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VITA
STEVEN A. JENNINGS

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EDUCATION

Ph.D., Geography, University of California Davis, June 1989.
Dissertation: Late Quaternary vegetation history of the White Mountains region, California, as reconstructed from the analysis of packrat middens.
Advisor: Dr. Deborah L. Elliott-Fisk.

Master of Science, Geography, University of Utah, December 1983.
Thesis: Soil-plant relationships in *Cercocarpus ledifolius* stands in the Wasatch Mountains. Advisor: Dr. Jeanne Kay.

Bachelor of Science, Geography, University of Utah, June 1981.

AREA OF INTEREST

Quaternary Environments, Biogeography, Mountain Environments, Geography Education

TEACHING EXPERIENCE

University of Colorado at Colorado Springs, August 1997-Present.
Associate Professor 2001-Present, Assistant Professor 1997-2001: Advanced Biogeography, Biogeography, Cartography, Colorado Plant Communities, Development of Geographic Thought, Environmental Systems: Climate and Vegetation, Environmental Systems: Landforms and Soils, Geographic Issues: Trails, Geography of Climate Change, Gateway Program Seminar (Freshman Seminar), Introduction to GIS, Map and Compass, Plant Communities of the Western United States.

University of Latvia, Riga, Latvia, January 2007-June 2007.
Fulbright Scholar Lecturer: Regional Geography of North America, Historical Geography of the United States, Biogeography.

Texas A&M University, September 1990- July 1997.
Assistant Professor: Planet Earth: Introduction to Earth Systems Science, Field Methods, Thematic Cartography, Global Climatic Regions, Quaternary

Geomorphology, Plant Communities of the Western United States, Plant Geography.

Texas A&M University at Galveston, Summer 1994.

Assistant Professor: Human Geography for Semester at Sea aboard the *T/S Texas Clipper*.

University of Oregon, 1989-90 Academic Year; 1992 Summer.

Visiting Assistant Professor: Introductory Physical Geography, Biogeography, Biogeography of the Western United States, Field Methods, Seminar in Quaternary Biogeography.

University of California, Davis. Winter Quarter 1984-Fall Quarter 1988.

Instructor: Introductory Physical Geography, Analysis of Landforms. Teaching Assistant: Introductory Physical Geography, Climate and Weather, Environmental Analysis, Cartography, Economic Geography.

American River College, Sacramento, Summer 1987.

Instructor: Introductory Physical Geography

University of Utah, 1982-83 Academic Year.

Teaching Assistant: Introduction to the Physical Environment, Case Studies in Environmental Impact.

PUBLICATIONS

Refereed

- In Press The construction of sense of place, observations from the field. *GeoHumanities*
- 2016 Jennings, S. and G. Ekiss. A geographic perspective for analyzing primary sources. *Social Education* 80(5): 304-308.
- 2015 Preservice teachers and geography education in Colorado. *Papers In Applied Geography* 1(1): 90-95.
- 2014 Jennings, S. and E. Billmeyer. Modeling subalpine and upper montane forest-climate interactions in Colorado: a comparative study using GIS. *International Journal of Applied Geospatial Research* 5(4): 22-35.
- 2013 Forest changes on Pikes Peak, Colorado, as interpreted through repeat photography. *Papers In Applied Geography* 36: 83-91.
- 2013 Questions to facilitate the use of maps as primary sources in the classroom. *The Social Studies* 104: 200-206.

