

JULIA T. SANKEY

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EDUCATION

Ph.D. 1998. Department of Geology and Geophysics, Louisiana State University, Baton Rouge, Louisiana.
M.S. 1991. Quaternary Studies. Northern Arizona University, Flagstaff, Arizona.
Geology courses and field camp. 1988. University of Arizona, Tucson.
B.S. 1987. Department of Biology. Albertson College of Idaho, Caldwell, Idaho

EMPLOYMENT HISTORY

Assistant Professor – 2003 to present. California State University, Stanislaus, Turlock, CA.
Visiting Assistant Professor – 2002 to 2003. Vassar College, Poughkeepsie, NY.
Haslem Post-Doctoral Fellow/Assistant Professor (non-tenure track) - 1999 to 2002. South Dakota School of Mines & Technology, Rapid City, SD.
Fulbright Post-Doctoral Fellowship - 1999. Alberta, Canada.
Instructor - 1997 (summer), 1998 (fall). Dept of Geology and Geophysics, Louisiana State University, Baton Rouge, LA
Graduate Assistantship - 1994-1998. Museum of Natural Science, Louisiana State Univ
Paleontological Consultant/Field Paleontologist – 1991 to 1994.
Physical Science Technician – 1988 to 1991. U.S. Geological Survey, Flagstaff, AZ.

HONORARY POSITIONS

Research Associate – 2005 to present. Univ. California Museum of Paleontology, Berkeley
Research Associate – 2000 to present. Royal Tyrrell Museum of Paleontology, Alberta
Research Associate – 1998 to present. Louisiana State Univ. Museum of Natural Science

HONORS AND AWARDS

Fulbright Postdoctoral Research Fellowship, Alberta, Canada. 1999.
Outstanding Graduate Student Award. LSU Museum of Natural Science. 1998

PUBLICATIONS AND ABSTRACTS

Books:

Sankey, J.T. and S. Baszio, eds. In Press. *The Unique Role of Vertebrate Microfossil Assemblages in Paleoecology and Paleobiology*. Indiana University Press.

Table of Contents:

Part I. Importance of microvertebrate sites, sampling, statistical methods, and taphonomy

Chapter 1. Information from microvertebrate localities - potentials and limits. Sven Baszio, University of Bonn

Chapter 2. Vertebrate microsite sampling: How much is enough? Heather A. Jamniczky, University of Calgary, Donald B. Brinkman, Royal Tyrrell Museum of Paleontology, and Anthony P. Russell, University of Calgary

Chapter 3. Taphonomic issues relating to concentrations of pedogenic nodules and vertebrates in the Paleocene and Miocene Gulf Coastal Plain: Examples from Texas and Louisiana. Judith A. Schiebout and Paul D. White, Louisiana State University

Part II. Guild Analysis, Ecological and Faunal Analyses, Biodiversity, and Paleobiogeography

Chapter 4. The structure of Late Cretaceous (late Campanian) non-marine aquatic communities: A guild analysis of two vertebrate microfossil localities in Dinosaur Provincial Park, Alberta. Donald Brinkman, Royal Tyrrell Museum of Paleontology

Chapter 5. Vertebrate paleoecology from microsites, upper Aguja Formation (Late Cretaceous), Big Bend National Park, Texas. Julia T. Sankey, California State University, Stanislaus

Chapter 6. Terrestrial and aquatic vertebrate paleocommunities of the Mesaverde Formation (upper Cretaceous, Campanian) of the Wind River and Bighorn Basins, Wyoming. David DeMar and Brent Breithaupt, University of Wyoming, Laramie

Chapter 7. Microwear patterns on teeth of sauropods and their paleobiological interpretation. Tony Fiorillo, Dallas Museum of Natural History

Chapter 8. Diversity of Latest Cretaceous (Late Maastrichtian) Small Theropods and Birds: Teeth from the Lance and Hell Creek Formations. Julia T. Sankey, California State University, Stanislaus

Chapter 9. Small theropod teeth from the Lance Formation of Wyoming. Nick Longrich, University of Calgary, Alberta

Chapter 10. The first serrated bird tooth. Philip J. Currie, University of Alberta and Clive Coy, Aquila Books

Chapter 11. First dinosaur eggshells from Texas: Aguja Formation (late Campanian), Big Bend National Park. Ed Welsh, Museum of Geology, South Dakota School of Mines and Technology and Julia Sankey, California State University, Stanislaus

Chapter 12. Review of the Albanerpetontidae (Lissamphibia), with comments on the paleoecological preferences of European Tertiary albanerpetontids. Jim Gardner, Royal Tyrrell Museum of Paleontology and Madelaine Bohme, University of Munich

Chapter 13. Frogs of the Hell Creek Formation. Jim Gardner, Royal Tyrrell Museum of Paleontology

Articles:

