

# **DONALD A. FRIEND**

*Curriculum Vitae – 8 November 2018*

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## **BIOGRAPHICAL SKETCH**

Dr. Friend is a seasoned academic professional with over 30 years of experience as a professor, researcher, administrator, manager, advisor, outdoor educator, and Fulbright Scholar. He is recognized for superior written and verbal communication, leadership and coalition building skills in a complex higher education system. He has a demonstrated capacity to effectively cultivate relationships with diverse constituents, understand and succeed within complex organizations, and adapt to changing environments. He also has excellent problem solving, decision-making, strategic planning and fund-raising skills. He demonstrates the values of ethics and integrity in all actions.

Dr. Friend's research and teaching interests focus on physical geography, especially earth surface and atmospheric processes, their interaction and human impacts in mountains. He is also keenly interested in geographic, environmental and international education.

At Minnesota State University (MSU) Dr. Friend serves as Professor and Chair of the Department of Geography, is Founding Director of the Minnesota Modeling and Simulation Center, and is Founding Program Director of the Professional Science Masters in Geographic Information Science. He served as Director of Earth Science Programs for 17 years, he served one year as Special Assistant to the Provost, and he and the Provost Co-Chaired the University 2010-2015 Strategic Planning Committee.

In service beyond his host institution Dr. Friend completed three-year terms on a Fulbright National Screening Committee, and on the American Association of Geographers (AAG) governing body, the AAG Council. He is the US Representative to the International Geographical Union Commission on Mountain Response to Global Change, and is past Chair and Founder of the Mountain Geography Specialty Group of the AAG. He is also past Chair of the Geomorphology Specialty Group of the AAG. From 2007 to 2010 he served as Associate Editor-in-Chief of the Journal of Mountain Science published by the Chinese Academy of Sciences and remains as Editorial Advisor, and from 2005 to 2009 he served as North American Regional Editor for Geographische Rundschau – International Edition published by Westermann in Germany. He sits on the advisory board of the Mountain Studies Institute.

Dr. Friend has written over 50 scholarly papers and reports, edited two books, and he has delivered dozens of scholarly presentations and lectures. He has garnered \$1.86 million in funding through grants, contracts and awards, and he manages \$2 million per year in external and internal resources.

Honors Dr. Friend has received include: a Fulbright Senior Scholarship; the "Barry Bishop Distinguished Career Award" from the Mountain Geography Specialty Group of the AAG; an award for Exceptional Service to the AAG; the "J. Warren Nystrom Award" for the Most Outstanding Dissertation Research in the AAG; membership in Gamma Theta Upsilon, the International Geographical Honor Society; and listing in Who's Who in America, Who's Who in the World and Who's Who in Science and Engineering. At MSU, awards he has received include: the only "Super Advisor" award ever given for garnering "Outstanding Advisor" nominations ten years in a row; an outstanding teaching award; the "Global Citizen Award" for major contributions to globalization efforts; being named a "Presidential Teaching Scholar Fellow;" being named an "MSU Author" for publishing a scholarly text; and he has delivered the annual "Frontier Forum" distinguished lectureship.

His education includes a Certificate in Management from the Harvard Graduate School of Education. His Ph.D. is in Geography from Arizona State University. He earned the M.A. in Geography at the University of Colorado at Boulder, and he earned the B.S. from the University of California at Berkeley in Conservation of Natural Resources.

Dr. Friend has held several invited appointments: Guest Professor at Universität Erlangen, Germany, and at the University of Applied Sciences, Karlsruhe, Germany; and he served as Visiting Scientist at the Scripps Institution of Oceanography as well as at the National Center for Atmospheric Research. He has held summer lectureships with Wildlands Research in the Wrangell Mountains of Alaska; and with The Mountain Institute.

In addition to academic pursuits, Dr. Friend is a mountaineer, husband and father, and remains active in the community. He instructed for the Colorado Outward Bound School seasonally from 1987 to 1994, is married with three children and served four years as the International Youth Exchange Officer in his local chapter of Rotary International.

## **EDUCATION**

Ph.D., Arizona State University, Geography, 1997.

*American Association Geographers 'J. Warren Nystrom' Award for the Most Outstanding Research Based Upon a Dissertation.*

Dissertation: "*Evolution of Desert Colluvial Boulder Fields, Eastern California.*"

M.A., University of Colorado at Boulder, Geography, 1988.

Thesis: "*Glacial Outburst Floods of the Kennicott Glacier, Alaska: An Empirical Test.*"

B.S., University of California at Berkeley, Conservation of Natural Resources, 1984.

## **CONTINUING EDUCATION**

- 2012 Management Development Program, Harvard Institutes for Higher Education, Graduate School of Education, Harvard University. Cambridge, Massachusetts.
- 2006 Healthy Departments Workshop. American Association Geographers. University of Georgia. Athens, Georgia.
- 2000 'GIS ACCESS' Workshop, Macalester College, Geographic Information Sciences Curriculum Clearing House and Faculty Enhancement Project-ATE 97-29; National Science Foundation Award #9850306. St. Paul, Minnesota.
- Mountain Geocology and Sustainable Development Workshop, 28<sup>th</sup> International Geographical Congress, Seoul, Korea.

## **CURRENT PROFESSIONAL ACTIVITY**

- 1997 – present Department of Geography, Minnesota State University, Mankato.
- 2011 – present Program Director, Professional Science Master's in Geographic Information Science (PSM in GISc)
- 2006 – present Professor
- 2005 – present Department Chair  
(elected to a 2<sup>nd</sup> term in 2008, 3<sup>rd</sup> term in 2011, 4<sup>th</sup> term in 2014, 5<sup>th</sup> term in 2017)
- 2001 – 2006 Associate Professor
- 1997 – 2001 Assistant Professor
- 1997 – 2014 Director of Earth Science Programs
- Secured \$450,000 in donations to the department
- Manage \$2 million per annum in external grants, contracts, appropriations and revenue generating accounts
- Advocate for faculty and programs with the university administration
- Perform public outreach and liaison activities
- 2011 – present Geomorphology Specialty Group, American Association Geographers.
- 2016 – Present Member of the Advisory Board
- 2015 – 2016 Chair
- 2014 – 2015 Secretary/Treasurer
- 2013 – 2014 Chair of the Awards Committee
- 2011– 2013 Member of the Awards Committee
- 2009 – present Founding Director, Minnesota Modeling & Simulation Center, Minnesota State University.
- Invited to form The Center by University Provost
- Formed in partnership with Center Director of Research, Dr. A. Filipovitch
- Recruit and develop contracts and agreements with industry and institutional partners
- Recruit campus partners and faculty researchers
- Liaison with state and federal legislators

- 2007 – present      Advisory Board Member, N. Doran Hunter International Lectureship Series, Minnesota State University.
- 2005 – present      Journal of Mountain Science published by the Chinese Academy of Sciences, Chengdu.  
<http://www.imde.ac.cn/journal/index.htm>.  
2011 – Present      Editorial Advisor  
2007 – 2010      Associate Editor in Chief  
2005 – 2006      Editorial Board Member
- Chair, Student Fulbright Candidate Review Committee, International Program Office, Minnesota State University.
- 2002 – present      Advisory Board Member, Mountain Studies Institute, Silverton, Colorado.  
<http://www.mountainstudies.org>
- 2000 – present      Steering Committee Member of the International Geographical Union Commission on *Mountain Response to Global Change*. Membership by appointment and is limited to approximately eight countries and usually to one scholar per participating country.

### **PREVIOUS PROFESSIONAL ACTIVITY**

(Teaching, Research, Administrative, Consulting)

#### **Teaching**

- 2013 – 2017      Guest Professor, Department of Geomatics, Karlsruhe University of Applied Sciences, Germany.
- 2007      Guest Professor, Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany. <http://www.geographie.uni-erlangen.de/en/pers/gast/prof-dr-donald-friend.html>
- 2004 – 2005      Fulbright Senior Scholar and Guest Professor, Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany. Taught full course load including: Geography of North America, Nature Conservation in Various World Regions, High Mountain Geography of North America, Field Excursion: Aeolian Islands, Field Excursion: Wetterstein – German Alps, and GIS Laboratory Practicum: Modeling Rock Glaciers.
- 2003      Senior Instructor, The Mountain Institute, Washington, D.C. Designed and taught K-12 faculty enrichment summer seminars on "Exploring Our Living Mountain Laboratory" a program funded by the National Geographic Society Education Foundation Grosvenor Grant Program.
- 2002      Instructor, West Virginia Faculty Development in International Studies (FACDIS), Spruce Knob Mountain Center, West Virginia, The Mountain Institute, Washington, D.C. Co-taught two one-week long K-12 faculty enrichment seminars on mountain environments.
- 1993 – 1994      Instructor, Division of Social Science, Paradise Valley Community College, Phoenix, Arizona. Full course responsibility for Introduction to Physical Geography including lecture and laboratory instruction. Designed and implemented all aspects of the curriculum.
- 1992 – 1993      Teaching Associate, Department of Geography, Arizona State University, Tempe, Arizona. Full course responsibility for one section (105 students) of Introduction to Physical Geography. Designed and implemented lecture portion of the curriculum. Supervised two Teaching Assistants responsible for laboratory instruction.
- 1990 – 1992      Teaching Associate, Department of Geography, Arizona State University, Tempe, Arizona. Responsible for curriculum design, assignments and grading in World Geography courses and in laboratory sections of introductory Physical Geography courses. World Geography responsibilities included designing and evaluating weekly writing and computer based research assignments which integrated cultural, physical and economic information. Laboratory lessons included environmental observation and data collection techniques involving, meteorology, hydrology, mapping, soil suitability and landform development.

- 1987 – 1994 Instructor, Colorado Outward Bound School, Denver, Colorado. All aspects of mountaineering, canyoneering, river running, campcraft, back country travel, first aid, group facilitation and one-on-one counseling are included in this position. Students and staff live in the field for 23-plus days. All instruction occurs out-of-doors in alpine environments above 10,000 feet or in desert environments. Responsible for the safety and well-being of ten novices in rugged expedition conditions, and for the training and evaluation of new staff.
- 1989 Instructor, Hurricane Island Outward Bound School, Florida Special Programs, Yulee, Florida. Instructed and facilitated intensive one month program for adjudicated youth-at-risk and their families. Supervised and trained two assistant instructors. Responsibilities included providing instruction and structure for teens in the wilderness setting and for the parents and teens at home.
- 1985 – 1988 Teaching Assistant, Department of Geography, University of Colorado at Boulder. Held discussion sections for two senior level courses covering physical, cultural and economic aspects of mountain environments. Instructed laboratory sections of introductory physical geography. Responsible for curriculum design, implementation, grading and evaluation of undergraduates.
- 1984 – 1986 Lecturer, San Francisco State University, Wildlands Research Institute Alaska Summer Program, McCarthy, Alaska. Taught natural science and environmental policy in Wrangell-St. Elias National Park to groups of 20 undergraduates. Aspects of basic geography, geology, biology, ecology, botany, hydrology, glaciology, meteorology, climatology and environmental planning were covered. Multi-day wilderness field trips on glaciers and down rivers integrated.

### **Research**

#### **(Previous professional activity continued)**

- 2007 – 2009 Co-Investigator and Grant Administrator, Minnesota Environment and Natural Resources Trust Fund as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR), "Improved River Quality Monitoring Using Airborne Remote Sensing."
- 2007 Guest Professor, Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany.
- 2004 – 2005 Fulbright Senior Scholar, Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany. "Rock Glacier Energy Balance."
- 2002 Teaching Scholar Fellow, Minnesota State University. Summer fellowship to author and edit a scholarly text, Mountains and People (University of California Press, release anticipated 2012).
- 1990 Visiting Scientist, Geological Research Division, Scripps Institution of Oceanography, University of California at San Diego, and Research Associate, Department of Geography, Arizona State University, Tempe, Arizona (Summer only). Performed field collection and laboratory analysis of earth materials used in surface exposure dating. Field measurement, geochemical mineral separation and gaseous vacuum extraction were used to isolate in-situ cosmogenically induced isotopes.
- 1990 Visiting Scientist, National Center for Atmospheric Research, Boulder, Colorado (Spring only). Studied global environmental change based on biotic control of climate.
- 1984 – 1986 Research Associate, Wrangell Mountain Center, McCarthy, Alaska (Summers only). Coordinated with other independent researchers working in Wrangell-St. Elias National Park assessing environmental resources and hazards within the park. Natural resource policy and planning guidelines were created focusing on water quality, mining, and biotic diversity.
- 1984 – 1985 Field Assistant, Departments of Geology and Environmental Planning, Luna B. Leopold, Supervisor, University of California at Berkeley (Springs only). Collected and analyzed survey and stream flow data from coastal marshes and urban and mountain streams. Used various types of flow meters, bed load and suspended load samplers. Mapped and surveyed stream channels with plane table and alidade, "dumpy" level and theodolite.

- 1985 Field Interviewer, Alaska Attitudes, Inc., Anchorage, Alaska (Spring only). Implemented a geographic differential cost-of-living survey for the State of Alaska. Traveled throughout rural Alaska gathering economic data from consumers and retailers.
- 1984 Intern, Alaska Center for the Environment, Anchorage, Alaska (Fall only). Assessed environmental feasibility and impact of commercial mining operations in the State of Alaska.
- 1980 Intern, United States Senator Alan Cranston, San Francisco, California (Fall only). Performed background research on policy issues for constituent case workers.