- 2012 Jennings, S. and E. Billmeyer. Modeling subalpine and upper montane forest-climate interactions in Colorado. *Papers of the Applied Geography Conferences* 35: 327-335.
- 2008 A reexamination of the origin of forest differences at a subalpine location in Colorado. *Madrono* 55: 303-305.
- 2006 A content comparison of six physical geography textbooks spanning a century. *International Research in Geographical and Environmental Education* 26: 1-14.
- 2004 Jennings, S. A. and R. Larkin. "Colorado Springs, Colorado", *Encyclopedia of the Great Plains*, (D. J. Wishart, Ed.), University of Nebraska Press, p. 164.
- 2003 Unconsidered impacts of reforestation in the Pikes Peak region, Colorado. *Papers of the Applied Geography Conferences* 26: 399-407.
- 2003 Jennings, S. A. and T. P. Huber. Campus-based geographic learning, a field oriented teaching scenario, *Journal of Geography* 102: 185-192.
- 2003 Jennings, S. A. and E. C. Grunfest. Floods in *Handbook of Weather, Climate and Water: Atmospheric Chemistry, Hydrology and Societal Impacts*. (T. D. Potter and B. R. Coleman, Eds.), Wiley & Sons, pp. 691-708.
- 1999 Implications of stream impoundment on Yegua Creek, Texas, *Journal of Environmental Systems* 27: 293-310.
- 1996 Analysis of pollen contained in middens from the White Mountains and Volcanic Tableland of Eastern California, *Palynology* 20: 5-13.
- 1996 An evaluation of the influence of travel on the geographic knowledge of college students, *International Research in Geographical and Environmental Education* 5: 45-54.
- 1995 Late Quaternary changes in pinyon and juniper distributions in the White Mountain region of California and Nevada, *Physical Geography* 16: 276-288.
- 1993 Jennings, S. A. and D. L. Elliott-Fisk. Packrat midden evidence of late Quaternary vegetation change in the White Mountains, California-Nevada, *Quaternary Research* 39: 214-221.
- 1993 Using an urban "attractiveness index" as a method in teaching college level field geography, *Journal of Geography* 92: 41-42.

- 1991 Jennings, S. A. and D. L. Elliott-Fisk. Late Pleistocene and Holocene changes in plant community composition in the White Mountain region, *Natural History of Eastern California and High-altitude Research, White Mountain Research Station Symposium*, Vol. 3, (C.A. Hall, V. Doyle-Jones and B. Widawski , Eds.), pp. 1-17.
- 1988 Late Quaternary vegetation change in the White Mountain region, *The Mary DeDecker Symposium, Plant Biology of Eastern California, Natural History of the White-Inyo Range Symposium*, Vol. 2, (C.A. Hall and V. Doyle-Jones, Eds.), pp. 139-147.

Contribution to a Report

- 2012 *Connections. An Alignment of the Common Core State Standards for English Language Arts & Literacy in History/Social Studies, Science, & Technical Subjects to the Geography for Life: National Geography Standards, Second Edition.*

Edited CD

- 2011 Gindele, R., T. Gutshall, D. Palmer, and D. Valdez. *An AP Human Geography Test Bank, Version 2.0*, (S. Jennings and R.Theobald, Eds.).
- 2010 Gindele, R., T. Gutshall, D. Palmer, and D. Valdez. *An AP Human Geography Test Bank, Version 1.0*, (S. Jennings and R.Theobald, Eds.).

Edited Book

- 1994 editor. *Fundamental Applications of Physical Geography*, Burgess Publishing.

Publication for the General Public

- 2014 Huber, T. and S. Jennings, UCCS Ecosystems in *Discovering a Place-A UCCS Field Guide* (T. Huber and C. Huber, Eds.), University of Colorado Colorado Springs, pp. 67-84.
- 2014 Jennings, S. and T. Huber, UCCS Selected Plant List in *Discovering a Place-A UCCS Field Guide* (T. Huber and C. Huber, Eds.), University of Colorado Colorado Springs, pp. 85-93.
- 2002 Pikes Peak as a cultural icon, how a mountain became an American symbol, *Cheyenne Mountain Kiva* 6(1):8-13 and 6(2):8-9.
- 2000 Pikes Peak, then and now, *Friends of the Peak Fall Newsletter*.
- 1998 Pikes Peak as Cultural Icon, *Pikes Peak Picayune*, summer edition: 1-2. (Newsletter of the Friends of the Peak).

