

BIOGRAPHICAL INFORMATION

EMILY H. STANLEY

EDUCATION

B.S., Biology, Yale University, 1984

M.S., Biology, Southwest Texas State University, 1986

Ph.D., Zoology, Arizona State University, 1993

PROFESSIONAL EMPLOYMENT

Associate Professor, Center for Limnology and Department of Zoology, University of Wisconsin, 2004-present.

Assistant Professor, Center for Limnology and Department of Zoology, University of Wisconsin, 1998-2004.

Assistant Professor, Department of Zoology, Oklahoma State University, 1995-1998

Post-Doctoral Research Associate, Department of Biological Sciences, University of Alabama, 1993-1995.

RESEARCH INTERESTS

Ecosystem ecology of rivers, streams and wetlands; biogeochemistry of nitrogen, phosphorus, and carbon in aquatic ecosystems; geomorphological-ecological linkages; river restoration.

AWARDS AND HONORS

University of Wisconsin Vilas Associate Award, 2003-2005.

Madison Magazine- Madison's 50 People Who Make A Difference List, 2002.

American Association of University Women Educational Foundation: American Dissertation Fellowship 1991 - 1992.

Arizona State University Graduate College fellowship, 1988.

TEACHING ACTIVITIES

Executive committee member: "Human dimensions of social and aquatic system interactions." National Science Foundation Integrative Graduate Education and Research Training grant (IGERT). 1998-2002.

Project Intermath Team Member (team development of interdisciplinary math exercises for classroom use; sponsored by the National Science Foundation and the U.S. Military Academy) 1996-1998.

Classes taught at University of Wisconsin: Animal Biology, Ecology of Streams and Rivers, Limnology, Problems in Oceanography, Graduate seminars in Limnology.

ACADEMIC MENTORING

Undergraduate Thesis Students

Michelle A. Luebke, B.S. Zoology, 2000.

Aaron L. Thiel, B.S. Botany and Zoology, 2002.

Suresh A. Sethi, B.S. Zoology, 2002.

Jeffrey R. Watters, B.S. Anthropology and Zoology, 2004.

Scott R. Laeser, B.S. Biology, 2004.

James M. Raspanti, B.S., Chemistry, in progress.

Graduate Students

Oklahoma State University

John J. Spranza II, M.S., Zoology, 1998.
W. Michael Mallett, M.S., Zoology, 1998.
Gary W. Hunt, Ph.D., Zoology, 1999.

University of Wisconsin

Ross E. Freeman, M.S., Conservation Biology and Sustainable Development, 2000.
Jonathan L. West, M.S., Zoology, 2001.
Cailin H. Orr, M.S., Limnology and Marine Sciences 2002; Ph.D. in progress.
Kenneth J. Forshay, M.S., Zoology, 2003.
Kristy L. Rogers, M.S., Limnology and Marine Sciences, in progress.
Abigail S. Popp, M.S., Limnology and Marine Sciences, in progress.

Post-doctoral associates

Hojeong Kang, 1998-2000.
Jacques C. Finlay, 2000-2001.
Karen A. Wilson 2002.

PROFESSIONAL SOCIETY MEMBERSHIPS

American Geophysical Union
American Society of Limnology and Oceanography
American Water Resources Association
Ecological Society of America
North American Benthological Society
Society of Wetland Scientists

OTHER PROFESSIONAL ACTIVITIES

Committee on Hydrologic Sciences, National Research Council, 2005-present.
National Ecological Observatory Network (NEON), Science and the Human Dimension
Committee Member (Hydroecology sub-committee), 2005.
Associate Editor- Ecological Applications 2004-present.
Interdisciplinary working group on Floodplain Science- steering committee. Sponsored by
Consortium of Universities for the Advancement of Hydrologic Sciences, Inc. (CUAHSI).
2004.
Participant, National Research Council - National Center for Earth-Surface Dynamics Planning
Workshop on Stream Restoration, 2003.
National Science Foundation- Committee of Visitors member- outside review panel for Ecology
Program- 2002.
Environmental Stewardship Award Committee- North American Benthological Society, 2003-
present.
Conservation and Environmental Issues Committee Co-Chair- North American Benthological
Society, 2002-present.
Participant- Heinz Center Dam Removal Research Workshop, 2002.
Participant- Integrating Ecological and Geological Sciences Workshop- NSF-sponsored
workshop, 2001.
Aquatic Section Secretary, Ecological Society of America, 2001-2003.

National Science Foundation-Long Term Ecological Research site review team- Niwot Ridge LTER Site, 2001.

Panelist, National Science Foundation Biocomplexity in the Environment: Coupled Biogeochemical Cycles Competition, 2001.

Science Advisory Committee, The Nature Conservancy, Emiquon Reserve Restoration Project, 2001-2002.

Program Planning Committee- Wisconsin River Alliance/Trout Unlimited Small Dam Removal Technical Conference, 2000-2001.

Award of Excellence and Distinguished Service Award Committee- North American Benthological Society, 2000-2001. (committee chair in 2001)

National Center for Ecological Analysis and Synthesis: "Managed Floods" workshop participant, 1999; "Freshwater and environmental change" working group member, 1999-2000.

Panelist, National Science Foundation Integrative Graduate Education and Research Training Grant Competition, 1999.

Scientific Advisory Group member- Arid west water quality research project, Pima County Wastewater Management Department (funded by the U.S. Environmental Protection Agency). 1998-1999.

Experts Workshop participant- Osage Plains/Flint Hills ecoregion. Kansas, Missouri, and Oklahoma Chapters of the Nature Conservancy. 1998.

Steering committee, 24th annual meeting, Great Plains Limnologists Society, Stillwater, OK. 1997.

Human Resources Committee, North American Benthological Society, 1996-1997

Panelist, National Science Foundation Doctoral Dissertation Improvement Advisory Panel, 1995-1996.

Student paper judge, North American Benthological Society annual meetings, 1994-1997; 2001-2003.

Participant, Edwards Aquifer Biological Research Forum, Sponsored by the Nature Conservancy of Texas, Austin, TX 1994.

Journal reviewer for: Animal Behavior, Aquatic Sciences, Archiv für Hydrobiologie, ASAE Transactions, Biogeochemistry, BioScience, Biotropica, Canadian Journal of Fisheries and Aquatic Sciences, Ecology, Ecosystems, Environmental Biology of Fishes, Freshwater Biology, Frontiers in Ecology and the Environment, Global Change Biology, Hydrobiologia, Hydrological Processes, Journal of the American Water Resources Association, Journal of the North American Benthological Society, Limnology and Oceanography, River Research and Applications, Science, Southwestern Naturalist.

Proposal reviewer for: CALFED, Illinois Water Resources Center, National Institutes for Water Resources, National Oceanic and Atmospheric Administration, National Science Foundation (Biocomplexity, Ecological and Evolutionary Physiology, Ecology, Ecosystem Studies, LTER, Hydrology, International Research, Geography and Regional Science, Microbial Observatories and Microbial Interactions and Processes), Sigma Delta Epsilon, Wisconsin Water Resources Center, U.S. Fish and Wildlife Service, U.S. Geological Survey.