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Curriculum vitae

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EDUCATION

2007 B.S. in Biology
University of Illinois at Chicago

RESEARCH EXPERIENCE

2008- Currently working on structuring a MS thesis research project focusing on the affects different woodland management histories have on the leaf litter community density and diversity. I will be examining the arthropod community in different forest sites around the Chicago land area. I will mainly focus on Beetles, Collembola and spiders as my target taxa.

Jan-Aug 2004

Undergraduate research project: Studying the behavioral interactions of Myrmecophile Staphylinidae beetles and their ant host. Partook in Collection trips into habitats of interest in which host ants were known to occur. Collected a number of myrmecophilous staphylinids and observed them in a small colony setting at the Field Museum of Natural History. Research into the understanding of the different modes of interaction between inquilines and their ant hosts. Furthered personal understanding of the development of myrmecomorphic and non-myrmecomorphic morphologies due to selective host behavior. Under the guidance of Dr. Margaret Thayer at the Field Museum.

2007 Worked on identifying a number of staphylinids and other coleopteran fauna collected in Iraq during a yearlong deployment. With the identification of the samples, it is hoped to update the species catalog of staphylinid beetles in Iraq; preliminary results indicate an increase of new generic records for Iraqi staphylinids.

RESEARCH INTERESTS

- Coleoptera Ecology and Systematics
- Inquiline diversity in ant colonies, with special interest in staphylinid myrmecophiles
- Insect ecology
- Invasive species

PUBLICATIONS and PRESENTATIONS

Thayer, M. K. and Martínez J-C. 2007. Beetle-Bits 101: Imaging Staphyliniformia and Scarabaeiformia for the Beetle Tree of Life project, poster presented at the 2007 annual meeting, Entomological Society of America, San Diego, CA.

TEACHING EXPERIENCE

2008-2009

Teaching Assistant for Comparative Vertebrate Anatomy BIOS 272 Fall 2008 and Fall 2009

2008-2009

Teaching Assistant for Population and Community Ecology BIOS 101 Spring 2009.

2005 *Co-Instructor:* Combat Life Savers Course for Iraqi Army Soldiers, and Emergency Medical Technician-Basic refresher course for U.S. Army Soldiers, Kirkuk Iraq, 2005.

WORK EXPERIENCE

Feb 2006 Aug 2008- Field Museum of Natural History, Intern Division of Insects, Chicago Illinois.

Responsibilities: Specimen preparation and disarticulation for imaging for the Beetle Tree of Life web project. The work involves imaging whole and disarticulated specimens of 32 exemplar taxa in the series Staphyliniformia and 16 in Scarabaeiformia to document 600+ morphological characters of adults, larvae and pupae. Developing and documenting procedures for imaging techniques. Applying working knowledge of the Microoptics imaging system and SEM techniques to achieve high-quality images. Sorting of bulk samples and identifying target taxa (Coleoptera: Staphylinidae).

2000- Medical Express Ambulance service, EMT-B Chicago Illinois.
Special assignment to Children's Memorial Hospital ground transport team.

Responsibilities: Being part of a ground ambulance transport team consisting of two EMT-Bs; a nurse, and a respiratory therapist who in emergency situations transport patients from hospitals of lower pediatric care to our advance pediatric care hospital.

2000- 2009 United States Army (National Guard), Medical Healthcares Sergeant North Riverside Illinois.

Responsibilities: Head sergeant of a platoon size element, in charge of 22 medical personnel soldiers. In country mobilization to Ft. McCoy WI Feb –May 2003. Deployment in support of Operation Iraqi Freedom Aug 2004-Dec 2005.

LANGUAGE:

Spanish: High fluency and proficiency both verbal and written.