

## CURRICULUM VITAE

### Kenneth D. Rose

Professor, Center for Functional Anatomy and Evolution, and Director of Functional Anatomy and Evolution Graduate Program, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205; and Research Associate, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560, and Carnegie Museum of Natural History, Pittsburgh, PA 15213

Born: Newark, New Jersey, 21 June, 1949

#### Education:

West Orange High School, West Orange, NJ (valedictorian)  
Yale University: B.S., Magna cum laude, 1972; Honors with Exceptional Distinction in Geology and Geophysics (Paleobiology)  
Harvard University: M.A. 1974, in Geology (Vertebrate Paleontology)  
University of Michigan: Ph.D. 1979, in Geology (Vertebrate Paleontology)

#### Honors and Awards:

Yale National Scholar, Yale University (1967-1972)  
Belknap Prize in Natural Sciences, Yale University (1972)  
Rackham Predoctoral Fellowship, University of Michigan (1977-8)  
E.C. Case Award in Paleontology, University of Michigan (1977)  
Shadle Fellowship of the American Society of Mammalogists (1978)  
Student Paper Award, Paleontological Society North-Central Section (1978)  
Honorable Mention, Romer Prize Competition, Society of Vertebrate Paleontology (1979)  
Smithsonian Postdoctoral Fellowship in the Department of Paleobiology, National Museum of Natural History, Smithsonian Institution (1979-80)  
Langston Lecturer, Department of Geological Sciences, University of Texas (1988)  
Alexander von Humboldt Forschungspreisträger, University of Bonn, Germany (2003-04)  
Corresponding Member, Paläontologische Gesellschaft (2007)

#### Research and Teaching Experience:

Teaching Fellow in Biology (vertebrate paleontology), Harvard University, 1973; curatorial assistant in entomology (MCZ, Harvard), 1974-5  
Research Assistant, Museum of Paleontology, University of Michigan, 1975-6, 1976-7, 1978-9 (curatorial assistant in vertebrate paleontology)  
Seminars and lectures in paleontology, geology, and mammalogy at the University of Michigan  
Original research on early Cenozoic mammals undertaken while an undergraduate at Yale and a graduate student at Harvard and the University of Michigan  
Assistant Professor of Cell Biology and Anatomy, The Johns Hopkins University School of Medicine (1980-1985); Associate Professor (1985-1990); Professor (1990-present); teaching duties include lectures and laboratory in Human Gross Anatomy (Acting Course Director 1986-1987; Course Director 1989-1993); graduate courses: Diversity, Structure, and Evolution of Mammals; Techniques in Paleontology; Primate Evolution; Evolutionary Theory; undergraduate courses in mammalian evolution, skeletal biology; JHUSOM Summer Anatomy Institute, 2001-present.  
Invited Visiting Scientist, Academia Sinica (IVPP), Beijing, May 1985  
Short Course Lecturer, Evolutionary Adaptations of Mammals, Denver Museum of Natural History, 1996

#### Membership in Scientific Organizations:

American Association of Physical Anthropologists  
American Society of Mammalogists  
The Paleontological Society  
Paläontologische Gesellschaft  
Society of Sigma Xi  
Society for the Study of Mammalian Evolution  
Society of Vertebrate Paleontology

Appointments:

Department of Cell Biology and Anatomy—chairman faculty search committees, 1985, 1986, 1995;  
Director, Functional Anatomy and Evolution graduate program, Center for Functional Anatomy  
and Evolution (2000- )

The Johns Hopkins University School of Medicine Committee on Educational Policy and Curriculum  
(1989-1992), First-Year Medical Curriculum Committee (1991-1992); MA-PhD Committee  
(2000- )

Society of Vertebrate Paleontology—Patterson Award Committee (1986, 1993-2000; chair in 1986,  
1993-1995); Romer Prize Committee (acting member, 1985); Romer-Simpson Medal  
Committee (1997-2001); Liaison to AGI Geosciences Advocacy Program, 1991-1993;  
Editorial Search Committee (Chair, 1995); SVP Executive Committee Member-at-Large (elected  
position), 1999-2002.

