

Curriculum Vitae
Stephanie Alexandra Dole
(Formerly Stephanie Alexandra Stephens)
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Education

Doctorate of Philosophy in Entomology: Michigan State University, December 2008 (Began Ph.D. at Texas A & M University and transferred to Michigan State University along with major professor, Dr. Anthony Cognato, and research laboratory, May 2006). Conducted National Science Foundation funded research on the tropical biodiversity, evolution, and taxonomy of bark and ambrosia beetles (Coleoptera: Cucurliiondae: Scolytinae).

Bachelor of Science in Entomology: University of California, Davis, June 2003.

Associate Degree in Liberal Arts: Solano Community College, June 2001.

Teaching Experience

General Entomology Laboratory: Developed and presented lectures on insect biology, anatomy, and ecology, conducted laboratory activities, wrote and graded exams for 3 sections of class (75 students). Texas A & M University, Spring and Fall Semesters 2005.

Aquatic Bioassessment Laboratory: Lectured on aquatic insect taxonomy, organized labs, assisted on field trips, wrote and graded exams. Texas A & M University, Spring 2005.

Student evaluations available upon request.

Related Positions

Researcher in Residence: California Academy of Sciences, San Francisco. Invited researcher in the Department of Entomology. April 2008 - present.

Science Outreach and Education: Michigan State University, Department of Entomology. Led educational tours of the “Bug House” museum and assisted in outreach events on campus and at local schools. September 2006 – March 2008.

Scientific Assistant: California Department of Food and Agriculture Plant Pest Diagnostics Laboratory. Assisted CDFA entomologists with research and insect collections work. January - July 2003.

Museum Collections Assistant: Bohart Museum of Entomology, UC Davis, Lab Assistant III. Curatorial work including the pinning, labeling, shipping, and sorting insect specimens and leading educational tours of the museum. June 2001 - January 2003 (volunteered time at Museum beginning in 1999).

Science Outreach and Education: Coevolution Institute, a San Francisco based

nonprofit organization. Worked with the Bugmobile program bringing live arthropods and educational presentations to community events. October 2000 - April 2001.

Mosquito Abatement: Seasonal employee with the Salt Lake City Mosquito Abatement District. Inspected sites, treated for mosquitoes, maintained traps, and sorted specimens. Licensed Pesticide Applicator (UT). Summer 1998.

Assistant Keeper: Utah's Hogle Zoo. Assistant keeper in butterfly exhibit and nighttime closing keeper throughout zoo. March 1997 - September 1998.

Publications

Dole, S. A. and R. A. Beaver. 2008. A review of the Australian species of *Xylosandrus* Reitter (Coleoptera: Curculionidae: Scolytinae). *The Coleopterists' Bulletin* 62(4): 481-492.

Hulcr, J., R. A. Beaver, W. Puranasakul, S. A. Dole, S. Sonthichai. 2008. A comparison of bark and ambrosia beetle communities in two forest types in Northern Thailand (Coleoptera: Curculionidae: Scolytinae and Platypodinae). *Environmental Entomology* 37(6): 1461-1470.

Dole, S. A. and A. I. Cognato. 2007. A new genus and species of Bothrosternina (Coleoptera: Curculionidae: Scolytinae) from Ecuador. *The Coleopterists' Bulletin* 61(2): 318-325.

Hulcr, J., S. A. Dole, R. A. Beaver, and A. I. Cognato. 2007. A cladistic review of the xyleborine generic taxonomic characters (Coleoptera: Curculionidae: Scolytinae). *Systematic Entomology* 32(3): 568-584.

Rabaglia, R. J., S. A. Dole, and A. I. Cognato. 2006. A review of the Xyleborina (Coleoptera: Curculionidae: Scolytinae) in America North of Mexico, with an Illustrated Key. *Annals of the Entomological Society of America* 99(6): 1034-1056.

Presentations

Dole, S. A. 2008. Barking up the evolutionary tree of the inbred, invasive beetle genus *Xylosandrus* (Coleoptera: Curculionidae: Scolytinae). Pacific Coast Entomological Society Meeting, California Academy of Sciences, San Francisco, CA.

