

JOHN W. WENZEL

Professional Preparation

Harvard College Biology BA, with Honors, 1981
University of Kansas Entomology Ph.D, 1988



Appointments

1998 - present Associate Professor, Dept. of Entomology, OSU
1994-1998 Assistant Professor, Dept. of Entomology, OSU
1992-1993 Kalbfleisch Fellow, Amer. Museum Nat. Hist., New York
1990-1992 Postdoctoral Research Associate, Harvard University
1989-1990 Postdoctoral Research Associate, University of Georgia

Top Honors and Awards

Senior thesis graded *Summa cum laude*, Harvard University, 1981.
Elected Fellow, Willi Hennig Society, 1993
OSU Alumni Award for Distinguished Teaching, 1998
Mortar Board, OSU student honor society recognition, 2002.
Scarlet and Gray Honorary Professor, 2004.

Program capsules

Research: Evolution of complex and adaptive behaviors in insects, sociobiology of Hymenoptera, theory and methodology of phylogenetic reconstruction, insect systematics.

Teaching: Introductory Biology, Evolution, Biology of Social Insects, Cladistic Methods.

Extension/Outreach: Insect Fair at the Columbus Zoo, Columbus MetroParks
Bugstravaganza, Toledo Zoo's Butterfly and Bug Festival.

Most Important Scholarly Accomplishments, Last Five Years

- I am most proud of my prosperous graduate students, who have had two NSF predoctoral fellowships, two OSU Presidential Fellowships, and won more than a dozen top prizes at national and international meetings for their research. I feel this success is a good marker of my efforts.

Five Selected Publications (54 total)

Wenzel, J. W. 1998. A generic key to the nests of hornets, yellowjackets and paper wasps world-wide (Vespidae: Vespinae, Polistinae). *American Museum Novitates* #3224, 1-39.

Blackledge, T. A, and J. W. Wenzel. 2000. The evolution of cryptic spider silk: A behavioral test. *Behavioural Ecology* 11: 142-145.

Pickett, K. M, A. McHenry, and J. W. Wenzel. 2000. Nestmate recognition in the absence of a pheromone. *Insectes Sociaux* 47: 212-219.

Bucheli, S.R., J. -F. Landry, and J. W. Wenzel. 2002. Larval case architecture and implications for host plant associations in North American *Coleophora* (Lepidoptera: Coleophoridae). *Cladistics* 18: 71-93.

Branham, M.A. and J.W. Wenzel. 2003. The Origin of Photic Behavior and the Evolution of Sexual Communication in Fireflies (Coleoptera: Elateroidea). *Cladistics* 19: 1-22.

Selected Grants (\$444,467 total; \$234,793 as 1st PI)

NSF. Systematic revision of Polistinae (Hymenoptera: Vespidae), Prepared jointly with J. M. Carpenter, PI \$66,674. 1989.

NSF. Systematic revision of Polistinae (Hymenoptera: Vespidae). Prepared jointly with J. M. Carpenter, PI. , \$143,000, 1990

NSF, US-Hungarian Science and Technology Program. Modelling fundamental mechanisms of complex behavior of insect groups. \$52,793. 1994

NSF, Phylogeny of gelechioid moths. \$182,000. 2004.

Professional Service Highlights, Last 5 Years

- Associate Editor, *Cladistics*, 1995-2000.
- President, Willi Hennig Society, 2000-2002.
- Executive Board, Ohio Academy of Teaching, 2000-2003.

Key Collaborations

Organized international team for phylogeny of Gelechioidea moths (66,000 species) world wide.

Additional Synergistic activities

International outreach: Cladistics workshop in Tucuman, Argentina (March, 2002). As President of the Willi Hennig Society, I initiated and funded a five-day workshop organized by Dr. Pablo Goloboff, bringing six North American and European phylogeneticists to Argentina to teach the course. Eighty-eight participants from eight Latin American nations attended and received complete software packages at no cost.