**

#### Casual Bio

In early grade school, Ted was torn between being either a vertebrate paleontologist or a national park service naturalist, as at that time there was no way to do both. He began his career at Colorado State University with emphasis on park service topics, but shifted to paleontology at the University of Alberta, lazily studying under his mentor, the great R. C. Fox. To his surprise and delight, he was offered a position as the first paleontologist at Fossil Butte in Wyoming, an auspicious beginning of a thirty-year U.S. NPS career. At Oregon’s John Day Fossil Beds, he was the catalyst and project manager for the acclaimed paleontological exhibits at the Thomas Condon Paleontology Center. He acquainted generations of workers with the complexities of the John Day basin through countless excursions, including the 2010 SVP Field Symposium. Ted is the only paleontologist to ever become an NPS Regional Science Advisor which permitted him to visit parks from Joshua Tree to Wrangell-St. Elias, discovering new localities and significant fossils.

Ted presently is a courtesy faculty member of the University of Oregon in the Department of Earth Sciences and the Museum of Natural and Cultural History, and a annuitant/volunteer with the U. S. National Park Service.. He has published and coauthored many papers and technical reports in the peer-reviewed and popular literature. There are currently five species named in his honour.

#### Temporal Sketch

Born 21 June 1952, Port Chester, New York.

1970. Graduated J.K. Mullen High, Fort Logan, CO, a Christian Brothers college prep school.

1970-1972. Attended Colorado State University, Fort Collins, Colo. (Outdoor Recreation major).

1973-1979. Attended the University of Alberta (UA), Edmonton, Alta. (1975-1977 Honors in Geology and Zoology Program). B.Sc., Specialization in Zoology. Advanced work involved problems with evolution and systematics (Ph.D. has *not* been attained).

1974-1979. Field and Technical assistant, Depts. of Geology and Zoology, UA. Fieldwork included verterbrate paleontology in Orella Group, Wyoming; Niobrara Chalk, Kansas and dozens of varied localities in Cretaceous and Paleocene strata in Alberta and Saskatchewan.

1977-1979. Instructor, Evolutionary Biology (BIO-296), Introductory Biology Programme, UA. Lecture and laboratory teaching.

1979-1984. Park Ranger (Paleontologist), Fossil Butte National Monument, National Park Service, Kemmerer, WY. Research focussed on the taphonomy and paleoecology of the Eocene Green River Formation, including collection and documentation of a vast array of vertebrate fossils from lacustrine beds of the Green River, as well as work in the Wasatch and Bridger strata. Developed, with DSC staff, initial design plans for new Visitor Center function and exhibits. Acting Superintendent (intermittent, total 2+ years) 4/22/1979 – 7/23/1983.

1983-1984. Instructor, Historical Geology. Western Wyoming Community College continuing education program, WY. Included field trips and curatorial methods.

1984-2009. Paleontologist, John Day Fossil Beds National Monument, National Park Service, John Day, OR. Current research is focused on biostratigraphy and evolution of Paleogene and Neogene biota in the John Day Basin. Responsible for supervision of all fieldwork and collections at over 600 localities spanning 45 million years.

1995-present. Courtesy Faculty member, Department of Geological Sciences, The University of Oregon. Curator, Condon Collection University of Oregon and Research Associate, UO Museum of Natural and Cultural History.

2002 – 2005. Contracting Officer’s Representative, Thomas Condon Paleontology Center exhibits. Project Leader, Designer, writer, and responsible for scientific coordination and peer review.

2002 – 2009. Science Advisor, Pacific West Region, National Park Service. Responsible for coordinating and facilitating research activities with other members of the Science Council on all 66 NPS parks and monuments within the Western Region, USNPS.

2010: Leader, 3rd Society of Vertebrate Paleontology Field Symposium, June 7th-11th, John Day Basin, OR.

2013. Contracted exhibit designer/facilitator, University of Oregon Museum of Natural and Cultural History. Facilitated graphics, specimen acquisition, concept overview, coordinated peer review, and multiple other aspects of new earth history exhibits at the museum.

**Disciplinary expertise:** Vertebrate paleontology, biostratigraphy, taphonomy, paleoecology, curation of natural history specimens, and management of paleontological resources on public lands.