Dole, S. A., A. I. Cognato, and T. L. Erwin. 2008. Canopy fogging reveals diversity of Scolytinae (Coleoptera: Curculionidae) in Ecuadorian Amazon. Entomological Society of America, 56th Annual Meeting, Reno, Nevada.

Dole, S. A. and A. I. Cognato. 2007. Phylogenetic revision of the genus *Xylosandrus* (Coleoptera: Curculionidae: Scolytinae) based on morphological and molecular data. Entomological Society of America, 55th Annual Meeting, San Diego, California.

Stephens, S. A. and A. I. Cognato. 2005. A new genus of bark beetle (Curculionidae: Scolytinae: Bothrosternina) from Ecuador. Entomological Society of America, 53rd

Annual Meeting, Ft. Lauderdale, Florida.

Stephens, S. A. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. Texas A&M University, Department of Entomology, Seventh Annual Graduate Student Forum.

Stephens, S. A., A. I. Cognato and T.L. Erwin. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. Entomological Society of America, 52nd Annual Meeting, Salt Lake City, Utah.

Posters

Dole, S. A., S. Sonthichai, C. Hutacharoen, and A. I. Cognato. 2006. Bark and ambrosia beetles of Thailand. Entomological Society of America, 54th Annual Meeting, Indianapolis, Indiana.

Stephens, S. A., A. I. Cognato and T.L. Erwin. 2004. Bark beetle (Coleoptera: Curculionidae: Scolytinae) diversity in the Ecuadorian rain forest canopy. National Science Foundation PEET, Fifth Biennial Conference, Urbana-Champaign, Illinois.

Awards

Dissertation Completion Fellowship: College of Agriculture and Natural Resources, Michigan State University, Fall 2008.

Entomological Society of America President's Prize Winner: Annual Meeting, Section A Student Oral Presentation Competition, 2007.

Outstanding Graduate Student Award for Ph.D.: Texas A&M University, Department of Entomology, 2006.

Entomological Society of America President's Prize Winner: Annual Meeting, Section A Student Oral Presentation Competition, 2005.

Entomological Society of America President's Prize Runner-Up: Annual Meeting, Section A Student Oral Presentation Competition, 2004.

Ph.D. Fellowship: Texas A&M University, Fall 2003.

Vansell Memorial Scholarship: UC Davis, 2002-2003 Academic year.

Harbison Award: UC Davis, 2002-2003 Academic year.

Teledyne Scholarship: UC Davis, 2002-2003 Academic year.

Leadership Experience

Graduate Student Representative to Curriculum Committee: Michigan State University, Department of Entomology 2006-2007 academic year.

Texas A&M University Graduate Student Council: Department of Entomology

Representative 2005-2006 academic year.

Texas A&M University Entomology Graduate Student Organization: Secretary (2004-2005); Vice-President (2005-2006).

Sixth Annual Ecological Integration Symposium: Co-chair, organizational committee, Texas A&M University, 2005.

Web Presence

Web-based Beetle Identification Keys (<http://xyleborini.tamu.edu/keys.php>): Produced interactive keys to the Xyleborina Beetles of North America with original images.

Beetlelady.com (www.beetlelady.com): personal website with entomological articles on Small Hive Beetle (*Aethina tumida*), the scolytine genus *Xylosandrus*, American Burying Beetle (*Nicrophorus americanus*), the coleopteran family Histeridae and its significance to forensic entomology, and the phylogenetic relationships of the suborders of Coleoptera.

Other Experience

Molecular Laboratory Experience: Experienced in molecular laboratory techniques for DNA sequencing.

Tropical Field Biology: Extensive experience in tropical forest research in Ecuador, Guyana, and Thailand (2003-2007).

Scanning Electron Microscopy: Trained in the use of SEM for arthropod imaging. Images used in print and online versions of North American Xyleborina key and in Robert J. Rabaglia (2005) The Validity of *Xyleborus impressus* Eichhoff (Coleoptera: Curculionidae: Scolytinae) as Distinct from *Xyleborus ferrugineus* (Fabricius). *Coleopterists' Bulletin* 59(2): 261-266.

North American Workshop in Cladistic Analysis: Completed workshop in phylogenetic analysis sponsored by The Willi Hennig Society at The Ohio State University, 2007.