 - 1992 Postdoctoral Assistant Researcher
Center for Limnology, Univ. of Wis. - Madison
- 1990 - 1991 Visiting Assistant Professor
Biology Dept., Cornell College, Iowa
- 1990 (summer) Visiting Assistant Professor
Kellogg Biological Station, Michigan State University
- 1989 - 1990 Lecturer
Institute for Environmental Studies, Univ. of Wis. - Madison
- 1988 - 1989 Instructor
Biology Department, Lawrence University, Appleton, WI

TEACHING EXPERIENCE

Aquatic Ecology - sophomore level
Biotechnology & Society – freshman/sophomore level
Comparative Biological Limnology - senior/graduate level
Coral Reef Ecology - sophomore-senior level
Ecological Energetics - sophomore-senior level
Environmental Studies Senior Seminar - junior/senior level
Environmental Systems Concepts & Modeling - senior/graduate level
Evolutionary Biology - freshman/sophomore level
Experimental Design & Analysis – freshman/sophomore level
Freshman Studies - freshman level
General Ecology - freshman-sophomore level
Principles of Biology - freshman level
Mathematical Modeling in Ecology - sophomore level

PROFESSIONAL AWARDS

2005 - **Listed in “Who’s Who Among America’s Teachers”**
2004 - **Listed in “Who’s Who Among America’s Teachers”**
2000 - **Semester in Environmental Science Faculty Exchange Fellowship**, Marine Biological Laboratories, Woods Hole, MA.
1998 - **Cutting Edge Award**, Appleton Joint Rotary Clubs, for performing at the “cutting edge” of one’s profession
1991 - **Lindeman Award**, American Society of Limnology and Oceanography, for Outstanding Paper Published by a scientist under age 35
1989 - **LaMont C. Cole Award**, Cornell University, for Outstanding Paper Published by a graduate student

PROFESSIONAL SOCIETY MEMBERSHIPS & ACTIVITIES

American Association for the Advancement of Science
American Society of Limnology and Oceanography
Ecological Society of America
International Society for Limnology
Oikos, The Swedish Ecological Society
Sigma Xi, The Scientific Research Society
Wisconsin Academy of Sciences, Arts and Letters
Peer Reviewer Activities during 2008-2009
Canadian Journal of Fisheries & Aquatic Sciences
Freshwater Biology
Professional Committee Activities during 2008-2009
Ecological Society of America
Charter Member, Human Ecology Section
Fox River Navigational System Authority
Aquatic Invasive Species Committee
Ph.D. Dissertation Examiner, Stockholm University, Sweden
American Philosophical Soc., Lewis & Clark Fund (External Reviewer)

PUBLICATIONS (* - indicates student authors)

- De Stasio, B.T.**, M.B. Schrimpf*, A.E. Beranek*, W.C. Daniels*, E. Hoyer. 2009. Dreissenid driving tests: going the "wrong" way in Green Bay, Lake Michigan? *Verh. Intern. Verein. Limnol.* **30**: (in press).
- De Stasio, B.T.**, Golemgieski, T.*, D.M. Livingstone. 2009. Temperature as a driving factor in aquatic ecosystems. Chapter 74, In: Likens, G. E. (editor). *Encyclopedia of Inland Waters*. Vol. 2, pp. 690-698. Oxford, Elsevier, Inc., San Diego, CA.
- De Stasio, B.T.**, M.B. Schrimpf*, A.E. Beranek*, and W.C. Daniels*. 2008. Increased Chlorophyll a, phytoplankton abundance, and cyanobacteria occurrence following invasion of Green Bay, Lake Michigan by dreissenid mussels. *Aquatic Invasions* 3(1): 21-27.
- De Stasio, B.T., Jr.** 2007. Egg bank formation by aquatic invertebrates: a bridge across disciplinary boundaries. In: Alekseev, V., B. De Stasio, and J. Gilbert (eds.). *Diapause in aquatic invertebrates: theory and human use*. Springer, Dordrecht, The Netherlands. pp. 121-133.
- Alekseev, V., **B. De Stasio**, J. Gilbert, and O. Ravera. 2007. Preface. In: Alekseev, V., B. De Stasio, and J. Gilbert (eds.). *Diapause in aquatic invertebrates: theory and human use*. Springer, Dordrecht, The Netherlands. pp. xiii - xvi.
- Alekseev, V., **B. De Stasio**, and J. Gilbert (eds.). 2007. *Diapause in aquatic invertebrates: theory and human use*. Springer, Dordrecht, The Netherlands. 273 pages.
- Alekseev, V., O. Ravera and **B. De Stasio**. 2007. Introduction to diapause. In: Alekseev, V., B. De Stasio, and J. Gilbert (eds.). *Diapause in aquatic invertebrates: theory and human use*. Springer, Dordrecht, The Netherlands. pp. 3-10.
- De Stasio, B.T., Jr.** 2004. Diapause in Calanoid Copepods: Within-clutch Hatching Patterns. *Journal of Limnology* **63**(Suppl. 1):26-31.
- Trabeau, M. *, Bruhn-Keup, R., McDermott, C., Keomany, M., Millsaps, A., Emery, A. and **De Stasio, B.** 2004. Midsummer decline of a *Daphnia* population attributed in part to cyanobacterial capsule production. *Journal of Plankton Research* **26** (6):949-961.
- Hansson, S., **B.T. De Stasio**, E. Gorokhova, and M.A. Mohammadian*. 2001. Ratio-dependent functional responses - tests with the zooplanktivore *Mysis mixta*. *Marine Ecology Progress Series* **216**:181-189.
- De Stasio, B.T., Jr.**, E. Hillebrand*, and B. Radecki*. 2000. Ecological genetics of *Daphnia* in permanent lakes in northeastern Wisconsin, USA. *Verh. Intern. Verein. Limnol.* **27**:1900-1905.
- Frost, T.M., J-P. Descy, **B.T. De Stasio**, G.A. Gerrish*, J.M. Hood*, J.P. Hurley, and A. L. St. Amand. 2000. Evaluations of phytoplankton communities using varied techniques: A multi-media comparison of lakes in northern Wisconsin, USA. *Verh. Intern. Verein. Limnol.* **27**:1023-1030.