**Science liaison capacity**:

Developed unprecedented Cooperative and/or Interagency Agreements between the NPS and U. S. Bureau of Land Management (four districts), U. S. Forest Service (three National Forests in Oregon and Washington), U. S. Fish and Wildlife Service, Oregon State Parks, The Confederated Tribes of the Warm Springs, The Natural Conservancy, Oregon Museum of Science and Industry, varied private lands with significant fossil resources.

Society of Vertebrate Paleontology (Government Laiason Committee), AAAS, Geological Society of America, Paleontological Society, etc.

NPS Natural History Collections ad hoc committee, Chair, NPS Collections (Paleontology) Significance Group, past member NPS Museum Management Program Council,

World Heritage Assessment, Ipolytarnoc National Park, Hungary

Courtesy Faculty member, University of Oregon, Department of Geological Sciences, Eugene, OR

**Science needs identification and assessment**:

Paleontological resource conservation on public lands

Curation, laboratory, and fieldwork methods

Phylogenetic systematics, biostratigraphy, and evolutionary paleoecology

**Synthetic focus**:

Applicability of “deep time” perspectives to modern ecological syntheses; defragmentation of spatially broad (basin-scale) Tertiary paleontological deposits and their entombed biotas

**Strategic resource management approaches**:

Relevance of evolutionary paleoecology in conservation of recent biotas; preservation and curation of paleontological resources.

Recent activities include (Open File reports available): Paleontological Surveys and Science Advisory Reports for: Wrangell-St. Elias National Park, Alaska, Lava Beds National Monument, Joshua Tree National Monument, Golden Gate National Recreation Area, Tule Springs National Monument (latter report indirectly led to establishment of area as a unit of the NPS), and other sites. Team member of Petrified Forest Paleontological Resource Planning, Hagerman Fossil Beds, etc. COR and Leader, Thomas Condon Paleontology Center design and planning team.

**Analytical Focus** (***Some selected publications: this list is incomplete***):

Albright, L. B. III, M. O. Woodburne, Theodore Fremd and others. (2008). Revised

 Chronostratigraphy and Biostratigraphy of the John Day Formation (Turtle Cove and Kimberly Members), Oregon, with Implications for Updated Calibration of the Arikareean North American Land Mammal Age. Journal of Geology, volume 116, p. 211-237.

Bestland, E. A., G. J. Retallack and T. Fremd (1994). Sequence stratigraphy of the Eocene-Oligocene transition: examples from the non-marine volcanically influenced John Day Basin. Field Trip Guidebook of the Annual Meeting of the Geological Society of America: 19 pages.

Bestland, E. A., Retallack, G. J., and Fremd, T., 1999, Geology of the Late Eocene Clarno Unit, John Day Fossil Beds National Monument, Central Oregon: National Park Service, Paleontological Research Volume 2, Santucci, V. L., editor, National Park Service Technical Report NPS/NRPO/NRTR-93/11, p. 111-124.

Bestland, E.A., Forbes, M.S., Krull, E.S., Retallack, G.J., and Fremd, T. 2009. Stratigraphy, paleopedology, and geochemistry of the middle Miocene Mascall Formation (type area, central Oregon, USA). Paleobios 28(2) 34pp.

Bryant, H. N. and T. J. Fremd (2001). The evolutionary history of the Nimravidae (Carnivora) in the John Day Basin of Oregon. PaleoBios **21:** 2: 35-36.

Coombs, M. C., Robert M. Hunt, Jr., Ellen Stepleton, L. Barry Albright III, and Theodore J. Fremd (2001). Stratigraphy, Chronology, Biogeography, and Taxonomy of Early Miocene Small Chalicotheres in North America. Journal of Vertebrate Paleontology **21**(3): 607-620.

Dunn, R., T. Fremd, and others. (2007) Paleontological Parks and Global Change. Proceedings of the 2007 George Wright Society Conference • 238-243.

Foss, S. E. and T. Fremd (1998). A Survey of the Species of Entelodonts (Mammalia, Artiodactyla) of the John Day Basin, Oregon. Dakoterra **5**: 63-72.

Foss, S. E. and T. J. Fremd. 2001. Biostratigraphy of the Entelodontidae (Mammalia: Artiodactyla) from the John Day Basin, Oregon. Paleobios 21: 53.

Fremd, Theodore J. 2010. Guidebook to the 2010 SVP Field Symposium and John Day Basin Field Conference. Society of Vertebrate Paleontology Guidebook Publications, 149 pages.

Fremd, T. (1999). Places of Discovery: Paleontology, Research, and Natural Areas. IN: Harmon, D., Ed. Proc. 10th. Conf. on Research and Res. Man. In Parks. 130-137.

