**Michael A. Barger, Ph.D.**

**Bio:**

Dr. Barger teaches courses in biology and earth science. His research interests include stream ecology, biology of the acanthocephalans, and landscape ecology. Currently, his research focuses on the transmission ecology of parasites of fishes in the Nemaha Rivers, the evolution of acanthocephalans in turtles, and the spatial ecology of funnel-weaving spiders along the banks of the Missouri

River.

**Professional Preparation**

University of Nebraska—Lincoln Biological Sciences B.S., 1994

University of Nebraska—Lincoln Parasitology M.S., 1997

Wake Forest University Parasitology/Ecology Ph.D., 2001

**Appointments**

2008-present Director, Honors Program, Peru State College.

2006-present Associate Professor of Biology, Peru State College.

2001-2006 Assistant Professor of Biology, Peru State College.

**Publications**

*Publications most closely related to proposed project*:

Barger, M.A. 2010. A new species of *Caecincola* (Trematoda: Cryptogonimidae) from spotted bass (*Micropterus punctulatus*) in the Big Thicket National Preserve, Texas, U.S.A. Comparative Parasitology **77:** 6-8.

Barger, M.A. 2010. A new species of *Lissorchis* (Trematoda: Lissorchiidae) from creek chubsuckers (*Erimyzon oblongus*) in the Big Thicket National Preserve, Texas, U.S.A. Comparative Parasitology **77:** 1-5.

Barger, M.A. 2012. Redescription of *Polylekithum catahoulensis* (Trematoda) and anatomical differentiation from *Polylekithum ictaluri*. Comparative Parasitology **79:** 143-146.

Barger, M.A. 2005. A new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) from turtles in Florida. Comparative Parasitology **72:** 6-9.

Barger, M.A., V.E. Thatcher, and B. B. Nickol. 2004. A new species of *Neoechinorhynchus* (Acanthocephala: Neoechinorhynchidae) from a turtle in Mexico. Comparative Parasitology **71:** 1-3.

*Other significant publications*:

Barger, M.A. 2006. Spatial heterogeneity in the parasite communities of creek chub (*Semotilus atromaculatus*) in southeastern Nebraska. Journal of Parasitology **92:** 230-235.

Richardson, D.J., and M.A. Barger. 2006. Redescription of *Oligacanthorhynchus major* (Machado Filho, 1963) Schmidt, 1972 (Acanthocephala: Oligacanthorhynchidae) from the white-lipped peccary (*Tayassu pecari*) in Bolivia. Comparative Parasitology **73**: 157-160.

Barger, M.A. 2004. The *Neoechinorhynchus* of turtles: distribution, host use, and specimen base. Comparative Parasitology **71:** 118-129.

Barger, M.A., and G.W. Esch. 2002. Host specificity and the distribution-abundance relationship in a community of parasites infecting fishes in streams of North Carolina. Journal of Parasitology **88:** 446-453.

Barger, M.A., and G.W. Esch. 2000. *Plagioporus sinitsini*: A 1-host trematode life cycle. Journal of Parasitology **86:** 150-153.

**Skills and experience relevant to proposed project**

17 years experience collecting, identifying and studying fishes, herpetiles and their parasites in 12 states and 2 countries.

3 large-scale, multi-year survey projects (1 in NE, 1 in NC, 1 in TX) of fishes and their parasites from streams, each involving the collection and identification of dozens of species of fishes and parasites.