### Administrative

#### **(Previous professional activity continued)**

- 2013 – 2014 Special Assistant to the Provost, Minnesota State University.
- 2009 – 2011 Co-Chair, University Strategic Planning Committee. Developed University Seven-Year Strategic Plan, Minnesota State University.
- 2006 – 2009 American Association Geographers.
- 2007 – 2009 Chair of the Regional Councillors
- 2007 – 2009 Member, AAG Committee on College Geography and Careers
- 2007 – 2009 Member, AAG Committee on Committees
- 2006 – 2009 Councillor representing the West Lakes Region
- Elected to the Council by members in a seven state region
- Set policy and strategic directions for 11,000 member professional organization
- Evaluated performance of the Association's Executive Director
- 1998 – 2001 Founder and Founding Chair, Mountain Geography Specialty Group of the American Association Geographers.
- Recruited and coordinated founding committee and funds
- Wrote by-laws
- Organized special events and publications
- 1997 - 2014 Director of Earth Science Programs, Minnesota State University, Mankato
- Advocate for faculty and programs with the university administration
- Coordinate all curricular and funding issues for a program spread across six departments in two colleges
- Successfully coordinated NCATE/MnBOT accreditation and curriculum redesign
- Secured US Department of Education Funding to revitalize program
- Successfully coordinated MnBOT Professional Education Program Evaluation Report (PEPER) to continue approval of the Earth Science licensure program.
- 1999 – 2001 Project Director, Infusing Technology in the Earth Science Teaching Program at Minnesota State University.
- A project funded jointly by the *US Department of Education* and Minnesota State University with support from partnering K-12 schools in rural Minnesota.
- Recruited and built coalition of faculty from three colleges, Education; Social and Behavioral Sciences; and Science, Engineering and Technology; as well as faculty and administrators from school districts across southern Minnesota.
- Networked and coordinated with the respective Deans and school administrators to secure matching funds.
- The project has built new bridges between the colleges as well as between the University and nearby school districts with true multi- and cross-disciplinary cooperation.

- 1994 – 1997 International Student Advisor/Graduate Associate, International Student Office, Arizona State University, Tempe, Arizona.
- Managed all aspects of international student administration including:
- Interacting with senior administrators, faculty and staff
  - Designing and implementing a data base for 4,000 international students
  - Assisting in conference planning
  - Organizing orientation sessions for new students
  - Serving as liaison to the United States Immigration and Naturalization Service, local law enforcement agencies and immigration attorneys
  - Advising international students and processing non-immigrant visa documents
  - Supervising student workers
  - Programming of cultural diversity awareness and educational programs bringing together African-American and Native-American students with international students

### **Consulting**

#### **(Previous professional activity continued)**

- 2011 – 2012 "Expert Geomorphologist." McLeod County Archeological Survey, for Bolton & Menk, Inc.
- 2006, 2005, 2002, 2001, 2000 United States Foreign Service Exam Test Item Author for "Geography" and "Education". For: American College Testing Service (ACT), Iowa.
- 2003 The Mountain Institute, Washington, D.C. Designed and taught K-12 faculty enrichment seminars on "Exploring Our Living Mountain Laboratory" a program funded by the National Geographic Society Education Foundation Grosvenor Grant Program.
- 2003 "McGraw-Hill Earth Science Symposium" participant.
- 2002 – 2007 Advisory Board Member, Mountain Studies Institute, Silverton, Colorado.  
<http://www.mountainstudies.org/AboutMSI/Organization.htm>.
- 2002 – present Physical Geography Advisory Panel Member, McGraw-Hill Publishers.
- 2002 "McGraw-Hill Physical Geography Symposium" participant.
- 2000 "Focus Group on Geographic Publishing." For: John Wiley & Sons, Inc. At: Pittsburgh, Pennsylvania. Critiqued and advised the publisher on issues related to geographic publishing.
- 1996 – 1997 "Expert Scientist." For: Educational Management Group, Scottsdale, Arizona. Appeared as expert scientist on live and interactive educational television programs broadcast via satellite to primary and secondary schools. Advised staff on program content and accuracy. Provided expert scientist interactive conversation on World Wide Web chats. Located other experts from the academic community. Subjects broadcast: "Acid Rain," "Greenhouse Effect," "Ozone Depletion," "Storms & Weather," "Water Cycle," "Weather Elements," "Language of the Weather Person," "Topographic vs. Relief Maps," "Plate Tectonics," "Natural Disasters," "Volcanoes," "The Geysers and Hot Springs of Yellowstone," "Uses of Rock," "Weathering," "National Parks," "The Yellowstone Fire," "Dependence on Geography."
- 1994 – 1996 "Reviewer and Consultant." Outburst Floods of Hidden Creek Lake and the Kennicott Glacier, Alaska, Wrangell-St. Elias National Park, Alaska. Critiqued research plans, provided feedback on research results, and reviewed manuscripts of United States Geological Survey publications.
- 1992 – 1995 "Geographical Consultant." For: Raisz Landform Maps/GEOPLUS, Danvers, Massachusetts. Advised publisher on issues related to physiographic maps.
- 1992 "Streamflow hazards and mitigation at the Schichtel residence, Crested Butte, Colorado." For: Schichtel and Avery. At: Crested Butte, Colorado.
- 1990 "In-Situ Cosmogenic Isotope Field Assessment for Death Valley, California." For: Department of Geography, Arizona State University, Tempe, Arizona. At: Death Valley National Monument and Vicinity, California.



### **PROFESSIONAL HONORS & AWARDS**

- 2018 Barry Bishop Distinguished Career Award, Mountain Geography Specialty Group, American Association of Geographers.
- 2014 Certificate of Special Recognition as an MSU Author, Minnesota State University.
- 2012 – 2013 Sabbatical Leave, Minnesota State University.
- 2009 Honors for "...exceptional service and dedication to the needs of the Association..." of American Geographers as a Council Member from 2006 to 2009.
- 2008 'Global Citizen Award' for making a "...major contribution to globalization efforts at..." Minnesota State University.  
  
'Super Advisor' Award "in Honor of Being Repeatedly Nominated for Advisor Recognition for Ten Years," College of Social & Behavioral Science, Minnesota State University.
- 2004 – 2005 Fulbright Senior Scholar, Germany.  
  
Sabbatical Leave, Minnesota State University.
- 2003 – present Who's Who in Science and Engineering, Biographee.  
  
Who's Who in the World, Biographee.
- 2002 – present Who's Who in America, Biographee.
- 2002 'Presidential Teaching Scholar Fellowship' for a "...significant project in teaching and scholarship which promotes learning..." Minnesota State University.
- 2000 – present Steering Committee of the International Geographical Union Commission on *Mountain Response to Global Change*. Appointed.
- 1999 'J. Warren Nystrom' Award for The Most Outstanding Research Based Upon a Recent Dissertation in Geography, American Association Geographers.
- 2012, '08, '07, '06, '05, '04, '03, '02, '01, '00 Excellence in Student Advising Award Nominee, College of Social & Behavioral Science, Minnesota State University. (Nominated every year since inception in 1999. Nominations not accepted '09 through '11 due to University fiscal limitations)
- 1999 Excellence in Student Advising Award, College of Social & Behavioral Science, Minnesota State University. "Viewed as a lifetime achievement, may be awarded only once."
- 1998 'Frontier Forum' Distinguished Lectureship for Outstanding Research, College of Social & Behavioral Science, Minnesota State University.  
  
'Highlights of Teaching' Excellence in Teaching Award, College of Social & Behavioral Science, Minnesota State University.
- 1997 Elected to membership, Gamma Theta Upsilon, The International Geographical Honor Society.
- 1995 Martin Luther King Fellow, Arizona State University.  
  
'Sparky' Award, for "Assuming a Leadership Role and Providing Outstanding Service to International Students," Arizona State University.
- 1993 Graduate Student Paper Competition Winner, Great Plains-Rocky Mountain Division, American Association Geographers.

**GRANTS & SPONSORED PROJECTS**

(Sole awardee unless indicated)

2018	Minnesota State University, Global Education Advisory Council and Office of the Provost for: Colorado Field Studies	\$6022
2017	Minnesota State University, Global Education Advisory Council and Office of the Provost for: Colorado Field Studies	\$6022
2016	Minnesota State University, Global Education Advisory Council and Office of the Provost for: Colorado Field Studies.	\$6022
2015	Minnesota State University, College of Social and Behavioral Sciences, Professional Development “Special Funding” for: Professional travel to attend and present at the Annual Meeting of the American Association Geographers.	\$1000
2014	Minnesota State University, College of Social and Behavioral Sciences, Professional Development “Special Funding” for: Field Studies.	\$2538
	Minnesota State University, College of Social and Behavioral Sciences, Professional Development “Special Funding” for: Professional travel to attend and present at the Annual Meeting of the American Association Geographers.	\$1000
2013	Minnesota State University, College of Social and Behavioral Sciences, Professional Development “Special Funding” for: Publication Charges.	\$327
	Academy of Motion Picture Arts and Sciences, Visiting Artists Grant, “Mr. Chris Tashima, MSU Diversity/International Education Week Keynote Speaker.”	\$1000
	Minnesota State University Presidential Strategic Priorities Grant, “Global Solutions for an Emerging Doctoral Institution: Enhancing a Culture of Outreach on our Campus of the Future through the Minnesota Modeling & Simulation Center.” Donald Friend – Project Director, Tony Filipovitch (Urban Studies) – Co-Investigator.	<del>\$45,769</del> (Not Funded)
2012	Minnesota Historical Society and the Oversight Board of the Statewide Survey of Historical and Archaeological Sites, “LiDAR Mapping of Minnesota Burial Mound Sites.” Dale Maul – Principal Investigator, Alison Hruby – Co-Principal Investigator, Gina Aulwes & Austin Jenkins – Researchers (Bolton & Menk); Donald Friend, Cynthia Miller, Rama Mohapatra, Fei Yuan – Co-Investigators (MSU).	<del>\$74,602</del> (Not funded)
	Minnesota State University, Leadership Development Opportunity Grant.	\$10,733
	Minnesota State University, One-Time Non-Base Investment Award, “Culturing Applied Problem Solvers for Today’s Workplace – Launch of Professional Science Master’s (PSM) Degree Programs.” Shannon Fisher – Project Director; Donald Friend, Bruce Jones, Penny Knoblich, Seven Losh, Christoph Velstos and Brian Wasserman – Co-Applicants.	\$242,000
	Minnesota State University, One-Time Non-Base Investment Award, “Enrollment Management Recruitment and Retention Data Analysis.” David P. Jones – Project Director; Nicole Dose, Donald Friend and Brian Jones – Co-Applicants.	\$96,000
	Minnesota State University, One-Time Non-Base Investment Award, “Armstrong Hall and Morris Hall: Renovations and Innovations.” Kimberly Greer – Project Director; Jeffrey Bumgarner, Donald Friend, Miriam Porter and Matt Loayza – Co-Applicants.	\$582,469

2011	Minnesota Historical Society, "Investigating Poorly Known Areas of Minnesota – An Archaeological Survey of McLeod County." Dale Maul – Principal Investigator, Austin Jenkins and Gina Aulwes – Field Investigators (Bolton & Menk); Donald Friend, Cynthia Miller, Forrest Wilkerson, Ginger Schmid – Co-Investigators (MSU).	\$69,780
	Minnesota Historical Society, "Investigating Poorly Known Areas of Minnesota – An Archaeological Survey of Steele County." Dale Maul – Principal Investigator, Austin Jenkins and Gina Aulwes – Field Investigators (Bolton & Menk); Donald Friend, Cynthia Miller, Forrest Wilkerson, Ginger Schmid – Co-Investigators (MSU).	<del>\$69,780</del> (Not funded)
	Minnesota State University Presidential Strategic Priorities Grant, "Modeling & Simulation Graduate Curriculum Design." Donald Friend – Project Director, Tony Filipovitch (Urban Studies) – Co-Principal Investigator.	\$18,430
2010	Minnesota State University Presidential Strategic Priorities Grant, "Global Solutions for an Emerging Doctoral Institution: Enhancing a Culture of Research at Minnesota State Mankato through a Center of Modeling & Simulation on our Campus of the Future." Donald Friend – Project Director, Annie LoPrieno (Research & Sponsored Programs) and Tony Filipovitch (Urban Studies) – Co-Investigators.	\$50,770
2009	Minnesota State University External Funding Grant, "Minnesota State Modeling and Simulation Center." Donald Friend – Project Director, Tony Filipovitch (Urban Studies) – Co-Investigator.	\$39,677
2008	Minnesota Environment and Natural Resources Trust Fund as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR), "Comprehensive Contaminant Assessment in Minnesota Watersheds." Bryce Hoppie (Geology) – Project Director; Fei Yuan and Donald Friend (Geography) – Co-Investigators.	<del>\$190,000</del> (Not funded)
2007	Minnesota Environment and Natural Resources Trust Fund as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR), "Improved River Quality Monitoring Using Airborne Remote Sensing." Fei Yuan (Geography) – Project Director; Donald Friend, Ginger Schmid and Forrest Wilkerson (Geography), and Bryce Hoppie (Geology) – Co-Investigators.	\$159,000
	Minnesota State University, Technology Improvement Grant, "GeoWall Initiative for Development and Deployment (GIDDe) at MSU Mankato." Daniel Swart (Chemistry) – Project Director; Donald Friend (Geography), Bryce Hoppie and Steven Losh (Geology), and Ned Williams (Biology) – Co-Directors.	\$35,255
	Minnesota State University, College of Social and Behavioral Sciences Reassigned Time Special Funding for the Spring 2008 Semester.	\$3,300
2006	Minnesota State University, College of Social and Behavioral Sciences, Professional Development "Special Funding" to attend American Association Geographers Healthy Departments Workshop held at the University of Georgia.	\$1000
	Minnesota State University, International Programs Office International Program Development Grant – Type I, "International Field-Based Courses Held Jointly with Students and Faculty from the Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany."	\$3,000

