

**RICHARD A. MARSTON, Ph.D., P.H.**  
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University Distinguished Professor Emeritus  
Department of Geography, 118 Seaton Hall  
Kansas State University  
Manhattan, KS 66506-2904

Email: Rmarston@ksu.edu  
Cell Phone: 785-410-5603

<http://www.ksu.edu/geography/people/emeritus/rmarston.htm>

## **CONTENTS**

<b>CAREER BACKGROUND</b> .....	<b>2</b>
<b>PROFESSIONAL INTERESTS</b> .....	<b>2</b>
<b>EDUCATION AND PROFESSIONAL CERTIFICATION</b> .....	<b>2</b>
<b>ACADEMIC POSITIONS</b> .....	<b>2</b>
<b>SABBATICALS</b> .....	<b>3</b>
<b>OTHER POSITIONS</b> .....	<b>3</b>
<b>HONORS, AWARDS AND SPECIAL RECOGNITION</b> .....	<b>3</b>
<b>TEACHING</b> .....	<b>4</b>
<b>RESEARCH</b> .....	<b>6</b>
<b>PUBLICATIONS</b> .....	<b>6</b>
<b>CONTRACTS &amp; GRANTS</b> .....	<b>18</b>
<b>SERVICE</b> .....	<b>22</b>
<b>STUDENT ADVISING</b> .....	<b>31</b>
<b>OTHER ACTIVITIES AND ACCOMPLISHMENTS</b> .....	<b>35</b>
<b>PAPER &amp; POSTER PRESENTATIONS</b> .....	<b>40</b>

## CAREER BACKGROUND

### PROFESSIONAL INTERESTS

- **Geomorphology**
  - Study of landforms and the processes that form/maintain/change them;
  - Landform stability & adjustment to environmental change (e.g., deforestation/reforestation, grazing, fires, mining, river regulation, construction, urbanization, agriculture, climate change)
- **Applied Physical Geography**
  - Natural hazard assessment & response (especially floods, mass movement, excessive erosion, stream channel instability, dust storms)
  - Glacier response to climate change
  - Reclamation/restoration of disturbed lands
  - Water supply-use-management; Groundwater movement & contamination
- **Regional Emphasis**
  - Mountains: Himalayas-Karakoram-Tibet, Rocky Mountains, Alps, Coast Ranges of Oregon, Northern California & Alaska
  - Great Plains: Kansas, Oklahoma

### EDUCATION AND PROFESSIONAL CERTIFICATION

- **1984-2018 P.H. (Certified Professional Hydrologist)**, American Institute of Hydrology; St. Paul, MN
  - Re-certified in 1991 and 2004)
- **1980 Ph.D.** Geography, Oregon State University
  - Dissertation: *The Geomorphic Role of Log Steps in Forest Streams of the Oregon Coast Range*
  - Advisor: Dr. Charles L. Rosenfeld
- **1976 M.S.** Geography, Oregon State University
  - Plan B Paper: *Design Criteria for a Surface Coal Mine Reclamation Plan in Northwest Colorado*
  - Advisor: Dr. Charles L. Rosenfeld
- **1974 B.A.** Geography-Ecosystems, University of California at Los Angeles
  - Senior Thesis: *Ecosystem Dynamics of a Headland-Bay Beach: Limantour Spit, California*
  - Advisor: Dr. Antony R. Orme

### ACADEMIC POSITIONS

- **2016 to present:** University Distinguished Professor Emeritus, Department of Geography, Kansas State University, Manhattan, KS 66506-2904
- **2005 to 2016:** University Distinguished Professor (2006-2016) and Head (2005-2011), Department of Geography, Kansas State University, Manhattan, KS 66506-2904
- **1999 to 2005:** Sun Chair Professor, School of Geology, Oklahoma State University, Stillwater, OK 74078-3031; Adjunct Professor, OSU Department of Geography, OSU School of International Studies; Graduate Faculty, OSU Environmental Sciences Program
- **1994 to 1999:** Professor of Geography, Department of Geography & Recreation, University of Wyoming, Laramie, WY 82071-3371; Adjunct Professor of International Studies (1995-1998);
- **1996 to 1997:** Visiting Professor, Environmental Sciences Program, University of Alaska Southeast, Juneau, AK 99801
- **1988 to 1994:** Associate Professor of Geography, Department of Geography & Recreation, University of Wyoming, Laramie, WY 82071-3371
- **1986 to 1988:** Assistant Professor of Geography, Department of Geography & Recreation (half-time at Wyoming Water Resources Center), University of Wyoming, Laramie, WY 82071-3371

- **1980 to 1986:** Assistant Professor (Visiting Assistant Professor, 1980-82), Department of Geological Sciences, University of Texas at El Paso, El Paso, TX 79968

### **SABBATICALS**

- **2014-15 (full-year):** Geomorphology and applied physical geography; two months at Institute of Geology, University of Berne, Switzerland
- **1992-93 (full-year):** Floodplain Disturbance and Landscape Diversity in the Upper Rhone River Drainage, France; Université Lyon III--Jean Moulin; funded by a Fulbright Research Award

### **OTHER POSITIONS**

- **Jan. 1999 to Dec. 2018 (20 years):** Editor-in-Chief, *Geomorphology* (Elsevier)
- **1996 to 1997 (18 months):** Director, Foundation for Glacier and Environmental Research; Juneau, AK; Field Director, Juneau Icefield Research Program, Juneau, AK
- **1979-1981:** Research Assistant, Department of Geography, Oregon State University, Corvallis, OR
- **1978-1979 (summer months):** Hydrologist/Geographer, U.S. Forest Service, Waldport, OR
- **1974-1978:** Teaching Assistant, Department of Geography, Oregon State University, Corvallis, OR
- **1976-1977:** Environmental Scientist, U.S. Environmental Protection Agency, Corvallis, OR
- **1974-1975 (summer months):** Environmental Assistant, V.T.N. Colorado, Inc., Denver, CO
- **1971-1973 (summer months):** Natural Resource Aid, U.S. Bureau of Land Management, Elko, NV

### **HONORS, AWARDS AND SPECIAL RECOGNITION**

- **Appointed Fellow...**
  - **2017 American Association of Geographers (AAG)**
  - **2006 American Association for the Advancement of Science (AAAS)**
  - **1997 Geological Society of America (GSA)**
  - **1995 The Explorers Club (EC)**
  - **1991 Royal Geographical Society (RGS)**
- **2016 Melvin G. Marcus Distinguished Career Award**, Geomorphology Specialty Group, Association of American Geographers
- **2013 Meredith F. Burrill Award**, Association of American Geographers (AAG)
- **2011-2012 Jefferson Science Fellow**, National Academies, U.S. Department of State, Bureau of Intelligence and Research, Office of The Geographer and Global Issues
- **2007 Geosciences Distinguished Alumni Award**, Oregon State University; Corvallis, OR
- **2007 Barry Bishop Distinguished Career Award**, Mountain Geography Specialty Group, Association of American Geographers; San Francisco, CA
- **2006 Appointed University Distinguished Professor**, Kansas State University, Manhattan, KS
- **July 2005-June 2006 Elected President**, Association of American Geographers
- **July 2004-June 2005 Elected Vice President**, Association of American Geographers
- **2004 Sterling L. Burks Award for Outstanding Environmental Research**, OSU Environmental Inst.
- **2003 Ronald F. Abler Distinguished Service Honors**, Association of American Geographers
- **1988 Comprehensive Planning Award**, Texas Chapter of the American Planning Association (contributor to award winning plan by City of El Paso); Austin, TX
- **1984 National Citation Award in Applied Geography (with W.J. Lloyd)**, Association of American Geographers; Washington, D.C.

- **1981 National Warren Nystrom Award for Outstanding Dissertation Research**, Association of American Geographers; Los Angeles, CA
- **1978 Lenora Bayley Memorial Fellowship**, Oregon State University, Corvallis, OR
- **1977 Special Achievement Award**, U.S. Environmental Protection Agency, Corvallis, OR

## TEACHING

### COURSES TAUGHT (\*=team taught)

	Sections Taught	Credit Hours	Avg. No. Students
<b>Lower Division Courses</b>			
Physical Geography (KSU, UW, UTEP)	35	4.0	62
Geology & Human Affairs (OSU)	2	4.0	70
Introduction to Natural Resources (UW)	3	3.0	71
Geography of Wyoming (UW)	1	3.0	9
Geography of Arid West (Oregon State Univ.)	1	3.0	36
Geography of Pacific Northwest (Oregon State Univ.)	1	3.0	65
Geography of United States (Oregon State Univ.)	1	3.0	34
<b>Upper Division Courses</b>			
Geomorphology (OSU, UAS, UW, UTEP)	14	3.0	20
Water Resources (KSU), Major River Basins (UW)	9	3.0	23
Environmental Geology (OSU), Natural Hazards (UW)	7	3.0	30
Remote Sensing (UAS, UTEP)	6	3.0	24
Mountain Geography (KSU, UW)	6	3.0	21
Geology of Groundwater (UTEP)	4	3.0	23
Terrain Analysis (UW)	3	3.0	20
Geography of Water Quality (UW)	1	3.0	18
Research Perspectives in Earth Science (UW)	1	3.0	14
Hydrology (UAS)	1	4.0	12
Planetary Geology (OSU)*	1	3.0	7
<b>Graduate Courses</b>			
Seminar: Human Impacts in Mountains (KSU)	1	4.0	5
Seminar: Environmental Security (KSU)	1	3.0	5
Fluvial Geomorphology (KSU, OSU, UW)	14	3.0	16
Advanced Environmental Geology (OSU)	2	3.0	12
Glacial & Periglacial Environments (OSU, UW, UTEP)	4	3.0	10
Seminar: Geography/Water Resources (UW)*	3	1.0	9
Field Methods: Fluvial Geomorphology (UW)	2	3.0	13
Research Perspectives (KSU, UW)	4	3.0	10
Seminar: Prof. Skills in Geography (KSU)	1	3.0	5
Seminar: Environmental Geography (KSU)	1	1.0	5
Seminar: Global Change (UW)*	1	1.0	4
Field Techniques in Geography (UW)*	1	4.0	9
Digital Image Analysis (UTEP)	1	1.0	9
<b>Teaching</b>			
<b>Students Taught</b>			
Lower Division	2572	2.25	
Upper Division	1276	2.95	
Graduate	411	3.55	
<b>TOTAL</b>	<b>4259</b>	<b>2.59</b>	

**TEACHING IN RECENT ACADEMIC YEARS (exclusive of independent studies, theses/dissertations)**

<b><u>Year</u></b>	<b><u>Semester</u></b>	<b><u>Course No./Title</u></b>	<b><u>Cr. Hrs.</u></b>	<b><u>Enrollment</u></b>
2016	Spring	GEOG 600: Mountain Geography	3	11
		GEOG 725: Geography of Water Resources	3	18
2015	Fall	GEOG 740: Fluvial Geomorphology	3	13
		GEOG 850: Environmental Security	3	5
2014	Spring	GEOG 221: Physical Geography	4	64
		GEOG 840: Sem.--Human Impact in Mountains	3	5
2013	Fall	GEOG 221: Physical Geography	4	39
		GEOG 740: Fluvial Geomorphology	3	9
2013	Spring	GEOG 221: Physical Geography	4	66
		GEOG 725: Geography of Water Resources	3	14
2012	Fall	GEOG 221: Physical Geography	4	44
2011	Spring	GEOG 725: Geography of Water Resources	3	15
2010	Fall	GEOG 221: Environmental Geography 1	4	69
2010	Spring	GEOG 900: Methods/Theories/Models in GEOG	3	5
2009	Fall	GEOG 221: Environmental Geography 1	4	65
2009	Spring	GEOG 850: Human Impacts Geomorphology	3	2
		GEOG 221: Environmental Geography 1**	4	57
2008	Fall	GEOG 725: Geography of Water Resources	3	14
		GEOG 850: Topics in Mountain Geography	1	5
2008	Spring	GEOG 821: Geographic Research & Methods	3	3
2007	Fall	GEOG 221: Environmental Geography 1	4	50
2007	Spring	GEOG 490/850: Fluvial Geomorphology	3	19
2006	Fall	GEOG 600: Mountain Geography	3	30
		GEOG 850: Topics in Environmental Geography	1	5
2006	Spring	GEOG 850: Topics in Environmental Geography	1	5
2005	Spring	GEOL 3503: Environmental Geology*	3	44
		GEOL 3053: Fluvial Geomorphology	3	11
2004	Fall	GEOL 3073: Geomorphology*	3	36
2004	Spring	GEOL 3503: Environmental Geology*	3	40

\*Supervised teaching assistant(s)

\*\*Team-taught

## RESEARCH

### **PUBLICATIONS (exclusive of abstracts)**

#### **A. Edited Books (refereed)**

6. Richardson, D., N. Castree, M.F. Goodchild, A. Kobayashi, W. Liu, and **R.A. Marston** (eds.). 2017. International Encyclopedia of Geography. Wiley: Chichester, ENG 8217 pp. (15 volumes).
5. Legleiter, C.L. and **R.A. Marston** (eds.). 2013. The Field Tradition in Geomorphology. Binghamton Geomorphology Symposium No. 43, Elsevier: Amsterdam, NETH, 192 pp.
4. Stoffel, M. and **R.A. Marston** (eds.). 2013. Mountain and Hillslope Geomorphology. Volume 7 in Shroder, J.F., Jr., Treatise on Geomorphology. Elsevier: Amsterdam, NETH, 396 pp. (978-0-12-374739-6)
3. Giardino, J.R., **R.A. Marston**, and M.A. Morisawa (eds.). 1999. Changing the Face of the Earth--Engineering Geomorphology. Binghamton Geomorphology Symposium No. 28, Elsevier: Amsterdam, NETH, 439 pp.
2. **Marston, R.A.** and V. Hasfurther (eds.). 1994. Effects of Human-Induced Changes on Hydrologic Systems. Proceedings of the 1994 Summer Symposium, American Water Resources Association: Jackson, WY, 1182 pp.
1. Ostresh, L.M, **R.A. Marston** and W.M. Hudson (eds.). 1990. Wyoming Water Atlas. Wyoming Water Development Commission and University of Wyoming: Cheyenne and Laramie, WY, 124 pp.