SVP News Bulletin (editor for Johns Hopkins University 1980-1986); Northeast Regional Editor (1985-  
1987)

Journal of Vertebrate Paleontology – Co-Editor (1987-1990); Associate Editor (1997-1999)

Research Collaborator, Department of Paleobiology, National Museum of Natural History (1981-1989),  
Research Associate (1990-present)

Research Associate, Section of Vertebrate Paleontology, The Carnegie Museum of Natural History  
(1990-present)

Editorial Advisory Board, Vertebrate Paleobiology and Paleoanthropology Series, Springer (2006-present)

Field Experience:

Member Princeton University expeditions to Fort Union and Willwood formations in Wyoming to  
collect Paleocene and Eocene mammals (1968, 1970, 1971)

Member Yale University expedition to Jebel Qatrani Formation in the Fayum Depression of Egypt to  
collect Oligocene vertebrates (especially primates) and to curate collections at Cairo Geological  
Museum (1968)

Member Yale University expedition to Siwalik Group, north India, to collect Miocene-Pliocene  
primates and other fossils (1969)

Member University of Maryland expedition to West Africa to collect recent marine mollusks (1971)

Member Yale University expedition to Willwood Formation of Wyoming to collect Eocene mammals  
(1972)

Member University of Wyoming expeditions to Willwood Formation of Wyoming to collect Eocene  
mammals (1974, 1975)

Member University of Michigan expeditions to Fort Union and Willwood formations of Wyoming to  
document mammalian evolution and biostratigraphy of the Paleocene-Eocene transition (1975,  
1976, 1977, 1978, 1979)

Member University of Michigan—Museum National d’Histoire Naturelle (Paris)—Geological Society  
of Pakistan expedition in Pakistan to explore early Tertiary strata for fossil vertebrates (1977)

Member Duke University expedition to Jebel Qatrani Formation of Egypt to collect Oligocene  
vertebrates (1979)

Co-Director U.S. Geological Survey—Johns Hopkins expedition to Fort Union and Willwood  
formations of Wyoming to document evolution and paleobiology of mammals (1980-1995);  
Director of Johns Hopkins expedition to Wyoming (1996-present).

Director, Johns Hopkins/Panjab University (India)/Garhwal University (India)/Royal Belgian Institute of  
Natural Sciences expedition to Rajasthan and Gujarat, India to search for Paleogene mammals  
(2001- present)

Research Interests:

Evolution, systematics, and comparative and functional anatomy of mammals, with particular emphasis on the  
dentition and limb skeleton in fossil mammals

Origin, adaptive radiation, and paleobiology of the modern orders of mammals

Mammalian faunal composition and species diversity in the fossil record

Mammalian biostratigraphy

Grants:

Sigma Xi grant-in-aid of research (1972): "Carpolestid primates"; \$150

Turner Award for research, University of Michigan, Department of Geological Sciences (1977): "Mammalian evolution across the Paleocene-Eocene boundary"; \$1000

Geological Society of America grant-in-aid of research, with Citation of Outstanding Merit (1977): "Mammalian evolution across the Paleocene-Eocene boundary"; \$625

John J. Hopkins Fund, Johns Hopkins University (1980-81): "Functional anatomy of Early Cenozoic mammals from Wyoming"; \$5365

National Geographic Society research grant (1982-82): "Anatomy and adaptations of early Eocene mammals"; \$9083

American Philosophical Society Penrose Fund (1982-83): "Evolution of fossil tarsier-like primates from Wyoming"; \$1500

National Science Foundation (1983-85): "Anatomy, adaptations, and evolution of early Eocene mammals from the Bighorn Basin, Wyoming"; \$69,742

National Institutes of Health (through Johns Hopkins University) (1984-85): "Anatomy and adaptations of early Eocene mammals"; \$4000

National Science Foundation (1985-88): "Anatomy and evolution of early Eocene mammals from Wyoming"; \$104,984

National Science Foundation (1988-90): "Dissertation research: skeletal anatomy and locomotor adaptations of the early Tertiary Plesiadapiformes"; \$8309 (K.C. Beard, under direction of K.D. Rose)

John J. Hopkins Fund, Johns Hopkins University (1989-90): "Locomotor adaptations in early Eocene mammals from the Bighorn Basin, Wyoming"; \$8690

National Science Foundation (1990-93): "Anatomy and adaptations of Early Eocene mammals from Wyoming"; \$163,826

National Science Foundation (1993-95): "Dissertation research: morphometric and microwear analysis of fossil primates (Adapidae: Notharctinae): the relationship between tooth shape and diet in an evolving clade"; \$10,494 (M.A. O'Leary, under direction of K.D. Rose)

