

DONALD ROSS PROTHERO

Education

University of California, Riverside. 1972-1976.

B.A., 1976, majors in geology and biology.

Columbia University, New York, New York. 1976-1982.

M.A., 1978, geological sciences; M.Phil., 1979, geological sciences;

Ph.D., 1982, geological sciences.

Title of dissertation: "Medial Oligocene magnetostratigraphy and mammalian biostratigraphy: testing the isochroneity of mammalian biostratigraphic events."

Academic honors and grants

Occidental College: grant from Petroleum Research Fund, 1985-1987; SVP Romer Prize Committee, 1987-9; Associate Editor, *Paleobiology*, 1987-1989; NSF grant EAR87-08221, 1987-1991; Fellow of the Linnean Society of London, 1987; Guggenheim Fellow, 1988-1989; Adjunct Editor, *Paleobiology*, 1990-1992; Schuchert Award of the Paleontological Society (outstanding paleontologist under 40), 1991; NSF grant EAR91-17819, 1991-1994; Editorial Board, *Skeptic*, 1992-present; Technical Editor, *Journal of Paleontology*, 1992-1998; SVP Program Committee, 1993-1997; Outstanding Paper Award, *Skeptic*, 1993; Paleontological Society Distinguished Speaker, 1993-1994; NSF grant 94-05942, 1994-1997: *Choice* outstanding science book of 1995 (*Paradise Lost*); consulting editor, *McGraw-Hill Yearbook of Science and Technology*, 1996-present; consulting editor, *McGraw-Hill Encyclopedia of Science and Technology* (9th ed.), 1997; NSF grant EAR97-06046, 1997-1999; elected Fellow of the GSA, 10/21/97; grant from Petroleum Research Fund, 1998-2000; GRE Geology Examination Committee, 1998-2000; NSF grant EAR98-05071, 1998-2000; Chair, SVP Program Committee, 1998-2003; SVP Media Liaison Committee, 1998-2003 (*ex officio*); NSF Review Panelist, Geology & Paleontology, 2000; Vice-President, Pacific Section SEPM, 2000-2001; NSF grant EAR00-00174, 2000-2002; grant from Petroleum Research Fund, 2000-2002; GSA Penrose Committee, 2002-2005; Editorial Board, *Geology*, 2002-2005; grant from Petroleum Research Fund, 2002-2005; Research Associate, Natural History Museum of Los Angeles County, 2002-present; Paleontological Society Student Grants Committee, 2003-2007; NSF grant EAR03-09538, 2003-2005; Research Associate, San Diego Natural History Museum, 2004-present; Paleontological Society Fellow, 2004-present; Paleontological Society Medal Committee, 2004-2007; LACM Cenozoic Hall expert panel, 2007-2010; New Mexico Museum Publications Board, 2007-present; AAP award, outstanding book in earth science, 2007 (*Evolution: What the Fossils Say and Why it Matters*); grant from Petroleum Research Fund, 2008-2011; grant from NSF EAR08-18520, 2008-2009; President, Pacific Section SEPM (2010-present)

Knox College: grant from Petroleum Research Fund, 1983-1985; declined grant from Research Corporation, 1983.

Columbia University: NSF Graduate Fellowship, 1976-1979; Columbia Faculty Fellowship, 1976-1982; Sigma Xi grant in aid of research, 1981.

University of California, Riverside: Phi Beta Kappa (Iota of California), 1975; College Award (outstanding senior in natural and agricultural sciences), 1976; B.A. with highest honors, 1976; dean's honors list every quarter at UCR; 3.92 cumulative G.P.A.

Academic experience

Occidental College: Assistant Professor of Geology, 1985-1991; Associate Professor of Geology, 1991-2001; Full Professor, 2001-present. Chair, 1992-1995, 2002-2004; Acting Chair, Spring, 1997, Spring, 1999
California Institute of Technology: Research Associate, 1986-present; Lecturer in Geobiology, 2003-present.
Knox College: Assistant Professor of Geology, 1982-1985; Chair, 1984-1985.
Vassar College: Instructor in Geology, Fall 1979, Fall 1981.
Columbia University: Teaching assistant, 1978.

