

## VITAE: DR. DONALD L. LOFGREN

Raymond M. Alf Museum of Paleontology  
1175 West Base Line Road  
Claremont, California 91711  
909-482-5242; dlofgren@webb.org

### ACADEMIC BACKGROUND

1990: Doctor of Philosophy in Paleontology; University of California, Berkeley  
1985: Masters of Science in Geology; University of Montana, Missoula  
1983: Bachelors of Arts in Geology; University of Minnesota, Minneapolis

### MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Society of Vertebrate Paleontology  
-Chair of Development Committee (1996-98)  
-Member of Morris Skinner Prize Committee (1994-1997)  
Geological Society of America  
The Paleontological Society  
American Alliance of Museums  
Association of Science Museum Directors

### WORK EXPERIENCE:

--2008-present: Director; Raymond M. Alf Museum of Paleontology. Senior administrative and research position, assists curator of paleontology with collections efforts, research paleontologist, and president of nonprofit corporation whose operations monitored by Trustee Board. Also, teaches high school classes in paleontology, museum studies, and research at The Webb Schools as a member of the Science Department.

--1991-2008: Director and Curator; Raymond M. Alf Museum of Paleontology. Senior administrative and research position, acts as chief curator of the collections, research paleontologist, and president of nonprofit corporation whose operations monitored by Trustee Board. Also, teaches high school classes in paleontology and museum studies at The Webb Schools as a member of the Science Department.

--1990-91: Museum Scientist, Museum of Paleontology, University of California, Berkeley, California.

--1985-90: Student Curator, Museum of Paleontology, UC Berkeley.

## RESEARCH: DONALD L. LOFGREN

1991-present: Various research projects; primarily interested in the study of Late Cretaceous-Early Tertiary mammals. Major focus was K-T mammals and biostratigraphy in eastern Montana. Current focus is on biostratigraphy and systematics of Early-Mid Tertiary mammals for areas of Montana and California. Hold federal permits for paleontological investigation of Barstow and Goler formations of California and the Kaiparowits Formation of Utah.

1987-90: Research Assistant for Dr. William Clemens, Museum of Paleontology, UC-Berkeley; Supervisor of specimen curation of Cretaceous-Paleocene mammals from Montana.

1986-1990: Dissertation and Field Work: Facies Analysis and Vertebrate Biostratigraphy, Hell Creek and Tullock formations, McCone Co., Mt. DISSERTATION: The Bug Creek Problem and the K-T Transition at McGuire Creek, Montana: University of California, Berkeley, 398p.

1984-85: Thesis and Field Work: Vertebrate Biostratigraphy/Basin Analysis, Renova and Six Mile Creek formations North Boulder Basin, Jefferson Co., Mt. THESIS: Tertiary Vertebrate Paleontology, Stratigraphy, and Structure, North Boulder Basin, Jefferson Co., Mt: Univ. of Mont., Missoula; 113p.

## GRANTS

2000: Principal Investigator on National Geographic Society Scientific Research Grant 6736-00, Title: Paleocene Mammals from south-central California.

1996-7: Research Associate on National Science Foundation Grant to W.A. Clemens, Museum of Paleontology, UC Berkeley; Project Title: Recovery of Vertebrate Faunas after K-T Boundary, Tullock Formation, Eastern Montana.

1991: University Research Expeditions Program: University of California grant to support field research of the vertebrate faunas from the Hell Creek and Tullock fms of Montana.

1984: American Association of Petroleum Geologists Grant-In-Aid Award in support of thesis work at University of Montana.

1984: Elbridge and Mary Stuart Foundation Award (Geology) in support of thesis research at University of Montana.

## PUBLICATIONS OF DON LOFGREN

### ---PRE-WEBB RESEARCH

1990: Lofgren, D.L., Hotton, C., and A. C. Runkel. Reworking of Cretaceous Dinosaurs into Paleocene channel deposits, upper Hell Creek Formation, Montana: *Geology* 18: 874-877.