National Science Foundation (1995-99): "Anatomy and adaptations of Early Eocene mammals from Wyoming"; \$201,164

National Science Foundation (1999-00): "Dissertation research: a phylogenetic analysis of the Plesiadapiformes and their relationship to Euprimates and other archontans"; \$10,066 (M.T. Silcox, under direction of K.D. Rose)

John J. Hopkins Fund, Johns Hopkins University (1999-2000): "Effects of global warming on early Eocene mammal faunas"; \$19,978

National Geographic Society research grant (2000-2004): "Exploration of Rajasthan (India) lignites for Paleocene-Eocene terrestrial mammals"; \$15,610

National Science Foundation (2001-2003): "Collaborative Research: an integrated high-resolution study of the effects of shifting climate on late Paleocene-early Eocene continental ecosystems"; \$19,000

National Science Foundation (2003-2004): "Dissertation research: paleoecological modeling and the evolution of early Eocene primates in the Bighorn Basin, WY"; \$8,434 (A.C. Chew, under direction of K.D. Rose).

National Geographic Society research grant (2004-2005): "Early Eocene mammal faunas of the Bighorn Basin, Wyoming: Effects of climate change on faunal turnover," \$16,167

National Geographic Society research grant (2005-2006): "Early Eocene terrestrial mammals from the western margin of India," \$19,860

National Science Foundation (2006-2009): "Collaborative Research: Effects of climatic/environmental change on early Eocene mammal fauna of the Bighorn Basin, Wyoming," \$147,185 (A.C. Chew, co-PI)

National Geographic Society research grant (2008-2009): "Early Eocene continental vertebrates from western India," \$22,245

## BIBLIOGRAPHY

- 1966 Note on Nostoceras pauper (Whitfield). Jersey Sheller 1(2): 30-31.
- 1967 Fossil Pleurotomaria from New Jersey. Jersey Sheller 2(2): 5-6.
- 1967 A mosasaur from Monmouth County, New Jersey. Jersey Sheller 2(2): 20-22.
- 1970 Search for man's ancestors—a first-hand report of the 1969 Yale expedition to the Siwalik Hills of north India. Yale Scientific 44(4): 15-19.
- 1972 A new tillodont from the Eocene upper Willwood Formation of Wyoming. Postilla no. 155:1-13.
- 1972 A mollusk new to Lake Birket Qarun, Egypt. Nautilus 84(4): 141-143.
- 1973 The mandibular dentition of Plagiomene (Dermoptera, Plagiomenidae). Breviora no. 411: 1-17.
- 1974 The religious use of Turbinella pyrum (Linnaeus), the Indian chank. Nautilus 88: 1-5.
- 1975 The Carpolestidae—early Tertiary Primates from North America. Bull. Mus. Comp. Zool. 147: 1-74.
- 1975 Elpidophorus, the earliest dermopteran (Dermoptera, Plagiomenidae). J. Mammal. 56: 676-679.
- 1976 New early Tertiary Primates and reappraisal of some Plesiadapiformes. Folia Primatol. 26: 109-138. (T.M. Bown and K.D. Rose).
- 1976 Partial skull of the plesiadapiform primate Ignacius from the early Eocene of Wyoming. Contrib. Mus. Paleont. Univ. Mich. 24(17): 181-189. (K.D. Rose and P.D. Gingerich).
- 1977 Evolution of carpolestid primates and chronology of the North American Middle and Late Paleocene. J. Paleont. 51(3): 536-542.
- 1977 Dental function in the Plagiomenidae: origin and relationships of the mammalian order Dermoptera. Contrib. Mus. Paleont. Univ. Mich. 24(20): 221-236. (K.D. Rose and E.L. Simons).
- 1977 Preliminary report on the North American Clark Fork mammal fauna, and its correlation with similar faunas in Europe and Asia. Geobios Mem. Spec. 1: 39-45. (P.D. Gingerich and K.D. Rose).
- 1977 An unusual new mammal from the early Eocene of northern Wyoming. Postilla no. 172: 1-10. (K.D. Rose, T.M. Bown and E.L. Simons).
- 1978 Review of: Results of the Polish-Mongolian Palaeontological Expedition—Parts II-VI. J. Paleont. 52(1): 214-217.
- 1978 (abstract) Clarkforkian mammal fauna of the northern Bighorn Basin, Wyoming. Geol. Soc. Amer. Abstr. With Prog. 10(6): 283.
- 1978 A new Paleocene epiacanthid (Mammalia), with comments on the Palaeoacanthia. J. Paleont. 52(3): 658-674.
- 1978 Alocodontulum, a new name for Alocodon Rose, Bown, and Simons, 1977, non Thulborn, 1973. J. Paleont. 52(5): 1162. (K.D. Rose, T.M. Bown and E.L. Simons).
- 1978 Guyot Museum revisited. (Letter) Princeton Alumni Weekly 79(3): 10-11.
- 1979 Mimoperadectes, a new marsupial, and Worlandia, a new dermopteran, from the lower part of the Willwood Formation (early Eocene), Bighorn Basin, Wyoming. Contrib. Mus. Paleont. Univ. Mich. 25(4): 89-104. (T.M. Bown and K.D. Rose).