Special qualifications

Field experience: paleontological and geological field work in every state of the western U.S., primarily in California, Oregon, Washington, Utah, New Mexico, Texas, Wyoming, Nebraska, Colorado, Montana, and the Dakotas. Familiar with geologic mapping, paleomagnetic sampling, prospecting and recovery of fossil vertebrates by quarrying and screenwashing. Planned, organized, and led many cross-country geology field trips for undergraduates: Vassar (1981); Knox (1983, 1984); Occidental (1987, 1988, 1989, 1990, 1992, 1997, 1998, 1999, 2001, 2002, 2003, 2005, 2009).

Membership in scientific organizations

Society of Vertebrate Paleontology (Program Committee chair, 1998-2003); Paleontological Society; Geological Society of America (elected Fellow, 1997); American Geophysical Union; Society of Sigma Xi (elected 1983); Linnean Society of London (elected Fellow, 1987); Pacific Section SEPM (Vice-President, 2000-2001, President, 2010-present); Society for the Study of Mammalian Evolution (2005-present)

Meetings organized

1986: George Gaylord Simpson Memorial Symposium. Fourth North American Paleontological Convention, Boulder, Colorado, 8/86
1989: Penrose Conference, Late Eocene-Oligocene climatic and biotic evolution. Rapid City, South Dakota, 8/1-8/5/89
1989: GSA Theme Session, Late Eocene-Oligocene climatic and biotic evolution. Geological Society of America Annual Meeting, St. Louis, 11/6/89
1994: Paleontological Society Short Course: Major Features of Vertebrate Evolution. Geological Society of America Annual Meeting, Seattle, 10/23/94
1997: Magnetic stratigraphy and high-resolution chronostratigraphy of the Pacific Coast Cenozoic. Pacific Section AAPG-SEPM Meeting, Bakersfield, CA, 5/16/97.
1999: Penrose Conference, The Marine Eocene-Oligocene Transition, Olympia, WA, 8/17-22/99
1999: Topical Session: From Greenhouse to Icehouse. GSA Meeting, Denver, 10/27/99
2001: Pacific Coast Cenozoic Magnetic Stratigraphy. Cordilleran Section GSA and Pacific Section AAPG-SEPM Meeting, Hollywood, CA, 4/10/01.
2004: Western Association of Vertebrate Paleontologists, Occidental College, 2/14/04
2004: California Paleontology Conference, Occidental College, 5/1/04

TV appearances

1991: *Jeopardy!*
1995: *Paleoworld: Are Rhinos Dinosaurs?* (Discovery Channel) Main consultant; on-camera appearance
1999: *Win Ben Stein's Money!* (beat Ben Stein for the \$5000 grand prize)
2002: *Walking with Prehistoric Beasts* (Discovery Channel) Consulting and on-camera appearance in full-length version
2008: *Prehistoric Monsters Revealed* (History Channel). Consultant and on-camera appearances
2009: *Monsterquest: The Last Dinosaur?* (History Channel) On-camera appearances
2009: *Prehistoric Predators: Entelodont* (National Geographic) On-camera appearances
2009: *Prehistoric Predators: Hyaenodon* (National Geographic) On-camera appearances
2010: *Mega Beasts: Bear Dog* (Discovery Channel) On-camera appearances
2010: *Predators of the Past: Hyaenodon* (Discovery Channel) On-camera appearances