2004	J. William Fulbright Board of Foreign Scholars and the German-American Fulbright Commission, Fulbright Senior Scholarship for Lecturing and Research in Germany, Award #4283. Lecturing: "Conservation and Sustainable Development in Mountains;" Research: "Rock Glacier Energy Balance." Academic Year 2004 – 2005 in Residence at the Institut für Geographie, Friedrich-Alexander Universität Erlangen-Nürnberg, Germany.	\$50,000
	National Science Foundation – American Association Geographers, Senior Scholar Award to present at the 30 <sup>th</sup> International Geographical Congress, Glasgow, Scotland. <i>Fewer than 30 awarded nationwide.</i>	\$1,500
	Minnesota State University, 'Faculty Improvement Grant' to attend the 30 <sup>th</sup> International Geographical Congress, Glasgow, Scotland.	\$2,500
	National Science Foundation, "Contemporary Landscape Change in Alpine Ecosystems Surrounding Mt. Everest." Alton C. Byers (The Mountain Institute) – Project Director and Principal Investigator; Senior Associates: Donald A. Friend (Minnesota State University), Stanley F. Stevens (U. of Massachusetts), Douglas M. Muconey (USGS), Ang R. Sherpa & Lhakpa N. Sherpa (The Mountain Institute).	<del>\$281,095</del> (Not funded)
	Minnesota State Colleges and Universities Center for Teaching and Learning, "Enhanced Field-Based, Hands-On, Learning-by-Doing in the Multidisciplinary Earth Science Program at Minnesota State University."	<del>\$15,000</del> (Not funded)
2003	Minnesota State University, College of Social and Behavioral Sciences Research Release Time Grant for the Spring 2004 Semester.	\$11,559
	National Science Foundation, "Contemporary Landscape Change in Alpine Ecosystems Surrounding Mt. Everest." Donald A. Friend – Project Director and Co-Principal Investigator, and Alton C. Byers (The Mountain Institute) – Co-Principal Investigator.	<del>\$274,787</del> (Not funded)
2002	Minnesota State University, College of Social and Behavioral Sciences Research Grant, "Pilot Research on the Energy Balance of a Rock Glacier."	\$500
	National Science Foundation, "Contemporary Landscape Change in Alpine Ecosystems on Three Sides of Everest." Donald A. Friend – Project Director and Co-Principal Investigator, and Alton C. Byers (The Mountain Institute) – Co-Principal Investigator.	<del>\$220,625</del> (Not funded)
	National Geographic Society, Committee for Research and Exploration Grant, "Human Dimensions of Glacial Recession in the Mt. Everest Region, Nepal." Alton Byers, The Mountain Institute, Project Director and Principal Investigator; Donald Friend, Minnesota State University, and Leland Dexter, Northern Arizona University, Co-Principal Investigators.	<del>\$19,650</del> (Not funded)
	Minnesota State University, Faculty Research Grant, "Pilot Research on the Energy Balance of a Rock Glacier."	\$4,000
	Minnesota State University, College of Social and Behavioral Sciences Research Release Time Grant for the Spring 2003 Semester.	\$11,559
	Minnesota State University, 'Teaching Scholar Fellowship' to "provide support for faculty in their commitments to learning..." Proposed project: Author and Edit a Scholarly Text Entitled: <u>Mountains and People</u> .	\$6,300
	Minnesota State University, 'Wireless Initiative' Grant to infuse wireless technology in GIS/GPS teaching and research. Member of Departmental Committee that wrote proposal.	\$7,200
2001	Minnesota State University, 'Learning by Doing' Grant to enhance 'hands-on' experiences for students.	\$1,400

2000	Minnesota State University, College of Social and Behavioral Sciences Research Release Time Grant for the 2001-2002 Academic Year.	\$6,122
	Minnesota State University, College of Social and Behavioral Sciences Research Grant, "Dam Removal in the Upper Midwest Using Real-Time Integration of GIS and GPS Field Mapping."	\$500
	National Science Foundation – American Association Geographers, Junior Scholar Award to present at the 29 <sup>th</sup> International Geographical Congress, Seoul, Korea. <i>Fewer than 30 awarded nationwide.</i>	\$1,750
	Minnesota State University, 'Faculty Improvement Grant' to attend a workshop sponsored by the International Geographical Union Commission on Mountain Geocology and Sustainable Development entitled, "Diversity and Sustainable Development of Mountain Areas – Concepts and Case Studies" held in Seoul, Korea at the 29 <sup>th</sup> International Geographical Congress.	\$1,164
	US Department of Education, "Implementing Systemic Program Improvements in the Mathematics and Science Teaching Program at Minnesota State University." Donald A. Friend (Geography) and Bryce Hoppie (Geology) – Project Co-Directors; Ronald Browne, Jr. and Scott Page (Curriculum & Instruction) – Co-Investigators.	\$2,001,774 (Not funded)
1999	US Department of Education, "Capacity Building Strategies for Infusing Technology in the Earth Science Teaching Program at Minnesota State University, Mankato." Donald A. Friend – Project Director and Co- Investigator; Bryce Hoppie (Geology), Ronald Browne, Jr. and Scott Page (Curriculum & Instruction) – Co-Investigators. Award #P342A990456.	\$112,724
	City of Janesville, Minnesota, "Municipal Geographic Information System Development."	\$21,600
	Minnesota State University, College of Social and Behavioral Sciences Research Release Time Grant for the 2000-2001 Academic Year.	\$6,122
	Minnesota State University, College of Social and Behavioral Sciences Research Release Time Grant for the 1999-2000 Academic Year.	\$5,766
	Minnesota State University, College of Social and Behavioral Sciences Research Grant, "GIS Analysis of Desert Slopes."	\$500
	EMC Paradigm Press, Manuscript Development Grant for <i>Introduction to Physical Geography Exercises</i> (ISBN 1-58175-047-1). Donald A. Friend and Martin Mitchell, Co-Awardees.	\$1,000
	Minnesota State University, 'Learning Fund' Grant to offer faculty workshop, "Effective Grading: A Tool for Learning and Assessment." Did not write proposal, provided critical review before submission as member and Chair of committee that submitted proposal.	\$2,000
1998	State of Minnesota, Department of Natural Resources, "Wildlife Management Geographic Information System Development."	\$11,272
	Minnesota State University, College of Social and Behavioral Sciences Research Grant, "Measuring Snow-Water Equivalence and Improving Flood Prediction in south-central Minnesota."	\$500
	Minnesota State University, College of Social and Behavioral Sciences Research Grant, "Improving Flood Prediction in Snow and Glacial Environments."	\$500

1997	Minnesota State University, University Faculty Research Grant, "Measuring Snow-Water Equivalence and Improving Flood Prediction in south-central Minnesota."	\$3,400
1996	Arizona-Nevada Academy of Science, Grant-In-Aid, " <sup>36</sup> Cl Surface Exposure Ages Compared to K-Ar Ages: A Test in Boulder Covered Desert Slope Development, Coso Range, California."	\$240
	Geological Society of America, Research Grant #5821-96, " <sup>36</sup> Cl Surface Exposure Ages Compared to K-Ar Ages: A Test in Boulder Covered Desert Slope Development, Coso Range, California."	\$480
	PRIME Lab Funded by NSF at Purdue University, Cosmogenic <sup>36</sup> Cl Accelerator Mass Spectrometer "Seed" Analyses.	\$3,500
1995	NAFSA: Association of International Educators, Travel Grant.	\$250
	NAFSA: Association of International Educators, Region II, Travel Grant.	\$250
	Arizona State University, Graduate School Travel Grant.	\$450
1994	Arizona State University, Graduate School Travel Grant.	\$450
1992	National Science Foundation – American Association Geographers, Junior Scholar Award to present at the 27 <sup>th</sup> International Geographical Congress, Washington, DC. <i>Fewer than 30 awarded nationwide.</i>	\$1,500
	Society of Sigma Xi, Arizona State University Chapter, Travel Award.	\$250
1990 – 1997	Arizona State University, University Tuition Scholarships.	\$6,000/yr
1987	University of Colorado at Boulder, Graduate School Travel Award.	\$500
1986	Wrangell Mountains Center, Research Fellowship, McCarthy, Alaska.	\$2,450
1985 – 1986	University of Colorado at Boulder, University Fellowships.	\$4,000/yr

## **SCHOLARLY PUBLICATIONS**

Articles, Chapters, Reviews (\* Refereed)

- 29) 2015 \* Larson, Phillip H., Ronald I. Dorn, Douglas J. Faulkner and **Donald A. Friend**. "Toe-Cut Terraces: A Review and Proposed Criteria to Differentiate from Traditional Fluvial Terraces." Progress in Physical Geography v. 39(4) 417-439. DOI: 10.1177/0309133315582045.
- 28) 2013 \* Yuan, Fei, Bryce Hoppie, **Donald Friend** and Namyong Lee. "Blue Earth River Quality Monitoring Using ARCHER Hyperspectral Data and Field Measurements." Geocarto International, v.28(8):683-706. DOI:10.1080/10106049.2012.726657.
- 27) 2007 Yuan, Fei and **Donald A. Friend**. "GISc Certificate Program at Minnesota State University, Mankato." MN GIS/LIS NEWS: The Newsletter of the Minnesota GIS/LIS Consortium, Winter 2007-8, Issue 51.  
<http://www.mngislis.org/displaycommon.cfm?an=1&subarticlenbr=299> (accessed 12-12-07).
- 26) \* Brenning, A., M. Grasser and **D. A. Friend**. "Statistical Estimation and Generalized Additive Modeling of Rock Glacier distribution in the San Juan Mountains, Colorado, United States." Journal of Geophysical Research, v.112, F02S15. DOI: 10.1029/2006JF000528.
- 25) \* Fickert, Thomas, **Donald Friend**, Friederike Grüniger, Bruce Molnia and Michael Richter. "Did Debris-Covered Glaciers Serve as Pleistocene Refugia for Plants? A New Hypothesis Derived from Observations of Recent Plant Growth on Glacier Surfaces." Arctic, Antarctic and Alpine Research, v.39(2):245-257. DOI: 10.1657/1523-0430(2007)39[245:DDGSAP]2.0.CO;2.
- 24) 2005 \* **Friend, Donald A.**, "Surface Macrofabric of Boulder Dominated Desert Mountain Slopes, California, USA." Journal of Mountain Science, v.2(3):181-192. DOI: 10.1007/BF02973191. ISSN 1672-6316 (Print) 1993-0321 (Online).
- 23) **Friend, Donald A.**, "Rock Glaciers and Climate Change: Some of the Effects of Higher Atmospheric Temperature in Mountains." The Funnel: News Magazine of the German-American Fulbright Commission, v.41(2):26.
- 22) 2004 **Friend, Donald A.**, "Foreword: An Environmental and Geographic Perspective." In: Bishop, Michael P., and John F. Shroder, Jr., editors, Geographic Information Science and Mountain Geomorphology. Springer-Praxis, Berlin, Heidelberg, New York. Pp. xxiii-xxiv. ISBN: 3-540-42640-X
- 21) 2003 \* **Friend, D. A.** and Williams M.W. "Water Quality as an input to Development Policy." In: Taylor, Leslie and Anne Ryall, editors, Sustainable Mountain Communities: Environmental Sustainability for Mountain Areas Impacted by Tourism and Amenity Migration, The Banff Centre, Canada. pp. 93-97. ISBN 1-984773-07-1.
- 20) \* **Friend, Donald A.**, "Mountain Geography." In: Gaile, Gary L. and Cort J. Wilmott, editors, Geography in America at the Dawn of the 21<sup>st</sup> Century. Oxford University Press, New York. Chapter 6, pp.72-80. ISBN 0-19-823392-2.
- 19) 2002 \* **Friend, Donald A.**, (Guest Editor), "Special Issue: Mountain Geography." Geographical Review, v.92(2):155-306.
- 18) **Friend, Donald A.**, Review of: Mountain Environments and Communities. By Don Funnell and Romola Parish. London and New York, Routledge, 2001. Geographical Review, v.92(4):612-613.
- 17) **Friend, Donald A.**, "Mountain Geography in 2002: The International Year of Mountains." Geographical Review, v.92(2)iii-vi.

- 16) **Friend, Donald A.**, "Regulating Development Through Water Quality Standards, Telluride, Colorado, USA." Case Study for Thematic Paper A-2, "National Policies and Institutions for Sustainable Mountain Development", of the United Nations Bishkek Global Mountain Summit, the final global event of the *International Year of Mountains 2002* (<http://www.mtnforum.org/bgms/papera2.htm>, or <http://www.mtnforum.org/emaildiscuss/discuss02/050202474.htm>).
- 15) 2000 \* **Friend, Donald A.**, Fred M. Phillips, Sean W. Campbell, Tanzhuo Liu, and Pankaj Sharma. "Evolution of Desert Colluvial Boulder Slopes." *Geomorphology*, v.36(1-2):19-45. *Impact factor 1.508 in 2005*.
- 14) \* **Friend, Donald A.**, "Revisiting William Morris Davis and Walther Penck to Propose a General Model of Slope "Evolution" in Deserts." *The Professional Geographer*, v.52(2):164-178.
- 13) 1999 \* Dobson, Jerome E., Stanley W. Trimble, Jeffrey R. Dobson, and **Donald A. Friend**, "In Memoriam, Kirk H. Stone, 1914-1997." *Annals of the Association of American Geographers*, v.89(3):535-548.
- 12) **Friend, Donald A.**, "Mountain Chronicle." *Mountain Research and Development*, v.19(2):167-168.
- 11) **Friend, Donald A.**, "Announcing the Formation of a Mountain Geography Specialty Group." *AAG Newsletter*, v.34(3):7-10.
- 10) 1998 **Friend, Donald A.**, "Geography According to Mel Marcus." In: Miriam Lo, Carol Gersmehl and Martin Mitchell. *Locations, Pattern and Regions: An Introduction to Geography*. WCB/McGraw Hill Custom Publishing, Dubuque, Iowa. Funded by US Department of Education FIPSE Grant #P116B40440-95 and National Science Foundation DUE Grants #9555091 and 9751308.
- 9) **Friend, Donald A.**, "Death Valley." In: Miriam Lo, Carol Gersmehl and Martin Mitchell. *Locations, Pattern and Regions: An Introduction to Geography*. WCB/McGraw Hill Custom Publishing, Dubuque, Iowa. Funded by US Department of Education FIPSE Grant #P116B40440-95 and National Science Foundation DUE Grants #9555091 and 9751308.
- 8) **Friend, Donald A.**, "Three Mountain Environments: The Wrangell's, The Colorado Rockies, Mt. Kenya." In: Miriam Lo, Carol Gersmehl and Martin Mitchell. *Locations, Pattern and Regions: An Introduction to Geography*. WCB/McGraw Hill Custom Publishing, Dubuque, Iowa. Funded by US Department of Education FIPSE Grant #P116B40440-95 and National Science Foundation DUE Grants #9555091 and 9751308.
- 7) **Friend, Donald A.**, "Ice on the Equator: From the Beach to Glaciers in East Africa." In: Miriam Lo, Carol Gersmehl and Martin Mitchell. *Locations, Pattern and Regions: An Introduction to Geography*. WCB/McGraw Hill Custom Publishing, Dubuque, Iowa. Funded by US Department of Education FIPSE Grant #P116B40440-95 and National Science Foundation DUE Grants #9555091 and 9751308.
- 6) 1997 **Friend, Donald A.**, "On Geography, Town and Global Awareness." *The Townsman: The Alumni Magazine and Annual Report of Town School for Boys*, San Francisco (Winter 1996-1997 issue).
- 5) 1996 **Friend, Donald A.**, "Religious Observances, Practices Accommodation." *ASU Insight* (August 30 issue).
- 4) **Friend, Donald A.**, "Reflections on 50 Years of Fulbright Exchanges and Future Possibilities: A Mini Plenary Featuring Harriet Mayor Fulbright." *Wide Open Spaces: NAESA: Association of International Educators Region II Newsletter* (Summer issue).
- 3) 1993 **Friend, Donald A.**, "Graduate Student Employees Strike For Recognition At Berkeley." *Arizona State University Graduate Voice*, v.2(5):2.