PUBLICATIONS (continued)

- Adrian, R., S. Hansson, B. Soderlund, **B. De Stasio**, and U. Larsson. 1999. Effects of food availability and predation on a marine zooplankton community - a study on copepods in the Baltic Sea. *International Review of Hydrobiology* 84(6):609-626.
- De Stasio, B.T. Jr.**, and S. Richman. 1998. Phytoplankton spatial and temporal distributions in Green Bay, Lake Michigan, prior to colonization by the zebra mussel (*Dreissena polymorpha*). *Journal of Great Lakes Research* 24(3):620-628.
- Hamilton, D.P. and **B.T. De Stasio, Jr.** 1997. Modelling phytoplankton-zooplankton interactions in Sparkling Lake, U.S.A. *Verh. Intern. Verein. Limnol.* 26:487-490.
- Mohammadian, M.A.* , S. Hansson, and **B.T. De Stasio**. 1997. Are marine planktonic invertebrates food limited? The functional response of *Mysis mixta* (Crustacea, Mysidacea) in the Baltic Sea. *Marine Ecology Progress Series* 150:113-119.
- De Stasio, B.T., Jr.**, D.K. Hill* , J.M. Kleinhans, N.P. Nibbelink* , and J.J. Magnuson. 1996. Potential effects of global climate change on small north temperate lakes: Physics, fishes and plankton. *Limnology & Oceanography* 41(5): 1136-1149.
- Magnuson, J.J. and **B.T. De Stasio**. 1996. Thermal niche of fishes and global warming. *In*: C. Wood and G. McDonald (eds), *Global Warming: Implications for Freshwater and Marine Fish*, Society for Experimental Biology Seminar Series 61:377-408.
- De Stasio, B.T., Jr.**, L. Rudstam, A. Haning* , P. Soranno* , and Y. Allen* . 1995. An in situ test of the effects of food quality on *Daphnia* population growth. *Hydrobiologia* 307: 221-230.
- Allen* , Y.C., **B.T. De Stasio**, and C.W. Ramcharan. 1993. Individual and population level consequences of an algal epibiont on *Daphnia*. *Limnology & Oceanography* 38:592-601.
- De Stasio, B.T., Jr.** 1993. Diel vertical and horizontal migration of zooplankton: Population budgets and the Diurnal Deficit. *Bulletin of Marine Science* 53:44-64.
- De Stasio, B.T., Jr.**, N. Nibbelink* , and P. Olsen* . 1993. Diel vertical migration and global climate change: A dynamic modeling approach to zooplankton behavior. *Verh. Intern. Verein. Limnol.* 25:401-405.
- De Stasio, B.T., Jr.**, and N.G. Hairston, Jr. 1992. Environmental variability and the persistence of multiple emergence strategies. *Bulletin of Mathematical Biology* 53:313-334.
- De Stasio, B.T., Jr.** 1990. The role of dormancy and emergence patterns in the dynamics of a freshwater zooplankton community. *Limnology & Oceanography* 35(5):1079-1090.