- Nydam, R.L., J.G. Eaton, and J.T. Sankey. In Press (2007). New taxa and revisions of polyglyphanodontine lizards (Squamata: Scincomorpha) from the upper Cretaceous of North America. *Journal of Paleontology* (28 pp, 6 figs, 1 app).
- Sankey, J.T. 2006. Turtles of the Upper Aguja Formation (Late Campanian), Big Bend National Park, Texas; pp. 235-243. In: *Late Cretaceous Vertebrates from the Western Interior*. Bulletin 35, S. Lucas and R. Sullivan (eds). New Mexico Museum of Natural History and Science (Albuquerque).
- Sankey, J.T. 2005. Late Cretaceous vertebrate paleoecology, Big Bend National Park, Texas; pp. 98-106 In: *Dinosaur Park Symposium, Short Papers, Abstracts, and Program*, D.R. Braman, F. Therrien, E.B. Koppelhus, and W. Taylor (eds). Special Publication of the Royal Tyrrell Museum, September 24-25, 2005. Drumheller, Alberta, Canada.
- Sankey, J.T., D.B. Brinkman, M. Guenther, and P.J. Currie. 2002. Small theropod and bird teeth from the Judith River Group (late Campanian), Alberta. *Journal of Paleontology* 76(4):751-763.
- Sankey, J.T. and W.A. Gose. 2001. Late Cretaceous mammals and magnetostratigraphy, Big Bend, Texas. *Occasional Papers of the Museum of Natural Science, Louisiana State University* No. 77:1-16.
- Sankey, J.T. 2001. Late Campanian southern dinosaurs, Aguja Formation, Big Bend, Texas. *Journal of Paleontology* 75(1):208-215.
- Sankey, J.T., T.R. Van Devender, and W.H. Clark. 2001. Late Holocene plants, Cataviña, Baja California, Mexico. *Southwestern Naturalist* 46(1):1-7.
- Clark, W.H. and J.T. Sankey. 1999. Late Holocene Sonoran Desert arthropod remains from a packrat midden, Cataviña, Baja California Norté, México. *Pan-Pacific Entomologist* 75(4):183-199.
- Schiebout, J.A., S. Ting, and J.T. Sankey. 1997. Microvertebrate concentrations in pedogenic nodule conglomerates: recognizing the rocks and recovering and interpreting the fossils. *Palaeontologia Electronica*. 1(2):54 pp.
http://palaeo-electronica.org/1998_2/toc.htm
- Sankey, J.T. 1996. Vertebrate paleontology and magnetostratigraphy of the Upper Glens Ferry (latest Pliocene) and Lower Bruneau (Pliocene-Pleistocene) Formations, near Murphy, southwestern Idaho. *Journal of the Idaho Academy of Science*, 32(1/2):71-88.

Book Chapters

- Sankey, J.T. In Press. Vertebrate paleoecology from microsites, upper Aguja Formation (Late Cretaceous), Big Bend National Park, Texas (26 pp, 4 figs, 1 table). In: *The Unique Role of Vertebrate Microfossil Assemblages in Paleoecology and Paleobiology*, J.T. Sankey, and S. Baszio (eds). Indiana University Press (Bloomington).
- Sankey, J.T. In Press. Diversity of Latest Cretaceous (late Maastrichtian) small theropods and birds: teeth from the Lance and Hell Creek Formations, (19 pp, 4 figs, 5 tables). In: *The Unique Role of Vertebrate Microfossil Assemblages in Paleoecology and Paleobiology*, J.T. Sankey, and S. Baszio (eds). Indiana University Press (Bloomington).
- Welsh, E. and Sankey, J.T. In Press. First dinosaur eggshells from Texas: Aguja Formation (late Campanian), Big Bend National Park (20 pp, 3 figs) In: *The Unique Role of Vertebrate Microfossil Assemblages in Paleoecology and Paleobiology*, J.T. Sankey and S. Baszio (eds). Indiana University Press (Bloomington).

- Sankey, J.T., D.B. Brinkman, R.C. Fox, and D.A. Eberth. 2005. Patterns of distribution of mammals in the Dinosaur Park Formation and their paleobiological significance; pp. 436-449. In: *Dinosaur Provincial Park, Alberta*, P.J. Currie and E. Koppelhus (eds). Indiana University Press (Bloomington).
- Sankey, J.T., B.R. Standhardt, and J.A. Schiebout. 2005. Theropod teeth from the Upper Cretaceous (Campanian-Maastrichtian), Big Bend National Park, Texas; pp. 127-152. In: *Carnivorous Dinosaurs*, Ken Carpenter (ed), Indiana University Press (Bloomington).
- Sankey, J.T. 2002. Vertebrate paleontology and magnetostratigraphy of the Glens Ferry and Bruneau Formations (Plio-Pleistocene), near Murphy, southwestern Idaho; pp. 1-49 In: W.A. Akersten, H.G. McDonald, D.J. Meldrum, and M.E.T. Flint (eds), *And Whereas... Papers on the Vertebrate Paleontology of Idaho Honoring John A. White, Volume 2*. Idaho Museum of Natural History Occasional Paper 37.
- Mead, J.I., J.T. Sankey, and H.G. McDonald. 1998. Pliocene (Blancan) herpetofaunas from the Glens Ferry Formation, southern Idaho; pp. 94-109 In: W.A. Akersten, H.G. McDonald, D.J. Meldrum, and M.E.T. Flint (eds), *And Whereas... Papers on the Vertebrate Paleontology of Idaho Honoring John A. White, Volume 2*. Idaho Museum of Natural History Occasional Paper 36.