- 1979 Reconnaissance survey and vertebrate paleontology of some Paleocene and Eocene formations in Pakistan. Contrib. Mus. Paleont. Univ. Mich. 25(5): 105-116. (P.D. Gingerich, D.E. Russell, D. Sigogneau-Russell, J.-L. Hartenberger, S.M.I. Shah, M. Hassan, K.D. Rose, and R.H. Ardrey).
- 1979 Anterior dentition of the Eocene condylarth Thryptacodon: convergence with the tooth comb of lemurs. J. Mammal. 60(1): 16-22. (P.D. Gingerich and K.D. Rose).
- 1979 Dental anomaly in the early Eocene condylarth Ectocion. J. Paleont. 53(3): 756-760. (K.D. Rose and B.H. Smith).
- 1979 The Clarkforkian Land-Mammal "Age" and mammalian faunal composition across the Paleocene-Eocene boundary. Ph.D. Dissertation, Univ. Michigan, 628 pp. (see 1981, Univ. Mich. Papers on Paleontology).
- 1979 Review of: Development, Function, and Evolution of Teeth, edited by P.M. Butler and K.A. Joysey. Amer. Scientist 67(4): 478.
- 1979 A New Paleocene palaeonodont and the origin of the Metacheiromyidae (Mammalia). Breviora, no. 455: 1-14.
- 1979 (abstract) The Clarkforkian Land-Mammal "Age" and mammalian faunal composition across the Paleocene-Eocene boundary. Diss. Abstracts Int. 40(5): 2098B.
- 1980 Clarkforkian Land-Mammal Age: revised definition, zonation, and tentative intercontinental correlations. Science 208: 744-746.
- 1980 Early Cenozoic mammalian faunas of the Clark's Fort Basin-Polecat Bench area, northwestern Wyoming. In: Early Cenozoic Paleontology and Stratigraphy of the Bighorn Basin, Wyoming (P.D. Gingerich, ed.), Univ. Mich. Papers on Paleont. 24: 51-68. (P.D. Gingerich, K.D. Rose, and D.W. Krause).
- 1981 The fossil history of nonhuman primates in the Americas. In: Ecology and Behavior of Neotropical Primates (A.F. Coimbra-Filho and R.A. Mittermeier, eds.), Acad. Brasil de Ciencias, Rio de Janeiro: 111-167. (K.D. Rose and J.G. Fleagle).
- 1981 Function of the mandibular tooth comb in living and extinct mammals. Nature 289: 583-585. (K.D. Rose, A. Walker, and L. Jacobs).
- 1981 Review of: Evolutionary History of the Primates, by F.S. Szalay and E. Delson. J. Paleont. 55(4): 910-913.
- 1981 The Clarkforkian Land-Mammal Age and mammalian faunal composition across the Paleocene-Eocene boundary. Univ. Mich. Papers in Paleontology 26: 1-197.
- 1981 Composition and species diversity in Paleocene and Eocene mammal assemblages: an empirical study. J. Vert. Paleont. 1(3-4): 367-388.
- 1982 Anterior dentition of the early Eocene plagiomenid dermopteran Worlandia. J. Mammal. 63(1): 179-183.
- 1982 Cyriacotheriidae, a new family of early Tertiary pantodonts (Mammalia) from western North America. Proc. Amer. Phil. Soc. 126: 26-50. (K.D. Rose and D.W. Krause).
- 1982 Skeleton of Diacodexis, oldest known artiodactyl. Science 216: 621-623.
- 1982 Presentation of the Schuchert Award of the Paleontological Society to Philip D. Gingerich. J. Paleont. 56(3): 829-830.