PUBLICATIONS (continued)

- De Stasio, B.T., Jr.**, E. Howard*, R. Hanson*, and R.W. Black, II. 1990. Cyclomorphosis in *Eubosmina* species in New England lakes, U.S.A. Verh. Internat. Verein. Limnol. **24**:481-486.
- Hairston, N.G., Jr., T.A. Dillon, and **B.T. De Stasio, Jr.** 1990. A field test for the cues of diapause in a freshwater copepod. Ecology **71**:2218-2223.
- De Stasio, B.T., Jr.** 1989. The seed bank of a freshwater crustacean: copepodology for the plant ecologist. Ecology **70**:1377-1389.
- Hairston, N.G., Jr. and **B.T. De Stasio, Jr.*** 1988. Rate of evolution slowed by a dormant propagule pool. Nature **336**:239-242.
- Richman, S., P.E. Sager, G. Banta*, T.R. Harvey*, and **B.T. De Stasio***. 1984. Phytoplankton standing stock, size distribution, species composition and productivity along a trophic gradient in Green Bay, Lake Michigan. Verh. Internat. Verein. Limnol. **22**:460-469.

MANUSCRIPTS ACCEPTED FOR PUBLICATION

- De Stasio, B.T.**, A. Joice*, K. Prescott, G. Gal, D. Hamilton and L. Rudstam. Interactions between water clarity and climate warming on hydrodynamics of Oneida Lake: applications of a dynamic reservoir model. Chapter 14, *In*: E. Mills, L. Rudstam, D. Stewart, R. Jackson (eds.), Oneida Lake: Long-term food web dynamics of a managed ecosystem, Cambridge University Press.

MANUSCRIPTS IN REVISION

- Gerrish, G.* , T. Frost and **B. De Stasio**. The egg bank of *Leptodiatomus minutus* (Copepoda: Calanoida) following experimental acidification of Little Rock Lake, Wisconsin. American Midland Naturalist.

RESEARCH GRANTS

- 2009 - American-Scandinavian Foundation, Thord-Gray Memorial Fund: "Using molecular biology to investigate food web interactions: Zooplankton feeding on toxic algae in the Baltic Sea." Principal Investigator
\$5,000
- 2008 - 2009 Wisconsin Department of Natural Resources: "Evaluating the potential long-term and cumulative impacts from dredging to accommodate boat access in Green Bay and Lake Michigan in Door County." Principal Investigator
\$24,000
- 2008 - Fox River Navigational System Authority: "Tests of Lethal Temperature Limits for Invasive Species in the Lower Fox River." Principal Investigator
\$4,000
- 2006 -2016 Fox River Navigational System Authority: "Monitoring for invasive species during the opening of the lower Fox River Locks system. Principal Investigator
\$8,000 per year

RESEARCH GRANTS (continued)

- 2004 - 2008 University of Wisconsin Sea Grant Program: "Predicting the impact of zebra mussels on trophic transfers in Green Bay: ecosystem modeling and lower food web interactions with fish." (R/LR 93)
Principal Investigator, co-investigator with Dr. Tara Reed (UW-Green Bay).
\$206,230
- 2004 - American Philosophical Society, Franklin Research Grants Program: "Comparative analysis of changes in plankton communities following biological invasions: Zooplankton before and after invasion by zebra mussels in Green Bay (Lake Michigan) and Lake Winnebago, Wisconsin." Principal Investigator
\$4,000
- 2002 - Merck Foundation/American Association for the Advancement of Science Undergraduate Science Research Program (USRP): "Characterization and activity of chemical messengers in biological systems.", Principal Investigator, three year joint grant for Biology and Chemistry Departments.
\$60,000
- 1995 - National Science Foundation, Research Opportunity Award: "The relationship between the size distribution of algal-sized particles and fundamental aquatic ecosystem properties" (LTER Supplement to BSR 90110660).
\$31,788
- National Science Foundation & Council on Undergraduate Research, Summer Undergraduate Research Experience (SURE) Fellowship, "Ecological genetics and the emergence from dormancy of *Daphnia pulex* populations." Co-Investigator with Elizabeth Hillebrand.
\$4,200
- 1994 - National Science Foundation, Research Opportunity Award: "Potential effects of climate change on fish and plankton in north temperate lakes" (LTER Supplement to BSR 90110660).
\$19,024
- U.S. Dept. of Energy, National Institute for Global Environmental Change: Supplement to "Potential Effects of Global Climate Change on Midwestern Lakes: Physics, Fishes and Plankton" (901214-IND) Co-Investigator with John J. Magnuson and Tim Kratz.
\$19,960
- 1993 - Wisconsin Sea Grant Institute: "Zooplankton/larval fish interactions in lower Green Bay." (R/LR-51-PD)
\$6,600