Campus Publications

- Sankey, J.T. 2004. The case of the mystery conglomerate: geology students making scientific discoveries. Pp. 53-56. California State University, Stanislaus Faculty Voices, Volume II.

Technical Reports

- Schiebout, J.A., J.T. Sankey, B.R. Standhardt, and J. Ramcharan. 1998. Louisiana State University Museum of Natural Science collections from Late Cretaceous through Early Eocene microvertebrate sites, Big Bend National Park, Texas; pp. 32-35 In: V.L. Santucci and L. McClelland (eds.), *National Park Service Paleontological Research*, Geological Resources Division Technical Report NPS/NRGRD/GRDTR-98/01.
- Sankey, J.T. 1995. A very late Blancan vertebrate fauna and associated magnetostratigraphy, southwestern Idaho. *Field Guide, Western Association of Vertebrate Paleontology, Annual Meeting* (Hagerman, ID), 15 pp.

Dissertation & Thesis:

- Sankey, J.T. 1998. *Vertebrate Paleontology and Magnetostratigraphy of the Upper Aguja Formation (Late Campanian), Talley Mountain Area, Big Bend National Park, Texas*. Ph.D. Dissertation. Louisiana State University, Baton Rouge. 263 pp.
- Sankey, J.T. 1991. *A Late Blancan-Early Irvingtonian Vertebrate Fauna and Magnetostratigraphy from the Upper Glens Ferry and Lower Bruneau Formations, Near Murphy, Southwestern Idaho*. M.S. Thesis Northern Arizona University, Flagstaff. 206 pp.

Abstracts (39 total; * indicates student)

- Sankey, J.T. 2006. Separating terrestrial from extraterrestrial effects on K/T extinctions: changes in vertebrates and climate during last 10 million years of the Cretaceous in southern North America. 66th Annual Meeting, Society of Vertebrate Paleontology, Ottawa, Ontario, Canada. *Journal of Vertebrate Paleontology Abstracts of Papers* 26(3):119A.
- Sankey, J.T. 2006. Late Cretaceous vertebrates and climate change in the southern Western Interior: Big Bend National Park, Texas, p. 31. In: *Late Cretaceous Vertebrates from the*