1990: Archibald, J.D., and D. L. Lofgren. Mammalian zonation near the Cretaceous-Tertiary boundary in the Western Interior of North America: p. 31-50, in Rose, K.D., and Bown, T., eds., Dawn of the Age of Mammals in the Northern Part of the Rocky Mountain Interior, North America. Geological Society of America Special Paper 243.

1990: Lofgren, D. L., The Bug Creek Problem and the Cretaceous-Tertiary Transition at McGuire Creek, Montana: University of California, Berkeley, 398p. (PhD diss., publ.1995).

1992: Lofgren, D.L., Upper Premolar Configuration of *Didelphodon vorax* (Mammalia, Marsupialia, Stagodontidae): *Journal of Paleontology* 66:162-164.

1995: Lofgren, D.L., The Bug Creek Problem and the Cretaceous-Tertiary Transition at McGuire Creek, Montana: University of California Publications in Geological Sciences 140:1-185.

### ----WEBB RESEARCH (students in bold)

1996. Lofgren, D.L., Students as Museum Scientists: p. 35-44, in Scotchmoor, J., and McKinney, F.K., eds., Learning from the Fossil Record. The Paleontological Society Papers, volume 2.

1997. Lofgren, D.L., The Hell Creek Formation: p. 302, in Currie, P., and Padian, K., eds., The Dinosaur Encyclopedia, Academic Press.

1999. **Anderson, L.** and D. L. Lofgren. Dem Bones: Paleontology and Museum Studies at The Webb Schools: Independent School Magazine 58:66-70.

2002. Lofgren, D.L. and M. C. McKenna. The Goler Formation of California: p. 66-68, in R. Reynolds, ed., Between the Basins: Exploring the western margin and southern Basin and Range province. California State University Desert Studies Consortium.

2003. Lofgren, D.L., High School Students as Museum Scientists. The Informal Learning Review. 61:11-15

2003. **Glavan, M.** and D. L. Lofgren. Fossils for Teens. Geotimes, News Magazine of the Earth Sciences (AGI) Oct.:13-14.

2003. McKenna, M.C. and D.L. Lofgren. *Mimotricentes tedfordi*, a New Arctocyonid from the Late Paleocene of California: Bulletin of the American Museum of Natural History 279:632-643.

2004. Lofgren, D.L., McKenna, M., Walsh, S., and **M. Lauria.** Paleocene Mammals from the

Goler Formation of California: p. 5-12, in Proceedings of the BLM Millennium Conference, The Human Journey and Ancient Life in California's Deserts.

2004. Lofgren, D.L., Lillegraven, J., Clemens, W., Gingerich, P., and T. Williamson. Paleocene Biochronology of North America: The Puercan through Clarkforkian Land Mammal Ages: p. 43-105, in Late Cretaceous and Cenozoic Land Mammals of North America, ed. M. Woodburne, Columbia Univ. Press.

2004. Cifelli, R.C., Eberle, J.J., Lofgren, D.L., Lillegraven, J., W. A. Clemens. Mammalian Biochronology of the Latest Cretaceous: p. 21-42, in Late Cretaceous and Cenozoic Land Mammals of North America, ed. M. Woodburne, Columbia Univ. Press.

2005. Lofgren, D.L., **B.E. Scherer, C.K. Clark**, and B. Standhardt. First record of *Stygmimys* (Mammalia, Multituberculata, Eucosmodontidae) from the Paleocene (Puercan) part of the North Horn Formation, Utah, and a review of the genus. *Journal of Mammalian Evolution*, v. 12, p. 77-97.

2005. Lofgren, D.L., Dr. Raymond M. Alf: A man who made the most of his moment in time. Privately printed, 44p.

2006. Lofgren, D.L., **Greening, J.A., Johnson, C.F., Lewis, S.J, and M.A. Torres**. Footprints on the Sands of Time: Fossil Tracks at the Raymond Alf Museum of Paleontology: p. 52-62 in Making Tracks across the Southwest, R.E. Reynolds ed., Field Guide and Abstracts from 2006 Desert Symposium Proceedings, California State University Desert Studies Consortium.

