

BYRON A. ADAMS

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Arizona State University
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Education

- Doctor of Philosophy, Geology**, Expected May 2011
Arizona State University, Tempe, Arizona
Dissertation: Influences of climate and tectonics on the geomorphology of the Bhutan Himalaya
Advisors: Drs. Kip Hodges and Kelin Whipple
- Master of Science, Geology**, August 2007
University of Cincinnati, Cincinnati, Ohio
Thesis: Exhumation and incision history of the Lahul Himalaya, northern India, based on (U-Th)/He thermochronometry and terrestrial cosmogenic nuclide dating techniques
Primary Advisor: Dr. Craig Dietsch Co-Advisor: Dr. Lewis Owen
- Bachelor of Science, Geology; Minor: Chemistry**, May 2005
Ball State University, Muncie, Indiana
Thesis: Fractal analysis of Laurentide glacial boundaries in the conterminous United States
Primary Advisor: Dr. Scott Rice-Snow

Professional Experience

Field Technician, Soils Lab Technician, Drill Assistant, Alt and Witzig Engineering Inc.,
Indianapolis, Indiana, June 2005 – August 2005

Publications

- Adams, B.A.** (2005) Fractal Analysis of Laurentide Glacial Boundaries in the Conterminous United States, Undergraduate Thesis, Ball State University.
- Adams, B.A.** (2007) Exhumation and incision history of the Lahul Himalaya, northern India, based on (U-Th)/He thermochronometry and terrestrial cosmogenic nuclide dating techniques. Thesis, University of Cincinnati.

Abstracts

- Adams, B. A.** and Rice-Snow, S. (2004), Divider analysis of central U.S. Wisconsinan glacial boundaries. *Abstracts with Programs - Geological Society of America*, 36, 281.
- Adams, B.A.**, Dietsch, C., Owen, L.A., Spotila, J., Caffee., M and von Soest, M. (2007). Rates of fluvial incision and exhumation in an active mountain belt, Lahul Himalaya, Northern India. *Meeting Abstracts – American Geophysical Union*.

Grants and Scholarships

- Arizona State University**, June 2007 – Present
- University Graduate Scholarship
- University of Cincinnati**, September 2005 – May 2007
- University Graduate Scholarship (2 years)
 - UC International Programs Student Grant
 - Geological Society of America Research Grant
 - Sigma Xi Research Grant
- Ball State University**, August 2001 – May 2005
- Presidential Scholarship (4 years)
 - Kane Scholarship (Geology Distinguished Senior Award)

- Matthew Quarter Foundation (field camp grant)
- Undergraduate Research Fellowship (1 year, funded by the Honors College)
- Undergraduate Research Grant (funded by the BSU Sponsored Programs)
- Undergraduate Research Grant (funded by the Honors College)
- North Central Division GSA Travel Grant

Honors/Awards/Societies

Arizona State University

- Research Assistantship

University of Cincinnati

- McMicken College of Arts and Sciences 2007 Outstanding Master's Student
- Teaching Assistantship (2 years)

Ball State University

- Magna cum Laude
- Dean's List for eight semesters
- Sigma Xi Outstanding Undergraduate Student Poster Presenter
- Departmental Honors (Department of Geology)
- Graduate of the Ball State Honors College
- Phi Society (BSU branch of Phi Beta Kappa)
- Phi Kappa Phi Honor Society
- Golden Key International Honor Society

Research Experience

Masters Research, University of Cincinnati

- Processed cosmogenic radio nuclide and apatite (U-Th)/He samples
- Trained graduate students to process radio nuclide and apatite (U-Th)/He samples
- Conducted field research in the Lahul Himalaya of northern India
- Poster presentation at the 2007 AGU National Meeting, San Francisco, CA,

Undergraduate Research Fellowship, Ball State University

- Digitized maps, performed divider analysis of digitized data, interpreted analyses
- Poster presentation at 2004 GSA National Meeting, Denver, CO
- Poster presentation at the 2005 Sigma Xi Annual Student Symposium, Muncie, IN

Teaching Experience

NASA Field Exploration Analysis Team (FEAT) group leader (February 2008)

Educated astronauts and engineers in the realm of field geology (run by ASU and NASA)

Teaching Assistant, Department of Geology, University of Cincinnati

- Environmental Science I (EVST 101)
- Environmental Science II (EVST 102)
- Tectonics (GEOL 201)
- Environmental Geology II (GEOL 105)
- Geology for Engineers and Architects (GEOL 374)
- Introduction to Geology (GEOL 103)

Geology and Chemistry Tutor, Ball State Learning Center

August 2002 – May 2003, August 2003 – May 2004, August 2004 – May 2005

Geology Supplemental Instructor, Ball State Learning Center, August 2002 – May 2003

Geology Instructor, Perry Meridian High School, Indianapolis, IN, July 2004

Professional Affiliations

Geological Society of America

Mineralogical Association of America

American Geophysical Union
Sigma Xi