Fieldtrip guide

- 1999 Pikes Peak Field Trip, Great Plains/Rocky Mountain Division of the Association of American Geographers Meeting

ABSTRACTS

- 2016 Jennings, S., P. Morris, C. Gibbes. The Role of Military Experience in the Choice of Geography as an Undergraduate Major. Abstracts. Applied Geography Conference, Louisville, KY.
- 2016 Representing Landforms Using 3D Printers. Abstracts. COLTT Conference, Boulder, CO.
- 2015 Jennings, S, H. Thompson, and G. Ekiss. Tools to Integrate Geography Into Teaching With Primary Sources. Abstracts, National Council for Geographic Education, Washington, DC.
- 2012 Keys-Mathews, L., S. Jennings, J. Harrington, and J. Mitchell. Best Practices in GIS Professional Development for K-12 Teachers: Examples from the Network of Alliances of Geographic Education. Abstracts, National Council for Geographic Education, San Marcos, TX.
- 2012 Pre-service Teachers and Geography Education in Colorado. Abstracts, Association of American Geographers, New York.
- 2011 Using Historic Images to Understand Environmental Change. Abstracts, National Council for Geographic Education, Portland, OR.
- 2011 Forest Mosaics on Pikes Peak, Colorado. Abstracts, Association of American Geographers, Seattle.
- 2010 Obstacles and Opportunities for Integrating Geo-technology into K-12 Education. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Lawrence, KS.
- 2010 Theobald, R. and S.A. Jennings. What Role? To Excite or Assess Using Geospatial Technology. Abstracts, National Council for Geographic Education, Savannah, GA.
- 2010 Effective Use of Maps as Primary Sources in K-12 Classrooms. Abstracts, Association of American Geographers, Washington, DC.

- 2009 Jennings, S.A. and R. Theobald. Creating a Virtual Fieldtrip Using Google Map. Abstracts, National Council for Geographic Education, San Juan, Puerto Rico.
- 2009 Jennings, S.A., B.J. Vogt. Measuring the Success of a New Physical Geography-Based Learning Community. Abstracts, Association of American Geographers, Las Vegas.
- 2008 Soviet Monuments in a Post-soviet World, a Case Study from Estonia and Latvia. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Grand Forks, ND.
- 2008 Pikes Peak Forests as Cultural Landscape. Abstracts, Association of American Geographers, Boston.
- 2007 Jennings, S. and E Billmeyer. A Reexamination of Forest Differences at a Subalpine Location in Colorado. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Denver.
- 2006 Photographic Records of Tree Plantations on Pikes Peak, Colorado. Abstracts, Joint Annual Meeting of the Great Plains/Rocky Mountain Division and West Lakes Division American Association of Geographers, Lincoln, NE.
- 2006 Subalpine and Montane Forest-climate Interactions in Colorado. Abstracts, Association of American Geographers, Chicago.
- 2005 Strengthening the Position of Geography through Interdisciplinary Activities. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Laramie, WY.
- 2004 Density and Age Characteristics of Pikes Peak, Colorado Forests. Abstracts, Association of American Geographers, Philadelphia.
- 2003 The Past, Present and Future of Physical Geography Textbooks: A view of Pedagogical Perspectives. Geo-Nexus: Conference on Research in Geographic and Environmental Education. The Gilbert M. Grosvenor Center for Geographic Education, Southwest Texas State University, San Marcos, TX.
- 2003 Human Effects on the Structure of a Rocky Mountain Montane Forest. Abstracts, Association of American Geographers, New Orleans.
- 2002 Forest History Indicated by Comparing Montane and Subalpine Tree Stands on Pikes Peak, Colorado. Abstracts, Association of American Geographers, Los Angeles.