#### **B. Monographs and Special Issues of Journals**

8. Stoffel, M., B. Wyzga, and **R.A. Marston**. 2016. Floods in Mountain Environments. Geomorphology 272: 1-150.
7. **Marston, R.A.** and T. Halihan. 2007. Geomorphic Adjustment of the Washita River, Washita Battlefield National Historic Site, Oklahoma. Natural Resource Technical Report NPS/NRPC/WRD/NRTR—2007/070. USDI National Park Service, Natural Resource Program Center: Fort Collins, CO, 82 pp.
6. Abrahams, A.D. and **R.A. Marston** (eds.). 1993. Drainage Basin Sediment Budgets--A Collection of Papers Presented at the Third International Geomorphology Conference, Hamilton, Ontario, August 1993. Physical Geography 14(3): 221-224 (special issue).
5. Miller, M.M. and **R.A. Marston** (eds.). 1989. Environment and Society in the Manaslu-Ganesh Region of the Central Nepal Himalaya. Foundation for Glacier and Environmental Research: Moscow, ID, 110 pp.
4. **Marston, R.A.** and D.T. Clarendon. 1988 Land Systems Inventory of the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming. Research Paper MBNF-88-01, USDA Forest Service: Fort Collins, CO, 31 pp. + 7 plates.
3. **Marston, R.A.** 1986. Dust Storm Potential in the Chihuahuan Desert. Contributed Papers, Second Symposium on Resources of the Chihuahuan Desert Region, United States and Mexico, No. 1, Chihuahuan Desert Research Institute: Alpine, TX 14 pp.
2. Lloyd, W.J. and **R.A. Marston**. 1982. Streamflow in the Rio Grande at Fort Quitman. Border Issues and Public Policy Paper, Center for Inter-American and Border Studies, U.T. El Paso: El Paso, TX, 9 pp.
1. Starr, R.M., **R.A. Marston**, and M.J. Hall. 1976: Environmental Sensitivity of Oregon's Coastal Sand Areas. Resource Paper No. 7, Oregon State University, Department of Geography: Corvallis, OR, 48 pp.

**C. Refereed Journal Articles**

41. Marston, R.A., B.M. Gillespie, and D.H. Haire. 2020. Portable controlled field experiments to resolve human impacts in geomorphology. Geomorphology in press doi: 10.1016/j.geomorph.2019.106992
40. Wang, J., C. Song, J.T. Reager, F. Yao, J.S. Famiglietti, Y. Sheng, G.M. MacDonald, F. Brun, H.M. Schmied, R.A. Marston, and Y. Wada. 2018. Recent global decline in endorheric basin water storage. Nature Geoscience 11: 926-932 doi:10.1038/s41561-018-0265-7
39. Ruiz-Villanueva, V., H. Piegay, A. Gurnell, **R.A. Marston**, and M. Stoffel. 2016. Recent advances quantifying the large wood dynamics in river basins: new methods, remaining challenges. Review of Geophysics 54: 611-652 doi: 10.1002/2015RG000514
38. Stoffel, M., B. Wyzga, and **R.A. Marston**. 2016. Floods in mountain environments: a synthesis. Geomorphology 272: 1-9 doi: 10.1016/j.geomorph.2016.07.008
37. Chin, A., L. An, J.L. Florsheim, L.R. Laurencio, **R.A. Marston**, A.P. Solverson, G.L. Simon, E. Stinson, and E. Wohl. 2016. Investigating feedbacks in human-landscape systems: lessons following a wildfire in Colorado, USA. Geomorphology 252: 40-50.
36. Legleiter, C.L. and **R.A. Marston**. 2013. Introduction to the special issue: the field tradition in geomorphology. Geomorphology 200: 1-8.
35. Guneralp, I. and **R.A. Marston**. 2012. Process-form linkages in meander morphodynamics: bridging theoretical modeling and real world complexity. Progress in Physical Geography 36: 718-746.
34. Splinter, D.S., D. Dauwalter, **R.A. Marston**, and W. Fisher. 2011. Watershed morphology of highland and mountain ecoregions in eastern Oklahoma. The Professional Geographer 63(1), 1-13.
33. Splinter, D.K., D.C. Dauwalter, **R.A. Marston**, and W.L. Fisher. 2010. Ecoregions and stream morphology in eastern Oklahoma. Geomorphology 122(1-2), 117-128.
32. Kang, R.S., D.A. Storm, and **R.A. Marston**. 2010. Downstream effects of urbanization on Stillwater Creek, Oklahoma. Physical Geography 31(2), 186-201.
31. **Marston, R.A.** 2010. Geomorphology and vegetation on hillslopes: interactions, dependencies, and feedback loops. Geomorphology 116(3-4), 206-217.
30. **Marston, R.A.** 2008. *Presidential address: land, life, and environmental change in mountains.* Annals of the Association of American Geographers 98(3), 507-520.
29. Dauwalter, D.C., D.K. Splinter, W.L. Fisher, and **R.A. Marston**. 2008. *Biogeography, ecoregions, and geomorphology affect fish species composition in streams of eastern Oklahoma, USA.* Environmental Biology of Fishes 82, 237-249.
28. Degenhardt, J.D., J.R. Giardino, **R.A. Marston**, and A.F. Pitty. 2007. *Possible origin of a blockstream in Tom Mays Canyon, Franklin Mountains, Texas.* Zeitschrift für Geomorphologie 51(3), 377-396.
27. Dauwalter, D.C., D.S. Splinter, W.L. Fisher, and **R.A. Marston**. 2007. *Geomorphology and stream habitat relationships with smallmouth bass abundance at multiple spatial scales in eastern Oklahoma.* Canadian Journal of Fisheries and Aquatic Sciences 64(8), 1116-1129.
26. Kang, R.S. and **R.A. Marston**. 2006. *Geomorphic effects of rural-to-urban land use conversion on three streams in the central Redbed Plains of Oklahoma.* Geomorphology 79(3-4), 488-506 [also republished as the book chapter listed below].
25. **Marston, R.A.**, J.D. Mills, D.R. Wrazien, R. Bassett, and D.K. Splinter. 2005. *Effects of Jackson Lake Dam on the Snake River and its floodplain, Grand Teton National Park, Wyoming, USA.* Geomorphology 71(1-2), 79-98 [also republished as the book chapter listed below].
24. Cornwell, K., D. Norsby, and **R. Marston**. 2003. *Drainage, sediment transport, and denudation rates on the Nanga Parbat Himalaya, Pakistan.* Geomorphology 55(1-4), 25-43.
23. **Marston, R.A.**, J-P. Bravard, and T. Green. 2003. *Impacts of reforestation and gravel mining on the Malnant River, Haute-Savoie, French Alps.* Geomorphology 55(1-4), 65-74.

22. Marcus, W.A., **R.A. Marston**, C.R. Colvard, and R.D. Gray. 2002. *Mapping the spatial and temporal distributions of woody debris in streams of the Greater Yellowstone Ecosystem, USA*. Geomorphology 44(3-4), 323-335.
21. **Marston, R.A.** and L.S. Dolan. 1999. *Effectiveness of sediment control structures relative to spatial patterns of soil loss in an arid upland watershed*. Geomorphology 31(1), 313-324.
20. **Marston, R.A.**, M.M. Miller, and L. Devkota. 1998. *Geocology and mass movement in the Manaslu-Ganesh and Langtang-Jugal himals, Nepal*. Geomorphology 26(1-3), 139-150.
19. Piegay, H. and **R.A. Marston**. 1998. *Distribution of large woody debris along the outer bend of meanders in the Ain River, France*. Physical Geography 19(4), 318-340.
18. **Marston, R.A.**, D.E. Fritz, and V. Nordberg. 1997. *The impact of debris torrents on substrates of mountain streams*. Geomorphologie: Relief, Processus, Environnement 1, 21-32.
17. **Marston, R.A.**, J. Kleinman, and M.M. Miller. 1996. *Geomorphic and forest cover controls on flooding: central Nepal Himalaya*. Mountain Research and Development 16(3), 257-264.
16. Weisrock, A., M. Deshaies, and **R. Marston**. 1995. *Introduction: le colloque "Paleoreseaux Hydrographiques Quaternaires"--centenaire W.M. Davis, 1985-1995*. Revue Géographique de l'Est 3-4, 215-217.
15. **Marston, R.A.**, J. Girel, G. Pautou, H. Piegay, J-P. Bravard, and C. Arneson. 1995. *Channel metamorphosis, floodplain disturbance, and vegetation development: Ain River, France*. Geomorphology 13, 121-131 [also republished as the book chapter listed below].
14. **Marston, R.A.** 1994. *River entrenchment in small mountain valleys of the western USA--influence of beaver, grazing, and clearcut logging*. Revue de Géographie de Lyon 69(1), 11-15.
13. Abrahams, A.D. and **R.A. Marston**. 1993. *Drainage basin sediment budgets--an introduction*. Physical Geography 14(3), 221-224.
12. **Marston, R.A.** and J.E. Anderson. 1991. *Watersheds and vegetation of the Greater Yellowstone Ecosystem*. Conservation Biology 5(3), 338-346.
11. **Marston, R.A.**, L.O. Pochop, G.L. Kerr, M.L. Varuska, and D.J. Veryzer. 1991. *Recent glacier changes in the Wind River Range, Wyoming*. Physical Geography 12(2), 115-123.
10. **Marston, R.A.** and D.H. Haire. 1990. *Runoff and soil loss following the 1988 Yellowstone fires*. Great Plains/Rocky Mountain Geographical Journal 18(1), 1-8.
9. Mills, J.D. and **R.A. Marston**. 1990. *Spatial trends in channel morphology of the Snake River, Grand Teton National Park, Wyoming*. Great Plains/Rocky Mountain Geographical Journal 18(1), 108-117.
8. **Marston, R.A.** 1989. *Particulate and dissolved losses of nitrogen and phosphorus from forest and agricultural soils*. Progress in Physical Geography 13(2), 234-259.
7. **Marston, R.A.**, J.R. Dupuy, and M.S. Raksaskulwong. 1985. *Aquifer modeling with integrated geophysical surveys in an alluvial filled tectonic trough*. Hydrological Science and Technology 1(2), 21-26.
6. Lloyd, W.J. and **R.A. Marston**. 1985. *Municipal and industrial water supply in Ciudad Juarez, Mexico*. Water Resources Bulletin 21(5), 841-849.
5. **Marston, R.A.** and W.J. Lloyd. 1985. *River budget for the Rio Grande, El Paso-Juarez Valley*. Journal of Arid Environments 8(2), 109-119.
4. **Marston, R.A.** 1983. *Supraglacial stream dynamics on the Juneau Icefield*. Annals of the Association of American Geographers 73(4), 597-608.
3. Lloyd, W.J. and **R.A. Marston**. 1982. *Recent streamflow trends in the Rio Grande below El Paso*. Texas Journal of Science 34(2), 137-148.



2. **Marston, R.A.** 1982. *The geomorphic significance of log steps in forest streams.* Annals of the Association of American Geographers 72(2), 99-108.
1. Schmidt, R.H., Jr. and **R.A. Marston.** 1981. *Los Medanos de Samalayuca, Chihuahua, Mexico.* New Mexico Journal of Science 21(2), 21-27.

**D. Refereed Chapters in Books/Monographs**

21. Stoffel, M. and **R.A. Marston.** *Mountain and Hillslope Geomorphology: An Introduction.* Pages 1-3 in: Stoffel, M. and R.A. Marston (eds.). 2013. *Mountain and Hillslope Geomorphology.* Volume 7 (386 pp.) in Shroder, J.F., Jr., Treatise on Geomorphology. Elsevier: Amsterdam, NETH, 6386 pp. (978-0-12-374739-6)
20. Strandhagen, E.R., **R.A. Marston,** and W.A. Marcus. 2012. Flow regimes. Pages 118-19 in: Marcus, W.A., Meacham, J.A., Rodman, A.W., Steingisser, A.Y. (eds.), Atlas of Yellowstone. University of California Press: Berkeley, CA, 274 pp.
19. **Marston, R.A.** 2010. Geomorphology and vegetation on hillslopes: interactions, dependencies, and feedback loops. Pages 206-217 in Hession, W.C., Wynn, T., Resler, L., and J. Curran (eds.), Geomorphology and Vegetation—Interactions, Dependencies, and Feedback Loops. Binghamton Geomorphology Symposium No. 40, Elsevier: Amsterdam, NETH, 170 pp.
18. **Marston, R.A.** 2009. Preface. In: Dort, Jr., W. Historical Channel Changes of the Kansas River and its Major Tributaries. Special Publication No. 42, American Geographical Society: New York, NY, 80 pp.
17. Catlos, E.J., C.S. Dubey, **R.A. Marston,** and M.T. Harrison. 2007. Geochronologic constraints across the main central thrust shear zone, Bhagirathi River (NW India): implications for Himalayan tectonics. Chapter 7 (17 pp.) in Cloos, M., W.D. Carlson, M.C. Gilbert, J.G. Liou, and S.S. Sorenson (eds.). Convergent Margin Terranes and Associated Regions: A Tribute to W.G. Ernst, GSA Special Paper 419: 135-151.
16. Kang, R.S. and **R.A. Marston.** 2006. Geomorphic effects of rural-to-urban land use conversion on three streams in the central Redbed Plains of Oklahoma. Pages 488-506 in James, L.A. and W.A. Marcus (eds.). The Human Role in Changing Fluvial Systems. Binghamton Geomorphology Symposium No. 37, Elsevier: Amsterdam, NETH, 363 pp.
15. **Marston, R.A.,** J.D. Mills, D.R. Wrazien, Bassett, B., and D.K. Splinter. 2005. *Effects of Jackson Lake Dam on the Snake River and its floodplain, Grand Teton National Park, Wyoming, USA.* Pages 79-98 in: Dams and Geomorphology, Beyer, P. (ed.). Binghamton Geomorphology Symposium No. 34, Elsevier: Amsterdam, NETH, 262 pp.
14. **Marston, R.A.** and W.J. Lloyd. 2005. *Geographical hydrology of the El Paso-Ciudad Juarez border region.* Pages 242-248 in: Norwine, J., J.R. Giardino, and S. Krishnamurthy (eds.). Water for Texas. Texas A&M Press: College Station, TX, 271 pp.
13. Marcus, W.A., R.J. Aspinall, and **R.A. Marston.** 2004. *Geographic information systems and surface hydrology in mountains.* Pages 343-379 in Shroder, Jr., J.F. and M.P. Bishop (eds.). Geographic Information Science and Mountain Geomorphology. Springer-Praxis: Chichester, UK, 486 pp.
12. **Marston, R.A.** and D.M. Furin. 2004. *Reclamation of surface coal-mined lands in northwest Colorado.* WorldMinds: Geographical Perspectives on 100 Problems. Chapter 84 (pp. 515-519) in Janelle, D., B. Warf, and K. Hansen (eds.). Kluwer: Dordrecht, NETH, 635 pp.
11. Cornwell, K., D. Norsby, and **R. Marston.** 2003. *Drainage, sediment transport, and denudation rates on the Nanga Parbat Himalaya, Pakistan.* Pages 25-43 in Mountain Geomorphology: Integrating Earth Systems, Butler, D.R., S.J. Walsh, and G.P. Malanson (eds.). Binghamton International Series in Geomorphology 32, Elsevier: Amsterdam, NETH, 398 pp.
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34. Collison, A., W.H. Emmingham, F. Everest, W. Haneberg, **R. Marston**, D. Tarboton, and R. Twiss. 2003. *Phase II Report on Sediment Impairment and Effects on Beneficial Uses of the Elk River and Stitz, Bear, Jordan and Freshwater Creeks*. Humboldt Watersheds Independent Scientific Review Panel, under the auspices of the California North Coast Water Quality Control Board: Santa Rosa, CA, 87 pp.
33. Collison, A., W.H. Emmingham, F. Everest, W. Haneberg, **R. Marston**, D. Tarboton, and R. Twiss. 2002. *Final Report on Sediment Impairment and Effects on Beneficial Uses of the Elk River and Stitz, Bear, Jordan and Freshwater Creeks*. Humboldt Watersheds Independent Scientific Review Panel, under the auspices of the California North Coast Water Quality Control Board: Santa Rosa, CA, 62 pp.