Invited presentations

- 12/11 NYC Skeptics, “Catastrophes!”
- 11/11 Natural History Museum of L.A. County, “Stasis in mammals despite climate change”
- 10/11 Minnesota Atheists, “The Holocaust Deniers’ Playbook”
- 9/11 The Bone Room, Berkeley, “Stasis in La Brea tar pits mammals”
- 9/11 Bay Area Skeptics, “Catastrophes!”
- 5/11 Skeptic Society, “Catastrophes!”
- 1/11 Bayard Brattstrom Lecture, Saddleback College, “Evolution: what the fossils say”
- 11/10 South Pasadena Seniors, “Do mammals evolve in response to climate change?”
- 10/10 Invited Talk at GSA: “Teaching Paleontology: From Memorization to Inspiration”
- 10/10 University of Colorado, Boulder, guest lecture to paleontology class
- 5/10 South Pasadena Seniors, “The Fossil Record”
- 2/10 USC, Departmental Colloquium, “Eocene-Oligocene plants and climate change”
- 12/09 Whittier College, “Do mammals evolve in response to climatic change?”
- 12/09 Skeptics Society, “Greenhouse of the Dinosaurs”
- 12/09 USC, Paleoenvironmental Seminar, “Stasis in Pleistocene mammals”
- 11/09 Debate against creationists on “Origins of Life,” Saban Theater, Beverly Hills
- 11/09 South Pasadena Seniors, “Horses and Rhinos and Camels, Oh My!”
- 5/09 South Pasadena Seniors, “Birth of the Earth”
- 5/09 La Sierra University, Riverside, CA, 3 different talks
- 3/09 Tyrrell Museum, Drumheller, Alberta, “Evolution: What the fossils say”
- 3/09 Alberta Paleontological Society meeting, Calgary: “Stasis in Pleistocene mammals”
- 3/09 University of Calgary, Alberta: “Stasis in Pleistocene mammals”
- 3/09 University of Tulsa, Oklahoma: “Evolution: What the fossils say”
- 3/09 University of Alabama, Tuscaloosa: “Evolution: What the fossils say”
- 2/09 South Pasadena Seniors, “The limits of growth”
- 2/09 Skeptics Society Darwin’s Birthday Celebration, “Evolution and paleontology”
- 2/09 Cornell University/PRI, “Evolution: What the fossils say”
- 2/09 Colgate University, “Evolution: What the fossils say”
- 2/09 Syracuse University, “Evolution: What the fossils say”
- 2/09 SUNY Oswego, “Evolution: What the fossils say”
- 2/09 Los Angeles County Museum of Natural History, First Fridays
- 1/09 Greenville, SC, “Evolution: What the fossils say”
- 1/09 Charleston, SC, “Evolution: What the fossils say”
- 1/09 Columbia, SC, “Evolution: What the fossils say”
- 1/09 Charlotte, NC, “Evolution: What the fossils say”
- 1/09 NYC Skeptics, “Evolution: What the fossils say”
- 1/09 American Museum of Natural History, New York, “Evolution”
- 1/09 Cal State University Channel Islands, “Evolution: What the fossils say”
- 11/08 South Pasadena Seniors, “Mass extinctions”
- 10/08 Public Forum on Evolution, GSA meeting, Houston, TX
- 8/08 South Pasadena Seniors: “Greenhouse and Icehouse”
- 6/08 Field Museum of Natural History (Chicago) seminar
- 5/08 Pat Abbott Festschrift, Pacific Section SEPM Meeting, Bakersfield
- 4/08 South Pasadena Seniors, “Evolution: What the Fossils Say”
- 1/08 Pasadena Seniors, “Evolution: What the Fossils Say”
- 11/07 Skeptics Society Lecture, “The Breathtaking Inanity of Flood Geology”
- 10/07 Western Interior Paleontological Society, Denver, CO
- 9/07 Yale University, New Haven, CT
- 3/07 Western Interior Paleontological Society, Denver, CO—keynote address
- 1/07 Los Angeles County Museum of Natural History
- 10/6 South Coast Geological Society
- 8/06 Inland Geological Society
- 6/06 Skeptics Society Conference, “The Environmental Wars”
- 4/06 Museum of Paleontology, South Dakota School of Mines, Rapid City, SD