- 2001 Vegetation Changes as Documented by Repeat Photography in North Cheyenne Canon and Along the Gold Camp Road on Pikes Peak, Colorado. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Omaha, NE.
- 2001 Determining Forest Changes on the South Slope of Pikes Peak Using Historical Photographs. Abstracts, Association of American Geographers, New York City.
- 2000 Forest changes on Pikes Peak as analyzed by use of historical photographs. Abstracts, Association of American Geographers, Pittsburgh.
- 1998 The definition of Colorado Springs through Pikes Peak tourism. Abstracts, Great Plains/Rocky Mountain Division American Association of Geographers, Lawrence, KS.
- 1998 Changing perceptions of Pikes Peak and the environmental impacts. Abstracts, Association of American Geographers, Boston.
- 1997 Determining changes in riparian vegetation for Yegua Creek, Texas. Abstracts, Association of American Geographers, Fort Worth, TX., p. 127.
- 1996 Kuehn, D. D., S. A. Jennings, and D. B. Dickson. Holocene environmental variability as represented in an alluvial section on the Tol River, north-central Kenya. Abstracts, Southwest Division Association of American Geographers, Norman, OK.
- 1996 The effects of dam construction on riparian vegetation in Texas. Abstracts, Association of American Geographers, Charlotte, NC., p. 145.
- 1995 The effects of dam construction on discharge characteristics of Yegua Creek, Texas. Abstracts, Southwest Division Association of American Geographers, Las Cruces, NM.
- 1995 Using written statements in gauging student's perceptions of other countries. Abstracts, Association of American Geographers, Chicago, IL., p. 143.
- 1994 An anonymously positioned packrat midden and inferences about its deposition and preservation. Abstracts, Southwest Division Association of American Geographers, Hot Springs, AR.
- 1994 Reconstruction of late Quaternary plant communities in the Silver Peak Range, Nevada. Abstracts, Association of American Geographers, San Francisco, CA, p. 177.

- 1993 Holocene plant community dynamics in the Silver Peak Range, Nevada. Abstracts, Southwest Division Association of American Geographers, Fayetteville, AR.
- 1993 Late Quaternary plant community changes on the Volcanic Tableland of California. Abstracts, Association of American Geographers, Atlanta, GA, p. 113.
- 1992 Late Quaternary changes in pinyon and juniper woodlands of the White Mountains and Volcanic Tableland region of eastern California. Abstracts, Southwest Division Association of American Geographers, Denton, TX.
- 1992 Pollen analysis of packrat middens from the White Mountains of California. Abstracts, Association of American Geographers, San Diego, CA, p. 113.
- 1991 A comparison of pollen and macrofossils from packrat middens. Abstracts, Southwest Division Association of American Geographers, Nacogdoches, TX.
- 1991 The use of an "attractiveness index" for teaching urban field methods. Abstracts, Association of American Geographers, Miami, FL, p. 96.
- 1990 The use of packrat middens in determining late Quaternary environments of the White Mountains of California and Nevada. Abstracts, Southwest Division Association of American Geographers, Austin, TX, p. 39.
- 1990 Jennings, S.A. and W.R. Owen. Numerical analysis of modern and paleo-plant communities in the White Mountains, CA-NV. Abstracts, Association of American Geographers, Toronto, Canada, p. 116.
- 1989 Jennings, S.A., D.L. Elliott-Fisk, T.W. Swanson, and R.I. Dorn. A late-Pleistocene chronology of the White Mountains, CA-NV. Abstracts, Association of American Geographers, Baltimore, MD, p. 96.
- 1988 Jennings, S.A., J.G. Watkins, M.H. Winter, and D.L. Elliott-Fisk. Dynamics of *Juniperus* populations in the White Mountains, CA-NV. Abstracts, Association of American Geographers, Phoenix, AZ, p. 88.
- 1987 The relationship between the preservation of fossil packrat middens and environmental conditions in the White Mountains of California and Nevada. Abstracts, Association of American Geographers, Portland, OR, p. 47.

- 1986 Late Quaternary vegetation in the White Mountains, California and Nevada. Abstracts, Association of American Geographers, Minneapolis, MN, 193.
- 1985 An ordination of *Cercocarpus ledifolius* stands in the Wasatch Mountains. Abstracts, Association of American Geographers, Detroit, MI, 319.
- 1984 Soil-plant relationships in *Cercocarpus ledifolius* stands in the Wasatch Mountains. Abstracts, Association of American Geographers, Washington, D.C., 211.