2006. Lofgren, D.L., **Greening, J.A., Johnson, C.F., Lewis, S.J, and M.A. Torres**. Fossil Tracks at the Raymond Alf Museum of Paleontology and management of tracks on public lands: p. 109-118 in America's Antiquities: 100 Years of Managing Fossils on Federal Lands, S.G. Lucas, J.A. Spielman, P.M. Hester, J.P. Kenworthy, and V.L. Santucci eds., New Mexico Museum of Natural History & Science Bulletin 34.

2006. Lofgren, D.L., **Greening, J.A., Johnson, C.F., Lewis, S.J, and M.A. Torres**. Fossil Tracks at the Raymond Alf Museum of Paleontology: p. 35-43 in 12th Annual Tate Museum Symposium in Paleontology and Geology: Trackways and Trace Fossils.

2006. Lofgren, D.L., Dedication to Raymond Manfred Alf: p. 1, Cenozoic Vertebrate Tracks and Traces, eds. Lucas, S.G., Spielmann, J.A., and M.G. Lockley. New Mexico Museum of Natural History and Science Bulletin 42.

2008. Lofgren, D.L., Honey, J.G., McKenna, M.C., **Zondervan, R.L., and E. E. Smith**. Paleocene primates from the Goler Formation of California: Science Series Number 41, Natural History Museum of Los Angeles County: 11-28.

2008. McKenna, M.C., Honey, J.G., and D.L. Lofgren. *Goleroconus alfi*, a new small peripitychid (Mammalia, Eparctocyona) from the late Paleocene of California: Science Series Number 41, Natural History Museum of Los Angeles County: 29-42.

2009. Lofgren, D., Nydam, R., Honey, J., Albright, B., **McGee, C., and S. Manning**. The Goler Club: How One Man's Passion Opened a Rare Window into California's Geologic Past. p.148-158, in Landscape Evolution at an Active Plate Margin, eds. R. Reynolds and D. Jessey, Field Guide and Proceedings from 2009 Desert Symposium Proceedings, California State University Desert Studies Consortium.

2009. Albright, L. B, III, Lofgren, D.L., and M.C. McKenna. Magnetostratigraphy, mammalian biostratigraphy, and refined age assessment of the Goler Formation (Paleocene), California. p. 259-277, in Papers on Geology, Paleontology, and Biostratigraphy in Honor of Michael O. Woodburne, ed. L. B Albright III, Museum of Northern Arizona Bulletin 65.

2010. Lofgren, D.L., and **R. Anand**. 75 years of fieldwork in the Barstow Formation by the Raymond M. Alf Museum of Paleontology. pp. 169-176, in: R.E. Reynolds and D.M. Miller (eds.). Overboard in the Mojave: 20 Million Years of Lakes and Wetlands. Desert Studies Consortium: Fullerton, California.

2010. Lofgren, D.L., **B.A. Silver, T.A. Hinkle, and F. Ali-Khan**. New marine sites from Member 4D of the Goler Formation of California. pp. 232-240, in: R.E. Reynolds and D.M. Miller (eds.). Overboard in the Mojave: 20 Million Years of Lakes and Wetlands. Desert Studies Consortium, California State University.

2011. Lofgren, D. L., and **R. S. Anand**. Partial skull of *Zygodolophodon* (Mammalia, Proboscidea) from the Barstow Formation of California, Journal of Vertebrate Paleontology, 31:6, 1392-1396.

2012. Lofgren, D. L., **A. Hess, D. Silver, and P. Liskanich**. Review of proboscideans from the Middle Miocene Barstow Formation of California. Pp. 125-134, in : R.E. Reynolds (ed.). Searching for the Pliocene: Southern Exposures. Desert Studies Consortium, California State University.

2012. Lofgren, D. L., **B. M. Gaytan, M. Pastrano, J. E. Rice and R. L. Zheng**. First record of *Kimbetohia campi* (Mammalia, Multituberculata) from the Paleocene part of the North Horn Formation, Utah. Journal of Vertebrate Paleontology 32:1214-1217.