12/05 Skeptics Society Lecture, "Evolution"
 9/05 Hurricane Katrina Benefit Lecture, Whittier College
 10/04 Featured Scientists Presentation, Caltech
 10/04 Geology Seminar, Glendale College
 10/04 Geology Seminar, Pomona College
 9/04 Geology Department Seminar, University of New Mexico, Albuquerque, NM
 4/04 Biology Seminar, Pasadena City College
 3/03 Woodburne Festschrift, UC Riverside
 1/03 Geology Club, Caltech
 11/02 Mesozoic-Cenozoic Bioevents Symposium, Berlin, Germany
 5/02 Univ. California, Dept. Integrative Biology, Berkeley, CA
 9/01 Mensa Convention, Pismo Beach, CA
 10/00 Stephen J. Gould Festschrift, Skeptics Society
 1/00 Featured speaker, Darwin Days, University of Tennessee, Knoxville
 6/99 GSA Cordilleran section meeting, Berkeley, CA
 5/99 Skeptics Society Conference, "Reinventing Evolution"
 4/99 Geology Club, Caltech
 2/99 Cenozoic Paleobiology Symposium, Gainesville, FL
 1/99 Univ. Oregon, Department of Geology, Eugene, OR
 10/98 SVP Paleocology Symposium, Snowbird, UT
 9/98 Cal State Northridge, Dept. Geological Sciences
 9/98 Branner Club, Caltech
 6/98 Southern California Mineralogical Society, Arcadia
 3/98 CSEOL, UCLA
 12/97 Université de Montpellier, France (talk and dissertation defense committee)
 10/97 Hot Topics at Noon Debate, "Turnover Pulse," GSA, Denver, CO
 2/97 UC Santa Barbara, Dept. Geological Sciences
 2/97 UC Berkeley, Dept. Integrative Biology
 2/97 UC Santa Cruz, Dept. Earth Sciences
 12/96 Cal State Fullerton, Dept. Biological Sciences
 10/96 Harvey Mudd College, Dept. Biological Sciences
 10/95 USC, Dept. Geological Sciences
 3/96 UC Davis, Dept. Geology
 3/96 Cal State Sacramento, Dept. Geology
 5/95 San Joaquin Geological Society, Bakersfield
 4/95 White River-Arikaree Symposium, GSA North-Central Section Meeting, Lincoln, NE
 10/94 Buwalda Lecture, Caltech
 8/93 Paleoclimatology Conference, Penn State Univ., PA
 6/92 Fifth North American Paleontological Convention, Chicago, IL
 2/92 CSEOL, UCLA
 10/91 National Zoo, Washington, DC
 5/91 International Rhino Conference, San Diego
 5/91 U.S. Geological Survey, Menlo Park, CA
 5/91 UC Santa Cruz, Dept. Earth Sciences
 2/91 Cal State Fullerton, Dept. Geological Sciences
 5/90 Mammalian Phylogeny Conference, New York, NY
 2/90 Pomona College, Dept. Geology
 5/89 International Geological Congress, Washington, DC
 10/88 UC Riverside, Dept. Earth Sciences
 2/88 San Diego State University, Dept. Geological Sciences
 1/88 CSEOL, UCLA
 1/88 Rutgers University, Dept. Geological Sciences, New Brunswick, NJ
 10/87 National Association of Geology Teachers Symposium, Phoenix, AZ
 5/87 CSEOL, UCLA
 3/87 Tetrapod Phylogeny Symposium, London
 2/87 USC, Dept. Earth Sciences

11/86 Cal State Fullerton, Dept. Geological Sciences
8/86 Fourth North American Paleontological Convention, Boulder, CO
6/86 Society for the Study of Evolution meeting, Bangor, ME
2/86 Los Angeles County Museum of Natural History
8/85 Fourth International Theriological Congress, Edmonton, Alberta, Canada

Plus at least one presentation at every GSA meeting since 1979 and every SVP meeting since 1978

BOOKS

1. Prothero, D.R., and R.M. Schoch (eds.), 1989, *The Evolution of Perissodactyls*. Oxford Univ. Press, New York, 537 pp.
2. Prothero, D.R., 1990. *Interpreting the Stratigraphic Record*. W.H. Freeman, New York, 410 pp.
3. Prothero, D.R., and W.A. Berggren (eds.), 1992, *Eocene-Oligocene Climatic and Biotic Evolution*. Princeton Univ. Press, Princeton, N.J., 568 pp.
4. Dott, R.H., Jr., and Prothero, D.R., 1994, *Evolution of the Earth* (5th ed.), McGraw-Hill, New York, 570 pp.
5. Prothero, D.R., 1994, *The Eocene-Oligocene Transition: Paradise Lost*. Columbia Univ. Press, New York, 291 pp.
6. Prothero, D.R., and R.M. Schoch (eds.), 1994, *Major Features of Vertebrate Evolution*. Paleontological Society Short Courses in Paleontology, no. 7, 270 pp.
7. Prothero, D.R., and R.J. Emry (eds.), 1996, *The Terrestrial Eocene-Oligocene Transition in North America*, Cambridge Univ. Press, New York, 688 pp.
8. Prothero, D.R., and F. Schwab, 1996, *Sedimentary Geology*. (1st ed.). W.H. Freeman, New York, 574 pp.
9. Prothero, D.R., 1998, *Bringing Fossils to Life: An Introduction to Paleobiology*, (1st ed.) WCB/McGraw-Hill, New York, 480 pp.
10. Prothero, D.R. (ed.), 2001, *Modern and Ancient Barrier, Lagoonal, and Marine Environments, Ventura County, California*. Pacific Section SEPM Special Publication 90, 57 pp.
11. Prothero, D.R., and R.H. Dott, Jr., 2001, *Evolution of the Earth* (6th ed.), McGraw-Hill, New York, 570 pp.
12. Marshak, S., and Prothero, D.R., 2001, *Earth: Portrait of a Planet*. W.W. Norton, New York, 735 pp.
13. Prothero, D.R. (ed.), 2001, *Magnetic Stratigraphy of the Pacific Coast Cenozoic*. Pacific Section SEPM Special Publication 91, 394 p.
14. Prothero, D.R., and R.M. Schoch, 2002, *Horns, Tusks, and Flippers: The Evolution of Hoofed Mammals*. Johns Hopkins University Press, Baltimore, 309 pp.
15. Prothero, D.R., L.C. Ivany, and E.A. Nesbitt (eds.), 2003, *From Greenhouse to Icehouse: The Marine Eocene-Oligocene Transition*. Columbia Univ. Press, New York, 541 pp.
16. Prothero, D.R., 2003, *Bringing Fossils to Life: An Introduction to Paleobiology* (2nd ed.). WCB/McGraw-Hill, New York, 503 pp.
17. Prothero, D.R. and R.H. Dott, Jr., 2003, *Evolution of the Earth* (7th ed.), McGraw-Hill, New York, 524 pp.
18. Prothero, D.R. and F. Schwab, 2003, *Sedimentary Geology*. (2nd ed.). W.H. Freeman, New York, 557 pp.
19. Prothero, D.R., 2005. *The Evolution of North American Rhinoceroses*. Cambridge Univ. Press, Cambridge, 218 pp.
20. Prothero, D.R., 2006. *After the Dinosaurs: The Age of Mammals*. Indiana University Press, Bloomington, 362 pp.