RESEARCH GRANTS (continued)

- 1993 - Wisconsin Academy of Science, Arts and Letters - Lois Almon
Research Program: "Water Fleas in Lake Winnebago: Dormancy
Patterns and Invasions by Exotic Species." \$1,000
- 1992 - Wisconsin Sea Grant Institute, "Global climate change and the Great
Lakes: Changes in habitat use and potential invasions by exotic
species" (R/NI-17). Co-Investigator with J.J. Magnuson.
\$181,597
- Swedish National Science Foundation:
"Experimental Studies on Trophic Interactions in a Marine Pelagic
Ecosystem" Co-investigator with Sture Hansson, University of
Stockholm.
\$50,000
- 1991-92 - U.S. Dept. of Energy, National Institute for Global Environmental
Change Midwestern Regional Center/Indiana University
"Potential Effects of Global Climate Change on Midwestern Lakes:
Physics, Fishes and Plankton" (901214-IND) Co-Investigator with
John J. Magnuson and Tim Kratz.
\$282,000
- 1988 - American Museum of Natural History, Theodore Roosevelt
Memorial Fund
- Sigma Xi, Grant-in-Aid of Research, (Cornell Chapter)
 - Deborah Rabinowitz Memorial Research Grant
Ecology & Systematics, Cornell University
 - Cornell University Summer Research Travel Grant
 - Cornell University Graduate Student Travel Award
- 1987 - Sigma Xi, Grant-in-Aid of Research
- 1983 - Sigma Xi, Grant-in-Aid of Research

CURRICULUM & INSTRUMENTATION GRANTS

- 2005 - National Science Foundation, Major Research Instrumentation
Program (0521112), "Acquisition of Real-Time Thermocycler and
Digital Imager for Interdisciplinary Research in Northeast Wisconsin.
Co-investigator with David Hall.
\$99,225
- 2004 - Lawrence University, Curriculum Development Grant: "Summer
Workshop on Restructuring the ENST Senior Seminar and use of
STELLA Modeling Software." Co-Investigator with Yoko Nagase.
\$1000
- 1996 - National Science Foundation, Academic Research and Infrastructure
Program : "Acquisition of a computer imaging system for geological
and biological research." Co-investigator with Nancy Wall, George
Smith, Marcia Bjornerud and Beth De Stasio.
\$61,000

CURRICULUM & INSTRUMENTATION GRANTS (continued)

- 1995 - National Science Foundation, Instrumentation and Laboratory Improvement (ILI) Program: "Scanning electron microscopy in the undergraduate laboratory". Co-Investigator with Bill Perreault, George Glavee, Susanne Lee and George Smith.
\$80,000
- 1994 - National Science Foundation, Instrumentation and Laboratory Improvement (ILI) Program: "Multidisciplinary Statistics Curriculum and Computing Laboratory". Co-Investigator with Chris Noble, Beth Haines and Marty Finkler.
\$38,000

INVITED SEMINARS & PRESENTATIONS

- 1987 Michigan State Univ. - Kellogg Biological Station
Vassar College - Dept. Biological Sciences
- 1988 Cornell University - Ecology & Systematics Section
Lawrence University - Biology Dept.
University of Rhode Island - Zoology Dept.
- 1989 University of Wis.- Madison - Oceanography & Limnology
- 1991 Case Western Reserve University - Biology Dept.
- 1992 Lawrence University - Biology Dept.
- 1993 Cornell University - Ecology & Systematics
Cornell University - Dept. of Natural Resources
University of Stockholm - Askö Marine Laboratory
- 1994 University of Wisconsin-Madison - Center for Limnology
NSF Climate Change Education Workshop - Madison, WI
- 1995 Winnebago Homeowners Association, Town of Harrison, WI
- 1996 Appleton Rotary Club, NE Section, Appleton, WI
Lunch at Lawrence, Lawrence University, Appleton, WI
Winnebago Homeowners Alliance, Neenah, WI
- 1997 2nd Intern. Symposium on Diapause in Crustacea, Belgium
Appleton Rotary Club, Downtown Section, Appleton, WI
- 1998 American Society of Limnology & Oceanography/American Geophysical Union Annual Meeting, San Diego, CA
Women's Tuesday Club, Neenah, WI
- 1999 Cornell University - Ecology & Systematics, Ithaca, NY
Cornell University - Dept. of Natural Resources, Ithaca, NY
Lawrence University - Science Hall Colloquium, Appleton, WI
- 2001 Marine Biological Laboratory - Ecosystems Center, Woods Hole, MA
Southampton College – Environ. Science Program, Southampton, NY
Cornell University, Ecology & Evolution Department, Ithaca, NY
Cornell University - Biological Field Station Workshop, Bridgeport, NY
- 2002 University of Wisconsin–Oshkosh, Dept. of Microbiology, Oshkosh, WI