Fremd, T. (1995). Cyclic Prospecting to Preserve Vertebrate Paleontological Resources. San Bernardino County Museum Association Quarterly **4**(2): 19-25.

Fremd, T. J. (2001). Paleontology data and NPS collections: unbounded resources, or, between managers and scientists. Crossing boundaries in park management: Proceedings of the 11th Conference on Research and Resource Management in Parks and on Public Lands. D. Harmon. Hancock, Michigan, The George Wright Society**:** 342-348.

Fremd, T. J. and X. Wang (1995). Resolving Blurred Faunas: Biostratigraphy in John Day Fossil Beds National Monument. NPS Paleontological Research., Technical Report NPS/NRPO/NRTR-95/16. V. Santucci and L. McClelland**:** 73-76.

Fremd, T. J., E. A. Bestland and G. J. Retallack (1994). John Day Basin Field Trip Guide and Road Log. 1994 Society of Vertebrate Paleontology Annual Meetings, Northwest Interpretive Association. 80 pp.

Fremd, T. (1996). Fruits and Seeds of the Middle Eocene Nut Beds Flora, Clarno Formation, Oregon Oregon Geology **58**(3): 70-71.

Fremd, Ted. (1997). Cooperative Management of “Our Fossil Heritage”: An Example from the John Day Basin. IN: Johnston, M. and J. McChristal, eds. Partners in Paleontology. NPS/NRFLFO/NRR-97/01

Fremd, T. (1992). "Time in the Blue Mountains." Natural Resource News **2**(4): 7-10.

Fremd, T. J. 2001. Appraising the significance of complex assemblages and data defragmentation: an example from the volcaniclastics of eastern Oregon. PaleoBios 21: 54-55.

Fremd, T. J. and D. P. Whistler. (2009). Preliminary Description of a New Microvertebrate Assemblage from the Arikareean (Early Miocene) John Day Formation, Central Oregon. In Albright, L. B. III, ed. Papers on Geology, Vertebrate Paleontology, and Biostratigraphy in Honor of Michael O. Woodburne. Museum of Northern Arizona Bulletin 65, Flagstaff, Arizona. Pp. 159-170.

Hanson, D. A. and T. J. Fremd. 2007. A John Day Stepchild – the Southern Basin Faunal Assemblages. PaleoBios 21(2):62

Kohn, Matthew J. and Theodore Fremd. 2007. Tectonic controls on isotope compositions and species diversification, John Day Basin, central Oregon. PaleoBios 27(2):48–61

Kohn, Matthew J. and Theodore J. Fremd (2008). Miocene tectonics and climate forcing of biodiversity, western United States. Geology 36(10): 783-786.

Kohn, M. J., Miselis, J. L., and T. J. Fremd. (2002). Oxygen isotope evidence for progressive uplift of the Cascade Range, Oregon. Earth and Planetary Science Letters **204 (2002)**: 151-165.

Lander, E. B. and T. J. Fremd. 2001. Late Whitneyan, Arikareean, and earliest Hemingfordian oreodonts (Mammalia: Artiodactyla: Agriochoeridae and Oreodontidae) from the John Day Formation of Central Oregon. PaleoBios 21: 82.

Martin, J. E. and T. J. Fremd. 2001. Revision of the Lithostratigraphy of the Hemphillian Rattlesnake Units of Central Oregon. PaleoBios 21: 89.

Retallack, G. J. and T. J. Fremd (1996). "Reconstructions of Eocene and Oligocene plants and animals of central Oregon." Oregon Geology **58**(3): 51-69.

Retallack, G. J., Bestland, E. A., and T. J. Fremd. (2000). Eocene and Oligocene paleosols of central Oregon. Geological Society of America **Special Paper 344:** 192 pages.

Retallack, G. J., Wynn, J. G., and T. J. Fremd. 2004. Glacial-interglacial-scale paleoclimatic change without large ice sheets in the Oligocene of central Oregon. Geology: April 2004; v. 32 no. 4: p. 297-300.

Samuels, J. X., Albright, L. B., and T. J. Fremd. 2015. The Last Fossil Primate in North America, New Material of the Enigmatic *Ekgmowechashala* from the Arikareean of Oregon. Amer. Jour. Phys. Anthro. 158: 43-54

Smith, M. E., Fremd, T. J., and R. C. Wood. 2001. Discovery of a cranium of *Stylemys* (Reptilia: Chelonia) from the Turtle Cove Member of the John Day Formation, Central Oregon. PaleoBios 21: 117-118.