- Western Interior*. Bulletin 35, S. Lucas and R. Sullivan (eds). New Mexico Museum of Natural History and Science (Albuquerque).
- Sankey, J.T. 2005. Late Cretaceous dinosaurs, eggs, babies, fires, and drought in Big Bend National Park, Texas. *Journal of Vertebrate Paleontology Abstracts of Papers* 25(3):109A.
- Sankey, J.T. 2005. Evidence for fires, aridity, dinosaur babies, and eggs in Big Bend National Park, Texas. *Geological Society of America, Abstracts with Programs* 37(7):528.
- Sankey, J.T., D.B. Brinkman, R.C. Fox, and D.A. Eberth. 2005. Distribution patterns of mammals in the Dinosaur Park Formation and their paleobiological significance p. 107 In: *Dinosaur Park Symposium, Short Papers, Abstracts, and Program*, D.R. Braman, F. Therrien, E.B. Koppelhus, and W. Taylor (eds). Special Publication of the Royal Tyrrell Museum, September 24-25, 2005. Drumheller, Alberta, Canada.
- Nona*, E. S. MacInnes*, S. Gasaway*, M. Jamison*, J. Mauterer*, and J. Sankey. 2005. Ankylosaurs and more: recent dinosaur discoveries in Big Bend National Park, Texas. *Journal of Vertebrate Paleontology Abstracts of Papers* 25(3):96A.
- Sankey, J.T. 2005. Late Cretaceous Dinosaurs, Eggs, Babies, Droughts, and Fires in Big Bend National Park, Texas. The Geological Society of America, Cordilleran Section, San Jose, California, April 29- May 1, 2005. *Abstracts with Programs* 37(4):
- Sankey, J.T. 2005. Drought, Fires, Dinosaurs, Eggs, and Babies in the Late Cretaceous of Big Bend National Park, Texas. North American Paleontology Conference, Halifax, Nova Scotia, Canada. June 20-25, 2005. *PaleoBios* Museum of Paleontology University of California, Berkeley: 25(2):101.
- Sankey, J.T. 2004. The Case of the Mystery Conglomerate: Scientific Discoveries on Field Trips. In Special Session, "Using Field Observations and Field Experiences to Teach Geoscience: An Illustrated Community Discussion". Geological Society of America Annual Meeting, Denver, CO.
- Sankey, J.T. 2003. New theropod and bird teeth from the Late Cretaceous (Maastrichtian) Hell Creek and Lance Formations. Society of Vertebrate Paleontology Annual Meeting, *Journal of Vertebrate Paleontology Abstracts of Papers*:
- Sankey, J.T. 2003. Latest Cretaceous theropod dinosaur diversity in North America. Alberta Paleontological Society. Calgary, Alberta January 10, 2003.
- Sankey, J.T. 2002. Theropod dinosaur diversity in the Latest Cretaceous (Maastrichtian) of North America. *Journal of Vertebrate Paleontology Abstracts of Papers* 22(3):103A.
- Sankey, J.T. 2002. Late Cretaceous dinosaurs, Big Bend National Park, Texas. *South Dakota Academy of Science, Annual Meeting*. April, 2002.
- Sankey, J.T. and J.A. Schiebout. 2002. Late Cretaceous dinosaurs, Big Bend National Park, Texas. *Texas Academy of Science, Program and Abstracts*, p. 66.
- Sankey, J.T. 2001. Late Cretaceous theropod dinosaur paleoecology, Big Bend National Park, Texas. *Geological Society of America, Abstracts with Programs* 33(6):A-389.
- Sankey, J.T. 2001. Late Cretaceous theropod dinosaurs from new microvertebrate sites, Big Bend National Park, Texas. *Journal of Vertebrate Paleontology Abstracts of Papers* 21(3):96A.
- Sankey, J.T. and J.A. Schiebout. 2001. Late Cretaceous dinosaurs and other vertebrates in microvertebrate sites, Big Bend National Park, Texas: important paleontological resource. *The Sixth Conference on Fossil Resources, Abstracts with Programs*. Grand Junction, Colorado.
- Sankey, J.T. and D. Pearson. 2001. Theropod dinosaur assemblage, Hell Creek Formation (Late Cretaceous), North Dakota. *Proceedings of the South Dakota Academy of Science* 80:353-355.

- Farke*, A., J. Cavin*, and J. Sankey. 2001. A crocodylian footprint from the Fall River Formation (lower Cretaceous) of South Dakota. *Proceedings of the South Dakota Academy of Science* 80:419.
- Farke*, A.A., F.J. Varriale*, D.B. Lien*, J.L. Cavin*, and J.T. Sankey. 2001. First trackway evidence of vertebrate animals from the Fall River Formation (Lower Cretaceous) of western South Dakota, USA. *Journal of Vertebrate Paleontology Abstracts of Papers* 21(3):48A.
- Guenther*, M. and J. Sankey. 2001. Statistical analysis of small theropod teeth from the Late Cretaceous (late Campanian) Judith River Group, Alberta. *Proceedings of the South Dakota Academy of Science* 80:375.
- Sankey, J.T. and D.B. Brinkman. 2000. New theropod and bird teeth from the Late Cretaceous (Campanian) Judith River Group, Alberta. *Journal of Vertebrate Paleontology Abstracts of Papers* 20(3):67A.
- Sankey, J.T. 2000. Late Cretaceous theropod dinosaur diversity: latitudinal differences in North America and implications for the K/T extinctions. *Catastrophic Events and Mass Extinctions: Impacts and Beyond*. University of Vienna, Austria. Lunar and Planetary Institute Contribution No. 1053:190.
- Sankey, J.T., R.C. Fox, D.B. Brinkman, and D.A. Eberth. 1999. Paleoecology of mammals from the Dinosaur Park Formation (Judith River Group, late Campanian), southern Alberta. *Journal of Vertebrate Paleontology* 19(3):73A.
- Sankey, J.T. 1999. North-south late Campanian dinosaur diversity: west Texas vs. Alberta. *Canadian Paleontology Conference, Program and Abstracts*. No. 9 (p. 26). University of Calgary, Alberta. Aug. 20, 1999.
- Sankey, J.T. 1998. Late Campanian vertebrates (Talley Mt. local fauna) and magnetostratigraphy of the Upper Aguja Formation, Big Bend National Park, Texas. *Geological Society of America, Abstracts with Programs* 30(6):A-31.
- Sankey, J.T. 1998. Vertebrate paleontology and magnetostratigraphy, Upper Aguja Formation (late Campanian), Big Bend National Park, Texas. *Journal of Vertebrate Paleontology, Abstracts of Papers* 18(3):75A.
- Sankey, J.T. 1997. Late Cretaceous vertebrate paleontology and paleoecology, Upper Aguja Formation, Big Bend National Park, Texas. *Journal of Vertebrate Paleontology, Abstracts of Papers* 17(3):73A.
- Sankey, J.T. and J.A. Schiebout. 1997. Late Cretaceous vertebrate paleontology and magnetostratigraphy, Upper Aguja Formation, Big Bend National Park, Texas. *Geological Society of America, Abstracts with Programs* 29(6):A463
- Sankey, J.T. 1996. Late Cretaceous small vertebrates from calcareous conglomerates, Upper Aguja Formation, Big Bend National Park, Texas—an untapped resource. *Journal of Vertebrate Paleontology, Abstracts of Papers* 16(3):63A.
- Sankey, J.T. 1995. A Late Cretaceous small vertebrate fauna from the Upper Aguja Formation, Big Bend National Park, Texas. *Geological Society of America, Abstracts with Programs* 27(6):A-387.
- Sankey, J.T. 1994. A late Blaccan-early Irvingtonian vertebrate fauna and magnetostratigraphy from the Upper Glens Ferry and Lower Bruneau Formations, near Murphy, southwestern Idaho. *Journal of Vertebrate Paleontology, Abstracts of Papers* 14(3):44A.
- Sankey, J.T. and J.I. Mead. 1990. Late Blaccan amphibians and reptiles from the Upper Glens Ferry Formation, southwestern Idaho. *Journal of Vertebrate Paleontology, Abstracts of Papers* 10(3):41A.