- 1982 New plesiadapiform primates from the Eocene of Wyoming and Montana. J. Vert. Paleont. 2(1): 63-69. (K.D. Rose and T.M. Bown).
- 1982 Review of: Evolutionary Biology of the New World Monkeys and Continental Drift, edited by R.L. Ciochon and A.B. Chiarelli. J. Human Evol. 11: 653-656.
- 1982 Studies on Paleocene and Early Eocene Apatemyidae (Mammalian, Insectivora). I. Dentition of Clarkforkian Labidolemur kayi. Contrib. Mus. Paleont. Univ. Mich. 26(4): 49-55. (P.D. Gingerich and K.D. Rose).
- 1983 Extraordinary fossorial adaptations in the Oligocene palaeonodons Epoicotherium and Xenocranium (Mammalia). J. Morphol. 175(1): 33-56. (K.D. Rose and R.J. Emry).
- 1983 Upper dentition of Ekgmowechashala (omomyid primate) from the John Day Formation, Oligo-Miocene of Oregon. Folia primatol. 41: 102-111. (K.D. Rose and J.M. Rensberger).
- 1984 (abstract) Phyletic gradualism in early Eocene omomyid primates. Am. J. Phys. Anthrop. 63(2): 210-211. (K.D. Rose and T.M. Bown).
- 1984 Gradual phyletic evolution at the generic level in early Eocene omomyid primates. Nature 309: 250-252. (K.D. Rose and T.M. Bown).
- 1984 (abstract) Evolution of fossil tarsier-like primates from Wyoming. Amer. Phil. Soc. Yearbook 1983: 120-121.
- 1984 Evolution and radiation of mammals in the Eocene, and the diversification of modern orders. Paleontological Society Short Course on Mammals, Univ. Tennessee Dept. Geol. Sci. Studies in Geol. 8: 110-127.
- 1984 Affinities of the primate Altanius from the early Tertiary of Mongolia. J. Mammal. 65(4): 721-726. (K.D. Rose and D.W. Krause).
- 1984 Early Eocene Pelycodus jarrovi (Primates: Adapidae) from Wyoming: phylogenetic and biostratigraphic implications. J. Paleont. 58(6): 1532-1535. (K.D. Rose and T.M. Bown).
- 1984 Reassessment of some early Eocene Omomyidae, with description of a new genus and three new species. Folia primatol. 43: 97-112. (T.M. Bown and K.D. Rose).
- 1985 The skeleton of early Eocene Cantius, oldest lemuriform primate. Am. J. Phys. Anthrop. 66(1): 73-89. (K.D. Rose and A. Walker).
- 1985 The first radiation—plesiadapiform primates (chapter 5: pp. 41-51); The second radiation—prosimians (chapter 7: pp. 58-63); The third radiation—higher primates (chapter 16: pp. 124-132). In: Primate Anthropology: Collected Readings (R. Ciochon and J. Fleagle, eds.), Benjamin Cummings Publ. [reprint of: The fossil history of nonhuman primates in the Americas, K.D. Rose and J.G. Fleagle, 1981].
- 1985 (abstract) Skeletal anatomy in early ungulates and the origin of modern ungulate orders. Int. Theriological Cong. IV, abstr. No. 537.
- 1985 Comparative osteology of North American dichobunid artiodactyls. J. Paleont. 59(5): 1203-1226.
- 1986 (abstract) Dental variation in the early Eocene Adapidae Cantius and Copelemur, and some paleoecological implications. Am. J. Phys. Anthrop. 69: 174. (K.C. Beard, K.D. Rose, and T.M. Bown).
- 1986 Review of: Evolutionary Relationships Among Rodents, edited by W.P. Luckett and J.-L. Hartenberger. Quart. Rev. Biol. 61(3): 418-419.