32. **Marston, R.A.** 2002. *Remedial Measures for Eroded Banks along the Little Washita River at the Transok Pipeline Crossing, Grady County, Oklahoma.* Consultant's Report prepared for McKinney and Stringer on behalf of Enogex, Inc.: Oklahoma City, OK, 5 pp.
31. **Marston, R.A.** 2002. *Geomorphic Assessment of the Little Washita River at the Transok Pipeline Crossing, Grady County, Oklahoma.* Consultant's Report prepared for McKinney and Stringer on behalf of Enogex, Inc.: Oklahoma City, OK, 14 pp.
30. **Marston, R.A.** 2001. *Review of the "Salmon Matrix" Prepared for the Pacific Lumber Company as Part of Their Habitat Conservation Plan.* Consultant's Report prepared for the Center for Independent Experts, Cooperative Institute of Marine and Atmospheric Studies, University of Miami: Miami, FL, 16 pp.
29. **Marston, R.A.** 1998. *Aerial Photo Analysis of Potential Hazardous Waste Contamination near Allegan, Michigan.* Consultant's Report prepared for PTI Environmental Services: Boulder, CO, 4 pp.
28. **Marston, R.A.** 1995. *Review of the Streamside Tailings Geomorphic Stability, Silver Bow Creek, Montana.* Consultant's Report prepared for Parcel, Mauro, Hultin & Spaanstra, Attorneys at Law: Denver, CO, 7 pp.
27. **Marston, R.A.** 1994. *Review of the Long Creek Allotment, Beaverhead National Forest, Montana.* Consultant's Report prepared for Dr. Clayton Marlow, Montana State University: Bozeman, MT, 6 pp.
26. **Marston, R.A.** 1986. *Environmental Planning Maps for the City and County of El Paso.* Consultant's Report prepared for El Paso Department of Planning, Research and Development: El Paso, TX, 55 pp. 67 plates.
25. **Marston, R.A.** 1986. *Well Logs for El Paso County, Texas.* Consultant's Report prepared for Charles B. Reynolds, Consultants: Albuquerque, NM, 133 plates.
24. **Marston, R.A.** 1986. *Bibliography of Water Resources in the El Paso Border Region* (update of 1985 edition). Consultant's Report prepared for Lee Wilson and Associates: Santa FE, NM, 52 pp.
23. **Marston, R.A.** 1985. *Penman Potential Evapotranspiration Calculations and Related Climate Data for El Paso, Texas.* Consultant's Report prepared for Lee Wilson and Associates: Santa Fe, NM, 25 pp.
22. Cardenas and Associates (contributing author) 1985. *Environmental Assessment of a Proposed U.S. Border Patrol Station and Bus Maintenance Facility.* Consultant's Report prepared for U.S. Border Patrol: El Paso, TX.
21. **Marston, R.A.**, W.J. Peeples, and M. Raksaskulwong. 1985. *Electrical Surveys for Groundwater in the Vicinity of the Mountain Shadow Lakes Project, El Paso County, Texas.* Consultant's Report prepared for Horizon Communities Improvement Association: El Paso, TX, 19 pp.
20. **Marston, R.A.** 1985. *Potential Groundwater Supply from a Parcel of Land One-Half Mile Northwest of Fabens, Texas.* Consultant's Report prepared for Jan-Car, Inc.: El Paso, TX, 16 pp.
19. Cardenas and Associates (contributing author) 1985. *Environmental Assessment of a Proposed Solid Waste Disposal Site at Kirtland Air Force Base, New Mexico.* Consultant's Report prepared for U.S. Air Force: Kirtland Air Force Base, NM, 19 pp. + app.
18. **Marston, R.A.** 1985. *Remote Sensing and Drainage Texture Analysis: North-Central Kimble County and South-central Menard County in Texas.* Consultant's Report prepared for M.T. Aiken, Consulting Petroleum Geologist: San Angelo, TX, 7 pp. + plates.
17. Lloyd, W.J. and **R.A. Marston.** 1985. *Water Well Development Options in the Vicinity of Dell City, Texas.* Consultant's Report prepared for City of Dell City: Dell City, TX, 22 pp.
16. **Marston, R.A.** 1985. *Geology Report: Application for Texas Department of Water Resources Part B Permit, Border Steel Mills Hazardous Waste Facilities.* Consultant's Report prepared for Danny R. Anderson, Consultants: El Paso, TX, 37 pp.
15. **Marston, R.A.**, W.J. Lloyd, and J.R. Dupuy. 1985. *Water Resources of the Hueco Bolson-Tularosa Basin, Mesilla Bolson-Lower Rio Grande, and Trans-Pecos Region of Texas: Annotated Bibliography*

- and Selected Abstracts.* Consultant's Report prepared for Lee Wilson and Associates: Santa Fe, NM, 212 pp.
14. **Marston, R.A.** and W.J. Lloyd. 1984. *Potential Groundwater Supply in the Vicinity of Horizon Lake, El Paso County, Texas.* Consultant's Report prepared for Horizon Communities Improvement Association: El Paso, TX, 31 pp.
  13. Lloyd, W.J. and **R.A. Marston.** 1984. *Municipal and Industrial Water Supply in Ciudad Juarez, Mexico: Current Status and Future Prospects.* Consultant's Report prepared for Ford Motor Company: Dearborn, MI, 67 pp.
  12. **Marston, R.A.** 1984. *Geomorphic Assessment of the Breach of the Graveyard Wash Outlet Channel near Safford, Arizona, in November, 1978.* Consultant's Report prepared for Michael A. Carragher, Attorney at Law: Douglas, AZ, 36 pp.
  11. **Marston, R.A.** 1984. *Potential for Migration of Hazardous Waste Constituents from Proler International Corporation facilities to Water Supply Wells or Surface Water.* Consultant's Report prepared for Danny R. Anderson, Consultants: El Paso, TX, 39 pp.
  10. **Marston, R.A.** 1983. *Watershed Analysis in the Vicinity of the ASARCO Smelter, El Paso, Texas.* Consultant's Report prepared for Sergeant, Hauskins, and Beckwith: Phoenix, AZ, 2 pp. + maps.
  9. Danny R. Anderson Consultants (contributing author) 1982. *Site Suitability Study for the Northeast El Paso (McCombs) Landfill Expansion.* Consultant's Report prepared for City of El Paso Engineering Dept.: El Paso, TX, 21 pp. + app.
  8. **Marston, R.A.** 1982. *Potential for Migration of Hazardous Waste Constituents from Border Steel Mills to Water Supply Wells or Surface Water.* Consultant's Report prepared for Danny R. Anderson, Consultants: El Paso, TX, 14 pp. + app.
  7. **Marston, R.A.** 1982. *Compliance by Border Steel Mills with Texas New Industrial Solid Waste Management Rules.* Consultant's Report prepared for Danny R. Anderson, Consultants: El Paso, TX, 5 pp. + app.
  6. **Marston, R.A.** 1981. *Compliance by Steere Tank Lines with Texas New Industrial Solid Waste Management Rules.* Consultant's Report prepared for Danny R. Anderson, Consultants: El Paso, TX, 5 pp. + app.
  5. V.T.N. Colorado, Inc. (contributing author) 1976. *Preliminary Reclamation and Revegetation Design Criteria for the Colowyo Coal Mine.* Consultant's Report prepared for W.R. Grace and Company: Denver, CO, 56 pp.
  4. V.T.N. Colorado, Inc. (contributing author) 1975. *Environmental Impact Assessment--Proposed Molybdenum Facility, Custer County, ID.* Consultant's Report prepared for Tuscarora Mining Corp: Los Angeles, CA, 346 pp. + app.
  3. V.T.N. Colorado, Inc. (contributing author) 1975. *Socioeconomic and Environmental Land Use Survey, Moffatt and Rio Blanco Counties, CO.* Consultant's Report prepared for W.R. Grace and Company: Denver, CO, 179 pp. + app.
  2. V.T.N. Colorado, Inc. (contributing author) 1974. *Draft Environmental Impact Statement for the Proposed Colowyo Mine of Colowyo Coal Company.* Consultant's Report prepared for W.R. Grace and Company: Denver, CO, 179 pp. + app.
  1. V.T.N. Colorado, Inc. (contributing author) 1974. *Environmental Assessment Report for the Emory Mine Project.* Consultant's Report prepared for Consolidation Coal Company and Kemmerer Coal Company: Denver, CO, 118 pp. + app.

**CONTRACTS & GRANTS (total = \$2,454,000)**

44. **2012-13.** *The Field Tradition in Geomorphology: 43<sup>rd</sup> Annual Binghamton Geomorphology Symposium.* co-PI (with Carl Legleiter as lead-PI), grant from National Science Foundation, Geography and Spatial Sciences Program (NSF-GSS), and Geomorphology and Land Use Dynamics Program (NSF-GLD): \$33,954
43. **2010-11.** *Cross-Valley Profiles and Mass Movement Hazards in Deglaciaded Canyons, Grand Teton National Park.* PI (with Brandon Weihs as co-PI), grant from University of Wyoming-National Park Service Research Station: \$5000.
42. **2006-2010.** *Land and Stream Sediment Process Restoration in an Agricultural Watershed.* Co-PI (with Kyle Mankin as PI and Tim Keane, Dan Devlin, Phil Barnes, Jeff Neel, Mike Christian, Bill Hargrove as other co-PIs), grant from U.S. Department of Agriculture (USDA), Cooperative State Research, Education, and Extension Service (CSREES): \$598,000.
41. **2004-2005.** *Moving Mountains: Extremely Rapid Uplift and Denudation of the Garhwal Himalaya, NW India* (with E.J. Catlos), grant from Oklahoma EPSCoR: \$13,200
40. **2004-2006.** *Fluvial Geomorphology and Freshwater Mussels: Kiamichi River, Southeastern Oklahoma.* Co-PI (with W. Fisher), grant from the Oklahoma Department of Wildlife Conservation (ODWC): \$69,333.
39. **2003-2005.** *Geomorphic Adjustment of the Washita River, Washita Battlefield National Historic Site, Oklahoma.* PI (T. Halihan, co-I), grant from National Park Service (NPS; funded through USGS, Oklahoma Cooperative Fish and Wildlife Research Unit): \$90,936
38. **2002-2005** *U.S.-India Cooperative Research: Investigation of Activity along the Himalayan Main Central Thrust--Present Geomorphology and Past Slip, Garhwal, NW India.* Co-PI (E.J. Catlos, PI), grant INT-0217598 from National Science Foundation (NSF), International Program (Africa, Near East & S. Asia): \$36,000
37. **2002-2004** *NSF-REU Site: New Frontiers—Research Experience for Undergraduates in Space and Planetary Sciences.* Co-PI (with D. Sears, T. Kral), grant from National Science Foundation (NSF), Special Programs in Astronomy (AST): \$210,810 (\$70,770 subcontract to OSU)
36. **2002-2005** *Factors Influencing Fish Populations in Oklahoma Waters.* Co-PI (with W. Fisher), grant from the Oklahoma Department of Wildlife Conservation (ODWC): \$150,000.
35. **2001-2005** *Hypothesis-Based Learning in Earth Science for Middle School Teachers.* Co-PI (with T. Wikle, J. Puckette), grant from U.S. Department of Education, Star Schools Program: \$602,726 (incl. \$199,727 OSU match) (Earth Science Team portion of total grant of \$5.2 million)
34. **2001-2002** *Ridge and Furrow Morphology of Rock Glaciers: Implications for Water on Mars.* PI, grant from University of Arkansas-Oklahoma State University Center for Space and Planetary Sciences; \$14,890
33. **2000-2001** *Geomorphology and Sedimentology of the Canadian River Alluvium Adjacent to the Norman Landfill, Norman, Oklahoma.* Co-PI (with S.T. Paxton), grant from U.S. Geological Survey and Oklahoma Water Resources Research Institute; \$42,289 + \$84,578 match = \$126,867
32. **1999-2000** *Spatial-Temporal Distribution of Large Woody Debris Accumulations in the Snake River, Grand Teton National Park, Wyoming.* PI, grant from National Park Service; \$4,500.

31. **1999** *Water Quality Monitoring Protocols for Wyoming Streams* Co-PI (K.J. Reddy, PI), grant from Wyoming Department of Environmental Quality; \$27,636
30. **1995-1997** *Collaborative Research: Crustal Reworking during Orogeny--An Active Himalayan Perspective*. Sub-contractor (P. Zeitler, Lehigh University, PI), grant EAR-9418839 from National Science Foundation, Continental Dynamics Program; \$2,094,987 (\$19,311 to UW)
29. **1996, 1995, 1989, 1985, 1981, 1980** *Expeditionary Training and Research Participation in Arctic and Mountain Sciences, Summer Institute of Glaciological and Arctic Sciences*. Academic Staff, Juneau Icefield Research Program; stipend and funds for field expenses awarded by the National Science Foundation, University of Idaho, Foundation for Glacier and Environmental Research; Juneau Icefield, AK-BC; \$4,580
28. **1995-1996** *Workshop for K-12 Teachers on "Wilderness and Water"* Co-Principal Investigator (with L. Marston and R. Beiswenger), grant from U.S. Environmental Protection Agency Environmental Education for Teachers Program; \$5,872
27. **1994-1995** *Participation in an International Conference and Research Collaboration in France*. French Ministry of Foreign Affairs (\$500); Université de Paris I-Pierre Birot, Laboratoire de Géographie Physique (\$600); International Travel Grant, University of Wyoming International Programs Office (\$1,400); Faculty Growth Award, University of Wyoming Alumni Association (\$400); total = \$2,900
26. **1992-1993** *Floodplain Disturbance and Landscape Diversity: Upper Rhone River, France*. Principal Investigator, Fulbright Research Award from J. William Fulbright Foreign Scholarship Board, U.S. Information Agency, U.S. Council for International Exchange of Scholars, and Franco-American Commission on Educational Exchange; FF126,000 = \$24,000
25. **1992-1993** *Forest Management, Channel Adjustment, and Sediment Transport in Forest Streams of the Wyoming-Colorado Rocky Mountain Region*. Principal Investigator, grant from USDA Rocky Mountain Forest and Range Experiment Station; \$31,395
24. **1989-1993** *Changes in Geomorphic Processes in the Snake River Following Impoundment of Jackson Lake and Potential Changes due to 1988 Fires in the Watershed*. Principal Investigator, grant from National Park Service (NPS); \$68,921
23. **1992** *Floodplain Disturbance and Landscape Diversity: Araguaia River, Goias, Brazil*. Co-Principal Investigator (R. Pace and G. Brown, Co-PIs), Grant from Office of Research, University of Wyoming, and Partners for the Americas, U.S. Agency for International Development; \$13,000
22. **1990-1991** *Water Conflicts in the El Paso Border Region*. Principal Investigator, Basic Research Grant from University of Wyoming College of Arts & Sciences Central Committee; \$1,750
21. **1989-1990** *Impact of the 1988 Yellowstone Region Fires on Upland Runoff and Soil Loss*. Principal Investigator, grant from Chevron U.S.A., Inc.; \$10,000
20. **1988-1990** *Computer Generated Wyoming Water Atlas*. Co-Principal Investigator (with L.M. Ostresh), grant from Wyoming Water Development Commission (WWDC); \$101,463
19. **1989-1990** *Water Storage in Dinwoody Glacier: Implications for Future Water Supplies*. Co-Principal Investigator (with L.O. Pochop and G.L. Kerr), State Grant-in-Aid from Wyoming Water Research Center (WWRC) and State of Wyoming; \$28,000
18. **1988-1989** *Recent Trends in Glacier and Snowmelt Runoff, Wind River Range, Wyoming*. Co-Principal Investigator (with L.O. Pochop and G.L. Kerr), State Grant-in-Aid from Wyoming Water Research Center and State of Wyoming; \$16,932