- Clark, W.H. and J.T. Sankey. 1990. Late Holocene Sonoran Desert plant remains, pollen, and arthropods from a 1170 B.P. Packrat Midden, Baja California Norte, Mexico. *Abstracts With Program, Idaho Academy of Science*.
- Sankey, J.T. 1990. Late Blancan vertebrates and magnetostratigraphy from the Upper Glenns Ferry Formation, southwestern Idaho. *Abstracts with Program, Mojave Desert Quaternary Research Symposium, San Bernadino Co. Museum*.
- Sankey, J.T. 1989. Late Blancan vertebrates from the Upper Glenns Ferry Formation, southwestern Idaho. *Geological Society of America, Abstracts with Program*.
- Sankey, J.T. 1987. Fossil mammals from the Sinker Creek Butte and Guffey Butte area, Glenns Ferry Formation, Owyhee County, southwestern Idaho. *Abstracts with Program, Idaho Academy of Science*.
- Sankey, J.T. 1986. Fossil mammals from the Sinker Creek Butte and Guffey Butte area, Glenns Ferry Formation, Owyhee County, southwestern Idaho. Society of Vertebrate Paleontology Annual Meeting, Philadelphia, PA.

Popular Articles

- Sankey, J.T. In Press. Dinosaurs, eggshells, and babies from Late Cretaceous microvertebrate sites in Big Bend National Park, Texas. *National Park Service Paleontology Newsletter*.
- Sankey, J.T. 2004. The Mystery Conglomerate: Surprises on Field Trips and Undergraduate Research. *Gaea, Newsletter of the Association of Women Geoscientists*. 27(4):8-9.
- Sankey, J.T. 2002. Dinosaurs and other Late Cretaceous wildlife of Big Bend National Park, Texas. *National Park Science*. 21(2):7.
- Sankey, J.T. 2002. High school students in science: an example from paleontology in Bend National Park, Texas. *Gaea, Newsletter of the Association of Women Geoscientists*, 25 (1).
- Sankey, J.T. 2002. Teacher workshop in paleontology. *Gaea, Newsletter of the Association of Women Geoscientists*, 25(1).

INVITED TALKS

- “Paleoecology and paleoclimate of a *Chasmosaurus mariscalensis* bonebed, Late Cretaceous (late Campanian), Big Bend National Park, Texas”
Museum of Paleontology, University of California, Berkeley, April 6, 2007
- “Responses of Late Cretaceous paleocommunities to climate change in southern North America”
Department of Geology, Baylor University, January 27, 2006
Department of Geology and Geophysics, Louisiana State University, February 3, 2006
Museum of Paleontology, University of California, Berkeley, April 7, 2006
Department of Geology and Geophysics, University of California, Davis, April 14, 2006
Department of Geology and Geophysics, University of Alaska, Fairbanks, April 21, 2006
- “Big Bend dinosaurs and other Cretaceous wildlife”
Big Bend National Park, January 17, 2006
- “Late Cretaceous Vertebrate Paleoecology Big Bend National Park, Texas”.
Dinosaur Park Symposium, Royal Tyrrell Museum, Drumheller, Alberta, Canada. Sept. 24, 2005.
- “Dinosaur extinction: impact, climate change, or both?”
The Maritime Aquarium at Norwalk, Connecticut (honorarium), March 12, 2003
- “Latest Cretaceous theropod dinosaur diversity in North America.”