- 1986 Gradual evolution and species discrimination in the fossil record. In: *Phylogeny, and Philosophy* (K.M. Flanagan and J.A. Lillegraven, eds.), Univ. Wyo. Contrib. Spec. Paper 3: 119-130. (K.D. Rose and T.M. Bown).
- 1987 A new insectivore from the Clarkforkian (earliest Eocene) of Wyoming. J. Mammal. 68(1): 17-27. (K.D. Rose and P.D. Gingerich).
- 1987 (abstract) Skeletal adaptations in early Eocene mammals from the Willwood Formation, Bighorn Basin, Wyoming. Geol. Soc. Amer. Abstr. With Programs 19(5): 330.
- 1987 (abstract) Early Eocene mammal skeletons from the Bighorn Basin (Wyoming): significance to the Messel fauna. Abstr. Int. Messel Symposium (Frankfurt).
- 1987 Climbing adaptations in the early Eocene mammal Chriacus and the origin of Artiodactyla. Science 236: 314-316.
- 1987 (abstract) New skeletal remains of Eocene palaeonodons. J. Vert. Paleont. 7(suppl. to no. 3): 24A.
- 1987 Patterns of dental evolution in early Eocene anaptomorphine primates (Omomyidae) from the Bighorn Basin, Wyoming. Paleont. Soc. Memoir 23 (J. Paleont. 61, suppl. to no. 5): 1-162. (T.M. Bown and K.D. Rose).
- 1987 First North American Land Mammal Ages of the Cenozoic Era. In: *Cenozoic Mammals of North America* (M.O. Woodburne, ed.), Univ. Calif. Press, Berkeley: 24-76 (J.D. Archibald, W.A. Clemens, P.D. Gingerich, D.W. Krause, E.H. Lindsay, and K.D. Rose).
- 1988 (abstract) Skeleton of early Eocene Anacodon (Mammalia, Arctocyonia). J. Vert. Paleont. 8(suppl. to no. 3): 24A-25A.
- 1988 Early Eocene mammal skeletons from the Bighorn Basin (Wyoming): significance to the Messel fauna. Courier Forschungsinstitut Senckenberg 107: 435-450.
- 1989 (abstract) Distribution and correlation of fossil vertebrate localities of the Willwood Formation (Lower Eocene), Southern Bighorn Basin, Wyoming. J. Vert. Paleont. 9(suppl. to no. 3): 14A. (T.M. Bown and K.D. Rose).
- 1989 (abstract) Postcranial skeletal form in the oldest Artiodactyls. J. Vert. Paleont. 9(suppl. to no. 3): 21A. (J.L. Franzen and K.D. Rose).
- 1989 (abstract) Jaw biomechanics and feeding behavior of the gigantic Eocene bird Diatryma. J. Vert. Paleont. 9(suppl. to no. 3): 45A. (L.M. Witmer, K.D. Rose and T.M. Bown).
- 1989 Craniodental morphology and relationships of the supposed Eocene dermopteran Plagiomene (Mammalia). J. Vert. Paleont. 9: 329-349. (R.D.E. MacPhee, M. Cartmill, and K.D. Rose).
- 1990 Review of: Digging Into the Past, an autobiography by E.H. Colbert. J. Vert. Paleont. 10: 137-138.
- 1990 In defense of Neo-Darwinism. (Review of: Arguments on Evolution, A Paleontologist's Perspective, by Antoni Hoffman.) Bioscience 40(4): 312-313.
- 1990 Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior. Geol. Soc. Amer. Spec. Paper 243. (T.M. Bown and K.D. Rose, eds.).
- 1990 Preface. In: Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior (T.M. Bown and K.D. Rose, eds.), Geol. Soc. Amer. Spec. Paper 243: v-ix. (T.M. Bown and K.D. Rose).
- 1990 Postcranial skeletal remains and adaptations in early Eocene mammals from the Willwood Formation, Bighorn Basin, Wyoming. In: Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior (T.M. Bown and K.D. Rose, eds.), Geol. Soc. Amer. Spec. Paper 243: 107-133.