- 2) 1984 **Friend, Donald A.**, "Rainfall to Runoff Rates, Strawberry Creek, Berkeley, California." University of California at Berkeley, Water Resources Archives.
- 1) **Friend, Donald A.**, "Gauging and Precipitation Stations of the Bay Area." University of California at Berkeley, Water Resources Archives.

### **BOOKS**

- 2) 2013 Price, Martin F., Alton C. Byers, **Donald A. Friend**, Thomas Kohler, and Larry W. Price (Editors). Mountain Geography: Physical and Human Dimensions. University of California Press, Berkeley. ISBN 978-0-520-25431-2.
- 1) 2000 Mitchell, Martin D., **Donald A. Friend.**, Introductory Physical Geography [Laboratory Manual]. EMC Paradigm Press, St. Paul, Minnesota. ISBN 1-58175-047-1.

### **PROFESSIONAL REPORTS**

- 22) 2017 2016-2017 Program Review and Self-Study of the Department of Geography Including its Programs in Geography, Geographic Information Science, Earth Science, and Modeling and Simulation. Minnesota State University.
- 21) 2012 Final Report, Prepared for: The Minnesota Historical Society and the Oversight Board of the Statewide Survey of Historical and Archaeological Sites. "Investigating Poorly Known Areas of Minnesota: An Archaeological Survey of McLeod County." Dale E. Maul, Gina Aulwes, Alison Hruby, Austin Jenkins, Cynthia Miller, Donald Friend, Rama Mohapatra, Ginger Schmid and Forrest Wilkerson.
- 20) 2010 Strategic Plan, Minnesota State University. Co-Chair - with University Provost, of the task force that produced the plan.
- 19) 2010 External Evaluation, Department of Geography, University of Wisconsin, Oshkosh.
- 18) 2009 Final Report, Minnesota Environment and Natural Resources Trust Fund as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR), "Improved River Quality Monitoring Using Airborne Remote Sensing." Fei Yuan – Project Director; Donald Friend and Bryce Hoppie – Co-Investigators.
- 17) 2017, '16  
'15, '12,  
'11, '10,  
'09, '08,  
'07, '06 Annual Reports, Department of Geography, Minnesota State University.
- 12) 2006 Comprehensive Program Review, Department of Geography and Earth Science Program, Minnesota State University.
- 11) Minnesota Board of Teaching (MnBOT) Professional Education Program Evaluation Report (PEPER) to continue approval of the *Earth Science* teacher licensure program at Minnesota State University. **Accepted and approved by MnBOT with no revisions.** Co-authored with Dr. Bryce Hoppie, Minnesota State University.
- 10) 2005, '04  
9) U.S. Fulbright Scholar Final and Interim Reports. Submitted to the Council of International Exchange of Scholars (CIES).
- 7) 2005 Final Report of the Task Force on "Academic Excellence in Undergraduate Studies, a Report to the University Community," at Minnesota State University. One of 29 task force members and co-authors.
- 6) 2004, Status of *GEOG 101 – Introduction to Physical Geography* as part of General Education Category 3  
5) 1999 (Natural Science) at Minnesota State University.

- 4) 2001 Curricular redesign of the *Science Teaching: Earth Science* major at Minnesota State University to meet revised MnBOT content standards. Submitted to MnBOT, **accepted and approved with no revisions**. Co-authored with Dr. Bryce Hoppie, Minnesota State University.
- 3) Curricular redesign of the *Science Teaching: Earth Science* major at Minnesota State University to meet revised National Council for Accreditation of Teacher Education (NCATE) content standards. Submitted to NCATE, **accepted and approved with no revisions**. Co-authored with Dr. Bryce Hoppie, Minnesota State University.
- 2) 2000 Curricular redesign of the *Science Teaching: Earth Science* major at Minnesota State University to meet revised MnBOT and NCATE content standards. Submitted to Minnesota State Colleges and Universities (MnSCU), **accepted and approved by with no revisions**. Co-authored with Dr. Bryce Hoppie, Minnesota State University.
- 1) Final report on "Capacity Building Strategies for Infusing Technology in the Earth Science Teaching Program at Minnesota State University," a US Department of Education Preparing Tomorrow's Teachers to use Technology Capacity Building Grant. Co-authored with Dr. Bryce Hoppie, Minnesota State University.

### **PROFESSIONAL PRESENTATIONS**

Sole Author Unless Indicated (\* Refereed, † Abstract Unpublished)

- 53) 2018 Showcasing the Diversity of Mountain Research. Abstracts, American Association of Geographers Annual Meeting, New Orleans, LA. <https://aag.secure-abstracts.com/AAG%20Annual%20Meeting%202018/sessions-gallery/11814> (Accessed 19 April 2018).
- 52) 2017 Fickert, Thomas, Donald Friend, Friederike Grüniger, Bruce Molnia, and Michael Richter. Plant growth on debris covered glacier surfaces - ecology, vegetation patterns and implications for debris mantled glaciers serving as cold and warm stage plant refugia in the past. Geophysical Research Abstracts, Vol. 19, EGU2017-2628, European Geophysical Union General Assembly, Vienna, Austria. <http://meetingorganizer.copernicus.org/EGU2017/EGU2017-2628.pdf> .
- 51) 2016 "Impact of a Fulbright Senior Scholarship Ten Years On." Abstracts, American Association of Geographers Annual Meeting, Session #1630, San Francisco, CA. Accessed 7 April 2016: <http://meridian.aag.org/callforpapers/program/SessionDetail.cfm?SessionID=24528>.
- 50) 2014 Sarmiento, Fausto O., and Richard A. Marston (organizers); Donald A. Friend, Carol Harden, Axel Borsdorf and Martin Price (panelists). "Mountain Geography: Physical and Human Dimensions." Abstracts, Association of American Geographers Annual Meeting, Session #3259, Tampa, Florida.
- 49) 2013 Mohapatra, Rama, Austin Jenkins, Cynthia Miller, Alison Hruby, Gina Aulwes, Ginger Schmid, Forrest Wilkerson, Donald Friend and Dale E. Maul. "Improved Archeological Site Identification Using LIDAR: An Example from McLeod County, Minnesota." Program and Abstracts, Council for Minnesota Archaeology 2013 Conference, Page 10, Inver Grove Heights, Minnesota.
- 48) 2012 "Nuclear Waste Disposal in the USA and Around the World: What's in Everyone's Backyard?" 43<sup>rd</sup> Annual South Dakota Geography Convention, South Dakota State University, Brookings, South Dakota.
- 47) Miller, Cynthia A. and Donald A. Friend. "Using ERDAS IMAGINE's® Digital Stereoscope to Revive the Art of Historical Air Photo Stereo Interpretation." Abstracts, Association of American Geographers Annual Meeting, Page 181, New York, New York.
- 46) Mohapatra, Rama, Donald A. Friend and Bryan Hoffman. "ArcGIS Desktop Virtualization: Anywhere Anytime GIS at Minnesota State University, Mankato." Abstracts, Association of American Geographers Annual Meeting, Page 97, New York, New York.

- 45) Foote, Kenneth (Organizer); Susy Ziegler, Donald Friend, Eugene Parker, Jeffrey Underwood, Richard Sambrook, Clifton Dixon (Panelists). "Strategies for Sustaining Geography in Merged, Blended, and Multidisciplinary Departments: Part 1, Geography and the Geosciences." Abstracts, Association of American Geographers Annual Meeting, Page 208, New York, New York.
- 44) 2011 Mohapatra, Rama, Donald A. Friend and Bryan Hoffman. "Anywhere Anytime GIS at Minnesota State University, Mankato." Abstracts, Minnesota GIS/LIS Consortium 21<sup>st</sup> Annual Conference, St. Cloud, Minnesota.
- 43) Friend, Donald A. and Cynthia A. Miller. "Cultural Geography in a Pre-Nursing Professional Degree Program - A 'Win-Win' Prospect." Abstracts, Association of American Geographers Annual Meeting, Page 272, Seattle, Washington.
- 42) 2010 Yuan, Fei, Bryce Hoppie and Donald Friend. "Improved River Water Quality Monitoring Using ARCHER Hyperspectral Sensing and GIS Analysis." Abstracts, Association of American Geographers Annual Meeting, Page 902, Washington, District of Columbia.
- 41) Muenks, Shawn, Nick Carbone and Donald A. Friend. "Missouri Department of Natural Resources 2005 – 2009 Project to Develop Applications of Civil Air Patrol Hyperspectral Imagery for Characterizing Contamination and Monitoring Remediation." Abstracts, Association of American Geographers Annual Meeting, Page 573, Washington, District of Columbia.  
[http://communicate.aag.org/eseries/aag\\_org/program/AbstractDetail.cfm?AbstractID=31677](http://communicate.aag.org/eseries/aag_org/program/AbstractDetail.cfm?AbstractID=31677) (accessed 16 April 2010).
- 40) 2009 Monk, Janice and Beth Schlemper (organizers); Burrell E. Montz, Donald A. Friend, Trudy Suchan, Jeff Colby, Jeff Young and Patrick L Lawrence (panelists). "Preparing Masters Students for Careers Outside the University." Abstracts, Association of American Geographers Annual Meeting, Page 685, Las Vegas, Nevada.  
[http://communicate.aag.org/eseries/aag\\_org/program/SessionDetail.cfm?SessionID=7572](http://communicate.aag.org/eseries/aag_org/program/SessionDetail.cfm?SessionID=7572) (accessed 30 March 2009).
- 39) Yuan, Fei, Bryce W. Hoppie, Donald A. Friend and Margarette M. Elliot. "River Quality Mapping Using Hyperspectral Sensing and Field Methods, Blue Earth River, Minnesota, USA." Abstracts, Association of American Geographers Annual Meeting, Page 685, Las Vegas, Nevada.
- 38) 2008 Geoffrey J. Martin, Maynard Weston Dow, Donald A. Friend and Donald C. Dahmann (Discussants). "Archival Films in Honor of Geoffrey J. Martin, Maynard Weston Dow & Nancy Freeman Dow [1930-2005]: Geographers on Film II: Several Notables." Abstracts, Association of American Geographers Annual Meeting, Boston, Massachusetts.  
[http://communicate.aag.org/eseries/aag\\_org/public/sessionConfirmation.cfm?sessionID=6318&sessionType=paper](http://communicate.aag.org/eseries/aag_org/public/sessionConfirmation.cfm?sessionID=6318&sessionType=paper) (accessed 29 January 2008).
- 37) 2007 Brenning, Alexander, Michael Grasser and Donald A. Friend. "Quantifying the Significance and Modeling the Distribution of Rock Glaciers in the San Juan Mountains, Colorado, USA." Abstracts, Association of American Geographers Annual Meeting, Pages 73-74, San Francisco, California.
- 36) 2006 Friend, Donald A., Thomas Fickert, Friederike Grüniger, Bruce Molnia & Michael Richter. "Did Debris Covered Glaciers Serve as Pleistocene Refugia for Plants? A New Hypothesis Derived from Observations of Recent Plant Growth on Glacier Surfaces?" Abstracts, Association of American Geographers Annual Meeting, Page 184, Chicago, Illinois.
- 35) 2005 Dexter, Leland R., Donald A. Friend, Richard S. Trujillo and Donald F. Earnest. "Observations and Measurements of Rock Glacier Energy Budgets and Surface Flow Rates, San Juan Mountains, Colorado." Abstracts, Association of American Geographers 101<sup>st</sup> Annual Meeting, Denver, Colorado.
- 34) † "Rock Glaciers and Climate Change." Fulbright Berlin Seminar 2005, Berlin, Germany.