Royal Tyrrell Museum of Paleontology, Drumheller, Alberta, Canada. January 10, 2003.
 University of California, Berkeley, March 19, 2003
 “Dinosaurs and other Cretaceous wildlife of Big Bend National Park, Texas.”
 Vassar College, Poughkeepsie, New York, May 2002.
 National Park Service, Geologic Resources Division, Denver, Colorado, March 2002
 “Big Bend National Park, Dinosaurs and Ants: Student Challenge Awards Project, Summer, 2000” and “The end of the dinosaurs: tracking theropod dinosaur diversity in the Hell Creek Formation, Southwestern North Dakota: Regular Earthwatch Project”
 Earthwatch Institute’s Principal Investigator Conference, The Role of Volunteers in Science, Education and Conservation. Harvard Science Center, Cambridge, MA, Nov, 2000
 Royal Tyrrell Museum of Paleontology, March 1999
 University of Chicago, Dept. of Geophysical Sciences, April 1999

FELLOWSHIPS AND GRANTS

Petroleum Research Fund, American Chemical Society. (In Preparation). What were the effects of Late Cretaceous and early Paleocene climate change on the vertebrates of Big Bend National Park, Texas? A field and lab research project involving undergraduate students” (\$65,000).
 CSUS, Research, Scholarship, and Creative Activity Grants (2006) – “What were the effects of Late Cretaceous climate change on the vertebrates of Big Bend National Park, Texas, prior to the Cretaceous/Tertiary (K/T) mass extinctions? A field and lab research project involving undergraduate students” (\$5,000).
 CSUS, Travel Grant (2006). Society of Vertebrate Paleontology annual meeting, Ottawa, Ontario, Canada (\$800).
 CSUS, Travel Grant (2005). Dinosaur Park Symposium, Drumheller, Alberta, Canada and Society of Vertebrate Paleontology annual meeting, Mesa, Arizona (\$700).
 CSUS, Travel Grant (2004). Geological Society of America annual meeting, Denver (\$700).
 CSUS, Research, Scholarship, and Creative Activity Grants (2004)-“Late Cretaceous Paleontology and Geology of Big Bend National Park, Texas” (\$3,000)
 CSUS Faculty Center for Excellence in Teaching and Learning (2004) – Instructional Support Mini-Grant to attend workshop, “On the Cutting Edge, Professional Development for Geoscience Faculty: Designing Effective and Innovative Courses in the Geosciences”, Central Michigan University (\$400).
 CSUS, Dean’s Office, Start-up/Matching Funds (2004): \$3,000.
 CSUS, Affirmative Action Grant Proposal (2003)– “Assistance for Professional Development: Preparation of Publications, Grant Proposals, and New Courses”(\$4,250).
 CSUS, Travel Grant (October, 2003) – Society of Vertebrate Paleontology annual meeting, St. Paul, Minnesota (\$700).
 CSUS, Dean’s Teaching Initiatives (Nov. 2003), \$2,000 (with Biology faculty).
 Vassar College, Travel Support to Society of Vertebrate Paleontology annual conference and research trip to Tyrrell Museum of Paleontology, Alberta. \$1500.
 Earthwatch Institute, Center for Field Research - “North Dakota dinosaurs” (\$10,400) 2002.
 Teacher Workshop - Subcontract to grant from Black Hills State University, “Fossils of South and North Dakota” (\$11,228), 2001-02.
 National Geographic Society Research Grant - “Late Cretaceous diversity of theropod dinosaurs and mammals, Hell Creek Formation, North Dakota” (\$11,000), 2001.