2013. **Plyley, A. S., D. L. Lofgren and A. A. Farke**. Nonmarine gastropods from the Temblor and Barstow formations of California. Pp. 68-72, in R. E. Reynolds (ed.), Raising Questions in the Central Mojave Desert, California State University Desert Studies Center 2013 Desert Symposium.

2013. **Gonzalez, B,** and D. L. Lofgren. Review of *Megahippus* and *Hypohippus* from the middle Miocene Barstow Formation of California Pp. 78-89, in R. E. Reynolds (ed.), Raising Questions in the Central Mojave Desert, California State University Desert Studies Center 2013 Desert Symposium.

2014. Williamson, T. E., and D. L. Lofgren. Late Paleocene (Tiffanian) metatherians from the Goler Formation, California. Journal of Vertebrate Paleontology 34: 477-482.

2014. Lofgren, D. L., M. C. McKenna, J. Honey, R. Nydam, **C. Wheaton, B. Yokote, L. Henn, W. Hanlon, S. Manning, and C. McGee**. New records of eutherian mammals from the Goler Formation (Tiffanian, Paleocene) of California and their biostratigraphic and paleobiogeographic implications. *American Museum Novitates* 3797:1-57.

2014. Lofgren, D. L., and **H. Choi**. Tortoises from the middle Miocene Barstow Formation of California. California State University-Fullerton Desert Studies Consortium, 2014 Desert Symposium Field Guide and Proceedings, p. 150-154.

2014. Lofgren, D. L., **C. Kwon, J. Todd, S. Marquez, A Holliday, R. Stoddard**, and P. Kloess. Preliminary analysis of an important vertebrate bearing horizon with abundant avian material from the upper member of the Barstow Formation of California. California State University-Fullerton Desert Studies Consortium, 2014 Desert Symposium Field Guide and Proceedings, p. 155-164.

2014. Stidham, T. A., D. Lofgren, A. A. Farke, **M. Paik, and R. Choi**. A lithornithid (Aves: Palaeognathae) from the Paleocene (Tiffanian) of southern California. *PaleoBios* 31:1-7.

2015. Lofgren, D. L., **M. Hess, J. Hernandez and J. Todd**. Review of peccaries from the Barstow Formation of California. Pp. 108-118, in Reynolds, R. E. (ed.), *Mojave Miocene*. California State University-Fullerton Desert Studies Consortium, 2015 Desert Symposium Field Guide and Proceedings.

## ABSTRACTS

### ---PRE WEBB RESEARCH

1989: Lofgren, D. L., K-T mammal and dinosaur biostratigraphy and biochronology at McGuire Ck., N.E. Mt.: Geological Society of America Abstracts with Programs 21:108.

1989: Lofgren, D. L., K-T biostratigraphy-biochronology, McGuire Creek, Mt.: Journal of Vertebrate Paleontology 9:30A.

1990: Lofgren, D. L. Vertebrate Paleontology and Basin Analysis, North Boulder Basin, Jefferson Co., Mt: Paleobios 13:4.

1991: Lofgren, D.L., and C. Hotton. The Bug Creek problem and the K-T transition at McGuire Creek, Mt.: Geological Society of America Abstracts with Programs 23:A359.

1991: Lofgren, D.L., and C. Hotton. The K-T transition at McGuire Ck. Mt: Journal of Vertebrate Paleontology 11:43A-44A.

1995: Lancian-Puercan Mammal Zonation in Eastern Montana: Geological Society of America Abstracts with Programs 27:44.

### ---WEBB RESEARCH (students in bold)

1999: Lofgren, D.L., McKenna, M.C., and S. L. Walsh. New Records of Torrejonian-Tiffanian Mammals from the Paleocene-Eocene Goler Formation, California: Journal of Vertebrate Paleontology 19:60A.

2001: Wideman, N., and D. L. Lofgren. Partial Hadrosaur Skeleton with Skin Impression, Hell Creek Formation, McCone County, Montana: North American Paleontology Convention Proceedings.

2002: Lofgren, D.L., McKenna, M.C., Walsh, S.L., Hutchison, H., Nydam, R.L., and J. G. Honey. New records of Paleocene vertebrates from the Goler Formation of California. Journal of Vertebrate Paleontology 22:80A.