21. Prothero, D.R. 2007. *Evolution: What the Fossils Say and Why it Matters*. Columbia University Press, New York, 381 pp.
22. Prothero, D.R., and S. Foss (eds.) 2007. *The Evolution of Artiodactyls*. Johns Hopkins Univ. Press, Baltimore, MD, 361 pp.
23. Lucas, S.G., Morgan, G.S., Spielmann, J.A., and Prothero, D.R. (eds). 2008. *Neogene Mammals*. New Mexico Museum of Natural History and Science Bulletin 44.
24. Prothero, D.R. 2009. *Greenhouse of the Dinosaurs*. Columbia Univ. Press, New York.
25. Prothero, D.R., and R.H Dott, Jr. 2009. *Evolution of the Earth* (8th ed.), McGraw-Hill, New York.
26. Prothero, D.R. 2011. *Catastrophes!* Johns Hopkins University Press, Baltimore, 326 pp.
27. Loxton, D., and D.R. Prothero. 2012. *Abominable Science: The Origin of Yeti, Nessie, and Other Cryptids*. Columbia Univ. Press, New York (in press)
28. Prothero, D.R. 2012. *Rhinoceros Giants: The Paleobiology of Indricotheres*. Indiana University Press (in press)
29. Prothero, D.R. 2012. *Ten Pseudoscientific Myths and How we Fall for Them*. Johns Hopkins University Press (in press)
30. Prothero, D.R., 2012, *Bringing Fossils to Life: An Introduction to Paleobiology* (3rd ed.). Columbia Univ. Press, New York (in press)
31. Prothero, D.R. and F. Schwab, 2012, *Sedimentary Geology*. (3rd ed.). W.H. Freeman, New York (in press).

PAPERS

(* indicates refereed paper)