BOOK REVIEWS

- 2016 Review of *The World of Maps, Map Reading and Interpretation for the 21st Century* by Judith Tyner in *Journal of Geography* 115:37.
- 1998 Review of *Germes, Guns, and Steel: the Fates of Human Societies* by Jared M. Diamond for Issue 55 of *The Biogeographer* newsletter of the Biogeography Specialty Group of the Association of American Geographers.
- 1997 Review of *Drawing the Line: Tales of Maps and Cartocontroversy* by M. S. Monmonier in *Cartography & Geographic Information Systems* 24: 239.
- 1996 Review of *Ecosystem Biogeography* by R. G. Bailey in *Journal of Geography* 95: 228-229.

GRADUATE STUDENTS

- 2011 Sheree Lynn, Master of Arts in Applied Geography. Thesis: Effects of river diversions on macro invertebrate populations.
- 2005 David Khaliqi, Master of Arts in Applied Geography. Thesis: Habitat factors affecting nest site selection of the black swift (*Cypseloides niger*) in Colorado.
- 2004 Kristin Andrew-Hoeser, Master of Arts in Applied Geography. Thesis: Physiographic plant geography of the Colorado Springs foothills area, Colorado
- 2002 Jody Millette-Larned, Master of Basic Science. Thesis: Hydrogeomorphic analysis of gully erosion in a small drainage basin: a case study in Park County, Colorado.
- 2002 Theresa Nallick, Master of Basic Science. Thesis: The nature of “pristine” and assessment of the condition of Cheyenne Mountain State Park.

- 2001 Dana Marcelle Mangold, Master of Basic Science. Thesis: Post-fire succession assessment of four communities at Great Sand Dunes National Monument and Preserve.
- 1998 Janine Peckham, Master of Basic Science. Thesis: Plant community and soil evaluation of the Prebles meadow jumping mouse habitats of the Colorado Springs area.
- 1998 Leigh Ann Garcia, Masters of Science. Thesis: An historical analysis of landscape structure change at Birch Creek State Park, Lake Somerville, Texas.
- 1997 Bryan Harris, Masters of Science. Thesis: Vegetation patterns of Pine Canyon, Big Bend National Park, Texas, in relation to elevation and slope aspect.

INVITED LECTURES

- 2014-16 Colorado Geographic Alliance presentation to pre-service teachers, Metro State University.
- 2014-16 Colorado Geographic Alliance presentation to pre-service teachers, UCCS.
- 2013-15 Presentations at Integrating the Social Studies Across Colorado History Workshop, History Colorado, Denver.
- 2013 Presentation on Geospatial Technology at the Fire Ecology Institute, Florissant, CO.
- 2013 Geography and the Standards, Boulder Valley School District, Boulder, CO
- 2013 Colorado's Geography, Presentation to volunteers at History Colorado.
- 2012 Integration of Geography into the Classroom, Westview Elementary School, Northglenn, CO.
- 2012 Colorado Geographic Alliance presentation to pre-service teachers, University Colorado Denver.
- 2012 Climate Change Workshop, History Colorado, Denver.
- 2012 Geospatial Technology. Colorado Association for Career and Technical Education, Pueblo, CO.

- 2012 Presentation on Geospatial Technology at the Fire Ecology Institute, Glenwood Springs.
- 2012 Geo Lit Trip Workshop Colorado Springs District 11.
- 2012 Population and Settlement Workshop. McClain Community School, JeffCo Schools.
- 2012 Elementary Teacher Professional Development. Colorado Springs District 11.
- 2012 Afghanistan Workshop. Lakewood High School, Lakewood.
- 2011 Colorado Geographic Alliance presentation to pre-service teachers, UCCS.
- 2011 Geo-literacy Workshop. Air Academy District 20, Colorado Springs.
- 2011 Using Historic Images to Understand Environmental Change. Colorado Alliance for Environmental Education Teaching Outside the Box, Colorado's Conference on Environmental Education, Boulder, CO.
- 2011 Colorado Geographic Alliance presentation to pre-service teachers, Metro State University.
- 2011 GIS workshop for North Middle School teachers, Colorado Springs
- 2011 Colorado Geographic Alliance presentation to pre-service teachers, University of Colorado at Boulder.
- 2010 Colorado Geographic Alliance presentation to pre-service teachers, Colorado State University-Pueblo.
- 2010 Colorado Geographic Alliance presentation to pre-service teachers, UCCS.
- 2010 Colorado Geographic Alliance presentation to pre-service teachers, UCCS.
- 2010 Jirous, J., E. Worker, J. Kerski, S. Jennings. Technology in the 21st Century Workforce. Colorado Association for Career and Technical Education, Ft. Collins, CO.
- 2010 Virtual Field Trips Using Google Earth. Colorado Alliance for Environmental Education Teaching Outside the Box, Colorado's Conference on Environmental Education, Northglen, CO.