Convenor and Editor, John Day Basin Paleontology Symposium, North American Paleontological Convention, U. C. Berkeley, 2001. Invited all speakers, moderated session, edited proceedings papers.

*In addition to the above, numerous manuscripts concerning taxonomy, biostratigraphy, and other topics are available and/or searchable online.*

**Additional Publications (Partial)**

1987. Paleontology Narrative.In: Hyra, Ron and Neola Knowles, Eds., 1987 Annual Science Report, National Park Service, Pacific Northwest Region, 30

with Chure, Daniel J. 1987. Protecting Fossil Resources in the National Park System.Natural Areas Journal., Vol. 7, No. 4, pp. 194-196.

1988. Assemblages of Fossil Vertebrates in Pre‑Ignimbrite Deposits of the Turtle Cove Member, John Day Formation (Arikareean), from Outcrops within the Sheep Rock Unit, John Day Fossil Beds National Monument, Oregon. Journal of Vertebrate Paleontology 8(3) , 15A

1989. Paleontological Monitoring. In: Hyra, Ron. Ed., 1988 Annual Science Report, National Park Service, Pacific Northwest Region, 30.

1989. Taphonomy and Paleoecology of the Turtle Cove Member of the John Day Formation. In: Hyra, Ron. Ed., 1988 Annual Science Report, National Park Service, Pacific Northwest Region , 29

1991. Searching for Treasures at John Day Fossil Beds. IN: Fox, Lissa. Highlights of Natural Resources Management. Natural Resources Report NPS/NRPO/NRR‑91‑03 , 25

1991. Early Miocene Mammalian Populations from Turtle Cove, Oregon. Journal of Vertebrate Paleontology 11(3) , 29A

1992. Cyclic Prospecting and Salvaging Fossils. In: Benton, R. and Ann Elder, Eds., Proceedings on the Third Conference on Fossil Resources, Natural Resources Report NPS/NRFOBU/NRR‑94‑14 , 65‑68

1992. Cooperative Management of Paleontological Resources in the John Day Basin, Central Oregon. Seventh Conference on Research and Resource Management, George Wright Society , 24

1992. Paleontological Resource Management, NPS‑77, and Its Practical Applications. In: Benton, R. and Ann Elder, Eds., Proceedings on the Third Conference on Fossil Resources, Natural Resources Report NPS/NRFOBU/NRR‑94‑14 , 61‑64

1992. Cooperative Agreements and Administration of Vertebrate Fossil Localities. Third Conference on Fossils in the NPS, Program with abstracts , 20

1992. "I've Seen the Miocene" in Central Oregon. Park Science Vol. 12, Number 3 , 12‑13

1992. Time in the Blue Mountains. Natural Resource News, Vol. 2, No. 4 , 7‑10

with Bestland, Erick., and Retallack, Gregory. 1992. Cut‑and‑Fill Episodes in the John Day Formation in the Painted Hills Area of Central Oregon. Abstracts of the 88th Annual Meeting of the Cordilleran Setion of the Geological Society of America, Eugene, v. 24, P.7

with Retallack, Gregory J. and Bestland, Erick A. 1993. Reassessment of the Age of Fossil Localities in the Clarno Formation, Hancock Field Station, Wheeler County, Oregon. Proceddeings of the Oregon Academy of Sciences Meeting, Linfield, v. 29, p.34

1993. Early Miocene Mammalian Populations from Turtle Cove, Oregon .IN: Santucci, Vincent L., Editor. National Park Service Paleontological Research Abstract Volume. Technical Report NPS/NRPEFO/NRTR‑93/11 , 79

1993. Refinement of Spatial and Temporal Distributions of Biotas Within the Volcaniclastic Sequences of the John Day Basin. Journal of Vertebrate Paleontology 13(3), 36(A)

with Bestland, Erick A., Retallack, Gregory J., and Swisher, Carl C. III. 1993. Timing of Cut‑and‑Fill Sequences in the John Day Formation (Eocene‑Oligocene), Painted Hills Area, Central Oregon. Abstracts of the 89th Annual Meeting of the Cordilleran Section of the Geological Society of America, Reno, v.25, p.9.