1. *Prothero, D.R., and R. Estes, 1980. Late Jurassic lizards from Como Bluff, Wyoming, and their palaeobiogeographic significance. *Nature*, 186 (5772): 484-486.
2. *Prothero, D.R., and D.B. Lazarus, 1980. Planktonic microfossils and the recognition of ancestors. *Systematic Zoology*, 29: 119-129.
3. *Prothero, D.R., 1981. New Jurassic mammals from Como Bluff, Wyoming, and the interrelations of the non-tribosphenic Theria. *Bulletin of the American Museum of Natural History*, 167(5): 277-326.
4. *Lavin, L., and Prothero, D.R., 1981. Microscopic analysis of cherts within and adjacent to the Delaware River watershed. *Man in the Northeast*, 21: 3-17.
5. *Prothero, D.R., and P.C. Sereno, 1982. Allometry and paleoecology of medial Miocene dwarf rhinoceroses from the Texas Gulf Coastal Plain. *Paleobiology*, 8(1): 16-30.
6. Prothero, D.R., 1982. How isochronous are mammalian biostratigraphic events? *Proceedings of the 3rd North American Paleontological Convention*, 2: 405-409.
7. Lazarus, D.B., J.D. Hays, and Prothero, D.R., 1982. Evolution in the radiolarian species-complex Pterocanium. *Proceedings of the 3rd North American Paleontological Convention*, 2: 323-328.
8. *Prothero, D.R., C.R. Denham, and H.G. Farmer, 1982. Oligocene calibration of the magnetic polarity timescale. *Geology*, 10: 650-653.
9. *Prothero, D.R., C.R. Denham, and H.G. Farmer, 1983. Magnetostratigraphy of the White River Group and its implications for Oligocene geochronology. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 42: 151-166.
10. *Prothero, D.R., 1983. The oldest mammalian petrosals from North America. *Journal of Paleontology*, 57(4): 1040-1046.
11. Prothero, D.R., C.R. Denham, and H.G. Farmer, 1983. Oligocene calibration of the magnetic polarity timescale: reply to Gordon Ness. *Geology*, 11: 429-431.
12. *Prothero, D.R., and J.A. Jensen, 1983. A mammalian humerus from the Upper Jurassic of Colorado. *Great Basin Naturalist*, 43(4): 551-553.
13. *Lazarus, D.B., and Prothero, D.R., 1984. The role of stratigraphic and morphologic data in phylogeny reconstruction. *Journal of Paleontology*, 58(1): 163-172.
14. *Prothero, D.R., 1984. Magnetostratigraphy of the Early Oligocene Pipestone Springs locality, Jefferson County, Montana. *Contributions to Geology of the University of Wyoming*, 23 (1): 33-36.
15. *Lazarus, D., R.P. Scherer, and Prothero, D.R., 1985. Evolution of the radiolarian species-complex Pterocanium: a preliminary survey. *Journal of Paleontology*, 59(1): 183-221.
16. *Prothero, D.R., and J.M. Armentrout, 1985. Magnetostratigraphic correlation of the Lincoln Creek Formation, Washington: implications for the age of the Eocene-Oligocene boundary. *Geology*, 13: 208-211.
17. *Prothero, D.R., 1985. Chadronian (early Oligocene) magnetostratigraphy of eastern Wyoming: implications for the Eocene-Oligocene boundary. *Journal of Geology*, 93: 555-565.