- 2010 Jennings, S.A., R. Theobald, W. Mast. 21st Century Skills Forum, Sponsored by Junior Achievement, Pike Peak Community College.
- 2009 Jennings, S.A., R. Theobald. Virtual Field trips using Google Earth, Colorado Science Conference for Professional Development, Denver, CO.
- 2009 Colorado Geographic Alliance presentation to pre-service teachers, Metro State University.
- 2009 Colorado Geographic Alliance presentation to pre-service teachers, UCCS.
- 2009 Colorado Geographic Alliance presentation to pre-service teachers, Colorado College.
- 2009 Presentation on GIS and Geography, GIS Colorado, Frisco, CO
- 2009 Google Earth Presentation, Profoundly Gifted Retreat, Colorado Springs.
- 2009 Presentation for STEM in Real Life: Google Earth, UCCS.
- 2009 Jennings, S.A., R. Theobald. Geo Tech. Abstracts, Colorado Social Studies Conference, Denver.
- 2009 Theobald, R., S.A. Jennings. Virtual field trips using Google Earth. Abstracts, Colorado Science Conference for Professional Development
- 2006 Docents Cheyenne Mountain Zoo, Speech on biogeography
- 2006 Colorado Native Plant Society, Speech on the Plants of UCCS
- 2005 Forest changes on Pikes Peak as indicated by historical photographs and treerings. Given to the Southeastern section of the Native Plant Society and the Pike National Forest employee meeting.
- 2001 Pikes Peak as cultural icon. Given for the Colorado Springs Pioneers Museum and Friends of the Peak Annual Meeting.
- 2001 Biogeography of the Air Force Academy presented to the Air Force Academy Environmental Cooperation Council meeting.
- 2000 Plant community changes on Pikes Peak as interpreted through repeat photography. Given for The Pikes Peak Environmental Forum, The Horticultural Arts Society, The Pikes Peak National Forest Pikes Peak Ranger District Meeting, Colorado Springs Pioneers Museum and Friends of the Peak Annual Meeting.

- 1996 The reconstruction of Quaternary environments using packrat middens. The Department of Geography Colloquium Series, University of Texas at Austin.
- 1993-96 What can a packrat tell us about changing climate? Science Technology & YOUth Symposium, Texas A&M University.
- 1992 Using packrat middens as a method to reconstruct past environments. Archeological and Geoaicheological Field School, University of Oregon
- 1991 Looking back to the future, unraveling the puzzle of environmental change. Department of Geography Seminar Series, Texas A&M University.
- 1990 Packrat middens and the late Quaternary environments of the White Mountains, California. Department of Geography Seminar, University of Oregon.
- 1988 Packrat middens as indicators of climate change. Fall Lecture Series, White Mountains Research Station.

RESEARCH EXPERIENCES

Present research interests

Changing environments of the Pikes Peak region, Methodologies and techniques in teaching.

Research Assistant, University of California, Davis, June 1987-June 1988, September 1985, March 1984-June 1984, November 1983-December 1983.
Reconstruction of historical vegetation change in southern Arizona.
Worked on statistical analysis for the book: Bahre, C. J. 1991. *A legacy of change, historic human impact on vegetation of the Arizona borderlands*. The University of Arizona Press. 231 pp.