- 1990 (abstract) New evidence on the early diversification of omomyid primates from the Wasatchian Willwood Formation, Wyoming. J. Vert. Paleont. 10(suppl. to no. 3): 39A. (K.D. Rose and T.M. Bown).
- 1991 Additional fossil evidence on the early differentiation of the earliest euprimates. Proc. Natl. Acad. Sci. USA 88: 98-101. (K.D. Rose and T.M. Bown).
- 1991 Revision of the Wind River Faunas, Early Eocene of Central Wyoming. Part 11. Palaeonodonta (Mammalia). Annals of Carnegie Museum 60(1): 63-82. (K.D. Rose, L. Krishtalka, and R.K. Stucky).
- 1991 (abstract) Species recognition in Eocene primates. Am. J. Phys. Anthropol., suppl. 12: 153. (K.D. Rose and T.M. Bown).
- 1991 Evolutionary relationships of a new genus and three new species of omomyid primates (Willwood Formation, Lower Eocene, Bighorn Basin, Wyoming). J. Human Evol. 20: 465-480. (T.M. Bown and K.D. Rose).
- 1991 Foot morphology and evolution in early Eocene Cantius. Am. J. Phys. Anthropol. 86: 51-73. (D.L. Gebo, M. Dagosto, and K.D. Rose).
- 1991 Biomechanics of the jaw apparatus of the gigantic Eocene bird Diatryma: implications for diet and mode of life. Paleobiology 17: 95-120. (L.M. Witmer and K.D. Rose).
- 1991 Thomas M. Bown, [recipient of SEPM] Outstanding Paper Award, 1987. J. Sed. Petrology 61: 1054-1055.
- 1991 (abstract) Eigenshape analysis as a tool for inferring locomotor behavior in fossil mammals. J. Vert. Paleont. 11(suppl. to no. 3): 44A. (N. MacLeod and K.D. Rose).
- 1991 (abstract) Skeleton of the giant early Eocene mesonychid Pachyaena. J. Vert. Paleont. 11(suppl. to no. 3): 48A-49A. (M.A. O'Leary and K.D. Rose).
- 1991 (abstract) Temporal holostrome reconstruction of the Willwood Formation and the reapportionment of paleopedologic, sedimentologic, and paleobiotic events in time. J. Vert. Paleont. 11(suppl. to no. 3): 17A. (T.M. Bown, M.J. Kraus and K.D. Rose).
- 1992 (abstract) Relation of extinctions and immigrations of Omomyidae and other mammals to paleosol type, sediment accumulation rates, and tectonics. Am. J. Phys. Anthropol. 87(suppl. 14): 52. (T.M. Bown, K.D. Rose, and M.J. Kraus).
- 1992 (abstract) Functional comparisons among modern and Paleogene mammals based on quantitative analyses of skeletal element outlines. NAPC-V Abstracts. (N. MacLeod and K.D. Rose).
- 1992 (abstract) Skeleton and locomotor adaptation in the early Eocene creodont Prolimnocyon atavus. J. Vert. Paleont. 12(suppl. to no. 3): 49A. (K.D. Rose and D.L. Gebo).
- 1992 Skeleton of Alocodontulum atopum, an early Eocene epoicotheriid (Mammalia: Palaeonodonta) from the Bighorn Basin, Wyoming. Contrib. Mus. Paleont. Univ. Mich. 28: 221-245. (K.D. Rose, R.J. Emry, and P.D. Gingerich).
- 1993 Inferring locomotor behavior in Paleogene mammals via eigenshape analysis. Am. J. Sci. 293A: 300-355. (N. MacLeod and K.D. Rose).
- 1993 Skeletal morphology and locomotor adaptation in Prolimnocyon atavus, an early Eocene hyaenodontid creodont. J. Vert. Paleont. 13(1): 125-144. (D.L. Gebo and K.D. Rose).

- 1993 Species concepts and species recognition in Eocene primates, pp. 299-330. In: Species, Species Concepts, and Primate Evolution (W. Kimbel and L. Martin, eds.), Plenum Publ. Corp., New York. (K.D. Rose and T.M. Bown).
- 1993 Relationships of Xenarthra, Pholidota, and fossil "edentates": the morphological evidence, pp. 81-102. In: Mammal Phylogeny: Placentals (F.S. Szalay, M.J. Novacek, and M.C. McKenna, eds.), Springer Verlag, New York. (K.D. Rose and R.J. Emry).
- 1993 (abstract) Character evolution and the nature of some replacement faunas of Tertiary mammals of North and South America. J. Vert. Paleont. 13(suppl. to no. 3): 27A. (T.M. Bown, K.D. Rose, and D.K. Anderson).
- 1993 (abstract) Oxyaena (order Creodonta): locomotor adaptations and paleobiology revisited. J. Vert. Paleont. 13(suppl. to no. 3): 41A. (R. Heinrich and K.D. Rose).
- 1993 (abstract) Association between size change and paleotemperature records in some small early Eocene mammals. J. Vert. Paleont. 13(suppl. to no. 3): 42A. (P.A. Holroyd, T.M. Bown, and K.D. Rose).
- 1993 (abstract) Succession of Wasatchian Paromomyidae (Plesiadapiformes), Bighorn Basin, Wyoming. J. Vert. Paleont. 13(suppl. to no. 3): 55A. (K.D. Rose and T.M. Bown).
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