18. *Prothero, D.R., 1985. Mid-Oligocene extinction event in North American land mammals. *Science*, 229 (4713): 550-551.
19. *Prothero, D.R., 1985. Correlation of the White River Group by magnetostratigraphy, in J.E. Martin (ed.), *Fossiliferous Cenozoic deposits of western South Dakota and northwestern Nebraska*. Dakoterra, Museum of Geology, South Dakota School of Mines, 2(2): 265-276.
20. *Prothero, D.R., 1985. North American mammalian diversity and Eocene-Oligocene extinctions. *Paleobiology*, 11(4): 389-405.
21. *Prothero, D.R., and J.M. Rensberger, 1985. Magnetostratigraphy of the John Day Formation, Oregon, and the North American Oligocene-Miocene boundary. *Newsletters in Stratigraphy*, 15 (2): 59-70.
22. *Prothero, D.R., 1986. A new oromerycid (Mammalia, Artiodactyla) from the early Oligocene of Montana. *Journal of Paleontology*, 60 (2): 458-465.
23. *Prothero, D.R., E. Manning, and C.B. Hanson, 1986. The phylogeny of the Rhinoceroidea (Mammalia, Perissodactyla). *Zoological Journal of the Linnean Society of London*, 87:341-366.
24. *Prothero, D.R., and E. Manning, 1987. Miocene rhinoceroses from the Texas Gulf Coastal Plain. *Journal of Paleontology*, 61(2): 388-423.
25. Prothero, D.R., 1987. The rise and fall of the American rhino. *Natural History*, 96 (8): 26-33.
26. *Lavin, L., and Prothero, D.R., 1987. Identification of "jasper" sources in parts of the Northeast and Mid-Atlantic regions. *Bulletin of the New Jersey Archeological Society*, 42: 11-23.
27. Graham, R.W., R. Hook, Prothero, D.R., and J. Gauthier, 1988. Vertebrate paleontology. *Geotimes*, 33 (2): 59-60.
28. *Prothero, D.R., 1988. Mammals and magnetostratigraphy. *Journal of Geological Education*, 34(4): 227-236.
29. *Prothero, D.R., E. Manning, and M. Fischer, 1988. The phylogeny of the ungulates, in M.J. Benton (ed.), *The phylogeny and classification of the tetrapods*, Systematics Assoc. Spec. Vol. 35 (2): 201-234, Clarendon Press, Oxford.
30. Prothero, D.R., 1988. Review of "Cenozoic mammals of North America: geochronology and biostratigraphy." *Palaios*, 3(6): 612-613
31. *Gradstein, F.M., F.P. Agterberg, M.-P. Aubry, W.A. Berggren, J.J. Flynn, R. Hewitt, D.V. Kent, K.D. Klitgord, K.G. Miller, J.D. Obradovich, J.G. Ogg, Prothero, D.R., and G.E.G. Westermann, 1989. Chronology of fluctuating sea levels since the Triassic: a critique. *Science*, 241: 599-601.
32. *Aubry, M.-P., W.A. Berggren, D.V. Kent, J.J. Flynn, K.D. Klitgord, J.D. Obradovich, and Prothero, D.R., 1989. Paleogene geochronology: an integrated approach. *Paleoceanography*, 3 (6): 707-742.
33. Graham, R.W., Prothero, D.R., J. Gauthier, and H.-P. Schultze, 1989. Vertebrate paleontology. *Geotimes*, 34 (2): 46-47.
34. *Prothero, D.R., 1989. Stepwise extinctions and climatic decline during the later Eocene and Oligocene, in S.K. Donovan (ed.), *Mass Extinctions: Processes and Evidence*. Belhaven Press and Columbia Univ. Press, pp. 211-234.
35. *Prothero, D.R., and N. Shubin, 1989. The evolution of Oligocene horses, in Prothero, D.R. and R.M. Schoch (eds.), *The Evolution of Perissodactyls*. Oxford Univ. Press, New York, pp. 142-175.

36. *Prothero, D.R., C. Guérin, and E. Manning, 1989. The history of the Rhinoceroidea, in Prothero, D.R. and R.M. Schoch (eds.), *The Evolution of Perissodactyls*. Oxford Univ. Press, New York, pp. 322-340.
37. *Prothero, D.R., and R.M. Schoch, 1989. The origin and evolution of perissodactyls: a summary and synthesis, in Prothero, D.R. and R.M. Schoch (eds.), *The Evolution of Perissodactyls*. Oxford Univ. Press, New York, pp. 504-529.
38. *Prothero, D.R., and R.M. Schoch, 1989. Classification of the Perissodactyla, in Prothero, D.R. and R.M. Schoch (eds.), *The Evolution of Perissodactyls*. Oxford Univ. Press, New York, pp. 530-537.
39. Prothero, D.R., 1989. Review of "Predatory Dinosaurs of the World," by Gregory S. Paul. *Palaios*, 4(4): 495-496.
40. Prothero, D.R., W.A. Berggren, and P.R. Bjork, 1990. Penrose Conference Report: Late Eocene-Oligocene biotic and climatic evolution. *GSA News and Information* 12 (3): 74-75.
41. Gauthier, J., Prothero, D.R., H.-P. Schultze, and R.A. Cloutier, 1990. Vertebrate paleontology. *Geotimes*, 35 (2): 45-46.
42. Prothero, D.R., 1990. Mammals, in F.M. Magill (ed.), *Magill's Survey of Science: Earth Science Series*. Salem Press, Pasadena, Calif., vol. 3: 1453-1458.
43. Prothero, D.R., 1990. Magnetic stratigraphy, in F.M. Magill (ed.), *Magill's Survey of Science: Earth Science Series*. Salem Press, Pasadena, Calif., vol. 3: 1446-1452.
44. *Prothero, D.R., and L.M. Lavin, 1990. Chert petrography and its potential as an analytical tool in archeology, in N. P. Lasca and J. Donahue (eds.), *Archeological Geology of North America*, Geological Society of America Centennial Special Vol. 4: 561-584.
45. *Swisher, C.C., III, and Prothero, D.R., 1990. Single-crystal $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Eocene-Oligocene transition in North America. *Science*, 249: 760-762.
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