17. **1988** *Mass Wasting in the Manaslu-Ganesh and Langtang-Jugal Himal of Central Nepal*. Principal Investigator; travel grant from National Academy of Sciences-National Research Council to present a paper at the 26th International Geographical Congress in Sydney, Australia; \$1,000
16. **1987-1988** *Channel Maintenance Flows in the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming*. Principal Investigator, contract with U.S. Forest Service (USFS), Medicine Bow National Forest; \$9,820
15. **1987-1988** *A Land Classification of the Medicine Bow Mountains and Sierra Madre, Medicine Bow National Forest, Wyoming*. Principal Investigator, contract with U.S. Forest Service (USFS), Medicine Bow National Forest; \$9,720
14. **1987-1988** *Effect of Terrain Type, Channel Morphology and Watershed Morphometry on Upland Production of Sediment, Fifteenmile Creek Watershed, Wyoming*. Principal Investigator, matching grant from U.S. Geological Survey (USGS) and Wyoming Water Research Center (WWRC); \$33,975
13. **1987-1988** *A Geomorphic Approach to Estimating Peak Flows in Ungaged Mountain Streams, Survey of Mass Wasting, Modeling of Streamflow Controlled by Glacial Meltwater, and a Sediment Budget for a Small Disturbed Subalpine Catchment*. Research Scientist, University of Idaho Geological Expedition to the Manaslu-Ganesh Himal, Nepal; grants, travel funds, and publication costs from Foundation for Glacier and Environmental Research (\$3,265), Wyoming Water Research Center (\$1,600), UW College of Arts & Sciences Basic Research Grant (\$1,650), and Department of Geography & Recreation (\$535); total = \$7,050
12. **1987** *Mapping of Erosion Response Units in the Fifteenmile Creek Watershed of North-Central Wyoming*. Principal Investigator, grant from Wyoming Water Research Center (WWRC); \$3,298
11. **1985-1987** *Controlled Field Experiments to Assess Magnitude and Persistence of Maneuver Impacts on Aeolian Form and Process*. Principal Investigator, contract with U.S. Army, Ft. Bliss Military Reservation; \$27,800
10. **1984** *Late Quaternary Landform Evolution of the Langtang Valley and Helambu Region in Himalayas of Nepal*. Research Scientist, University of Idaho Geological Expedition to Langtang Valley and Helambu region, Nepal Himalayas; U.T. El Paso Faculty Development Grant and Department of Geological Sciences Gift Fund; \$1,800
9. **1984** *Threshold Slope Roughness for Rill and Gully Erosion in Los Alamos National Environmental Research Park*. Principal Investigator, stipend awarded by Associated Western Universities; \$2,814
8. **1983-1984** *Dust Storm Potential in the Chihuahuan Desert, United States and Mexico*. Principal Investigator, U.T. El Paso Mini-Grant; \$423
7. **1983-1984** *Computer Modeling of Trans-Border Groundwater Resources*. Principal Investigator, U.T. El Paso Research Grant; El Paso, TX; \$700
6. **1983** *Groundwater Survey and Water Resource Development Options for Southeast El Paso County*. Principal Investigator, grant from Horizon Communities Improvement Association (HCIA); \$85,800
5. **1982-1983** *Integrated Geophysical-Landsat Survey for Mineral Occurrence in the Hardeman Basin, Oklahoma-Texas*. Co-Investigator (G.R. Keller, Principal Investigator), gift to U.T. El Paso Geophysics Gift Fund from Durham, Inc.; \$10,000
4. **1981-1983** *Assessment of Maneuver-Caused Wind Erosion Impacts in the Tularosa Basin of Southern New Mexico*. Principal Investigator, contract with U.S. Army, Ft. Bliss Military Reservation; El Paso, TX; \$36,825

3. **1981-1982** *International Implications of Groundwater Development in the Mesilla Bolson*. Co-Principal Investigator (with W.J. Lloyd), U.T. El Paso Faculty Research Grant; \$2,000
2. **1980-1981** *Geographic Analysis of Long-Term Streamflow Trends in the Rio Grande Below El Paso, Texas*. Co-Principal Investigator (with W.J. Lloyd), U.T. El Paso Faculty Research Grant; \$1,430
1. **1978-1980** *Geomorphic Significance of Log Steps in Forest Streams of the Oregon Coast Range*. Principal Investigator; cooperative agreement with U.S. Forest Service, Siuslaw National Forest, and USDA Pacific Northwest Forest and Range Experiment Station; \$13,655

## SERVICE

### PROFESSIONAL AFFILIATIONS AND ACTIVITIES

#### **A. Membership/Fellowship/Service in Professional and Honorary Societies**

- American Association for the Advancement of Science (AAAS): Fellow since 2005
- American Association of Geographers (AAG): Member since 1976; Life Member since 2007; Fellow since 2018
  - 2018-23 Appointed Chair, Selection Committee for AAG Wilbanks Award for Transformational Research in Geography
  - 2013-14 Appointed Chair, AAG Honors Committee
  - 2012-15 Elected Member, Honors Committee
  - 2006-2013 Appointed member of Editorial Board, *Annals of the Association of American Geographers*
  - 2009-12 Appointed Member of Awards Committee, Mel Marcus Fund for Physical Geography
  - July 2006-June 2007 AAG Past President
  - July 2005-June 2006 Elected AAG President
  - July 2004-June 2005 Elected AAG Vice President
  - 2003 Co-Leader (with Dr. S. Stadler) on field trip for AAG Southwest Division Meeting, 25 October 2003
  - July 1997-June 1998 Elected AAG Secretary
  - July 1997-June 1999 Elected AAG Regional Councilor, Great Plains-Rocky Mountain Division
  - 1992-1995 Appointed Member, American Geomorphological Coordinating Board, Association of American Geographers and Geological Society of America
  - 1991-1993 Appointed Associate Editor for Physical Geography, *Annals of the Association of American Geographers*
  - 1992 Appointed Chair, Awards Committee, AAG Geomorphology Specialty Group (Member of Awards Committee 1990-1992)
  - 1991-92 Elected Chair, AAG Great Plains-Rocky Mountain Division (Vice-Chair for 1990); organized annual meeting of the AAG-GPRM Division in Laramie; 5-7 September 1991
  - 1986-87 Elected Chair, AAG Geomorphology Specialty Group (Secretary-Treasurer for 1985-86)
- American Geographical Society (AGS): Fellow since 2017
- American Geophysical Union (AGU): Life Member since 1995
- American Institute of Hydrology (AIH): Certified Professional Hydrologist since 1984, recertified 2003
- Explorers Club (EC): Fellow National since 1995
- Geological Society of America (GSA): Member 1983-1996, Fellow since 1997
  - 1996-2000 Volunteer Service to Partners for Education Program (PEP), Geological Society of America
- Royal Geographical Society (RGS): Fellow since 1991
- Sigma Xi, Honorary Scientific Research Society: Member since 1980
  - 1986 Elected President, U.T. El Paso Chapter (Vice President for 1985)

**B. Other Professional Service**

- **2012-13** Appointed Member, Scientific Committee, 8<sup>th</sup> International Conference on Geomorphology; Paris, France; 27-31 August 2013
- **2010** Elected Vice President, University Distinguished Professors, Kansas State University, July 2010-June 2011
- **2001-07** Appointed Member, Geosciences Board of Advisors, Oregon State University
- **1995-present:** Appointed Member, Steering Committee, Binghamton International Symposia in Geomorphology
- **1993-1995:** Appointed Member, Scientific Committee, Conference on *Quaternary Paleodrainage Systems*, Unité de Formation et de Recherche des Sciences Historiques et Géographiques, Université de Nancy II, Nancy, France; 6-8 September 1995
- **1993-1995:** Appointed Member, Scientific Committee, Conference on *Floods, Slopes and River Beds*, Laboratoire de Géographie Physique, Universités de Paris I et Paris VIII, Paris, France; March 1995
- **1992-1994:** Appointed Co-Chair, Technical Program Committee, 1994 Spring Symposium, American Water Resources Association in Jackson, WY; 24-26 June 1994

**C. Review/Editorial Boards**

12. Co-Editor-in-Chief, *Geomorphology*, 1999-2018
11. Appointed Member, Editorial Board, *The Geographical Review*, 2012-14
10. Appointed Member, Editorial Board, *Annals of the Association of American Geographers*, 2006-13
9. Appointed Member, Editorial Board, *Geography Compass*, 2008-10
8. Member (appointed), Science Advisory Council, Greater Yellowstone Coalition, 1988-1996
7. Member (appointed), Editorial Board, *Journal of Geography*, 1988-1999
6. Member (invited), National Science Foundation Research Workshop on Infrastructure Needs in Geography and Regional Science; Los Angeles, CA; 6/2/98
5. American Correspondent (appointed), Comité de Direction, *Annales de Géographie*, 1995-1996
4. Associate Editor for Physical Geography (appointed), *Annals of the Association of American Geographers*, 1991-93
3. Member (appointed), Awards Committee, Geomorphology Specialty Group, Association of American Geographers, 1990-93
2. Member (appointed), Committee of Visitors to review the Geography and Regional Science Program, National Science Foundation, 1991
1. Member (appointed), Editorial Board, *Great Plains-Rocky Mountain Geographical Journal*, 1990-91

**D. Grant Review Panels**

7. Member, Doctoral Dissertation Research Improvement Advisory Panel, National Science Foundation, Geography and Regional Science Program, Spring 2003 – Fall 2004 (4 sessions): reviewed 58 proposals
6. Member, EPA Graduate Fellowships in Geology Program: 2004, 2002
5. Member, Peer Review Committee for Evaluation of Colorado River Recovery Program: 1998-1999



4. Member, NSF Integrated Graduate Education and Research Training Program (IGERT) Panel: 1998
3. Member, EPA-NSF-USDA Water and Watersheds Peer Review Panel: 1998, 1997
2. Member, Geography and Regional Science Advisory Panel, National Science Foundation: 1993-95
1. Chair, Review Panel for 1987 Wyoming Water Research Center State Grants-in-Aid: 1987

**E. Review of Grant Proposals (230)**

- American Chemical Society, Petroleum Research Fund: 2009, 1987
- American Philosophical Society: 1998
- Graduate Women in Science: 2013
- Guggenheim Foundation: 2007, 2006, 2001
- Montana Agricultural Experiment Station: 1989
- Montana Water Research Center: 1987, 1986
- National Academies, Jefferson Science Fellowship Program: 2014(5), 2013(5)
- National Fish and Wildlife Foundation: 1995
- National Geographic Society, Committee on Research and Exploration: 2013, 2012, 2011(2), 2009(2), 2001, 1996, 1994, 1993, 1989
- National Science Foundation, Arctic Natural Sciences: 2002
- National Science Foundation, Climate Dynamics Program: 1996 (2)
- National Science Foundation, EPSCOR/IDAHO Program: 1985
- National Science Foundation, EPSCOR/MONTS Program: 1993, 1992, 1989
- National Science Foundation, Frontiers in Earth System Dynamic (FESD) Program: 2013, 2011
- National Science Foundation, Geography & Spatial Sciences Program (152 total): 2012(3), 2009(3), 2007, 2006, 2005(2), 2004(31), 2003(29), 2002 (CAREER), 2001, 2000, 1997, 1996, 1995(23), 1994(34), 1993(16), 1992(2), 1991(2), 1989
- National Science Foundation, Geology & Paleontology Program: 1997
- National Science Foundation, Geomorphology and Land Use Dynamics Program: 2012, 2011(2), 2010, 2009 (2), 2005
- National Science Foundation, Hydrologic Sciences Program: 2002 (CAREER), 1998, 1997(2)
- National Science Foundation, Integrative Graduate Education and Research Training (IGERT) Program: 1998(8)
- National Science Foundation, International Programs: 1995
- National Science Foundation, Office of International Science and Engineering: 2011
- National Science Foundation, Paleo Perspectives on Climate Change Program: 2008
- National Science Foundation, Polar Studies Program: 1986
- Oklahoma Water Resources Research Institute: 2010, 2004
- Swiss National Science Foundation: 2011, 2010
- University of Wyoming-National Park Service Research Center: 1991(2)
- University of Wyoming, Abandoned Coal Mine Lands Research Program: 1996, 1994, 1992, 1990
- U.S. Geological Survey, North-Central Region Competitive Grants: 1998
- Utah Water Research Laboratory: 1992

**F. External Reviewer: Applications for Reappointment, Tenure and/or Promotion (72)**

- Arizona State University, Department of Geography: 2016 (expedited tenure), 1987 (sabbatical leave proposal)
- Dartmouth College, Department of Geography (tenure & promotion): 2002
- East Carolina University, Department of Geography (tenure & promotion): 2008, 2006, 2001
- George Mason University, Department of Earth Systems and Geoinformation Sciences (promotion): 2010
- Georgetown University (promotion): 2015
- George Washington University, Department of Geography (tenure & promotion): 2004
- Kansas State University, Department of Geography: 1995 (tenure & promotion review), 1993 (mid-probationary tenure & promotion review)
- Michigan State University, Department of Geography (tenure & promotion): 2000
- Minnesota State University, Department of Geography (promotion): 2009, 2005
- Missouri State University, Department of Geography, Geology & Planning (promotion): 2006
- Montana State University, Department of Earth Sciences (tenure & promotion): 1994, 1989
- New Jersey Institute of Technology, Department of Chemistry & Environmental Science (promotion application): 2005
- Ohio University, Department of Geography: 2009 (tenure and promotion), 2003 (promotion)
- Oregon State University, Department of Geosciences (tenure & promotion): 2005, 1998, 1997
- Purdue University, Department of Atmospheric and Earth Sciences (promotion): 2000
- Syracuse University, Department of Geography (tenure & promotion): 2016, 2010
- Texas A&M University, Department of Geography (tenure & promotion): 2001, 2000, 1994
- Texas State University, Department of Geography (tenure & promotion): 2005
- University of Alabama, Department of Geography (tenure & promotion): 1992
- University of Alaska Southeast, Department of Natural Sciences: 2007 (promotion), 2001 (tenure & promotion)
- University of Arkansas, Department of Geosciences (promotion): 2014
- University of Buffalo, Department of Geography (tenure & promotion): 2016, 2006
- University of California at Los Angeles, Department of Geography (promotion): 2004
- University of Colorado at Denver, Department of Geography & Environmental Sciences: 1997 (tenure & promotion), 1995 (reappointment)
- University of Connecticut: 2017 (tenure & promotion)
- University of Delaware (tenure & promotion): 2010
- University of Denver, Department of Geography (promotion): 2009
- University of Georgia, Department of Geography: 2006 (tenure & promotion), 2003 (promotion)
- University of Idaho, Department of Geography (promotion): 1994
- University of Louisville, Department of Geography and Geosciences (tenure & promotion): 2004
- University of Memphis, Department of Earth Sciences/Geography (tenure & promotion): 2004
- University of Michigan-Dearborn (tenure and promotion): 2017
- University of Minnesota, Department of Geography (tenure & promotion): 2009, 2007
- University of Missouri at Columbia, Department of Geography (tenure & promotion): 2005
- University of Nebraska-Omaha, Department of Geography and Geology (promotion): 2005
- University of North Carolina, Department of Geography (tenure & promotion): 2005