- 33) \* Friend, Donald A., Leland R. Dexter, Richard S. Trujillo and Donald F. Earnest. "Observations and Measurements of Rock Glacier Energy Budgets and Surface Flow Rates, San Juan Mountains, Colorado USA." Abstracts, Italian Glaciological Committee 9<sup>th</sup> Alpine Glaciological Meeting, Page 27, Milano, Italy.  
(<http://users.unimi.it/glaciol/9agm/definitive.html>, accessed 16 February 2005)
- 32) 2004 † Dexter, Leland R., Donald A. Friend, and Richard S. Trujillo. "Recent Rock Glacier Investigations in the San Juan Mountains, Colorado." 2<sup>nd</sup> Annual State of the San Juan's Conference, Mountain Studies Institute, Silverton, Colorado.
- 31) \* Friend, D. A. and Williams M.W. "Water Quality as an Input to Development Policy in Mountain Environments." 30<sup>th</sup> International Geographical Congress Technical Program Abstracts, Glasgow, Scotland.
- 30) Friend, D. A. and Dexter, L. R.. "Mountain Learning and Mountain Geography in Silverton, Colorado, a Thirty Year Long Tradition." Abstracts, Association of American Geographers Centennial Meeting, Page 148, Philadelphia, Pennsylvania.
- 29) 2003 \* Friend, D. A. and Williams M.W. "Water Quality as an input to Development Policy." Sustainable Mountain Communities Conference (SUSTCOM) at The Banff Centre, Canada.  
(<http://www.banffcentre.ca/mountainculture/mtnconferences/suscom/>)
- 28) L. R. Dexter and Friend, D. A.. "Does Balch Ventilation Act on Rock Glaciers? A Preliminary Energy Balance Assessment." Abstracts, Arizona-Nevada Academy of Science 47<sup>th</sup> Annual Meeting, Flagstaff, Arizona.
- 27) Friend, D. A. and Dexter, L. R.. "Rock Glacier Energy Balance: Hypotheses." Abstracts, Association of American Geographers 99<sup>th</sup> Annual Meeting, Page 125, New Orleans, Louisiana.
- 26) L. R. Dexter and Friend, D. A.. "Rock Glacier Energy Balance: Active vs. Inactive Rock Glaciers." Abstracts, Association of American Geographers 99<sup>th</sup> Annual Meeting, Page 96, New Orleans, Louisiana.
- 25) † "Author and Edit a Scholarly Text Entitled Mountains and People." Sixth Annual Teaching Scholar Series, Minnesota State University, Mankato, Minnesota.
- 24) † "Course Challenges and Course Information." McGraw-Hill Earth Science Symposium, Sedona, Arizona.
- 23) 2002 "Mountain Geography in America." Abstracts, Association of American Geographers West Lakes Division Annual Meeting, Page 10, Minneapolis, Minnesota.
- 22) "Mountain Geography in America." Abstracts, Association of American Geographers 98<sup>th</sup> Annual Meeting, Page 192, Los Angeles, California.
- 21) † "Textbook Art." McGraw-Hill Physical Geography Symposium, Vancouver, British Columbia, Canada.
- 20) 2001 \* "Boulder Fields in Desert Mountains: Analogues to Alpine Slopes?" Proceedings, 2001 Binghamton International Geomorphology Symposium, Mountain Geomorphology: Integrating Earth Systems, Page 41, Chapel Hill, North Carolina.
- 19) "The International Geographical Union, Mountain Geocology and 2002 – The International Year of the Mountains." Abstracts, Association of American Geographers 97<sup>th</sup> Annual Meeting, Page 306, New York, New York.
- 18) \* Page, S. M., Browne, R. N., Friend, D. A., and Hoppie B. W. "Designing Electronic Portfolios: How They Can Be Used For Reporting and Measuring Competencies." Abstracts, Association of Teacher Educators, New Orleans, Louisiana.
- 17) 2000 \* Hoppie, B. W., Friend, D. A., Browne, R. N., and Page, S. M. "The Role of the World Wide Web in Improving an Earth Science Teaching Program at Minnesota State University, Mankato." Geological Society of America, Abstracts with Programs, Vol. 32, No. 7, Reno, Nevada.

- 16) \* "Evolution of Desert Colluvial Boulder Fields, Eastern California." 29<sup>th</sup> International Geographical Congress Technical Program Abstracts, Page 132, Seoul, KOREA.
- 15) Friend, Donald A., Bryce Hoppie, Ronald N. Browne, Jr. and Scott M. Page. "Infusing Technology in the Earth Science Teaching Program at Minnesota State University." Abstracts, Association of American Geographers 96th Annual Meeting, Page 232, Pittsburgh, Pennsylvania.
- 14) † Friend, Donald A., Bryce Hoppie, Ronald N. Browne, Jr. and Scott M. Page. "Infusing Technology in "Earth Science and Geography at Minnesota State University." 2000 Annual Meeting, East Lakes and West Lakes Divisions, Association of American Geographers, Miami University, Oxford, Ohio.
- 13) 1999 "Revisiting William Morris Davis and Walther Penck to Propose a General Model of Slope 'Evolution' in Deserts." Abstracts, Association of American Geographers 95th Annual Meeting, Page 190, Honolulu, Hawaii. *'Nystrom' Award winning paper and presentation.*
- 12) 1998 "Evolution of Desert Colluvial Boulder Fields, Eastern California." Abstracts, Association of American Geographers 94th Annual Meeting, Page 265, Boston, Massachusetts.
- 11) 1997 "Evolution of Desert Colluvial Boulder Fields, Eastern California." Abstracts, Association of American Geographers West Lakes Regional Meeting, Page 19, Kenosha, Wisconsin.
- 10) 1996 "Arid Land Colluvial Boulder Line Development: Toward a General Model." Abstracts, Association of American Geographers 92nd Annual Meeting, Page 94, Charlotte, North Carolina.
- 9) 1995 "A General Model of Arid Land Colluvial Boulder Line Development." Abstracts, Association of American Geographers 91st Annual Meeting, Page 95, Chicago, Illinois.
- 8) † "Visa Documentation: Program Extension, Reinstatement, Practical Training." NAFSA: Association of International Educators, Arizona Meeting, Scottsdale, Arizona.
- 7) 1994 "Jökulhlaups and Climate: Statistically Significant Relationships Copper River Basin, Alaska." Abstracts, Association of American Geographers 90th Annual Meeting, Page 114, San Francisco, California.
- 6) 1993 † "Jökulhlaups and Modern Climate, Statistically Significant Relationships In The Wrangell-St. Elias Mountains, Alaska." Association of American Geographers Great Plains-Rocky Mountain Division Meeting, Boulder, Colorado. *Winner of the 1993 Graduate Student Paper Competition. "Judged meritorious for its research quality, writing style, and oral presentation."*
- 5) † "Subsistence Level Aquaculture in Zaire, a Sustainable Protein and Income Resource." AFRICA in Transition: Challenges and Opportunities, Conference held at: Thunderbird, The American Graduate School of International Management, Glendale, Arizona.
- 4) 1992 \* "Glacial Outburst Floods of the Kennicott Glacier, Alaska: A Flood Hazard Assessment." 27<sup>th</sup> International Geographical Congress Technical Program Abstracts, Page 195, Washington, D.C.
- 3) "Distribution of Rock Glaciers in the Western United States." Association of American Geographers Annual Meeting Abstracts, Page 78, San Diego, California.
- 2) 1991 \* R. Dorn, T. Wasklewicz, S. Clark, J. Hetrick, G. Pope, T. Liu, P. Catanzariti, D.A. Friend, D.G. Krinsley, J. Dixon. "Olivine Does Not Necessarily Weather First." Geological Society of America Annual Meeting, Abstracts with Program, Volume 23, Number 5, Page A206, San Diego, California.
- 1) 1987 "Glacial Outburst Floods of the Kennicott Glacier, Alaska: An Empirical Test." Association of American Geographers Annual Meeting Program and Abstracts, Page 30, Portland, Oregon.

### **INVITED LECTURES**

(May Correspond With "Papers Presented" or "Service")

- 49) 2018 Showcasing the Diversity of Mountain Research. Abstracts, American Association of Geographers Annual Meeting, New Orleans, LA. <https://aag.secure-abstracts.com/AAG%20Annual%20Meeting%202018/sessions-gallery/11814> (Accessed 19 April 2018).
- 48) 2017 Donald Friend. "Mapping the Holy Land." Campus Colloquium Series: American Politics & Our Democratic Principles, Minnesota State University.
- 47) Donald Friend, Cindy Miller, Ginger Schmid. "Current Geopolitical Conflict Zones: Critical Issues for America." Campus Colloquium Series: American Politics & Our Democratic Principles, Minnesota State University.
- 46) 2012 "Nuclear Waste Disposal in the USA and Around the World: What's in Everyone's Backyard?" 43<sup>rd</sup> Annual South Dakota Geography Convention, South Dakota State University.
- 45) 2011 "Nuclear Waste Disposal in the USA: What's in Every American's Backyard?" SOPA (School of Public Affairs) Inaugural Colloquium, St. Cloud State University, Minnesota.
- 44) 2009 "Improved River Water Quality Monitoring Using Hyperspectral Remote Sensing." "EnviroThursday" Lecture, Sponsored by the Environmental Studies Program, Department of Geography and Mellon Curricular Pathways, Macalester College (<http://www.macalester.edu/environmentalstudies/envirothursday/envirothursdayfall2009.htm#Oct15>. Accessed 19 October 2009).
- 43) 2008 "Did Debris Covered Glaciers Serve as Pleistocene Refugia for Plants? A New Hypothesis Derived from Observations of Recent Plant Growth on Glacier Surfaces?" Colloquium, Department of Geography, Minnesota State University.
- 42) "Nuclear Waste Disposal in the USA: What's in Every American's Backyard?" Department of Geography, Minnesota State University.
- 41) 2007 "German-American Joint Field Excursions." Guest Speaker, 2<sup>nd</sup> Annual Cultural Diversity Luncheon, College of Allied Health and Nursing, Minnesota State University.
- 40) 2006 "Nuclear Waste Disposal in the USA: What's in Every American's Backyard?" Guest Speaker, Diversity Kiwanis Club, Mankato, Minnesota.
- 39) 2005 "From the Beach to Climbing Tropical Ice: A Vertical Transect in East and Central Africa." Colloquium, Institut für Geographie, Friedrich-Alexander Universität, Erlangen, Germany
- 38) "The Evolution of Desert Colluvial Boulder Fields." Colloquium, Geographisches Institut, Universität zu Köln, Germany.
- 37) "The Evolution of Desert Colluvial Boulder Fields." Colloquium, Institut für Geographie, Friedrich-Alexander Universität, Erlangen, Germany.
- 36) "The Distribution of Nuclear Waste in the USA." Deutsch-Amerikanisches Zentrum / James-F.-Byrnes-Institut e.V., Stuttgart, Germany. Annual Earth Day Lecture.
- 35) 2004 "Energy Balance and Other Observations on Some Rock Glaciers in the USA" Das Geographische Institute der Universität Bonn, Germany.
- 34) "The Distribution of Nuclear Waste in the USA." Colloquium, Institut für Geographie, Friedrich-Alexander Universität, Erlangen, Germany.
- 33) "The Distribution of Nuclear Waste in the USA." Guest Speaker, Mankato, Minnesota, Kiwanis Club.
- 32) "The Distribution of Nuclear Waste in the USA." Guest Speaker, Minnesota State University Kiwanis Club.

- 31) "Jerusalem, Israel and Egypt." Guest Speaker, Countryside Montessori School, Mankato, Minnesota.
- 30) 2003 "Water Quality as an input to Development Policy." Panelist, Sustainable Mountain Communities Conference (SUSTCOM) at The Banff Centre, Canada.  
(<http://www.banffcentre.ca/mountainculture/mtnconferences/suscom/>)
- 29) "Geography of Africa: From the Rainforest to Climbing Tropical Ice." Department of Geography, Minnesota State University.
- 28) 2002 "Nuclear Waste Disposal: Global Responses to Human Needs." Department of Social Work, Minnesota State University.
- 27) "Reflecting on Fieldwork in Geography." Panelist, Association of American Geographers West Lakes Division Meeting, Minneapolis, Minnesota.
- 26) "Essentials of Teaching Portfolios for New and Junior Faculty." Panelist, Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 25) 2001 "International Year of the Mountains and the Mountain Geography Specialty Group of the Association of American Geographers." Conference on 'Applied Montology: Comparative Geographies of the Andes and the Appalachians,' University of Georgia.
- 24) "Mountain Geography in America." High Summit 2002, Worldwide Multi-Conference, sponsored by The Italian Committee for 2002 – The International Year of the Mountains: television and on-line live broadcast.
- 23) "Ice on the Equator: From the Beach to Glaciers in East Africa." Colloquium, Department of Geography, Gustavus Adolphus College.
- 22) "Evolution of Desert Colluvial Boulder Fields: Nuclear Waste Exposed?" Colloquium, Department of Geography and Planning, California State University at Chico.
- 21) "Tips for Teaching Evening Courses: How to Make the Most of Long Periods of Time." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.
- 20) "Grant Writing and Cross-College Collaboration: Lessons from the Earth Science Program." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.
- 19) 2000 "The 'Evolution' of Desert Colluvial Boulder Fields and Environmental Applications in Slope Stability using Cosmogenic Chlorine-36." Colloquium, Department of Geography, University of Memphis.
- 18) "The 'Evolution' of Desert Colluvial Boulder Fields and Environmental Applications in Slope Stability using Cosmogenic Chlorine-36 – OR – Debris Flows, Urban Sprawl and Nuclear Waste." Colloquium, Department of Geosciences, Boise State University.
- 17) 1999 "Nuclear Waste Disposal: Problems and Solutions." Department of Geography, Minnesota State University.
- 16) 1998 "Nuclear Waste." Department of Physics, Minnesota State University.
- 15) "Weather 101 for Day Care Providers." Minnesota State Child Care Conference, Children's Advocate Programs, Mankato, Minnesota.
- 14) "Interpreting Landforms on Topographic Maps." Minnesota Minerals Education Workshop, Minnesota Department of Natural Resources.
- 13) "California." Department of Geography, Minnesota State University.
- 12) "Nuclear Waste Disposal Policy and Earth Science: The Interface at Yucca Mountain, Nevada." Annual Frontier Forum Lecture for Outstanding Research, College of Social & Behavioral Sciences, Minnesota State University.

