

Biological Sciences

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<u>Research Interests</u>: Insect biodiversity, their natural history and identification. My primary work is focused on a large group of scarab beetles called the Macrodactylini. I also have interests in several other beetle, true bug and fly groups. Students in my lab have also worked on conservation and restoration ecology projects involving insects.

Current Ongoing Student Research Projects

- Development of an identification key to the ant genera of Wisconsin, including an updated faunal list for the state, notes on habitat and distribution.
- Development of an identification key to riparian true bugs of Wisconsin, including an updated faunal list for the state, notes on habitat and distribution.

Possible Contributions To Larger Projects

• Individuals can contribute to historical work on Wisconsin's robber flies (Diptera: Asilidae). An amazingly diverse group of predatory flies, ranging from a few mm to several cm in length. Several genera or species groups need someone to clear up their identifications, natural history and distributions in Wisconsin.

• Individuals can contribute to historical work on a portion of Wisconsin's True Bugs (Hemiptera: Alydididae, Berythidae, Coreidae and Reduviidae). All of these families need work to complete our understanding of their natural history and distributions.

• Contribute to the monitoring of insect biodiversity at the Urban Ecology Center located in downtown Milwaukee, as part of a long-term study to document potential success of an ecological restoration effort.