INVITED SEMINARS & PRESENTATIONS (continued)

- 2003 Diapause in Aquatic Invertebrates Symposium, Instituto Italiano di Idrobiologie, Verbania, Italy
- 2004 Cornell University – Biological Field Station Workshop, Bridgeport, NY
- 2005 Univ. Minnesota-Duluth, Dept. of Biology, Duluth, MN
- 2006 Wisconsin Sea Grant Institute, Madison, WI
- 2007 Stormwater Conference, Fox-Wolf Watershed Alliance, Green Bay, WI
Harmful Algal Blooms Workshop, Wisconsin Sea Grant, Green Bay, WI
State of Lake Michigan Conference, Traverse City, MI
- 2009 Marine Ecology Section, Stockholm University, Stockholm, Sweden

PUBLISHED ABSTRACTS

- 1983 American Soc. Limnol. & Oceanogr. (ASLO), Newfoundland
Internat. Assoc. Limnology (SILTA) 22, Lyon, France
- 1985 ASLO Annual Meeting, Minneapolis, MN
Population Biologists of New England, New Haven, CT
- 1987 ASLO Annual Meeting, Madison, WI
Ecology and Evol. Biology Symposium, Cornell Univ., NY
- 1988 ASLO Annual Meeting, Boulder, CO
Ecology and Evol. Biology Symposium, Cornell Univ., NY
- 1989 Midwest Ecology & Evol. Biology Meeting, Madison, WI
SILTA 24, Munich, West Germany.
- 1990 LTER All Scientists meeting, Boulder, CO.
- 1991 ASLO Annual Meeting, Halifax, Nova Scotia. (2 presentations)
Resource Manag. Behav. Ecology Symposium, Vancouver, BC
Zooplankton Ecology Symposium, Appleton, WI
- 1992 SILTA 25, Barcelona, Spain.
- 1993 ASLO Annual Meeting, Edmonton (2 presentations)
International Assoc. Great Lakes Research, Green Bay, WI
3rd International Cladocera Conference, Bergen, Norway
Ecological Society of America, Madison, WI
- 1994 Global Environmental Change Conference, Oak Ridge, TN
ACM Environmental Studies Conference, Beloit, WI
ASLO Climate Change Symposium, Washington, D.C.
(2 presentations)
Wisconsin Academy of Science, Arts & Letters, Milwaukee, WI
- 1995 Wisconsin Academy of Science, Arts & Letters, Madison, WI
Society for Experimental Biology, St. Andrews, Scotland
Sumner Richman Celebratory Symposium, Appleton, WI
SILTA 26, Sao Paulo, Brazil
- 1996 ASLO Annual Meeting, Milwaukee, WI
National Conference on Undergraduate Research, Asheville, NC
American Academy of Allergy, Asthma & Immunology, NC

PUBLISHED ABSTRACTS (continued)

- 1997 ASLO Annual Meeting, Santa Fe, NM (2 presentations)
2nd Intern. Symposium on Diapause in Crustacea, Belgium
Ecological Society of America, Albuquerque, NM
- 1998 ASLO Ocean Sciences Annual Meeting, San Diego, CA
Wisconsin Academy of Sciences, Arts & Letters, De Pere, WI
SILTA 27, Dublin, Ireland (2 presentations)
- 1999 ASLO Annual Meeting, Santa Fe, NM (2 presentations)
American Society for Microbiology, Ames, IA
- 2001 ASLO Annual Meeting, Albuquerque, NM (2 presentations)
- 2003 Diapause in Aquatic Invertebrates, Verbania, Italy
- 2005 ASLO Annual Meeting, Santiago de Compostela, Spain
State of Lake Michigan Conference, Green Bay (2 talks)
- 2006 Ecological Society of America Annual Meeting, Memphis, TN
PEW Midwestern States Consortium, Chicago, IL
- 2007 ASLO Aquatic Sciences Meeting, Santa Fe, NM (2 talks)
SILTA 30, Montreal, Canada (2 talks)
State of Lake Michigan Conference, Traverse City, MI
- 2008 Ecological Society of America Annual Meeting, Milwaukee, WI