- 11) "Impressions from Israel, Egypt, and Zaire (Congo)." Colloquium, Department of Geography, Minnesota State University.
- 10) 1996 "Penck vs Davis on Evolution of Desert Colluvial Boulder Slopes." Physical Geography Forum, Department of Geography, Arizona State University.
- 9) 1995 "F-1 Visa Documentation: Program Extension, Reinstatement, Practical Training." NAFSA: Association of International Educators, Arizona Section.
- 8) "Regional Geography of Israel." Department of Geography, Mesa Community College, Mesa, Arizona.
- 7) 1994 "Teamwork, Education and Outward Bound." Centennial Middle School "I" Team, Phoenix, Arizona.
- 6) 1993 "History and Philosophy of Outward Bound." Seminar, Colorado Outward Bound School Summer Semester Course.
- 5) 1991 "Zairian Perspectives: An Altitudinal Transect, Subsistence Aquaculture in the Rainforest to Climbing Tropical Ice." Colloquium, Department of Geography, Arizona State University.
- 4) 1988 "Glacial Outburst Floods of the Kennicott Glacier, Alaska: An Empirical Test." Colloquium, Department of Geography, University of Colorado at Boulder.
- 3) "Glacial Geomorphology of the Collegiate Range, Rocky Mountains, Colorado: Interpretation and Teaching Methods." Annual Staff Training, Colorado Outward Bound School, Leadville, Colorado.
- 2) 1986 "The Pine Stripes of Hunter Mountain, Colorado: A Biogeomorphic Interpretation." Biogeography Colloquium, Department of Geography, University of Colorado at Boulder.
- 1) "The Pine Stripes of Hunter Mountain, Colorado: A Biogeomorphic Interpretation." Colloquium, Department of Geology and Geography, University of Denver.

## **SERVICE**

### **Service to Geography**

- |                |  |
|----------------|--|
| 2013           | Meridian Book Award Committee, Association of American Geographers (one year stand-in appointment).  |
| 2011 – present | Geomorphology Specialty Group, American Association Geographers.   |
|                | 2016 - present    Advisory Board   |
|                | 2015 – 2016    Chair   |
|                | 2014 – 2015    Secretary/Treasurer   |
|                | 2013 – 2014    Chair of the Awards Committee   |
|                | 2011 – 2013    Member of the Awards Committee  |
| 2011           | Session Chair, "Beyond the "Bird's Eye" View: Visualizing the Past with Historical Imagery and Geographic Information Systems," Forty-Sixth Annual Northern Great Plains History Conference, Mankato, Minnesota.           |
| 2010 – 2013    | Mel Marcus Fund for Physical Geography Committee, American Association Geographers.  |
|                | 2012 – 2013    Chair   |
|                | 2010 – 2012    Member  |
| 2010           | Session Chair, "Applications using the Civil Air Patrol ARCHER Hyperspectral System," Annual Meeting, Association of American Geographers, Washington, DC.   |
| 2010           | Paper Session Organizer (1 session with 6 presentations), co-sponsored by the Remote Sensing, Hazards, and GIScience & Systems Specialty Groups, 2010 Annual Meeting, Association of American Geographers, Washington, DC. |
| 2009           | External Program Reviewer, Department of Geography, University of Wisconsin, Oshkosh.  |
| 2008           | Student Presentation Competition Judge, Association of American Geographers West Lakes Regional Meeting. Bloomington, Indiana.   |



- 2007 – 2009 Fulbright National Screening Committee, Institute of International Education (IIE).
- 2006 – 2009 Association of American Geographers.
- 2007 – 2009 Member, AAG Committee on College Geography and Careers
- 2007 – 2009 Member, AAG Committee on Committees
- 2007 – 2009 Chair of Regional Councillors
- 2006 – 2009 Councillor representing the West Lakes Region
- 2005 – 2009 North American Regional Editor, Geographische Rundschau-International Edition published by Westermann, Germany. <http://www.geographischerundschau.de/>.
- 2005 – present Journal of Mountain Science published by the Chinese Academy of Sciences, Chengdu. <http://www.imde.ac.cn/journal/index.htm>.
- 2011 – present Editorial Advisor, <http://jms.imde.ac.cn/web/21915/editorial-advisors>
- 2007 – 2011 Associate Editor in Chief
- 2005 – 2006 Editorial Board Member
- 2000 – present United States Representative to the International Commission on *Mountain Response to Global Change* of the International Geographical Union. Membership is by invitation only and is limited to approximately 12 countries and usually to one scholar per participating country.
- 2003 Paper Sessions Organizer (1 session with a total of 6 presentations), Mountain Geography Specialty Group, 2004 Annual Meeting, Association of American Geographers, Philadelphia, Pennsylvania.
- 2002 – 2004 Senior Instructor, The Mountain Institute, Washington, D.C. Design and teach K-12 faculty enrichment seminars on Mountain Geography.
- 2002 Guest Editor, Special Issue of the Geographical Review, v92(2), on "Mountain Geography" as a contribution to 2002 – The International Year of Mountains.
- Panelist, "Reflecting on Field Work in Geography," Association of American Geographers West Lakes Division Annual Meeting, Minneapolis, Minnesota.
- Session Chair, "Mountain Ecosystems, Resources and Development I: The Breadth of Mountain Geography," Annual Meeting, Association of American Geographers, Los Angeles, California.
- Panelist, "Essentials of Teaching Portfolios for New and Junior Faculty," Annual Meeting, Association of American Geographers, Los Angeles, California.
- 2001 Paper Sessions Organizer (10 sessions with a total of 51 presentations), Mountain Geography Specialty Group/IGU Commission on Diversity in Mountain Systems/International Year of Mountains, 2002 Annual Meeting, Association of American Geographers, Los Angeles, California.
- Field Trip Organizer, Mountain Geography Specialty Group/IGU Commission on Diversity in Mountain Systems/International Year of Mountains, 2002 Annual Meeting, Association of American Geographers, Los Angeles, California.
- Colloquium Speaker, Department of Geography, Gustavus Adolphus College.
- Colloquium Speaker, Department of Geography and Planning, California State University at Chico.
- Paper Sessions Organizer (3 sessions, 15 presentations), Mountain Geography Specialty Group, 2001 Annual Meeting, Association of American Geographers, New York, New York.
- 2000 Session Chair, "Geographic Education," Association of American Geographers, East Lakes, West Lakes, Regional Meeting, Miami University, Oxford, Ohio.
- Session Chair, "Mountains I: Hazards, Peoples and Issues," Annual Meeting, Association of American Geographers, Pittsburgh, Pennsylvania.
- Colloquium Speaker, Department of Geosciences, Boise State University.

- North American Representative to The Mountain Forum Board of Directors, nominated, not elected.
- Colloquium Speaker, Department of Geography, University of Memphis.
- 1999 Paper Sessions Organizer (6 sessions with a total of 30 presentations), Mountain Geography Specialty Group, 2000 Annual Meeting, Association of American Geographers, Pittsburgh, Pennsylvania.
- 1999 – 2001 Chair, Mountain Geography Specialty Group, Association of American Geographers.  
General Editor for Geography at [research.studentadvantage.com](http://research.studentadvantage.com). Student Advantage is an on-line educational company that provides web content on geographic educational material.
- 1998 – 2004 Advisory Board, Mountain Geography Specialty Group, Association of American Geographers.
- 1998 – 1999 Founding Chair, Co-Founder and Organizer, Mountain Geography Specialty Group, Association of American Geographers.
- 1998 Session Chair, "General Geomorphology III," Annual Meeting, Association of American Geographers, Boston, Massachusetts.
- 1995 Session Chair, "Drylands Geomorphology," Annual Meeting, Association of American Geographers, Chicago, Illinois.
- 1994 Session Chair, "Glacial Geomorphology and Hydrology," Annual Meeting, Association of American Geographers, San Francisco, California.

**Manuscript Reviewer (Journals)**

(service continued)

Annals of the American Association Geographers.

Erdkunde.

Geografia Fisica e Dinamica Quaternaria [Physical Geography and Quaternary Dynamics].

Geographical Review.

Geomorphology.

Journal of Biogeography.

Journal of Geography.

Journal of Geophysical Research – Earth Surface.

Journal of Mountain Science.

Midwest Association of Graduate Schools (MAGS) Master's Thesis Competition.

Natural Hazards and Earth System Sciences.

Nature.

The Professional Geographer.

US Geological Survey, Water Resources Research.

**Manuscript Reviewer (Books)**

(service continued)

Brooks/Cole. Introduction to Physical Geography.

John Wiley & Sons, Inc. Interactive Themes in Physical Geography.

John Wiley & Sons, Inc. Exploitation, Conservation, Preservation, 4<sup>th</sup> Edition;

John Wiley & Sons, Inc. Physical Geography.

John Wiley & Sons, Inc. Physical Geography: Science and Systems of the Human Environment, 1<sup>st</sup> and 2<sup>nd</sup> Editions.

McGraw – Hill Publishers. Earth Science: Understanding Environmental Systems.

McGraw – Hill Publishers. Physical Geography.

McGraw – Hill Publishers. The Good Earth: Introduction to Earth Science.

McGraw-Hill Publishers. Location, Patterns and Regions.

Oxford University Press. Physical Geography: The Global Environment, 3<sup>rd</sup> Edition.

Oxford University Press. The Human-Environment Mosaic: A Geographic Approach.

Prentice Hall. Natural Resource Conservation, 7<sup>th</sup> Edition.

Prentice Hall. Water as a Resource.

Sage Publications Ltd. An Introduction to Scientific Research Methods in Geography.

W. H. Freeman and Company Publishers. Great Systems and Global Environments: A Physical Geography of Earth.

**Proposal Reviewer**

(service continued)

AAAS – American Association for the Advancement of Science, Women's International Science Collaboration (WISC) Program: grant proposal.

John Simon Guggenheim Memorial Foundation: Fellowship Proposal.

John Wiley & Sons, Inc. Text: Exploitation, Conservation, Preservation, 4<sup>th</sup> Edition.

MONTs – Montanans On a New Trac for Science (NSF funded program at Montana State University): grant proposal.

NERC – Natural Environment Research Council – United Kingdom: grant proposals.

NGS – National Geographic Society, Committee for Research and Exploration: grant proposals.

NSF – National Science Foundation, *Division of Behavioral & Cognitive Sciences – Geography and Spatial Science Program*: grant proposals.

NSF – National Science Foundation, *Division of Earth Sciences – Geomorphology and Land Use Dynamics, and Geobiology & Environmental Geochemistry Programs*: grant proposal.

Routledge, Proposed Text: Encyclopedia of Mountain Environments.

Routledge, Proposed Text: Frontiers of Himalayan Knowledge: Perceptions of Environmental Change.

Sage Publications Ltd., Proposed Text: An Introduction to Scientific Research Methods in Human Geography: Concepts and Techniques

University of California Press. Proposed Text: Mountains Of The World.

**Service to the Department and the University**  
**(service continued)**

- 2017 – 2018 Search Committee Member for the Dean of the College of Social and Behavioral Sciences, Minnesota State University.
- 2015 – 2016 Search Committee Member for the Vice President of Technology & Chief Information Officer, Minnesota State University.  
Luoma Leadership Academy Mentor, Minnesota State Universities and Colleges.
- 2010 Expert Witness, Mock Congressional Committee Hearing, Department of Political Science, Minnesota State University.
- 2009 – 2011 University Five-Year “Global Solutions” Strategic Plan Co-Chair (with the Provost), Minnesota State University.
- 2008 – 2010 International Programs Advisory Council, Minnesota State University.
- 2008 – 2016 Graduate Faculty Status Review Committee, College of Social and Behavioral Sciences, Minnesota State University.  
2011 – 2016 Chair  
2008 – 2010 Member
- 2007 – present Advisory Board Member, N. Doran Hunter International Lectureship Series, Minnesota State University.
- 2007 Honors Program Summer Task Force to identify "Honors Model Concepts," Minnesota State University.  
Panelist: "International Opportunities for Faculty." Professional Development Day, Minnesota State University.
- 2005 – present Chair, Department of Geography.  
Chair, Student Fulbright Candidate Review Committee, International Program Office, Minnesota State University.
- 2005 – 2006 Search Committee Member for the Dean of the College of Social and Behavioral Sciences, Minnesota State University.  
Greater Mankato Economic Development Corp. Project Committee, Office of Academic Affairs, Minnesota State University.
- 2004 – 2005 President's Task Force on "Academic Excellence in Undergraduate Studies" at Minnesota State University.
- 2003 – 2004 Dean's Task Force on Increasing Faculty Interest in External Funding, College of Social and Behavioral Sciences, Minnesota State University.  
Faculty Search Committees: GIS – Chair, Remote Sensing – Interim Chair, Biogeography – Member, Department of Geography, Minnesota State University.  
President's Strategic Priority Task Force to Enhance Academic Excellence in Undergraduate Studies, Minnesota State University.  
General Education Assessment Committee for the "People and the Environment" Requirement, Minnesota State University.
- 2003 – 2014 K-12 and Secondary Education Coalition, Minnesota State University.
- 2003 Panelist: "Tenure and Promotion Workshop." Minnesota State University.  
Panelist: "Increasing Your Success in Getting External Grants." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.