South Dakota School of Mines and Technology (SDSM&T) – Student Travel Grant “Student participation at the South Dakota Academy of Science annual meeting” (\$1,500), 2001-02.
 SDSM&T - Travel, publication, and graduate student support, 2000-02.
 SDSM&T - Haslem budget (\$6,000/year), 1999-2002.
 Sigma Xi-National - Lectureship subsidy (\$600) to Black Hills Regional Chapter, 2001.
 Jurassic Foundation - “Taxonomy of late Maastrichtian North American theropod dinosaur teeth in the University of California-Berkeley’s Museum of Paleontology” (\$2,000), 2001.
 SDSM&T Nelson Grant - “Late Cretaceous dinosaurs and climate change, Big Bend National Park, Texas” (\$5,000), 2001.
 Welles Fund, University of California Museum of Paleontology - “Taxonomy of late Maastrichtian North American theropod dinosaur teeth in UCMP” (\$500), 2001.
 Earthwatch Institute, Durfee Student Challenge Awards - "Dinosaurs and other Cretaceous wildlife of Big Bend National Park, Texas” (\$13,600), 2000.
 Jurassic Foundation Research Grant - "Magnetostratigraphy of the upper Aguja Formation (late Campanian-early Maastrichtian), Big Bend National Park, Texas: Implications for Late Cretaceous dinosaur biogeography" (\$3,727), 1999.
 National Science Foundation – 4 proposals totaling ~\$1.5 million submitted while I was a postdoctoral fellow at SDSMT; none awarded although last proposal had several excellent reviews.
 Fulbright Postdoctoral Research Fellowship Alberta, Canada - "A biogeographical comparison between the northern and southern Late Cretaceous vertebrate faunas and paleoecology, comparing Alberta, Canada and Big Bend, Texas, U.S.", 1999.
 The Dinosaur Society Research Grant - "Paleoecology and biostratigraphy of dinosaurs and associated vertebrates from Late Cretaceous calcareous conglomerates, Talley Mountain area, Big Bend National Park, Texas" (\$10,827), 1996.
 Fund-raised for LSU geology field trip in western Venezuela (\$7,050), 1997.
 7 grants - MS thesis, 1989-1991.
 7 scholarships/awards – undergraduate, 1983-1987.

TEACHING EXPERIENCE

Assistant Professor

California State University, Stanislaus, Department of Physics and Geology, 2003 to present
 Dinosaurs
 History of Earth and Life
 Sedimentary Rocks and Depositional Environments
 Stratigraphy/Paleontology
 California Geology
 Introduction to Earth Science
 Principles of Geology Lecture & Lab
 Field Excursions - Big Bend National Park, Texas
 Independent Study

Visiting Assistant Professor

Vassar College, Department of Geology and Geography, 2002 to 2003.

Geomorphology
 Advanced Environmental Geology
 Evolution of Earth and its Life

Haslem Fellow/Assistant Professor

South Dakota School of Mines & Technology, Department of Geology and Geological Engineering, 1999 to 2002.

Graduate Seminar in Paleontology: Cretaceous/Tertiary Extinctions:
 Vertebrate Paleontology
 Workshop for Teachers

Instructor

Louisiana State University, Department of Geology and Geophysics, 1997 to 1998.

Historical Geology
 Freshman Geology

RESEARCH EXPERIENCE (RECENT)

Haslem Postdoctoral Research Fellowship/Assistant Professor

(South Dakota School of Mines and Technology, 1999-2002)

Evolution and extinction within theropod dinosaurs and mammals near the Cretaceous/Tertiary boundary from Big Bend National Park, Texas and southwestern North Dakota.

Fulbright Postdoctoral Fellowship

(University of Alberta and Royal Tyrrell Museum of Paleontology, 1999)

A biogeographical comparison between the northern and southern Late Cretaceous vertebrate faunas and paleoecology, comparing Alberta, Canada and Big Bend, Texas, U.S..

FIELD EXPEDITIONS LED

Big Bend National Park, Texas (Late Cretaceous paleontology and geology):

January, 2007: 3 CSUS undergraduates; 1 CSUS graduate; and 1 UC Berkeley Ph.D. student).

January, 2006 - 1 SDSM&T student.

January, 2005 - 4 CSUS undergraduate students and 1 SDSM&T student.

May, 2002 - co-led field trip with Chadron State University (10 students)

January, 2002 - 3 SDSM&T students (1 undergraduate and 2 graduate students).

August, 2000: 8 high school students sponsored by Earthwatch Durfee Student Challenge Awards.

North Dakota (Late Cretaceous paleontology and geology of the Hell Creek Formation):

2001-2002: 4 SDSM&T students (2 undergraduate & 3 graduate students)

June, 2002: 15 Earthwatch volunteers.

K/T Boundary in Raton Basin, New Mexico - SDSM&T students, 2000

Venezuela – student co-leader of LSU field trip, 1997

Idaho (Pliocene-Pleistocene geology and paleontology)– Volunteers, Summer, 1989-90.

ADDITIONAL TRAINING

Northern California Geological Society field trip, "Geology and Groundwater Resources of the Merced Formation in the Westside Basin of the Coastal San Mateo and San Francisco Counties" July 10, 2004. Leaders, Ed Clifton, Ralph Hunter (USGS) and Greg Bartow (San Francisco Public Utility Commission).

On the Cutting Edge Workshop – “Designing Effective and Innovative Courses in the Geosciences”, NSF-supported workshop for geoscience faculty at Central Michigan University, July 21-25, 2004. Leaders: Drs. Barbara Tewksbury and Heather MacDonald.

“How to get a research program started at a primarily undergraduate institution (PUI)”, Workshop sponsored by the Council on Undergraduate Research-Geosciences Division, American Geophysical Society Annual Meeting, San Francisco, December 9, 2003.