- University of North Carolina at Charlotte, Department of Geography and Earth Sciences (tenure & promotion): 2008
- University of Oregon: 2019 (promotion)
- University of South Alabama: 2014 (tenure & promotion)
- University of South Carolina, Department of Geography (tenure & promotion): 2006, 2005, 1992
- University of Tennessee: 2017 (promotion)
- University of Texas: 2012 (tenure & promotion)
- University of Texas at San Antonio: 2014 (promotion)
- University of Utah, Department of Geography: 2008 (third-year reappointment), 2005 (tenure and promotion), 2004 (five-year review)
- Utah State University, Department of Geography and Earth Resources (tenure & promotion): 1995
- U.S. National Academies, Jefferson Science Fellowship Program (external review of applications): 2013(5)
- Virginia Tech University: 2009 (tenure & promotion), 2019 promotion

**G. External Reviewer of Programs (5)**

- University of Missouri, Department of Geography (program review): 2016
- University of Kentucky, Department of Geography (program review): 2010
- Northern Illinois University, Department of Geography (program review): 2009
- Texas A&M University, Office of the Provost (proposal for new graduate degree in Water Management & Hydrological Sciences): 2004
- University of Oklahoma, Department of Geography (program review): 2003

**H. Manuscript Refereeing (272 plus 3355 mss. handled as Editor-in-Chief of *Geomorphology*)**

- *Advances in Geoecology*: 1995
- *American Water Resources Association Proceedings*: 1994(110)
- *Annals of the Association of American Geographers*: 2015, 2013(2), 2011(2), 2010, 2009, 2008, 2006, 1995, 1993(6), 1992(20), 1991(3), 1989
- *Applied Geography Conference Proceedings*: 2007, 2006
- Binghamton International Series in Geomorphology: 1991
- Blackwell Publishers: 2002 (draft book chapter)
- *Bulletin of Geological Society of America*: 1988, 1987
- *Catena*: 1993
- Dover Publications, Inc.: 1992 (text reprint)
- *Earth Surface Processes and Landforms*: 2019, 2010, 2009, 2007, 1999, 1998(2), 1997, 1996
- *Environmental Management*: 2012, 2009
- *Geocarto International*: 2006, 2003
- *Geographical Review*: 2014(2), 2013(2), 1998
- *Geojournal*: 2009
- *Geomorphology* (as a reviewer, not incl. editing): 2013, 1997(20), 1996, 1995, 1992
- *Great Plains-Rocky Mountain Geographical Journal*: 1990(2)
- Holt, Rinehart and Winston: 1997 (chapters for earth science text)
- *International Journal of Disaster Risk Reduction*: 2012

- *Journal of the American Water Resources Association* (formerly *Water Resources Bulletin*): 2010, 1986, 1984, 1982
- *Journal of Environmental Management*: 2006, 2004
- *Journal of Geography*: 1997, 1993, 1992, 1991(2), 1990, 1988
- *Journal of Geology*: 1997
- *Journal of Geophysical Research*: 2002
- *Journal of Hydrologic Engineering*: 2014, 2013, 2011, 2010
- *Mountain Research and Development*: 2005, 2004, 1995, 1991
- National Academy of Sciences, National Research Council, Division on Earth and Life Studies, Board on Earth Sciences and Resources: 2009
- National Park Service Proceedings Series: 1993
- Oregon State University Press: 2002 (book chapter)
- *Physical Geography*: 2003, 1999(2), 1995
- Prentice-Hall: 2002 (chapters for physical geography textbook), 1989 (chapters for environmental geology textbook), 1989 (chapters for physical geology textbook)
- *Proceedings of the Conference on Floods, Slopes and River Beds*: 1995 (6)
- *Proceedings of the International Symposium on Land Subsidence*: 1990\*
- *Remote Sensing*: 2009
- *Science*: 1994
- *The Geographical Bulletin*: 2006
- *The Professional Geographer*: 2007, 2003(2), 1987
- *Transactions, American Fisheries Society*: 1992
- U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Western Ecology Division: 2005 (map and legend)
- U.S. Fish and Wildlife Service, Colorado River Endangered Fish Recovery Program (Research Prospectus): 1999, 1998
- U.S. Geological Survey: 1984 (Open-File Report), 1983 (Professional Paper)
- University of California Press: 2011 (pre-publication review of book)
- *Water Resources Research*: 1998
- West Educational Publishing: 1987 (textbook on physical geography)
- West Virginia University Press: 2004 (draft of book)
- Wiley: 2007 (book proposal), 2000 (book, CD), 1998 (book proposal), 1998 (book chapter), 1997 (book chapter), 1993 & 1994 (book proposals)
- Wm. C. Brown Publishers: 1986 (text on environmental geology), 1985 (text on physical geology)

**TRAVEL OUTSIDE THE USA & CANADA**

- **Antarctica**: 2019 (field excursion)
- **Australia**: 2004 (independent scientific review panel to Narran Lakes), 1988 (professional meeting, field excursion)
- **Brazil**: 1992 (field expedition on Rio Araguaia)
- **Costa Rica**: 1977 (field excursion)
- **France**: 2013 (professional meeting), 2007 (workshop, field excursion), 1995 (2 professional meetings, seminar presentation, field research), 1993 (Fulbright research), 1992 (professional meeting, field excursion), 1984 (professional meeting, field excursion)

- **Netherlands, Germany:** 2007 (field excursion), 1989 (professional meeting, field excursion)
- **Iceland:** 1998 (field excursion)
- **India:** 2003-05 (field research in Garhwal Himalaya)
- **Italy/Switzerland/Belgium/Luxembourg:** 2014 (sabbatical appointment), 2013 (field excursion), 2003 (professional meeting, field excursion), 1997 and 1993 (professional meetings), 1984 (field excursion)
- **Monaco:** 1993 (professional meeting)
- **Mexico:** 1980-86 (field research, class field excursions in Sierra Madre)
- **Nepal:** 2017 (field expedition to Solukhumbu), 2013 (workshop), 2012 (professional meeting, field excursion to Solu Khumbu), 1987 (field expedition to Manaslu-Ganesh himals), 1984 (field expedition to Langtang Himal)
- **Pakistan:** 2006 (field expedition to Nanga Parbat and international workshop)
- **Peoples Republic of China:** 2006 (workshop and field excursion in Tibet), 1999 (professional meeting, field excursion on Yangtze River)
- **Poland:** 2014 (professional meeting and field excursion)
- **United Kingdom:** 1993 (invited seminar and field excursion), 2010 (professional meeting), 1984 (field excursion), 1981 (field excursion)

**COMMITTEES (University, College, Department)**

**University Service, year(s)**

- Member, Selection Committee, KSU University Distinguished Professors Graduate Student Award, 2013-2014
- Judge for 2011 K-State Research and State Poster Forum, Humanities/Social Sciences/Education sub-section: 2011, 2010
- Member, Cortelyou-Rust Distinguished Professorship Selection Committee, 2008-09
- Member, University Distinguished Professors, Research Evaluation Committee (UDP-REC), 2006-07, 2008-09
- Member, ADVANCE Program Internal Advisory Board, 2005-present
- Member, OSU Freshmen Research Scholars Program Committee, Member, 2002-2005
- Member, UArk-OSU Center for Space and Planetary Sciences, 2001-2005
- Member, Steering Council, OSU Environmental Science Graduate Program, 1999-2005
- Member, Admissions Committee, OSU Environmental Science Graduate Program, 2002-2005
- Member, UWyo Athletic Planning Committee, 1998-1999
- Member, Steering Committee, UWyo Planetary and Space Science Center, 1991-1998
- Listed with UWyo Speakers Bureau, 1988-91
- Chair, UWyo Rhoads Scholarship in Water Resources Selection Committee, 1988-90
- Member, UWyo Water Education Advisory Committee, 1989-90
- Member, UWyo Steering Committee for UW Global Climate Change Symposium, 1988-89
- Member, UWyo Working Group on Yellowstone Fire Research, 1988
- Narrator, Wyoming Water Development and Streamside Zones Tour, 1987
- Member, UWyo Search Committee for Director of the Wyoming Water Research Center, 1987
- Delegate (UTEP), Annual Meeting of Sigma Xi, Memphis, TN; October 1985
- Member, UTEP Student Welfare and Grievance Committee, 1982-85
- Discussant, UTEP Lyceum Committee Presentation by Dr. Margaret Maxey on "Energy and Environment," 1983

- Member, Vice President for Academic Affairs Ad Hoc Committee on Proposed Doctoral Degree in Environmental Science (UTEP), 1982-83
- Advisor, UTEP Provisional Student Program, 1982-83
- Faculty Sponsor, UTEP Junior Scholars Program, 1981-82

**College Service, year(s)**

- Chair, KSU Geology Curriculum Committee, 2014
- Chair, KSU Geology Head Search Committee, 2012-13
- Coach, KSU Arts & Sciences Telefund: 2010, 2009, 2008, 2007, 2006
- Member, UWyo Arts and Sciences Academic Planning Committee, 1998-1999
- Member, UWyo Arts and Sciences Ad Hoc Committee on Advising, 1991-92
- Volunteer, UWyo Arts and Sciences Phonathon, 2/3/91
- Member, UWyo Social Science Speakers Consortium, 1986-90
- Member, UWyo Search Committee for geomorphology position in Geology, 1988-89
- Member, UWyo Arts & Sciences Research Support Advisory Committee, 1987-88

**Department Service, year(s)**

- Department Representative, Kansas Board of Regents Core Outcomes Project, 2013-14
- Chair, KSU Geography Search Committee for faculty position in Physical Geography: 2013-14
- Coordinator, KSU Geography Graduate Colloquium, 2005-2011
- Chair, OSU Geology Self-Evaluation Committee, 2004-2006
- Member, OSU School of Geology Personnel Committee, 2000-2006
- Chair (Graduate Advisor), OSU School of Geology Graduate Committee, 2001-04
- Chair, OSU School of Geology Assessment Committee, 2001-2002
- Coordinator, UWyo Geography Department Recruiting, 1998-1999
- Member, UAS Committee to establish a new B.S. degree program in Environmental Science, University of Alaska Southeast, 1996-97
- Judge for National Geographic Society Geography Bee in Wyoming (UW), 1995-96, 1988-92
- Member, UWyo Geography Department Scholarship Committee, 1995-96
- Member, Committee to Review the UWyo Geography Department Chair, 1996
- Chair, UWyo Search Committee for human geographer with recreation/tourism interests, 1994-96
- Search Committee, UWyo Office Specialist Position, 1993
- Founder and Faculty Advisor, UWyo (Eta Eta Eta) Chapter of Gamma Theta Upsilon, International Honor Society in Geography (UW), 1986-90
- Member, UWyo Search Committee for human geography position, 1989
- Department Coordinator, National Geography Awareness Week (UW), 1987-89
- Member (& Affirmative Action Coordinator), UWyo Search Committee for planning position, 1988-89
- Department Coordinator, University Science Day (UTEP), 1986
- Supervisor, UTEP Geological Sciences Remote Sensing Lab, 1983-86
- Member, UTEP Geological Sciences Scholarships Committee, 1983-86
- Geography Coordinator, University Honors Program (UTEP), 1982-86
- Coordinator, John & Vida White Awards in Geography (UTEP), 1981-86
- Co-Supervisor, UTEP Geological Sciences Cartographic Lab, 1981-86

**Richard A. Marston, Ph.D., P.H.**

31

- Member, UTEP Geological Sciences Technical Sessions Committee, 1982-84
- Department Coordinator, UTEP Math-Science Tournament, 1984
- Member, UTEP Committee on Proposed B.A./B.S. Degrees in Geography, 1981

## STUDENT ADVISING

### SUPERVISED THESES, DISSERTATIONS AND CREATIVE COMPONENT PAPERS

44. Butler, W.D. 2013. *Spatial patterns and impacts of slope failures in five canyons of the Teton Mountains, Grand Teton National Park, Wyoming*. M.A. Thesis in Geography, Kansas State University: Manhattan, KS, 141 pp. + app.
43. Sowers, J. 2010. *A phenomenology of place identity for Wonder Valley, California: homesteaders, dystopics, and utopics*. Ph.D. Dissertation in Geography, Kansas State University: Manhattan, KS, 268 pp. (co-supervised with Dr. D.R. Seamon)
42. Meade, B.K. 2009. *Spatial extent, timing, and causes of channel incision, Black Vermillion watershed, northeast Kansas*. M.A. Thesis in Geography, Kansas State University: Manhattan, KS, 124 pp. + app.
41. Graf, N.E.. 2008. *50 years of channel change on a reach of the Big Blue River, Northeast Kansas*. M.A. Thesis in Geography, Kansas State University: Manhattan, KS, 80 pp. + app.
40. Kang, R.S. 2007. *Effects of urbanization on channel morphology of three streams in the Central Redbed Plains of Oklahoma*. Ph.D. Dissertation in Geography, Oklahoma State University: Stillwater, OK, 119 pp. + app.
39. Splinter, D.K. 2006. *Spatial patterns in the fluvial system: comparisons between three eastern Oklahoma ecoregions*. Ph.D. Dissertation in Environmental Science, Oklahoma State University: Stillwater, OK, 140 pp. + app.
38. Adcock, C.T. 2004. *Determining formative winds through geomorphology: Herschel Crater, Mars*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 55 pp. + app.
37. Wisleder, D. 2004. *Reservoir sedimentation along the upper Washita River in western Oklahoma and Northern Texas*. M.S. Thesis in Geography, Oklahoma State University: Stillwater, OK, 53 pp. + app.
36. Neel, C.R. 2003. *Analyses of terrestrial rock glaciers as analogues to Martian landforms*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 118 pp. + app.
35. Smith, S.J. 2002. *Downstream fining in a sand-bed segment of the Canadian River, New Mexico, Texas and Oklahoma*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 71 pp. + app. (co-supervised with S.T. Paxton)
34. Neto, J. 2002. *Municipal solid waste management and disposal safety in the City of Beira, Mozambique*. M.S. Thesis in Environmental Science, Oklahoma State University: Stillwater, OK, 72 pp. + app.
33. Dudding, S. 2001. *Areal extent of lead and zinc contamination in the Boone Aquifer: Oklahoma, Kansas, Missouri, Arkansas*. Creative Component Paper in Environmental Science, Oklahoma State University: Stillwater, OK, 55 pp.
32. Pickup, B.E. 2001. *Horizontal instability of the Canadian River and implications for the Norman City landfill, Oklahoma*. . M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 56 pp. + app.
31. Hope, R.N. 2001. *Heavy metals in fluvial sediments of the Picher Mining Field, Northeast Oklahoma*. M.S. Thesis in Geology, Oklahoma State University: Stillwater, OK, 66 pp.
30. Nordberg, V.G. 2000. *Effects of urbanization on storm runoff, San Gabriel Valley, California*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 69 pp.
29. Wolken, G.J. 2000. *Energy balance and spatial distribution of net radiation on Dinwoody Glacier, Wind River Range, Wyoming, USA*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 61 pp. (co-supervised with R. Reider)
28. Furin, D.M. 2000. *Geomorphic adjustment of reclaimed channels and hillslopes at a surface coal mine in northwest Colorado*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 61 pp.