- 2002 Panelist: "Success as a Probationary Faculty Member." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.
- 2001 – 2002 Faculty Mentor, College of Social and Behavioral Sciences, Minnesota State University. Mentor new faculty in the College.  
General Education Assessment Committee for the "Natural Science" Requirement, Minnesota State University.
- 2001 Panelist: "Tips for Teaching Evening Courses: How to Make the Most of Long Periods of Time." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.  
Speaker: "Grant Writing and Cross-College Collaboration: Lessons from the Earth Science Program." College Conversation, College of Social and Behavioral Sciences, Minnesota State University.
- 2000 – 2003 RITE (Rural Integration Technology Education) Grant Initiative Participant, College of Education, Minnesota State University.
- 2000 – 2001 Faculty Search Committees, 1) GIS, 2) Biogeography, Department of Geography, Minnesota State University.
- 2000 – present Presidential Scholars Interviewer, Minnesota State University.
- 1999 – present Science Teaching Committee: Geography and Earth Science Representative, Minnesota State University.
- 1999 – 2004 Technology Committee, College of Social and Behavioral Sciences, Minnesota State University.
- 1998 – 2002 Teaching and Learning Committee (Chair 1999 – 2001), College of Social and Behavioral Sciences, Minnesota State University.
- 1998 – 2001 Faculty Advisor, R.A.N.G.E. (Regional and National Geographic Exploration), Geography Club, Department of Geography, Minnesota State University.
- 1998 – 1999 Assessment Committee, Department of Geography, Minnesota State University.  
Faculty Advisor, ULTIMATE, The Ultimate Disc Club, Minnesota State University.
- 1998 Guest Speaker, "Nuclear Waste." Department of Physics, Minnesota State University.
- 1997 – present Co-Chair, Environmental Education Standards and Curricula Committee, Minnesota State University.
- 1997 – 1998 Friendship Family Parent, International Student Office, Minnesota State University.
- 1997 Self-Assessment Design Committee, Department of Geography, Minnesota State University.
- 1993 Contributing Reporter, Arizona State University Graduate Voice.
- 1991 – 1993 Organizer, "Brown-Bag" Colloquia, Department of Geography, Arizona State University.
- 1991 – 1994 Guest speaker, "Regional Geography of Zaire." Geography of Africa Graduate Seminar and World Geography courses, Department of Geography, Arizona State University.
- 1988 Guest Speaker, "Glacial Geomorphology." Mountain Geography Course, Department of Geography, University of Colorado at Boulder.
- 1985 – 1988 Chair, Colloquia Committee, Department of Geography, University of Colorado at Boulder.
- 1986 Faculty Search Committee, Department of Geography, University of Colorado at Boulder.
- 1985 – 1986 Graduate Studies Committee, Department of Geography, University of Colorado at Boulder.

**Promotion and Tenure Reviewer (invited)**

**(service continued)**

- 2017 Minnesota State University, Department of Anthropology.
- 2014 University of Colorado at Boulder, Department of Geography.
- 2013 Portland State University, Department of Geography.
- 2012 University of Colorado at Colorado Springs, Department of Geography and Environmental Sciences.
- 2010 Oregon State University, Department of Geosciences.  
Portland State University, Department of Geography.
- 2009 Virginia Tech, Department of Geography.  
Macalester College, Department of Geography.
- 2008 Minnesota State University, Department of Chemistry and Geology.  
Minnesota State University, Urban and Regional Studies Institute.
- 2001 Western Washington University, Department of Environmental Studies.  
Northern Arizona University, Department of Geography.

**Service to the Community**

**(service continued)**

- 2009 "Nuclear Waste Disposal in the USA: What's in Every American's Backyard?" Guest Speaker, Rotary International, Mankato, Minnesota.
- 2006 "Nuclear Waste Disposal in the USA: What's in Every American's Backyard?" Guest Speaker, Diversity Kiwanis Club, Mankato, Minnesota.
- 2004 – 2011 Rotary International, District #5960, Club #2154, Mankato, Minnesota.  
2008 – 2011, International Service Director & International Youth Exchange Officer  
Administer international cultural exchange programs for youth through adults  
Recruit and vet host families and counselors for international exchange students  
Advocate for international exchange with local school officials  
2004 – 2011, Member
- 2004 "The Distribution of Nuclear Waste in the USA." Guest Speaker, Mankato, Minnesota Kiwanis Club.  
"The Distribution of Nuclear Waste in the USA." Guest Speaker, Minnesota State University Kiwanis Club.  
Guest Speaker, "Jerusalem, Israel and Egypt." Countryside Montessori School, Mankato, Minnesota
- 2003 Panelist, Sustainable Mountain Communities Conference (SUSTCOM) at The Banff Centre, Canada. <http://www.banffcentre.ca/mountainculture/mtnconferences/suscom/>
- 1998 Presenter, Minnesota State Child Care Conference '98, Children's Advocate Programs, Mankato, Minnesota.  
Presenter, Minnesota Minerals Education Workshop, Minnesota Department of Natural Resources.  
Frontier Forum Lecturer for Outstanding Research, Minnesota State University.
- 1998 – 2008 Organizing Committee, Minnesota Minerals Education Workshop, Minnesota Department of Natural Resources.
- 1995 – 1996 Mentor, Kids as Global Scientists Program, University of Colorado.

- 1994 – 1995 Volunteer, Centennial Middle School "I" Team, Phoenix, Arizona.
- 1991 – 1997 Scholarship Committee, University of California Alumni Association, Arizona Chapter.
- 1995 Guest Speaker, "Regional Geography of Israel." World Geography Course, Mesa Community College, Mesa, Arizona.
- 1994 Guest Speaker and "Hero," Centennial Middle School "I" Team, Phoenix, Arizona.
- 1993 Mentor, Coronado High School Environmental Studies Program, Phoenix, Arizona.
- 1992 Guest Speaker, "Culture and Communication Practices of the Luba Peoples, Zaire." Cultural Communications Course, Mesa Community College, Mesa, Arizona.
- 1991 Guest Speaker, "Regional Geography of Zaire." World Geography Class, Saguaro High School, Scottsdale, Arizona.
- 1980 – 1984 Training Officer and Assistant Unit Leader, Bay Area Mountain Rescue Unit, Mountain Rescue Association, Stanford, California.

### **IN THE PRESS**

- 2014 Mentioned and quoted, "Geography Colloquium Launching Soon." *Minnesota State University Reporter*, page 6-7, September 4, 2014.
- 2013 Interviewed, "Rural Revival Bucks Dire Forecasts for many Minnesota Small Towns." *StarTribune*, Minneapolis, November 24, 2013.  
<http://www.startribune.com/local/233175711.html>.
- 2012 Interviewed, "Severe Long-Term Drought." KEYC Television, Mankato, Minnesota, April 26, 2012.  
<http://www.keyc.tv/category/201273/video?clipId=7052803&topVideoCatNo=201272&autoStart=true>.
- Interviewed, "Arctic Sea Ice Melt." KMSU Radio, Mankato, Minnesota. February 28, 2012.
- 2011 Interviewed, "Mining Permits Withstand Objection." *The Free Press*, Mankato, Minnesota, v. 125(198):A1, October 19, 2011.
- Interviewed, "Center of Centers." *TODAY Magazine*, Minnesota State University, v. 12(3):8-11.
- Interviewed, "Japan-Like Nuclear Disaster Possible in the U.S." KEYC Television, Mankato, Minnesota, March 24, 2011.
- Interviewed, "2010 Census Shows Growth in MN Regional Centers." KEYC Television, Mankato, Minnesota, March 16, 2011.
- Interviewed, "Modeling Progress." *Frontiers Magazine*, Minnesota State University, v. 5(1):15-16.
- 2009 Panelist, "Weather and Climate Change." KSMQ PBS Television, Austin, MN, June 30, 2009.
- Mentioned and quoted, "The Stripping of Human Rights: MSU Students and Staff React to the Violence in the Gaza Strip." *Minnesota State University Reporter*, page 4, February 3, 2009.
- 2008 Interviewed and profiled, "Learning Beyond: Friend to Friend." *TODAY Magazine*, Minnesota State University, v. 9(1):17-20.
- 2007 Interviewed, "Regional Flooding." KEYC TV, Mankato, Minnesota. March 30, 2007.
- 2005 Mentioned, "Articles by Donald Friend were published....", and "...also presented papers at...." *MSU Campus Newsletter*, October, 2005.
- Mentioned, "Minnesota State University 2004 – 2005 Awards", *The Free Press*, Mankato, Minnesota, v. 122(138):A9, August 22, 2005.

- 2004
- Mentioned, "Donald Friend Receives Fulbright", *MSU President's Campus Newsletter*, May 26, 2004.
- Mentioned, "Three Earth Science Students Get Grants", *MSU President's Campus Newsletter*, May 26, 2004.
- Mentioned, "Grants and Awards.", *AAG Newsletter*, v.39(5):15, May 2004.
- Mentioned, "Faculty and Department Activities – Geography", *Good News*, College of Social and Behavioral Sciences, Minnesota State University, v.5(7):2, April, 2004.
- Mentioned, "Student Activities – Geography/Earth Science", *Good News*, College of Social and Behavioral Sciences, Minnesota State University, v.5(7):1, April, 2004.
- Mentioned, "Winter Ecology and Elk Scat in the San Juans." *Silverton Standard and The Miner*, Silverton, Colorado, v.129(34):5, February 20, 2004.
- 2003
- Profiled, "Professor Learns About Mountain Communities." *Minnesota State University Reporter*, page 7, September 4, 2003.
- Mentioned, "Publications and Presentations." *Research News*, Minnesota State University, v.4(2):2, May 2003.
- Mentioned, "Snow-Covered Classroom." *Silverton Standard and The Miner*, Silverton, Colorado, v.128(34):4, February 21, 2003.
- Interviewed, "The Tables Turn: MSU Students Design Textbook Cover: Cartography Students Contribute 100 Graphics to Book on Track to be Published in 2004." *Minnesota State University Reporter*, page 6, January 16, 2003.
- 2002
- Mentioned, "Grasslands Topic of Most Recent Geography Colloquia." *Minnesota State University Reporter*, Page 8, November 19, 2002.
- Mentioned, "Department of Geography Hosts Lectures." *Minnesota State University Reporter*, Page 1, October 1, 2002.
- 2001
- Mentioned, "Geography Department Hosts Weekly Lectures." *Minnesota State University Reporter*, Page 6, October 9, 2001.
- Interviewed, "Geography Colloquia." KMSU Radio, Mankato, Minnesota. September 27 & October 26, 2001.
- Interviewed, "Students Involved in Research." CBS Television affiliate KEYC, Mankato, Minnesota. Evening news, June 25, 2001.
- Profiled, "MSU Professor to be included in Who's Who in America." KMSU Radio, Mankato, Minnesota, June 20, 2001.
- Interview and Profile, "MSU Professor Noticed in the 2001 Edition of 'Who's Who in America'." *Minnesota State University Reporter*, page 1, June 6, 2001.
- 2000
- Interviewed, "MSU Geography Department Begins Colloquia Series." *Minnesota State University Reporter*, page 1, September 19, 2000.
- 1999
- Mentioned, "Advisors Portrayed in a Different Light." *Minnesota State University Reporter*, Page 1, November 4, 1999.
- Interviewed, "MSU Science Dept. Gets Funding." *Minnesota State University Reporter*, page 1, September 14, 1999.
- Interviewed, "Teacher Shortages." CBS Television affiliate KEYC, Mankato, Minnesota. Evening news, September 2, 1999.
- Mentioned, "MSU Professors get \$121,742 Grant." *The Free Press*, Mankato, Minnesota, v. 116(127):1B, September 2, 1999.



- Mentioned, US Department of Education Grantee. *The Campus Buzz*, Minnesota State University, v.2(1):2.
- Profiled, "J. Warren Nystrom Dissertation Awards." *Association of American Geographers Newsletter*, v. 34(6):7.
- Interview and Profile, "MSU Geography Professor Wins Nystrom Award." *Minnesota State University Reporter*, page 2, April 20, 1999.
- Profiled, "MSU Geographer Gets Nystrom Award." *The Free Press*, Mankato, Minnesota, v. 116(11):1B, April 19, 1999.
- Interviewed, "Five Universities Collaborate as Snow Science Studies Return to Silverton." *Silverton Standard and The Miner*, Silverton, Colorado, No. 36, March 11, 1999.
- Mentioned, "Theses and Dissertation Titles." *Association of American Geographers Newsletter*, v. 34(1):35.
- Mentioned, "Good News." *The Campus Buzz*, Minnesota State University, v.1(5):2.
- 1998 Profiled, "Alumni Notes." *Breakthroughs*, College of Natural Resources, University of California at Berkeley, v. 4(2):25.
- Profiled, "MSU Professor Not a Friend of Nuclear Waste." *Minnesota State University Reporter*, page 1, April 16, 1998.
- Quoted, "El Niño Played Role in Last Week's Storm that Hit St. Peter." *Minnesota Valley News/St. Peter Herald*, April 8, 1998.
- 1997 Interview and Profile, "Snow and Ice are Minnesota Nice." *Minnesota State University Reporter*, November 6, 1997.
- Quoted, "ASU Geographer Dies on Mountain." *Tempe Tribune*, Tempe, Arizona, March 8, 1997.
- 1996 Interview, "International Students Boost Arizona Economy." *Southwinds News Magazine*, TV Channel 22, Phoenix, Arizona, March 8, 1996.
- Interview "Foreign-Student Enrollment on Rise at ASU." *Tempe Tribune*, February 28, 1996.
- 1995 Quoted, "Feedback on 'Evil (?) Administrators.'" Editorial by Judy Olson, *Association of American Geographers Newsletter*, v.30(11):1.
- 1990 Interview, "The Nature of Outward Bound." ABC radio, San Francisco, May 1990.