On the Cutting Edge Workshop – “Early Career Geoscience Faculty: Teaching, Research, and Managing your Career”, NSF-supported workshop for geoscience faculty at College of William and Mary, June 5-10, 2003. Leaders: Heather Macdonald.

First Aid/CPR, Rapid City, South Dakota, 2001.

Earthwatch Institute, Principle Investigators Workshop, Boston, MA, 2000.

Short course on GPS/GIS, Society of Vertebrate Paleontology, 1999

Short course and field trip, “K/T Boundary in the Raton Basin, New Mexico and Colorado: Evidence for Asteroid Impact”, Geological Society of America, Chuck Pilmore, 1999

Short course and field trip, Modern Deltas Field Seminar, American Association of Petroleum Geologists. Dr. Harry Roberts, 1997

PROFESSIONAL MEMBERSHIP

American Association for Advancement of Science

American Geophysical Union

Association for Women in Science

Association for Women Geoscientists

Geological Society of America

Paleontological Society

Sigma Xi- The Scientific Research Society

Society for Sedimentary Geology

Society of Vertebrate Paleontology

PROFESSIONAL SERVICE

Reviewer:

Manuscripts-

Gondwana Research (one manuscript, 2006)

The Unique Role of Vertebrate Microfossil Assemblages in Paleoecology and Paleobiology, (two

manuscripts, 2006).
Acta Palaeontologica Polonica (one manuscript, 2006)
Revista Brasileira de Paleontologia (one manuscript, 2006)
Bulletin of the New Mexico Museum of Natural History and Science (two manuscripts, 2006)
Hell Creek (science fiction novel, 2006)
Dinosaur Provincial Park, Alberta (three manuscripts, 2004)
The Theropods (one manuscript, 2003)
The Journal of Biosciences (one manuscript, 2001).

Grant Proposals-

National Science Foundation (Geology and Paleontology, Biological Research Collections, Systematic Biology Programs, one to three grant proposal/year, 2000 to 2005)
 Earthwatch Institute (one grant proposal, 2000)
 Geological Society of America (68 student grant proposals in 2004 & 90 in 2005).

Award Applications-

Association for Women Geoscientists' Geologists in the Parks Program (2001)

Committee Service:

Geological Society of America – Grants Committee (2004-06). Elected to committee with 12 members. Review 68 - 90 grant proposals/year. Meet at GSA in Boulder to distribute \$0.5 million and to choose special award winners.
 Society of Vertebrate Paleontology - Government Liaison Committee (2001- present), Membership Committee (2002-present), Standing Committee on Ethics Education (2005-present).
 Sigma Xi, The Scientific Research Society, Black Hills Chapter Secretary (2000-2002)
 Association for Women in Science Baton Rouge Chapter President (1996-1997)
 Geological Society of America Session Chair (2002)
 South Dakota Academy of Science Session Chair (2001-2002)

UNIVERSITY SERVICE

CSU Stanislaus - Department Senator to Academic Senate (2004-06), Geology Curriculum Committee (2003-present), Geology Program Liaison to Library (2003-present); President's Commission on the Status of Women (2004-2006), Search Committee member (2004-06), Member of Interdisciplinary Studies Program (2005-07), Member of the University Reaccreditation committee (2006-2008).
 SDSM&T Museum of Geology Director, Search Committee (2000) & Graduate Program application reviews (2000-02).
 LSU Field Trip Coordinator to Venezuela (1997) & Museum of Natural Science Coordinator of Volunteers (1994-98).

STUDENT ADVISING**Advising/Mentoring:**

External examiner of Ph.D. student, Tanya Samman, Department of Geology and Geophysics, University of Calgary, October 25, 2006.

Undergraduate students, CSUS.

Graduate students, SDSM&T. Co-advised and funded 2 first year MS Paleontology graduate students, 2001-2002

Undergraduates, SDSM&T. Mentored 2 undergraduate geology students, 2001-02.

High School Students from Earthwatch Student Challenge Awards (9), 2000-2002

Student Participation in Research:

Late Cretaceous, Big Bend National Park, Texas. Students from high schools (2000), South Dakota School of Mines and Technology (SDSM&T, 2000-2003), Chadron State University, Nebraska (2002), and CSU Stanislaus (2005-present).

Tertiary Conglomerates, California. 3 undergraduate students from California State University, Stanislaus. 2004.

K/T Extinctions, Hell Creek Formation, North Dakota. 5 students from SDSM&T, 2000-2002.

Cretaceous Crocodylian Track Site, Black Hills, South Dakota. 4 students from SDSM&T, 2001-2002.

Student Employment:

Employed two CSUS undergraduate students on research projects (2004-5).

Employed eight SDSM&T undergraduate and graduate students on Hell Creek and Big Bend research projects.