27. Massey, A.J. 2000. *Large woody debris loading in forest streams due to the 1997 Routt Divide Blowdown, Routt National Forest, Colorado*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 47 pp. + app.
26. Ferree, J.D. 1999. *Geomorphic change over a twenty-year interval in harvested and unharvested watersheds of the Oregon Coast Range*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 43 pp. + app.
25. Saunders, B.H. 1999. *The relationship between suspended sediment concentrations and ecoregions in the coterminous United States*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 70 pp. + app.
24. Arneson, C.S. 1999. *Correlation between a modified DRASTIC Ground Water Vulnerability Model and non-point source contaminant occurrences in monitoring wells in Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 35 pp.
23. Norsby, D.J. 1998. *Discharge, sediment transport, and sediment residence time of the Raikot River, Buldar River, and Rupal River in Northern Pakistan*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 58 pp.
22. Bereleson, W.L. 1997. *Vegetation uptake of copper and lead in stormwater runoff entering the Laramie River, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 31 pp.
21. Marshall, S.C. 1997. *Effectiveness of calcium chloride on road dust suppression and effects on roadside water and soil, Denali National Park, Alaska*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 39 pp.
20. McNamara, K.P. 1996. *The effects of landscape variables on headwater drainage development, Medicine Bow Mountains, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 99 pp.
19. Bayer, K.B. 1995. *The spatial distribution of slope failures in the Medicine Bow Mountains and Sierra Madre, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 106 pp.
18. Borges, M.M. 1995. *Tourism on the Rio Araguaia, Brazil: tourist's perceptions of change and motorboat erosion*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 112 pp.
17. Camelo, E. 1995. *Effects of geomorphology and flood regime on landscape structure of the Araguaia River Floodplain, Brazil*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 71 pp.
16. Newton, J.W. 1995. *The significance of biogeomorphological processes among vegetation communities of the lower Ain River Floodplain, France*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 43 pp.
15. Green, T. 1994. *Impacts of gravel mining on the Malnant River in East-Central France*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 33 pp.
14. Wrazien, D.R. 1993. *Horizontal channel migration and floodplain vegetation development--Snake River, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 44 pp. + 1 pl.
13. Thorburn, J.L. 1993. *Irrigation diversions on the Laramie River, Wyoming--their effects on channel morphology and sinuosity*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 71 pp.
12. Wick, D.A. 1993. *Separation of clearcutting impacts from natural variability in mountain streams of the Medicine Bow National Forest, Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 74 pp.
11. Greer, M. 1993. *Measuring balance of power models with United Nations Voting Blocs*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 81 pp. (co-supervised with D. Paulson)
- 10b. Veryzer, D.J. 1992. *Recent glacier changes in the Wind River Range, Wyoming*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 9 pp.

- 10a. Veryzer, D.J. 1992. Glacial icemelt in the Wind River Range, Wyoming. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 7 pp.
9. Haire, D.H. 1991. *Runoff and soil loss from burned areas in the Greater Yellowstone Region*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 60 pp.
8. Clarendon, D. 1991. *Drainage basin differences in a land classification scheme on the Medicine Bow National Forest*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 98 pp.
7. Mills, J.D. 1991. *Wyoming's Jackson Lake Dam, horizontal channel stability, and floodplain vegetation dynamics*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 54 pp.
6. Miller, A.I. 1989. *Geomorphic controls on winterkill conditions in alpine lakes of the Snowy Range, Wyoming*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 153 pp.
5. Varuska, M.L. 1989. *Recent trends of Gannett and Dinwoody glaciers, Wind River range, Wyoming*. M.A. Plan B Paper in Geography, University of Wyoming: Laramie, WY, 50 pp.
4. Dolan, L.S. 1988. *Estimates of upland erosion and runoff in an arid watershed in Wyoming*. M.A. Thesis in Geography/Water Resources, University of Wyoming: Laramie, WY, 105 pp.
3. Gillespie, B.M. 1987. *The impact of military maneuvers on eolian transport and soil compressive strength in south central New Mexico*. M.A. Thesis in Geography, University of Wyoming: Laramie, WY, 193 pp.
2. Davison, C.H. 1984. *Simulation by finite difference methods of water levels in the Horizon City area, Texas, 1983-2030*. M.S. Thesis in Geology, University of Texas at El Paso: El Paso, TX, 118 pp.
1. Dupuy, J.R. 1984. The hydrologic significance of geologic structure within the southeastern Hueco Bolson, El Paso County, Texas. M.S. Thesis in Geology, University of Texas at El Paso: El Paso, TX, 102 pp.

**GRADUATE COMMITTEE MEMBERSHIPS: DISSERTATIONS, THESES, NON-THESIS PAPERS (53)**

- Leah Nell Adams, M.S. Geology (UW), 1994 (Dr. Paul Heller)
- Yoshiko Akashi, M.S. Botany (UW), 1988 (Dr. Dennis Knight)
- Tony Anderson, M.S. Range Management/Water Resources (UW), 1994 (Dr. Tom Wesche)
- John Anderton, M.A. Geography (UW), 1990 (Dr. Rick Reider)
- Mark Blanchard, M.S. Geology (UW), 1990 (Dr. James Drever)
- Stuart Blundell, M.S. Geology (UW), 1988 (Dr. Ron Marrs)
- Kelli Collins, M.S. Geology (OSU), 2000 (Dr. Stan Paxton)
- Mike Colman, M.S. Civil Engineering (UW), 1999 (Dr. Larry Pochop)
- Robert Cossart, Master of Applied Science (University of Canberra), 2009 (Dr. Martin Thoms)
- Katie Costigan, Ph.D. Geography (KSU), 2013 (Dr. Melinda Daniels)
- Daniel Dauwalter, Ph.D. Zoology (OSU), 2006 (Dr. William Fisher)
- Sohini Dutt, Ph.D. Geography (KSU), 2011 (Dr. Bimal Paul)
- Greg Eaglin, M.S. Zoology & Physiology (UW), 1991 (Dr. Wayne Hubert)
- Dennis Feeney, M.A. Geography (UW), 1991 (Dr. Ron Beiswenger)
- Pat Flaherty, M.A. Geography (UW), 1999 (Dr. Bill Baker)
- Ed Gates, M.S. Geology (UTEP), 1985 (Dr. Jerry Hoffer)
- David Gerhardt, M.S. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)
- Robert Gipson, M.S. Zoology & Physiology (UW), 1992 (Dr. Wayne Hubert)
- Thor Gjelsteen, M.S. Geology (UW), 1988 (Dr. James Steidtmann)
- Greg Gromoadzki, M.S. Geology (OSU), 2003 (Dr. Stan Paxton)
- Richard Grost, M.S. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)

- Bart Grudzinski, Ph.D. Geography (KSU), 2014 (Dr. Melinda Daniels)
- Dan Hannah, M.S. Geology (OSU), 2001 (Dr. Jim Puckett)
- Jan Hart, M.S. Range Management/Water Resources (UW), 1996 (Dr. Tom Wesche)
- Lee Jensen, M.S. Range Management/Water Resources (UW), 1994 (Dr. Tom Wesche)
- Dean Jordan, Ph.D. Botany (UW), 1995 (Dr. Bill Smith)
- Padma Kankanala, Ph.D. Electrical and Computing Engineering (KSU), 2013 (Drs. Anil Pahwa & Sanjoy Das)
- Jeanine Kearn, M.A. Planning (UW), 1999 (Dr. Jim Thompson)
- Kathy Kenney, M.S. Geology (OSU), 2005 (Dr. Stan Paxton)
- Gwen Kittel, M.S. Botany (UW), 1994 (Dr. Dennis Knight)
- Mickaël Lemay, Ph.D. Geography (University of Laval), 2009 (Yves Begin)
- Shana Mashburn, M.S. Geology (OSU), 2003 (Dr. Jim Puckette)
- Suzanne McGivney, M.S. Civil Engineering (UTEP), 1985 (Dr. Tony Tarquin)
- John Mills, M.S. Geology (UW), 1989 (Dr. Peter Huntoon)
- Scott Mullner, M.S. Zoology & Physiology (UW), 1992 (Dr. Wayne Hubert)
- Suzy Noecker, M.S. Range Management (UW), 1994 (Dr. Peter Huntoon)
- Bill Peck, Natural Science (UW), 1999 (Dr. Duane Keown)
- Hervé Piegay, Doctorat de Géographie, Université de Paris IV-Sorbonne, 1995 (Dr. Jean-Paul Bravard)
- Cindy Radicker Pru, M.S. Zoology (UW), 1998 (Dr. Wayne Hubert)
- Sumo Reddy, Ph.D. Geography (KSU), 2013 (Dr. Bimal Paul)
- Don Richard, M.S. Civil Engineering (UW), 1988 (Dr. Vic Hasfurther)
- Carol Sawyer, M.S. Geography (Texas State University), 2007 (Dr. David Butler)
- Greg Smith, M.P.A. Political Science (UW), 1988 (Dr. Richard Green)
- Ed Snook, M.A. Geography (UW), 1995 (Dr. Bill Baker)
- Grant Sorenson, M.P.A. Political Science (UW), 1991 (Dr. Richard Green)
- Robert Swenson, M.S. Geology (UW), 1991 (Dr. Art Snook)
- Travis Teegarden, M.S. Agricultural Engineering (UW), 1992 (Dr. Larry Pochop)
- Ken Valentine, M.S. Geology (UW), 1994 (Dr. Neil Humphrey)
- Jill Walford, M.A. Geography (UW), 1993 (Dr. Bill Baker)
- Cheng-Lee Wen, M.S. Geophysics (UTEP), 1983 (Dr. Wayne Peeples)
- John Wetstein, M.S. Civil Engineering (UW), 1989 (Dr. Vic Hasfurther)
- Linda Williams, M.S. Civil Engineering (UW), 1995 (Dr. Vic Hasfurther)
- Mike Young, Ph.D. Zoology & Physiology (UW), 1989 (Dr. Wayne Hubert)

## **OTHER ACTIVITIES AND ACCOMPLISHMENTS**

### **Sponsorship of outstanding scholars**

1. Founder and sponsor of Marston Muddy Boots Award for Graduate Field Work in Physical/Environmental Geography (formerly named Rumsey Bissell Marston Scholarship)
  - 2019: Michael Stumpff
  - 2018: Barrie Chileen
  - 2017: no award
  - 2016: Emily Mellicant
  - 2015: Nick Patch and Emily Mellicant
  - 2014: Bryce Marston
  - 2013: Kyleen Kelly
  - 2012: Claire Ruffing
  - 2011: Katie Costigan
  - 2010: Kabita Ghimire and Brandon Weihs
  - 2009: no award
  - 2008: Ben Meade
  - 2007: Nick Graf
  - 2006: no award
  - 2005: Ranbir Kang
  - 2004: Chris Adcock
  - 2003: Dale Splinter
  - 2002: Chris Neel
  - 2001: Barbara Pickup and Jerrod Smith
  - 2000: Randa Hope
  - 1999: Robin Gray and Andy Massey
  - 1998: Jon Ferree
  - 1997: Doug Norsby
  - 1996: Sarah Marshall
  - 1995: Kevin Bayer
  - 1994: Kevin McNamara
  - 1993: Jay Newton
  - 1992: David Wick
  - 1991: Dave Clarendon
  - 1990: Jack Mills
  - 1989: Marjorie Varuska
  - 1988: Larry Dolan
  - 1987: Allen Miller
  - 1986: Marc Gillespie
2. Founder and sponsor of Annual Keith W. Muckleston Travel Award for Excellence in Water Resource Geography, Oregon State University, since 1999
3. Founder and sponsor of Chuck Rosenfeld Muddy Boots Fund for Graduate Field Work in Physical Geography, Oregon State University, since 2018
4. Mentor for Undergraduate Students Who Received Wentz Project Award, Oklahoma State University
  - Amanda Hills: 2003-04
  - Kyla Coker: 2002-03
  - Kathleen Stuck: 2000-01
  - Matthew Huhnke: 2000-01

5. Mentor for Freshmen Scholar Program, Oklahoma State University
  - Chris Ennen: 2002-03
  
6. Successful Nomination of Faculty Colleagues for Professional Recognition
  - Dr. Dawn Wright (ESRI): AAG Fellow, 2020
  - Dr. Glen MacDonald (UCLA): AAG Fellow, 2020
  - Dr. Jonathan Harbor (University of Montana): AAG Fellow, 2019
  - Dr. Aaron Wolf (Oregon State University): AAG Gilbert F. White Public Service Honors, 2016
  - Dr. George Malanson (University of Iowa): AAG Lifetime Achievement Award, 2016
  - Dr. Doug Richardson (AAG): AAAS Fellow, 2016
  - Dr. Marshall Shepherd (University of Georgia): AAG Media Achievement Award, 2015
  - University of California Press: AAG Publication Award, 2015
  - Dr. Eve Gruntfest (University of Colorado at Colorado Springs): AAG Gilbert F. White Public Service Honors, 2014
  - Dr. Lee R. Schwartz (U.S. Department of State, Office of The Geographer and Global Issues): AAG Applied Geography Specialty Group Anderson Medal, 2012
  - Dr. Tim Beach (Georgetown University): Georgetown University Research Award, 2010
  - Drs. Sheryl Luzzadder-Beach and Timothy Beach (Georgetown University): AAG Geomorphology Specialty Group, G.K. Gilbert Award, 2010
  - Dr. Charles W. Martin: KSU Presidential Award for Excellence in Undergraduate Advising, 2009
  - Dr. Kendra M. McLauchlan: KSU College of Arts & Sciences Stamey Award for Excellence in Undergraduate Teaching, 2009
  - Dr. Carol Harden (University of Tennessee): AAAS Fellow, 2009
  - Dr. Jon Harbor (Purdue University): AAAS Fellow, 2009
  - Dr. David Zurich (Eastern Kentucky University): AAG Mountain Geography Specialty Group, Distinguished Career Award, 2009
  - Dr. Dawn Wright (Oregon State University): AAAS Fellow, 2008
  - Jack Dangermond (ESRI) and Dr. Jim Knox (University of Wisconsin): AAG Presidential Achievement Award, 2007
  - Dr. John D. Vitek (Texas A&M University), AAG Geomorphology Specialty Group, Mel Marcus Distinguished Career Award, 2007
  - Dr. William Graf (University of South Carolina) and the NRC Platte River Committee: AAG Meredith Burrill Award, 2006
  - Dr. M. Duane Nellis (West Virginia University): Fellow in the Explorers Club, 1995
  - Drs. Mark Fonstad (Texas State University) and Andrew Marcus (University of Oregon): AAG Geomorphology Specialty Group, G.K. Gilbert Award for Research Excellence, 2005
  - Dr. Steven Walsh (University of North Carolina): AAG Honors, 2000
  - Dr. Richard Reeves (University of Arizona): AAG Geomorphology Specialty Group, Melvin Marcus Distinguished Career Award, 1999
  - Dr. David R. Butler (Texas State University): AAG Geomorphology Specialty Group, G.K. Gilbert Award for Research Excellence, 1998
  - Dr. Maynard and Joan Miller (Foundation for Glacier and Environmental Research): AAG Honors, 1996
  - Dr. M. Duane Nellis (West Virginia University): AAG National Councillor, 1996
  - Dr. Tom Buchanan (University of Wyoming): UW Ellbogen Award for Outstanding Teaching, 1988
  - Dr. Tom Wesche (University of Wyoming): American Institute of Hydrology, Certified Professional Hydrologist, 1988
  