**GRADUATE & UNDERGRADUATE THESIS COMMITTEES**

(\* Supervisor, \*\* Non-MSU external reviewer, *Geography at MSU unless specified*)

<u>Name</u>		<u>Thesis Title and Department</u>	<u>Degree</u>	<u>Year</u>
Clayton Anzalone	*	Linear Aeolian Landforms of the Upper Mississippi River Basin: Sand Stringers	M.S.	2018
Lynn Schultz	*	Agricultural Land Use, Watershed Characteristics, Precipitation, and Water Quality Response in a Shallow Lake Watershed in the Western Corn Belt Ecoregion	M.S.	2016
Michael Robinson	*	Protecting Environment in Minnesota: The Conservation Easement Stewardship and Enforcement Program	M.S.	2015
Tobias Walter		The Road as a Protagonist for Landscape Morphology: Chronicling U.S. Highway 16 and Interstate 90 in Southern Minnesota, 1925-2015	M.S.	2015
Winkels, Bridgett	*	Beaver Habitat Extent and Change over the past 100 years in the Elk Mountains, Colorado Rockies, USA	M.S.	2013
DeVoe, Zach	*	Burn Severity and Vegetation Recovery of the Clear Creek Fire, Salmon-Challis National Forest, Idaho	M.S.	2013
Koncur, Joe	*	Social Disorganization and Sex Offenders in Minneapolis, MN: A Socio-Spatial Analysis.	M.S.	2011
Leonard, Katie	*	How Far Will Rural Residents Travel to Exercise? Distance Decay and the US Public Land Survey System in Evidence, Lake Crystal, Minnesota.	M.S.	2011
Schroeder, Lorrie		Functional Ceramics ( <i>Art</i> ).	M.A.	2010
Bauer, Andreas	**	Land Use Change and its Effects on Floods – A Field Study for Waterloo, Iowa ( <i>Geographie, Universität Erlangen-Nuremburg, GERMANY</i> ).	Diplom	2009
Dhakal, Sajan	*	Final Employment and Internship Report for BillboardPlanet LLC, Minneapolis, Minnesota.	M.S.	2009
Elliot, Maggie	*	Land Use Practices of the Blue Earth River Riparian Corridor and their Effects on Soil Loss using GIS and Remote Sensing.	M.S.	2009
Swafford, Ryan	*	Spatiotemporal Variations of Outdoor Allergenic Fungi in South Central Minnesota.	M.S.	2009
Milbrath, Cindy		Holistic Education ( <i>Education: Earth Science</i> ).	M.A.T.	2008
Perlik, Matthew		Bat Mortality Associated with Wind Power Development ( <i>Ecology</i> ).	M.S.	2008
Geldner, Robyn		Feminist Borderlands in the Short Stories of Maria Cristina Mena ( <i>Multidisciplinary Studies</i> ).	M.S.	2007
Klosa, Brian		An Analysis of Interstate Oratory Speeches: Are They Really Different? ( <i>Speech Communication</i> ).	M.F.A.	2007
Whitehead, Brandon	*	Investigating Depletion of the Southern High Plains (Ogallala) Aquifer.	M.S.	2007
Worley, Katherine		The Importance of Integrating Environmental Education into the School Curriculum ( <i>Environmental Science</i> ).	M.S.	2007
Yamada, Rie	*	The Spatial Relationship Among Mounds in the Red Wing Locality, Minnesota and Wisconsin.	M.S.	2007
Grasser, Michael	**	Statistical Estimation and Automated Mapping of Rock Glacier Occurrence in the San Juan Mountains / Colorado ( <i>Geographie, Universität Erlangen-Nuremburg, GERMANY</i> ).	Diplom	2006

Staley, Dennis	**	Linking Process and Form on Alpine Talus Cone Systems: Colorado Front Range, USA ( <i>Earth Sciences, University of Memphis, Tennessee</i> ).	Ph.D.	2006
Brenning, Alex	**	Climatic and Geomorphological Controls of Rock Glaciers in the Andes of Central Chile: Combining Statistical Modelling and Field Mapping ( <i>Geography, Humboldt University, Berlin, GERMANY</i> ).	Ph.D.	2005
Nelson, Catherine	*	Nine Street (title of Senior Honors Paper).	B.S.	2005
Adams, Eric		Campus Identity Plan ( <i>Urban Planning</i> ).	M.A.	2004
Hart, Roger		Unity (title of novel, <i>Creative Writing</i> ).	M.F.A.	
Donovan, Anne		Corn Mazes: A Geographic Analysis of Agritourism in the Upper Midwest.	M.S.	2003
Husaby, James	*	Improvement of Flood Forecasting in the Wapsipinicon River Basin, Iowa, Using FLDWAV, an Empirical Flow Routing Model.	M.S.	2003
Whiting, Palani		Livestock Depredation by the Grey Wolf ( <i>Canis lupus</i> ) in Northern Minnesota ( <i>Environmental Science</i> ).	M.S.	2003
Roberts, Paul		Sources, Species and Loading of Nitrogen and Phosphorus from Commercial, Industrial and Residential Waste Watersheds in the Mankato, Minnesota Municipal Wastewater System from May 1 <sup>st</sup> through October 13 <sup>th</sup> , 1998 ( <i>Environmental Science</i> ).	M.S.	2000
Roberts, Paul		Experientially Teaching Chemistry ( <i>Experiential Education</i> ).	M.S.	2000
Nelson, Alyssa		Some Preliminaries to Re-Creating Sport: Eliminating Discrimination for Positive Character Building Through Sport ( <i>Experiential Education</i> ).	M.S.	1999
Shostak, Eli		The Experience of Place: A Field Guide to Sense of Place ( <i>Experiential Education</i> ).	M.S.	1999

## **COURSES TAUGHT**

Geography 101 (lower division): ***Introduction to Physical Geography***. A General Education course that is also required of geography majors. Generally I teach two sections per term. The class is well enrolled, approximately 400 students per term.

Geography 315 (upper division): ***Geomorphology***. This course is offered each Autumn with 20 to 25 enrolled. Several in-service teachers and/or those seeking an MAT usually enroll in this 300 level course as it is required to teach Earth Science.

Geography 401 (seniors only): ***Colloquium***: This is a one credit hour course required of all Geography majors. The purpose of the course is to expose our students to topics with which they may not be familiar from their few years at MSU. The course enrolls between 20 and 50 students depending upon the major count enrolled as seniors.

Geography 420/520 (senior/graduate): ***Conservation of Natural Resources***. This is an exciting course at the heart of Geography. We examine the people-environment interface focusing on our natural resources, earth, air, water and people. The course enrolls 20 to 25 students each Spring, several of which are Environmental and/or Earth Science majors in addition to Geography majors. The course fulfills requirements in all three majors.

Geography 440/540 (senior/graduate): ***Field Studies***. This variable credit hour course is offered for various places and topics. E.g., Field Studies: *Colorado*; Field Studies: *German Alps*; Field Studies: *Snow*; or just plain Field Studies. I have offered this course as a field based course in Minnesota where many weekend and afternoon field excursions and exercises are performed. I also take groups each February to Colorado to learn about Snow Water Resources and issues in Mountain Sustainable Development, and I have also taken students abroad to Germany and Italy. Field Studies enrolls between 10 and 30 students.

Geography 480/580 (senior/graduate): ***Seminar*** with variable subtitles. I have taught the course as:

- ***Snow & Ice Processes***. This course surveys the cryosphere beginning with formation of ice crystals in the atmosphere through snow and ice on the ground, implications for water supply, climate change, cold hazards and sea ice, and ending with recreation in cold environments. It can be used as a major or minor requirement for Geography, Geology, Earth Science or Experiential Education. I draw equal numbers of students from all fields. Offered every other year enrolling 15 to 25 students.
- ***Mountains and People***. This course examines mountain environments, mountain peoples and interaction of the two with particular attention to issues of sustainable development.

Geography 609 (graduate only): ***Selected Topics*** with variable subtitles. I have taught the course as:

- ***Sustainable Environments***. The interface of science and policy as applied to sustaining humanity, all other species, and the planet's life support systems are explored through in-depth reading, writing, discussion and problem solving. Mountain systems and highland-lowland interactions will serve as case studies in sustainability science/sustainable development.
- ***Water***. This course explores the interface of science and policy as applied to water. By the end of the course students should have: a thorough understanding of global to local issues including past, current and possible future policies; improved quantitative understanding of water supply issues through data explored and problem sets assigned; and a keen analytical awareness of sustainability issues.

Geography 670 (graduate only): ***Issues in Geographic Techniques***. The course helps prepare the student to undertake professional level GIScience work by exposing them to operational and real-time GISc operations in government and industry, and by allowing students to explore current ethical and fundamental issues in the discipline.

Geography 678 (graduate only): ***Research & Writing***. This course is one of two core courses in our graduate program. The overall goal is to teach new graduate students how to develop an effective research proposal with a well-designed project. The course is offered annually with enrollment of 10 to 15 students.

**TEACHING EVALUATION SUMMARIES**  
(Mean Score Reported, Evaluation Based on a 5.0 System where 5 is highest)

**Lower Division Courses**

Course Number**	101	101	101	101	101	101	101
<u>Term Taught</u>	<u>S'01</u>	<u>F'01</u>	<u>F'02</u>	<u>F'03</u>	<u>S'04</u>	<u>Su'06</u>	<u>S'17</u>
The course as a whole	3.91	3.88	3.86	3.77	3.75	3.95	3.8
The instructor's contribution to the course	4.33	4.47	4.36	4.37	4.18	4.63	4.6
Use of class time	4.23	4.40	4.41	4.44	4.16	4.79	4.8
Instructor's interest in whether students learned	4.26	4.37	4.14	4.36	4.00	4.47	4.5
Amount you learned in the course	3.84	3.93	3.83	3.74	3.68	3.89	4.1
Evaluative and grading techniques	3.52	3.89	3.93	4.15	3.67	3.68	3.8
Clarity of student responsibilities and requirements	4.05	4.20	4.32	4.46	4.10	4.42	4.2
Course organization	4.10	4.21	4.08	4.34	4.09	4.05	4.1
Sequential presentation of concepts	4.09	4.10	4.03	4.19	4.05	4.68	4.6
Instructor's use of examples and illustrations	4.47	4.48	4.49	4.51	4.25	4.95	4.7
Clarity of instructor's voice	4.73	4.68	4.76	4.72	4.47	4.32	4.5
Student confidence in instructor's knowledge	4.67	4.71	4.69	4.69	4.53	4.89	4.8
Instructor's enthusiasm	4.68	4.75	4.60	4.59	4.43	4.84	4.6
Explanations by instructor	4.39	4.37	4.38	4.44	4.23	4.33	4.1
Instructor's enhancement of student interest in the material	4.41	4.50	4.39	4.43	4.16	4.61	4.8

\*\*101 Introduction to Physical Geography (250+ students per course, often teach 2 or more sections)

**Upper Division & Graduate Courses**

Course Number**	420	440	420	440	420	440	678
<u>Term Taught</u>	<u>S'16</u>	<u>S'16</u>	<u>S'17</u>	<u>S'17</u>	<u>S'18</u>	<u>S'18</u>	<u>S'18</u>
The course as a whole	4.8	5.0	4.8	5.0	4.8	4.8	4.0
The instructor's contribution to the course	4.5	5.0	5.0	5.0	4.8	5.0	4.3
Use of class time	4.6	4.9	4.8	5.0	4.9	4.8	4.0
Instructor's interest in whether students learned	4.8	5.0	5.0	5.0	5.0	5.0	5.0
Amount you learned in the course	4.8	5.0	4.8	4.8	4.7	4.7	4.7
Evaluative and grading techniques	4.5	5.0	4.8	4.8	4.7	4.9	4.3
Clarity of student responsibilities and requirements	4.8	5.0	4.9	5.0	4.8	4.9	4.3
Instructor's contribution to discussions	4.7	5.0	4.8	4.8	5.0	5.0	5.0
Instructor's use of examples and illustrations	4.8	5.0	5.0	4.8	4.9	4.9	4.7
Quality of questions or problems raised by instructor	4.8	5.0	4.9	5.0	4.9	5.0	4.7
Student confidence in instructor's knowledge	4.8	5.0	5.0	4.8	5.0	5.0	4.7
Instructor's enthusiasm	4.8	5.0	4.9	5.0	5.0	5.0	4.7
Encouragement given to students to express themselves	4.9	5.0	4.9	4.8	5.0	5.0	4.7
Answers to student questions	4.8	5.0	4.9	5.0	5.0	5.0	5.0

\*\* 315 Geomorphology (15-25 students)  
401 Colloquium (25-40 students)  
409/509 Mountain Geography (5-15 students)  
420/520 Conservation of Natural Resources (15-25 students)  
440/540 Field Studies (10-25 students)  
480/580 Snow and Ice Processes (15-25 students)  
609 Sustainable Environments (Graduate only, 4-10 students)  
670 Issues in Geographic Techniques (Graduate only, 6-14 students)  
678 Geographic Research & Writing (Graduate only, 4-14 students)

## **SKILLS AND OTHER INFORMATION**

### **Professional Memberships**

- American Geographical Society
- American Geophysical Union
- American Association Geographers
- Friends of Geography, Arizona State University
- Fulbright Academy of Science & Technology
- Fulbright Association
- Gamma Theta Upsilon
- International Mountain Society
- International Permafrost Association
- National Geographic Society

### **Areas Traveled Extensively**

- Africa: Kenya, Rwanda, Tanzania, Zaire, Zambia.
- Asia: South Korea.
- Europe: France, Germany, Italy, Scotland, Switzerland
- North America: Alaska, Baja California, Basin and Range, California, Colorado Plateaus, Mojave Desert, Southern Rockies.

### **Professional Certifications**

- Nationally Registered Emergency Medical Technician, 1980 to 2001.  
Emergency Service Ambulance Attendant, Oakland, California, September 1980 to December 1982.

### **Areas of Specialization**

- Physical Geography
- Mountain Environments
- Topoclimatology
- Glacial, Periglacial, and Snow Processes
- Geographic Education
- Geomorphology
- Arid Environments
- Atmosphere-Land Surface Interaction
- International Student Advising and Administration
- Earth Science & Environmental Education

### **Skills**

- Field Methods
- Topographic Map Interpretation
- Geographic Information Systems
- Quantitative Analysis
- Aerial Photo Interpretation

### **Regional Expertise**

- Alpine and Mountain Environments
- Central and East Africa
- Western Europe
- North American Cordillera
- California

### **Related Experience**

- Natural Resource/Environmental Policy and Law
- Land Use/Environmental Problems
- Education in Outdoor, Experiential, and Wilderness Settings
- Educational Television Broadcasting
- Wilderness Emergency Medicine, Mountaineering, Mountain Rescue
- Interpersonal Communication, Group Facilitation, and Group Conflict Resolution