Research Assistant, University of California, Davis, September 1987-October 1987, March 1986-June 1986
Statistical analysis of historical changes in California precipitation.

Research Assistant, University of California, Davis, December 1984.
Preparation of packrat midden material and tree cores for analysis.

Master's Research, University of Utah, September 1981-December 1983.
A study of soil-plant relationships in *Cercocarpus ledifolius* stands in the Wasatch Mountains.

RELATED EXPERIENCE

Field Mapper, State of California, Farmland Mapping and Monitoring Program, Department of Conservation, July 1986-June 1987.

Subcontractor, land use consultant, Engineering and Management Services Division of Lockheed Corporation and the Environmental Protection Agency, July 1984.

Researcher, Utah Department of Natural Resources August 1982-February 1983.

GRANTS AND AWARDS

Learn Microchip Collaborative Grant for the Colorado Geographic Alliance from 100K in 10. 2016. \$3000.

Grant for the Colorado Geographic Alliance from Esri for Educator Training Events. 2015. \$5000.

Grant for the Colorado Geographic Alliance from The Gay & Lesbian Fund for Colorado, a program of the Gill Foundation to support Moving Geospatial Technology into the Classroom. 2013-14. \$15,000.

Collaborative Grant from the National Geographic Society Education Foundation in collaboration with the Arizona Geographic Alliance, Nevada Geographic Alliance, Oregon Geography Alliance, and Teaching with Primary Sources. Geographic Resources, Primary Sources, and the Common Core. 2013-14. \$50,000.

Mini Grant for Colorado Geographic Alliance. National Girls Collaborative Project Mini-Grant. The creation of a one-day workshop for teachers in collaboration with the GLOBE Program. 2013. \$1000.

Esri Special Award in GIS to the Colorado Geographic Alliance and S. Jennings and R. Theobald, 2010.

Appointed co-coordinator with Rebecca Theobald for the Colorado Geographic Alliance (COGA) by the Colorado Geographic Education Fund and the National Geographic Society Education Fund.

First year funding (Nov 1, 2008-Oct 31, 2009) \$113,985.

Second year funding (Nov 1, 2009-Oct 31, 2010) \$82,000.

Alliance Planning Grant (Nov 1, 2009-Oct 31, 2010) \$23,000.

Third year funding (Nov 1, 2010-Oct 1, 2011) \$96,885.

Fourth year funding (Nov 9, 2011-Oct 31, 2012) \$91,523.

Fifth year funding (Nov 1, 2012-Oct 31, 2013) \$90,572.

Sixth year funding (Nov 1, 2013-Oct 31, 2014) \$97,899.

Seventh year funding (Nov 1, 2014-Oct 31, 2015) \$104,623.

Eight year funding (Nov 1, 2015-Oct 31, 2016) \$112,595.

Ninth year funding (Nov 1, 2016-Oct 31, 2017) 120,549.

Fulbright Grant to lecture at the University of Latvia, 2007

Appointment as a Senior Research Fellow of the Fountain Institute and funding of a proposal to study Pikes Peak as an inherited cultural icon; Fountain Institution, Colorado Springs, 1998: \$2500.00.

The Association of Former Students of Texas A&M University College of Geosciences and Maritime Studies Distinguished Teaching Award for 1996.

Plio-Pleistocene human occupation, paleoenvironments, and landscape development in Laikipia and Isiolo Districts Kenya, East Africa; Texas A&M University Interdisciplinary Research Initiative Program, 1996: \$25,000; Co-PIs, D. Bruce Dickson, D. Kuehn.

Plio-Pleistocene Human Occupation and Paleoenvironments in Kakwa Lelash Rockshelter and Vicinity, Laikipia District, Kenya, East Africa; Texas A&M University Interdisciplinary Research Initiative Program, 1995: \$25,000; Co-PIs, D. Bruce Dickson, T. Boutton, D. Kuehn.