6. Mentor for Students funded by NSF-REU Awards
  - Kate Lehmert: 2004 (GIS and Soil/Water Studies)
  - Michael Othitis: 2004 (GIS and Soil/Water Studies)
  - Ben Holland: 2003 (GIS and Soil/Water Studies)
  - Erica Frank: 2003 (GIS and Soil/Water Studies)

- Benjamin Stanley: 2003 (Space and Planetary Sciences)
- Spencer Riley: 2002 (Space and Planetary Sciences)
- Beau Bassett: 2002 (GIS and Soil/Water Studies)
- Sarah Bull: 2001 (GIS and Water Resource Studies)
- April Gillilan: 2000 (GIS and Water Resource Studies)
- Isabel Budke: 1996 (Juneau Icefield Research Program)
- Timothy Creyts: 1996 (Juneau Icefield Research Program)
- Dustin Holcomb: 1996 (Juneau Icefield Research Program)
- Lane Middleton: 1996 (Juneau Icefield Research Program)
- Erin Whitney: 1996 (Juneau Icefield Research Program)
- Gabriela Dory: 1995 (Juneau Icefield Research Program)
- Mark Giesbrecht: 1995 (Juneau Icefield Research Program)
- Marcie Hoffman: 1993 (Juneau Icefield Research Program)
- David Veryzer: 1988 (Juneau Icefield Research Program)

7. Successful Nomination of Students for Financial Support to Aid Participation in Juneau Icefield Research Program (\*received scholarship through National Science Foundation or another sponsoring organization)

- Brandon Binford: 2005
- Chris Ennen: 2005
- Kyla Coker: 2002
- Lane Middleton: 1996
- Dustin Holcomb: 1996
- Marcie Hoffman: 1993\*
- Dave Veryzer: 1990, 1989, 1988\*
- Cathy Veryzer: 1990\*
- Dave Clarendon: 1989
- Kurt Duncan: 1989
- Dale Oursler: 1988\*
- Bob Guthrie: 1985

8. Successful Nominations of Students for Awards & Scholarships

- NOAA Hollings Scholarship: Caleb Wilson: 2012
- KSU Stamey Award for Excellence in Undergraduate Teaching by a GTA
  - Sumanth Reddy: 2008, 2009
  - Scott Deaner: 2007
- KSU Anderson Outstanding Senior Award in Academics
  - Nicole Wayant: 2009
- UWyo Ellbogen Award for Outstanding Teaching Assistant
  - John Thorburn: 1991
  - Jack Mills: 1989
  - Marc Gillespie: 1987
- UWyo College of Arts & Sciences, Paul Stock Scholarship
  - Kevin McNamera: 1995
- UWyo College of Arts & Sciences, Summer Scholarship
  - Robin Gray: 1999
  - Paul Caffey: 1998
  - John Thorburn: 1991-92, 1992-93

- UWyo Arts & Sciences Outstanding Graduates of the Year
  - Jason Brown: 1998
  - Ed Fritz: 1995
  - Tammy Wambeam: 1993
  
- UWyo C.P. and Evelyn S. Plummer Scholarship
  - Jeff Baxter, David Furin, Andy Massey: 1999
  - Paul Caffrey: 1998
  - Kevin Bayer: 1995
  - Kevin McNamera: 1995
  - Dave Haire: 1988

**Workshops Attended for Training**

18. *Adaptive Leadership: Leading in a Permanent Crisis*; 14<sup>th</sup> Annual K-State Leadership Seminar; Manhattan, KS; 24 March 2010
17. *Introduction to GIS with ArcView 9; Introduction to Spatial Analysis; Introduction to 3D GIS with ArcView 9 and ArcGlobe; Making Maps from Internet Data*; National Council for Geographic Education; Kansas City, KS; 23 October 2004
16. *Workshop on Earth Science and Applications from Space*; Association of American Geographers and U.S. Geological Survey; Washington, D.C.; 23 September 2004
15. *Healthy Departments Workshop*; Association of American Geographers; Seattle, WA; 21-22 June 2004
14. *Introduction to ArcView GIS*; ESRI; Oklahoma State University; Stillwater, OK; 11 June 2000
13. *K-12 Geoscience Partnering with Project WET*; Geological Society of America; Salt Lake City, UT; 18 October 1997
12. *Hands-on Overview of the World Wide Web*; Association of American Geographers; Charlotte, NC; 9 April 1996
11. *Quaternary Geology of the Wind River Basin, Wyoming*; Friends of the Pleistocene, Rocky Mountain Cell; Dubois, WY; 13-14 August 1994
10. *Achieving Organizational Effectiveness*; University of Wyoming School of Extended Studies and Public Service; Cheyenne, WY; 5-6 October 1992
9. *Climatology and Flood Hydrology in the Rocky Mountains*; American Society of Civil Engineers, Federal Emergency Management Agency, U.S. Geological Survey; Lakewood, CO; 4-5 October 1990
8. *Selenium Information Tour*; Governor's State Selenium Work Group; Casper, WY; 2 June 1988
7. *Microcomputers in Cartographic Education*; Association of American Geographers; Minneapolis, NM; 4 May 1986
6. *Desert Soils and Geomorphology Project--1984 Field Study Tour*; New Mexico Bureau of Mines and Mineral Resources; Las Cruces, NM; 28-31 May 1984
5. *Advanced Remote Sensing and Spatial Data Analysis in Exploration Geology*; EROS Data Center, U.S. Geological Survey; Sioux Falls, SD; 14-18 November 1983
4. *Hands-on Training Workshop in Remote Sensing Applications*; Environmental Research Institute of Michigan; Ann Arbor, MI; 9-13 May 1983
3. *The Fluvial System with Applications to Economic Geology*; Colorado State University; Fort Collins, CO; 19-23 July 1982

2. *Applied Remote Sensing for Terrain Analysis*; George Washington University; Washington, D.C.; 7-11 June 1982
1. *Remote Sensing Digital Image Processing*; Association of American Geographers; San Antonio, TX; 24 April 1982

**Special Service to the State/Community**

- Community Emergency Response Team (CERT), Newport Beach, CA, 2018-present
- Member, Stillwater (OK) Recycling Coalition, 2001-03
- Registrar, Boy Scouts Troop 818, Stillwater, OK, 2002-03
- Judge, Earth and Space Science Division, Wyoming State Science Fair, 1998
- Umpire, Laramie Youth Baseball, 1997-98
- Assistant Coach, Juneau Little League AAA Minors Baseball (White Sox), 1997
- Assistant Pack Leader, Cub Scouts Pack 132, 1992-96
- Coach, Laramie Jr. Jazz Basketball League (Grade 3-4 Team "Suns"), 1995
- Coach/Assistant Coach, Laramie Midget League Baseball, 1994-95
- Math Docent, Grades 1-2, Wyoming Center for Teaching and Learning-Prep, 1992
- Technical Advisor, Wyoming Emergency Management Agency, 1989-90
- Volunteer, Albany County Red Cross Disaster Relief Fund (collect donations for 1989 Bay Area Earthquake Relief)
- Member, Governor's Selenium Work Group, 1988-89
- Technical Advisor, West Texas Council of Governments, Water Issues Council, 1986
- Advisor, Jack Hammand (candidate from Texas for U.S. Congress), on water issues, 1984
- Reviewer (oral and written comments), Texas Department of Water Resources planning document titled "Water Resources for Texas: Planning for the Future", 1983
- Advisor, El Paso Department of Planning, Research and Development, on protection of scenic views from billboard obstruction, 1983



**PROFESSIONAL PRESENTATIONS: 434 (284 invited)**

**(bold = invited; \* = presented by co-author; full details available upon request)**

**INTERNATIONAL MEETINGS: 41 (22 invited)**

- Binghamton Geomorphology Symposium: **2019(1+1)**, 2012, 2011\*, **2009**, 2008, 2007, **2006**, 2005\*, **2002, 2001(2), 2000, 1995**, 1986
- British Society for Geomorphology (formerly BGRG) : **2010** (London)
- Colloque International: Le Fleuve et ses Metamorphoses (Lyon, France): **1992 (keynote, presented in French)**
- Jan DePloy Memorial Symposium, Lab for Experimental Geomorphology, Catholic University of Leuven (Leuven, Belgium): **1993**
- Hawaii International Conference on Education (Honolulu): 2004(2)
- International Association of Geomorphologists (IAG): 2013 (Paris), **1993** (Hamilton), 1989 (Frankfurt)
- International Association of Geomorphologists (IAG), Working Group on Large Rivers, Rhone River Workshop (Lyon, France): 2007
- International Association of Geomorphologists (IAG), Working Group on Large Rivers, Yangtze Fluvial Conference (Shanghai, China): 1999
- International Colloquium on Paleohydrography (Nancy, France): **1995**
- International Colloquium on Floods, Slopes and River Beds (Paris, France): **1995**
- International Conference on Wood in the World's Rivers (Corvallis, OR): 2000
- International Geographical Congress (IGC): 1988 (Sydney), 1984 (Paris)
- International Geographical Congress, Commission on Field Experiments in Geomorphology: 1984 (Strasbourg, France)
- International Geographical Union, Regional Meeting (Krakow, Poland): **2014**
- International Quaternary Association (INQUA), Workshop on the Timing and Nature of Mountain Glaciation: **2006**
- International Symposium on Environmental Health, Pan American Health Organization (El Paso, TX): **1985**
- International Symposium on Remote Sensing of the Environment: 1982 (Ft. Worth, TX)
- International Workshop on Fluvial Dynamics and Alluvial Paleogeography (Lyon, France): **2011(3)**
- Latin American Studies Association (Mexico City): **1983**
- Pakistan Northern Areas Science Meeting (Islamabad): **2006**
- Society for Information Technology and Teacher Education: 2003\*

**NATIONAL MEETINGS: 115 (35 invited)**

- American Association of Geographers (AAG): 2019 (2+2), 2018, **2017(4)**, 2016, 2015 (**3+1**), 2014 (**2+1**), 2013, 2012 (**1+1**), 2011(2), **2010(2)**, 2009, **2008, 2007(2+1), 2006(2), 2005(3+3)**, 2004(2), 2003(3), 2002, 2001(**1+1**), 2000, **1999, 1998**, 1997, 1996, **1994, 1993, 1992(2)**, 1991(2), 1990(2), 1989, 1988(2), 1987, **1986**, 1985, 1984, 1983, 1982, 1981(**1+1**), 1977 (2)
- American Association of Petroleum Geologists (AAPG): 2004\*, 2002\*
- American Geomorphological Field Group (AGFG): 1983
- American Geophysical Union: 2009
- American Society of Civil Engineers (ASCE), Symposium on Watershed Planning and Analysis in Action: 1990\*
- American Society of Civil Engineers (ASCE), Watershed Management Symposium: 1980
- American Fisheries Society AFS): 2004\*
- American Water Resources Association (AWRA): 2001\*, 1994, 1989, 1983
- Annual Conference and Symposium on GIS and Water Resources: **1996\***
- Association for Arid Lands Studies (AALS): **1988**, 1983\*
- Geological Society of America (GSA): **2011**, 2008\*, 2004(2), 2003(6), 2002(2), 2001(2), 2000(6), 1999, 1998, 1988, 1987\*, 1986, 1984\*

- Lunar and Planetary Sciences Conference: 2002\*
- Mexican Association of Geohydrology: 1985
- Soil and Water Conservation Society: 2009
- Western Social Science Association: **1981**

**REGIONAL MEETINGS: 69 (18 invited)**

- American Association for the Advancement of Sciences (AAAS), Southwestern and Rocky Mountain Division: 1989\*, 1982
- American Fisheries Society (AFS), Southern Division: 2004\*
- American Fisheries Society (AFS), Colorado-Wyoming Chapter: 1987
- American Geophysical Union (AGU), Pacific Northwest Regional Meeting: 1978
- American Society of Civil Engineers (ASCE), Colorado-Wyoming Section: 1989\*, 1988\*
- American Water Resources Association (AWRA), Texas Section: 1982
- American Water Resources Association (AWRA), Wyoming Section: **1994, 1993**, 1990, 1989\*, 1988(2)
- Association of American Geographers, Great Plains-Rocky Mountain Division: 2015, 2010, 2008\*, **2007 (1+1\*)**, **2006(2)**, **2005**, 2003, 1998, 1996, 1994, 1992(3), 1991, 1990, 1988(3)
- Association of American Geographers, Middle Atlantic Division: **2005**
- Association of American Geographers, Middle States Division: **2005**
- Association of American Geographers, New England-St. Lawrence Valley (NESTVAL) Division: **2005**
- Association of American Geographers, Southeast Division (SEDAAG): **2005**
- Association of American Geographers, Southwest Division (SWAAG): **2006**, 2004(2), 2003(5)
- Association of American Geographers, West Lakes Division: **2005**
- Association of Pacific Coast Geographers (APCG): 1980
- Chihuahuan Desert Research Symposium: 1984
- Delaware Valley Geographic Association: **2004**
- Geological Society of America, South-Central Section: 2005\*
- Kansas Natural Resources Conference: 2010
- Kansas Water for the Future Conference: **2007, 2006**
- New Mexico Academy of Sciences: 1982
- Northwest Glaciologists, Institute for Arctic and Alpine Research (INSTAAR): 1988
- Oklahoma Academy of Sciences (OAS): 2000(4), 1999
- Oklahoma Technology Association, Technology and Learning Conference: 2003\*
- Oregon Academy of Sciences: 1979, 1978, 1976
- South Dakota State Geography Convention: **2006**
- Symposium on Biodiversity in the Rocky Mountains: 1991
- Texas 2000 Water Conference: 2000
- Symposium on Biodiversity in the Rocky Mountains: 1991
- Wyoming Riparian Association: **1990**
- Wyoming Water Association: **2017**