with Bestland, E.A. and G. J. Retallack, G.J. 1994. Sequence stratigraphy of the Eocene‑Oligocene transition: examples from the non‑marine volcanically influenced John Day Basin. Geol. Soc. Am. Ann. Mtg. Field Trip Guidebook , pp. 1-20

with Wang, Xiaoming. 1994. Biostratigraphy of Canidae (Carnivora) from Turtle Cove Member of John Day Formation. J. Vertebr. Paleontol., Vol. 14, Supplement to No. 3., Abstracts of Papers., Fifty‑Fourth Annual Meeting., Society of Vertebrate Paleontology., Burke Museum, University of Washington., Seattle, Washington , 51A

with Bestland, E.A., and G. J. Retallack, G.J. 1994. Geology of the late Eocene Clarno Unit, John Day Fossil Beds National Monument, Central Oregon. Technical Monographs of the National Park Service, 1‑9, proceedings of the National Park Service Paleontological Research Symposium, Durango, CO, GSA Rocky Mtn. Section

Fremd, T. J. and Zancanella, J. 1994. Cooperative Management of "Our Fossil Heritage": an example from the John Day Basin. Proceedings of the Fourth Conference on Fossil Resources, 7 pp.

Brayant, Harold N. and Ted J. Fremd. 1998. Revised biostratigraphy of the Nimravidae from the John Day Basin of Oregon. Journal of Vertebrate Paleontology 18 (3 Suppl): 30A

with Bestland, E.A., Retallack, G.J., and C.C. Swisher. 1994. Geology and age assessment of late Eocene fossil localities in the Clarno unit, John Day Fossil Beds National Monument, central Oregon. Abstracts of the 49th Annual Meeting of the Rocky Mountain Section of the Geological Society of America, Vol. 26, p.4.

with Retallack, Gregory J., Bestland, Erick A., and Carl Swisher. 1994. Reassessment of the Age of Oligocene Fossil Localities in The Painted Hills of Oregon. Proceedings of the Annual Meeting of the Oregon Academy of Sciences, Corvallis, v.30, p.32.

Fremd, Ted, Bestland, E. B., and G. Retallack, 1994 Guide and Road Log to the 1994 SVP Field Trip to the John Day Basin. JDNM-94-1, 60 pp.

with Xiaoming Wang, 1994. Characterization of Lithosympatric Assemblages: An Example from Volcaniclastics in the John Day Basin. Abstracts of the 49th Annual Meeting of the Rocky Mountain Section of the Geological Society of America, Vol. 26, p.13.

1995. Cyclic Prospecting to Preserve Vertebrate Paleontological Resources. SBCMA *Quarterly*, 42(3): 19-27.

with Xiaoming Wang, 1995. Resolving Blurred Faunas: Biostratigraphy in John Day Fossil Beds National Monument. Technical Report NPS/NRPO/NRTR-95/16. pp. 73-77.

with Racine, Laurel and others, 2009. A Work in Progress: Development of United States National Park Service Museum Collection Significance Evaluation Criteria. *Collections* Vol. 5, Number 1, pp. 7-60

Fremd, Ted. 2014. Preventing Geological Book Burning. *Palaeontologia Electronica* Vol 17, Issue 1: 1R:3p; palaeo-electronica.org/content/2014/712-review-saved-in-time

Fremd, Theodore, Dunn, Regan, and Joshua Samuels. In prep. From Dawn Redwoods to Sunset Dogs: The Fossil Record of Oregon’s John Day Basin. Indiana Press (contract signed), ~400 pp.

#### Sample of Formal Lectures and Seminars (Greatly Abbreviated)

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From 1979 until present over 200 formal presentations have been made on aspects of paleontology to a broad variety of venues, including meetings of a variety of professional societies. The variety includes:

Convenor, 1st Symposium on the Paleontology of the John Day Basin, North American Paleontology Conference, Berkeley, California. 2001.

Invited panelist, Round Table Discussion: Paleontology on Public Lands. Fifth North American Paleontology Convention, (NAPC.V). 1992. Chicago, IL.

Field Trip Leader, John Day Basin Paleontology, for the 1994 Society of Vertebrate Paleontology Annual Meeting, Seattle, WA. 16-19 October, 1994.

Convenor (with Dan Chure), First Conference on Paleontology in the National Park Service, 1986, Vernal, Utah.

Invited lecture, Evolution of Saber-toothed felids and nimravids. U of O seminar series, 1994, Condon Museum of Geology.