2003: Lofgren, D., **Clark, C., and W. Hanlon**. Raymond Alf Museum of Paleontology: A 70-year legacy of fieldwork and research involving high school students of The Webb Schools. Journal of Vertebrate Paleontology 23:72A.

2004: Lofgren, D., McKenna, M., Nydam, R., and **T. Hinkle**. A phenacodont from Paleocene-Eocene marine beds of the uppermost Goler Formation, California. Journal of Vertebrate Paleontology 24:84A.

2006: Lofgren, D.L., Education and Adventure: High School Students and Paleontology Research within the GSENM; in Learning from the Land: Grand Staircase-Escalante National

Monument Science Symposium Proceedings, p. 199.

2007: Lofgren, D.L., **Cripe, J.** and D. Everhart. Preliminary results of a long-term study of paleontological resources of the Kaiparowits Formation within Grand Staircase Escalante National Monument. *Journal of Vertebrate Paleontology* 27:107A.

2008: Nydam, R. and D. L. Lofgren. Preliminary report on lizards from the Goler Formation (Paleocene) California. *Journal of Vertebrate Paleontology* 28:121A

2010: Archibald, J.D. and many others, including D. L. Lofgren. Cretaceous Extinctions: Multiple Causes. *Science* 328:973.

2010: **Lai, R., Santana-Grace, D.,** Lofgren, D. L., **Gluckstein, L., and D. Ugolick.** Taphonomy of Pipestone Springs Main Pocket, a middle Chadronian microvertebrate assemblage from SW Montana. *Journal of Vertebrate Paleontology, Programs and Abstracts, 2010.* 157A.

2011 Lofgren, D.L., D. Pagnac, **P. Liskanich, A. Hess, and D. Silver.** A Review of Proboscideans from the Middle Miocene Barstow Formation of California. p. 130, in: R.E. Reynolds (ed.). *The Incredible Shrinking Pliocene.* Desert Studies Consortium, California State University.

2011: **Lai, R., Santana-Grace, D.,** Lofgren, D., **Gluckstein, L., and D. Ugolick.** Taphonomy of Pipestone Springs Main Pocket, a middle Chadronian microvertebrate assemblage from Southwestern Montana. *Annual Meeting of Southern California Academy of Sciences, Abstract* 160.

2011: Lofgren, D, D. Pagnac, **P. Liskanich, A. Hess, and D. Silver.** Proboscideans from the Middle Miocene Barstow Formation of California. *Journal of Vertebrate Paleontology, Programs and Abstracts, 2010,* p. 146.

2013: Eberle, J., D. Lofgren, R. Hettinger, K. McComas, and C. Soltis. A new Puercan fauna from Wyoming's Great Divide Basin. *Journal of Vertebrate Paleontology, Programs and Abstracts, 2013,* p. 120.

2014: Lofgren, D.L., T. Williamson, and R. Nydam. New records of eutherian and metatherian mammals from the Goler Formation of California and their implications for late Paleocene provinciality. *Journal of Vertebrate Paleontology, Programs and Abstracts, 2014,* p. 164.

2015. Lofgren, D. L., C. Shen, N. Buday, C. Ylagen, K. Lofgren, J. Homidan, D. Santana-Grace, and R. Lai. Coprolites from Pipestone Springs Main Pocket, Montana, and their paleontological and taphonomic significance. *Journal of Vertebrate Paleontology, Programs and Abstracts, 2015,* p. 166.



FIELD EXPERIENCE: DONALD L. LOFGREN

2000-2008: Mammalian paleontology of the North Horn Formation (Late K-Paleocene) in Manti-La Sal National Forest, Utah.

1998-99, 2002-present: Vertebrate paleontological survey of the Kaiparowits Formation (Late K) in Grand Staircase Escalante National Monument, Utah.

1995-present: Mammalian paleontology of the Goler Formation (late Paleocene), near Ridgecrest, California.

1994-2001: Vertebrate biostratigraphy of the Tullock Formation (early Paleocene), McCone County, Montana.