**SEMINARS: 135 (all invited)**

- Arkansas-Oklahoma Center for Space and Planetary Sciences (AR-OK CSAPS): **2003, 2001**
- American Geographical Society Library, Edward Wilkommen GeoFocus Lecture, University of Wisconsin-Milwaukee: **2009**
- American Institute of Mining, Metallurgical and Petroleum Engineers: **1985**
- American Water Resources Association (AWRA), Wyoming Section: **1996, 1991**
- Arizona State University, Department of Geography: **1985**
- Australia Commonwealth Scientific and Industrial Research Organization (CSIRO), Division of Water Resources (Canberra, ACT): **1988**
- California State University at Channel Islands: **2017**

- California State University at Chico, Department of Geography: **1985**
- California State University at Fullerton, Department of Geography: **1985**
- California State University at Fullerton, Osher Lifelong Learning Institute: **2019**
- Catholic University of Goias (Brazil): **1992**
- California Institute of Technology, Geological and Planetary Sciences: **1981**
- CEMEGREF, Groupement de Lyon, Division Biologie des Ecosystemes Aquatiques, Laboratoire d'Hydroecologie Quantitative: **1995 (presented in French)**
- Colorado State University, Department of Earth Resources: **1999**
- East Central University (Ada, Oklahoma): **2008**
- El Paso City Department of Planning, Research and Development: **1986**
- El Paso Electric Company: **1984**
- El Paso Geological Society: **1985**
- Explorers Club, Rocky Mountain Chapter: **1996**
- Georgetown University: **2011**
- George Washington University, Department of Geography: **2004**
- International Centre for Integrated Mountain Development (ICIMOD): **1987 (Kathmandu)**
- Kansas State University, GTU/Geography Annual Banquet: **2016**
- Kansas State University, Department of Geography: **2013, 2011, 2010, 2007, 2005(3), 1998(2)**
- Kansas State University, Department of Geology: **2006**
- Kansas State University, Division of Biology, Seminar in Ecology, Evolution, Systematics: **2009**
- Kansas State University, Friends of International Programs, Vernon Larson Lecture: **2007**
- Kansas State University, Joint Meeting of UDPS from KU/KSU/WSU: **2013**
- Kansas State University, Office of Provost and Senior V.P.: **2012**
- Kathmandu University: **2012**
- Mariah and Associates, Inc. (Laramie, WY): **1995**
- Montana State University, Cinnabar Symposium: **1991**
- Montana State University, High Elevation Studies Program: **1989(2)**
- National Geographic Society, Committee on Research and Exploration: **2008**
- National Park Service, Grand Teton National Park: **1990**
- New Mexico State University, Department of Earth Sciences: **1984, 1983**
- Northeastern State University (Tahlequah, OK): **2008**
- Oklahoma State University, Buddhist Association (BAOSU): **2004**
- Oklahoma State University, Department of Geography: **2004, 2000**
- Oklahoma State University, School of Geology: **2004, 2002, 2000(2), 1999**
- Oregon State University Alumni Association--California: **2015**
- Oregon State University, College of Earth, Ocean, and Atmospheric Sciences (CEOAS): **2015, 2004**
- Pakistan National University of Sciences and Technology, Institute of GIS: **2006**
- Penn State University, Department of Geography: **2007**
- PTI Environmental Services, Inc. (Boulder, CO): **1998**
- Sigma Xi – The Scientific Research Society, Kansas State University Chapter: **2010**
- Sigma Xi - The Scientific Research Society, University of Texas at El Paso Chapter: **1985, 1984**
- Sigma Xi - The Scientific Research Society, University of Wyoming Chapter: **1990**
- South Dakota State University: **2013(2)**
- Teton Science School, Winter Seminar Series: **1991**
- Texas A&M University, Department of Geography: **2010, 1998, 1992(2)**
- Texas A&M University, Department of Geology and Geophysics: **2019, 1998**
- Texas A&M University-Kingsville, Department of Physics and Geosciences: **2005**
- Texas State University, Department of Geography: **2009(2)**
- Tribhuvan University and Nepal National Council on Science and Technology (Kathmandu): **1987**
- Tulsa Geological Society: **2000**
- University of Alabama, Department of Geography: **1990(2)**
- University of Alaska Southeast (Juneau, AK): **1995**

- University of Bern, Institute of Geological Sciences (Bern, Switzerland): **2014**
- University of Buffalo: **2005**
- UCLA Friends of Geography, Career Day Panel: **2018**
- UCLA Geography Association: **2015**
- University of Cincinnati, Department of Geology: **2007**
- University of Colorado, Department of Geography: **2004, 2000, 1998**
- University of Kansas, Department of Geography: **2006**
- University of Lyon III-Jean Moulin (Lyon, France): **1993, 1992**
- University of Nevada at Las Vegas, Department of Geosciences: **2017**
- University of Oregon, Department of Geography: **2015**
- University of South Carolina: **2014**
- University of Southern California, Department of Geography: **2000, 1994**
- University of Stirling (Scotland, U.K.): **1993(2)**
- University of Texas at El Paso, Department of Geological Sciences: **1984(2), 1982, 1981(2), 1980**
- University of Wyoming, Dept. of Geography: **2012, 1998, 1993, 1992, 1987, 1986**
- University of Wyoming, Gamma Theta Upsilon: **1996, 1989**
- University of Wyoming, National Merit Symposium: **1995, 1994**
- University of Wyoming, Professional Development Day: **1988**
- U.S. Air Force Academy, Department of Economics and Geography: **1992(2), 1990**
- U.S. Department of State, INR Analytical Outreach Exchange: **2014**
- U.S. Department of State, Jefferson Science Fellows Lecture Series: **2011**
- U.S. Embassy-Kathmandu, Tea Talk: **2012**
- U.S. Forest Service, Medicine Bow National Forest: **1995, 1992, 1988**
- U.S. Geological Survey: **2005**
- Western Illinois University: **2016**
- West Virginia University, Duane Nellis Celebration Day: **2002 (keynote)**
- Wyoming State Engineer: **1988**
- Wyoming Water Research Center: **1990, 1989, 1988**

**TALKS TO SERVICE ORGANIZATIONS, PUBLIC SCHOOLS, AND MEDIA INTERVIEWS: 34 (all invited)**

- Peppertree Elementary School: 10 January 2017 and 2016
- Manhattan Rotary Club: 4 November 2010
- Manhattan Public Library Association: 30 September 2008
- Periodical Radio, College of Saint Rose Internet Radio (Steve Black); Albany, NY; 18 October 2007
- France Television; Lyon, France; 1 July 2007
- Astronomy Club of Tulsa; Tulsa, OK; 11 April 2003
- Stillwater Junior High School Earth Science Class; Stillwater, OK; 6-7 May 2002
- Stillwater Junior High School, Earth Science Class; Stillwater, OK; 7 & 9 November 2000
- Stillwater Junior High School, Earth Science Class; Stillwater, OK; 15 October 1999
- Sangre Ridge Elementary School, 4<sup>th</sup> Grade Class; Stillwater, OK; 24 September 1999
- Laramie Junior High School, Geography Classes; Laramie, WY; 14-15 December 1998
- Cheyenne East High School; Cheyenne, WY; 11 November 1998
- Laramie Brownie Troop 228; Laramie, WY; 20 October 1998
- Laramie Boy Scout Troop 137; Laramie, WY; 8 December 1997
- Laramie Brownie Troop 228; Laramie, WY; 4 December 1997
- Radio interview on KUWR (Wyoming Public Radio); Laramie, WY; 17 October 1997
- U.S. Forest Service, Mendenhall Glacier Visitor Center, Fireside Talk (Juneau, AK): 1997
- Radio interview on KINY; Juneau, AK; 3 March 1997
- Downtown Juneau Rotary Club; Juneau, AK, 21 January 1997
- Juneau-Douglas High School, Geology Class; Juneau, AK; 13 November 1996
- Auke Bay School, Mrs. Elgee's 5th Grade Class; Juneau, AK; 10 October 1996

- University of Alaska Southeast, Student Program; Juneau, AK, 18 September 1996
- TV interview on Channel 8; Juneau, AK; 19 June 1996
- Dean Morgan Junior High School; Casper, WY; 18 April 1989
- Radio interview on KUWR (Wyoming Public Radio); 13 October 1988
- Radio interview on KUWR (Wyoming Public Radio); 20 January 1988
- Sierra Club, El Paso Regional Group; El Paso, TX; 27 February 1985
- El Paso Boy Scout Troop 27; El Paso, TX; 14 November 1982
- Southwest Studies Group, University Women's Club; El Paso, TX; 2 November 1982
- TV interview on KDBC-Channel 4; El Paso, TX; 6 October 1982
- Sierra Club, El Paso Regional Group; El Paso, TX; 30 June 1982
- El Paso School District, Annual Winter In-Service Workshop; El Paso, TX; 19 January 1982
- El Paso Geological Society; 10 December 2001

**WORKSHOP AND FIELD COURSE PRESENTATIONS: 40 (all invited)**

40. *Climate Change and Sustainability in Mountain Regions* (invited lectures), AAG MyCOE/SERVIR-Himalaya Workshop; ICIMOD, Kathmandu, Nepal; 18-27 February 2013
39. *Landscapes in the "Anthropocene": Exploring the Human Connections*, National Science Foundation, Geography & Spatial Sciences program and Geomorphology and Land Use Dynamics Program; University of Oregon, Eugene, OR; 4-6 March 2010
38. *2007 Healthy Departments Workshop*, Association of American Geographers; Baton Rouge, LA; 16-17 June 2007
37. *Understanding Stream Dynamics and Maneuver Impacts* (invited workshop: oral presentation, poster, field trip); 2006 ITAM Workshop, Kansas State University and Fort Riley, KS; Manhattan, KS; 9-10 August 2006
36. *2006 Healthy Departments Workshop*, Association of American Geographers; Athens, GA; 9-11 June 2006
35. *2005 Healthy Departments Workshop*, Association of American Geographers; Freeport, ME; 25-26 June 2005
34. *Hypothesis Based Learning (HBL) in Middle School Earth Science Classes*, Evergreen Public School District, Vancouver, WA, 31 January 2005
33. *National Geographic Society, EdNet Forum (K-12 teacher question-answer session on internet)*, 11-14 January 2005
32. *Space and Planetary Sciences* (co-Director of NSF-REU Summer Program), Oklahoma State University and University of Arkansas, 23 May-31 July 2004
31. *Hypothesis Based Learning (HBL) in Middle School Earth Science Classes* (National Workshop for Teachers and Curriculum Coordinators), Oklahoma State University, Center for Science Literacy, Oklahoma City, OK, 23-24 April 2004
30. *Hypothesis Based Learning (HBL) in Middle School Earth Science Classes* (invited Professional Development Workshop for Teachers), Oklahoma State University, Center for Science Literacy, Stillwater, OK, 12 December 2003
29. *Space and Planetary Sciences* (co-Director of NSF-REU Summer Program), Oklahoma State University and University of Arkansas, 28 May-1 August 2003
28. *Space and Planetary Sciences* (co-Director of NSF-REU Summer Program), Oklahoma State University and University of Arkansas, 28 May-2 August 2002
27. *Water Quality Monitoring and Management* (invited short course for seven Egyptian hydrologists), University of Wyoming International Programs, Laramie, WY; 8-18 June 1998

26. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 37th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 1 July-23 August 1996
25. *Origin of Mountains, Natural Hazards and Human Impacts* (invited workshop); Wyoming Geographic Alliance, National Geographic Society; 10 June 1996
24. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 36th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 5 July-5 August 1995
23. *Wilderness and Water* (invited workshop, co-presented with L.M. Marston and R.E. Beiswenger); Wyoming Geographic Alliance, National Geographic Society, and U.S. Environmental Protection Agency; 27-28 June 1995
22. *Greater Yellowstone Ecosystem Conservation Workshop* (invited participation); Greater Yellowstone Coalition; Chico Hot Springs, MT; 7-8 January 1995
21. *Riparian Vegetation-Streamflow Interactions Workshop* (invited participation); USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Stream Systems Technology Center; Tucson, AZ; 4-6 January 1995
20. *The Range of Natural Variability in Aquatic and Riparian Systems* (invited workshop participant); U.S. Forest Service and University of Wyoming; Laramie, WY; 16 February 1994
19. *River Entrenchment in Small Mountain Valleys of the Western U.S.A.--Influence of Beaver, Grazing, and Forestry Practices* (invited paper); Workshop on River Entrenchment, Université Lyon III--Jean Moulin; 28 April 1993
18. *Snake River Expedition* (invited field workshop); Wyoming Geographic Alliance, National Geographic Society, and U.S. Department of Education; Grand Teton National Park; 14-20 June 1992
17. *Techniques of River Studies and Climatology* (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 11 June 1992
16. *Channel Morphology and Dynamics in Riparian Systems* (invited workshop); Riparian Workshop, Wyoming Game and Fish Department; Laramie, WY; 20 August 1991
15. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 26th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 10 July-6 August 1991
14. *Land and Life in the Nepal Himalaya* (invited workshop); Regional Geography and International Studies Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 25 June 1990
13. *Global Change and Water Resources* (invited workshop); Regional Geography and International Studies Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 20 June 1990
12. *Humans as Agents of Landscape Change* (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 19 June 1990
11. *Wyoming Water Atlas in the Classroom* (invited workshop); Geography Institute for Teachers, University of Wyoming Institute for the Development of Teaching; Laramie, WY; 11 June 1990
10. *Critical Questions in Geomorphology and Water Resources* (invited workshop); Geography Institute for Teachers, University of Wyoming Center for Teaching and Learning; Laramie, WY; 21 June 1989
9. *Land Systems Analysis and Drainage Basin Processes* (invited workshop); Fish Habitat Management Short course, U.S. Forest Service and Colorado State University; Fort Collins, CO; 26 September 1988
8. *Water Related Hazards in Wyoming* (invited workshop); Wyoming Emergency Management Agency Symposium; Laramie, WY; 25 August 1988
7. *The Hydrologic Cycle: Global and Wyoming Perspectives* (invited workshop); Water Institute for Teachers, University of Wyoming Center for Teaching and Learning; Laramie, WY; 13 July 1988

6. *A Research Strategy for Estimating Channel Maintenance Flows in Forest Streams* (invited workshop); Coon Creek Project Status Meeting, Seminar organized by the Medicine Bow National Forest; Laramie, WY; 6 May 1988
5. *Estimates of Runoff and Soil Loss Using Rainfall Simulation and Computer Assisted Mapping* (invited); Interagency Soil Scientist Workshop, Seminar organized by the Soil Conservation Service; Casper, WY; 24 March 1988
4. *Morphometric Indices of Streamflow and Sediment Production* (invited workshop); Forest Hydrologist Workshop; Laramie, WY; 17 September 1987
3. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 26th Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 16 July-23 August 1985
2. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 22nd Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 1 July-15 August 1981
1. *Mountain Geosciences and Field Glaciology* (invited lecture series and field demonstrations); 21st Summer Institute of Glaciological and Arctic Sciences; Juneau Icefield, AK-BC; 24 July-16 August 1980