Moderator & Speaker, National Park Service Paleontological Research Symposium, Durango, CO., May 4-6, 1994, GSA Rocky Mountain Section.

Towards a Biochronology of the John Day Basin. Western Association of Vertebrate Paleontology, paper presented at the 1994 meetings, Denver, CO.

Keynote speaker, Third Conference on Paleontology in the National Park Service, Fossil Butte National Monument. 1992.

Invited lecture: Paleontological Data Bases: Potential, Access, and Concerns. Partners in Paleontology Conference, Colorado Springs, CO. 1994.

Research in the John Day Fossil Beds. OPB-TV, *Oregon Field Guide*; has aired numerous times to date.

New Species of Turtles from the Green River Formation, Wyoming. With Roger Conant Wood. 1980. Fortieth Annual Meetings of the Society of Vertebrate Paleontology, Gainesville, FL.

Numerous papers delivered at Geological Society of America Annual Meetings, Cordilleran and Pacific Regional meetings, etc.

Recurring Instructor, NPS Curatorial Methods, Harper's Ferry, West Virginia.

Instructor, Paleontological Resources Management Training, Hot Springs, South Dakota, September 13-15, 1994

Symposium Coordinator and Conference Leader, SVP Field Symposium, June 7-11, 2010.

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| *Paleontology in National Parks: Sharing the Fossil Record with Managers and the Public.*

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| --- |
| (2002) H. Gregory McDonald and Ted Fremd, Presiding |

https://gsa.confex.com/gsa/2002AM/finalprogram/session\_2648.htm |

*Since 2010, dozens of invited lectures to the public on topics ranging from Oregon biostratigraphy to “Buzz-Saw Sharks”(*Helicoprion) *at a variety of venues.*

#### Service (Partial)

Government Advisory Committee, Society of Vertebrate Paleontology, 1991-present.

Member, NPS National Museum Management Program Council, 1994-2000.

Member, NPS National Natural History Working Group, 1993-2005.

Paleontology Chairman, NPS Museum Significance Committee, 2002- 2009

Member, National Geological Advisory Council, National Park Service, Geological Resources Division, 1995 - 2005.

Member, Automated National Catalog System, National Advisory Group, 1984-1992.

Paleontologist, per formal Interagency Agreement (IA9325-8-0001) between U. S. National Park Service and the U. S. Bureau of Land Management, Prineville & Burns Districts, Oregon, 1987 - 2009.

Evaluation of Tule Springs as potential New National Monument (2011)

(see <https://www.reviewjournal.com/local/local-las-vegas/tule-springs-fossils-attracting-paleontologists-from-around-world/> for example. Reports available on request.

Member, Oregon Department of Geology and Mineral Industries Governing Board

University of Oregon Representative, John Day Basin Joint Interpretive Strategy, 2010 – present. This is a collaborative effort involving the Confederated Tribes of the Warm Springs, Oregon High Desert Museum, Oregon Paleo Lands Institute, Oregon State Parks and Recreation Department, National Park Service, and the Bureau of Land Management.

Member of Several graduate thesis committees at University of Oregon, Oregon State University, SMU, etc. None desired since retirement from NPS.

SOCIETY OF VERTEBRATE PALEONTOLOGY PROFILE:

http://vertpaleo.org/Society-News/Paleoprofiles/Past-PaleoProfiles/Theodore-Fremd.aspx

AWARDS & HONORS (partial)

Regional “Excellence in Environmental Resources Management" Award Winner, 1989.

Special Achievement Award, $800, 1983

Special Achievement Award, $500, 1986

Special Sustained Achievement Award, $1000, 1987.

Special Achievement Award, $1000, 1988

Quality Step Increase Award, 1990.

Outstanding Performance Award, 1991.

Sustained Superior Performance Award, 1992

Sustained Superior Performance Award, 1993.

Sustained Superior Performance Award, 1994.

Regional Director’s Award;

NPS Research Scientist of the Year, 2002

**Society of Vertebrate Paleontology Morris Skinner Prize, 2017**

taxa named in Honor:

***Micromomys fremdi*** Fox, 1984.

***Rubus fremdi***Meyer, 1995.

***Achaenodon fremdi****,* Lucas, Foss, and Mihlbacher, 2004

***Plesiosminthus fremdi*** Korth and Samuels, 2015

***Fremdohyus*** sp. Prothero, 2016

***Fremdoxylon*** sp. Wheeler, in prep