1992-present: Mammalian paleontology of the Barstow Formation (mid-Miocene), near Barstow, California.

1995, 2006, 2008: Alf Museum trips to the Gobi Desert, Mongolia.

1991: Project Leader, University Research Expeditions Program, sponsored by UC Berkeley Museum of Paleontology; Montana, Cretaceous-Paleocene Hell Creek-Tullock Formations.

1989-92: North Slope of Alaska, recovering dinosaurs from the Prince Creek Formation (Cretaceous); Joint Expedition: Museum of Paleontology, UC Berkeley, and University of Alaska Museum.

1990: Project Assistant, University Research Expeditions Program, sponsored by UC Berkeley Museum of Paleontology; with Kevin Padian; Arizona, Late Triassic Chinle Formation.

1986-89: Dissertation Research: Geologic Mapping, Sedimentology, Facies Analysis and Vertebrate Biostratigraphy, Hell Creek and Tullock Formations, McCone County, Montana.

1984-85: Thesis Research: Vertebrate Biostratigraphy and Basin Analysis, Renova and Six Mile Creek Formations, North Boulder Basin, Jefferson County, Montana.

## TEACHING EXPERIENCE: DONALD L. LOFGREN

1991-present: Science Faculty, The Webb Schools, Claremont, Ca.

Classes: Honors Advanced Study in Paleontology, Honors Museum Research.

Advanced Studies in Paleontology

Trips: Weekend and day trips to Barstow, California

Summer Research Trip to Montana and Utah.

1985-1990: Teaching Assistant, University of California-Berkeley, Department of Paleontology,  
Classes: Vertebrate Paleontology, Evolution and Systematics of Mammals, Morphology of the  
Vertebrate Skeleton

1983-1985: Teaching Assistant, University of Montana, Classes: General Paleontology, General  
Geology

## FIELD TRIPS:

1991-present: The Webb Schools; Expedition leader on all paleontology and geology field trips  
offered to Webb students through the Raymond Alf Museum of Paleontology; trips provide  
education in field geology and paleontology. Shorter trips from 2-5 days occur during school  
year to sites in California. Summer trips are 3 weeks in length with work at research sites in Utah  
and Montana.

## AWARDS

2009: Demetriades Award (sabbatical travel grant), The Webb Schools.

2002: Teacher of the Year Award, LA Basin Geological Society.

1999: Les and Barbara Perry Teaching Award. The Webb Schools.

1998: Crystal Apple Teaching Award, KNBC-TV, Los Angeles.

1994: Thompson and Vivian Webb Excellence in Teaching Award:  
The Webb Schools.

1988 George D. Louderback Award, Department of Paleontology,  
University of California, Berkeley (award for academic  
excellence and leadership in departmental programs).

1986 Regents Fellowship, University of California, Berkeley.

1985 Fellowship-Alfred and Chella Moore Scholarship,  
University of California, Berkeley

#### CONFERENCES HOSTED (by Alf Museum under tenure as director)

- 2002 Western Association of Vertebrate Paleontologists, informal annual meeting of vertebrate paleontologists from 11 western states, February; abstracts not published.
- 2003 Cal-Paleo Conference, formal annual meeting of California paleontologists, April; abstracts published by PaleoBios.

#### ADVISORY COMMITTEES

2011-2014: Member of the Scientific Advisory Committee of Grand Staircase-Escalante National Monument.

#### WORK WITH THE AAM AND IMLS

2001: Team Member for MAP visit to Prehistoric Museum, Price, Utah; report filed Jan. 2002.

2002: Reviewer for IMLS General Operating Support grant applications.

2004: Reviewer for IMLS Museums for America grant applicants.

2005: Attendee of AAM seminar: "Secrets of Accreditation." Los Angeles, CA.

2005: Attendee of AAM seminar: "Best practices in collections stewardship: writing a collections management policy." Raleigh, NC.

2006: Member of Accreditation Program Advisory Group; AAM.

2013: Member of AAM Accreditation Visiting Committee to The Mammoth Museum, Hot Springs, SD