Texas A&M University Faculty/Staff Minigrant, 1992: \$600.00

Association of American Geographers General Research Grant, 1991: \$250.00

Inter-campus Travel Grant, University of California, Davis, 1987: \$600.00
1985: \$1000.00
1984: \$565.50

Graduate Student Research Grant, University of California, White Mountain Research Station,
1987 \$500.00
1986 \$500.00
1985 \$500.00
1984 \$400.00

Graduate Research Award, University of California, Davis, 1985-86 \$1000.00
1987-88 \$1076.00

ACADEMIC SERVICE

Member Outdoor Programs and Trails Coordinator Search Committee, June 8, 2016 to present, University of Colorado Colorado Springs

Member Greenhouse Committee, Fall 2014 to present, University of Colorado Colorado Springs.

Compass Curriculum Sustainability Subcommittee Chair, Spring 2014 to present,
University of Colorado Colorado Springs

College of Letters, Arts, and Sciences Committee on Curriculum and
Requirements Member, Fall 2013, University of Colorado Colorado Springs

Compass Curriculum Explore Sub-Committee Chair, Spring 2013 to Spring 2014,
University of Colorado Colorado Springs

College of Letters, Arts and Sciences Planning Committee, Fall 2012 to present,
University of Colorado Colorado Springs.

Member of Editorial Board, *Journal of Geography in Higher Education*, January
2010 to present.

Member of the Letters, Arts, and Sciences Committee on Teaching, Fall 2007 to
Spring 2008, Chair, Fall 2008 to Spring 2010, University of Colorado at Colorado
Springs.

Chair, Department of Geography and Environmental Studies, Fall 2001 to Spring
2004, Spring 2005 to Fall 2005, Spring 2012, University of Colorado at Colorado
Springs.

College of Letters, Arts, and Sciences Committee on Academic Progress Member,
2000 to Spring 2002, Chair, Fall 2002 to Spring 2004, University of Colorado at
Colorado Springs.

Chair of the Great Plains/Rocky Mountain Division of the Association of
American Geographers, July 1, 1999 to June 30, 2000. Organized Divisional
Meeting at the University of Colorado at Colorado Springs, September 23-25,
1999.

College of Letters, Arts, and Sciences Admission Committee Member, Fall 1998
to Summer 2004, Spring 2005 to Fall 2006, Fall 2007 to Spring 2011, Summer
2016, University of Colorado at Colorado Springs.

College of Geosciences and Maritime Committee on the Reorganization of the
Solid Earth Sciences Member, 1993, Texas A&M University.

College of Geosciences and Maritime Studies Committee on Student Recruitment
Member, 1992, Texas A&M University.

Department of Geography Scholarship Committee Member, 1992-1997, Texas
A&M University.

Co-advisor, Undergraduate Geography Club, 1990-91, Texas A&M University.

Geography Department Coordinator, 1989 Charitable Campaign, University of Oregon

Student Representative, Distinguished Teaching Award Committee for the College of Social and Behavioral Science, March-May, 1983, University of Utah.

Vice President, Student Advisory Committee, Department of Geography, 1982-83 Academic Year, University of Utah.

PROFESSIONAL ACTIVITIES

Testimony to the U.S. House of Representatives Committee on Natural Resources, Subcommittee on Energy and Mineral Resources concerning H.R. 5233 (Lamborn), Map It Once, Use It Many Times Act and H.R. 1620 (Kind/Bishop), Federal Land Asset Inventory Reform Act of 2011, May 3, 2012.

National Council for Geographic Education, Member 2008-present.

Southwestern Association of Naturalists, Member 2002-2010.

Campus Representative to the Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI), 2002-2010.

American Quaternary Association, Member 1987-2003.

Association of American Geographers as of January 1, 2016 the American Association of Geographers, Member 1982-Present; Treasurer of the Southwest Division, 1995-1997; Vice-Chair of the Great Plains-Rocky Mountain Division, July 1, 1998 to June 30, 1999; Chair of the Great Plains/Rocky Mountain Division of the Association of American Geographers, July 1, 1999 to June 30, 2000.

California Botanical Society, Member 1985-present.

Paleoecology Research Program at Texas A&M University, Member 1990-1995.

Gamma Theta Upsilon, Geography Honor Society, Member 1994-present.