

PETER D. WARD - CV

Professional Preparation

<u>Institution</u>	<u>Major</u>	<u>Degree/Year</u>
University of Washington, Seattle	Interdisciplinary Studies (Paleoecology)	B.S., 1971
University of Washington, Seattle	Geology	M.S., 1973
McMaster University, Hamilton, Ontario, Canada	Geology	Ph.D., 1976

Appointments

- 2004 Professor of Biology, Professor of Earth and Space Sciences, University of Washington, Seattle
- 2002 2002 Principal Investigator, NASA Astrobiology Institute, University of Washington, Seattle.
- 2001 Adjunct Professor, Department of Astronomy, University of Washington, Seattle.
- 1992 Chairman, Division of Geology and Paleontology, Thomas Burke Memorial Museum, University of Washington, Seattle.
- 1989 Curator of Invertebrate Paleontology, Thomas Burke Memorial Museum, University of Washington
- 1986 Professor, Department of Geological Sciences, Adjunct Professor, Department of Zoology
- 1985 Associate Professor, University of Washington
- 1984 Professor, Department of Geology University of California, Davis
- 1982 Visiting Scientist, Laboratoire Arago (C.N.R.S.), Banyuls, France
- 1981-1983 Associate Professor, Department of Geology and Division of Environmental Sciences, University of California, Davis
- 1978-1981 Assistant Professor, Department of Geology, University of California, Davis
- 1976-1978 Assistant Professor, Department of Geology, Ohio State University

Professional Service

- Councilor, Paleontological Society 1986-1988
- Co-Editor in Chief, Cretaceous Research (Academic Press) 1984-1988
- Associate Editor, Paleobiology, 1985-1989
- Fellow (elected 1984) California Academy of Sciences
- Member, International Subcommittee on Cretaceous Stratigraphy 1985-1992
- Convener, Working Group 6, Cretaceous-Tertiary Boundary, Global Sedimentology Program, 1990-1992
- Associate Editor, Geology, 1991-1993
- Co-editor, Geological Society of America Special Paper 247, Global Catastrophes in Earth History, 631p., 1990.
- Senior Councilor, Paleontological Society, 1994-1996
- Principal Investigator and Lead, NASA Astrobiology Institute, University of Washington 2001-2006

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Recent Relevant Publications

- MacLeod, K., Smith, R., Koch, P., and Ward, P., 2000, Timing of mammal-like reptile extinction across the Permian-Triassic boundary in South Africa: *Geology*, v. 28, 227-230.
- Ward, P., Montgomery, D., and Smith, R., 2000, Altered River Morphology in South Africa Related to the Permian-Triassic Extinction: *Science*, v. 289, 1740-1743.
- Ward, P., Haggart, J., Carter, E., Wilbur, D., Tipper, H., and Evans, T., 2001, Sudden productivity collapse associated with the Triassic/Jurassic boundary mass extinction: *Science*, v. 292, 115-119..
- Smith, R.M.H., and Ward, P.D., 2002, Pattern of vertebrate extinctions across an event bed at the Permian-Triassic boundary in the Karoo Basin of South Africa: *Geology*, v. 29, 1147-1150
- Retallack, G., Smith, R., and Ward, P., 2003, Vertebrate extinction across the Permian-Triassic boundary in Karoo Basin, South Africa. *GSA Bulletin*, v.115, 1133-1152.
- Ward, P.D., Garrison, G.H., 2004. Isotopic evidence bearing on Late Triassic extinction events, Queen Charlotte Islands, British Columbia, and implications for the duration and cause of the Triassic/Jurassic mass extinction. *Earth and Planetary Science Letters*, 224(3-4), 589-600.
- Ward, P.D., Botha, J., Buick, R., De Kock, M.O., Erwin, D.H., Garrison, G., Kirschvink, J., and Smith, R.M.H., 2005, Abrupt and Gradual Extinction Among Late Permian Land Vertebrates in the Karoo Basin, South Africa: *Science*, v. 307: 709-714
- Huey, R. B., and Ward, P. D. 2005. Hypoxia, Global Warming, and Terrestrial Late Permian Extinctions. *Science*, Vol 308, Issue 5720, 398-401
- Ward, P. 2005. *Life as we do not know it: the NASA search for (and synthesis of) alien life*. Viking Penguin, 289p. November, 2005.

Synergistic Activities

PI of NASA Astrobiology grant, including public outreach. Involvement of undergraduates in research activities.

Collaborators & Other Affiliates

Dr. Tom Daniel, U. of Washington	Dr. K. MacLeod, U. Missouri
Dr. W.J. Kennedy, Oxford University	Dr. J. Burnett, Imperial College
Dr. W.B. Saunders, Bryn Mawr College	Dr. J. Hancock, Imperial College
Dr. C. Marshall, University of California, Los Angeles	Dr. A. Gale, Imperial College
Dr. J. Kirschvink, California Institute of Technology	Dr. David Kring, University of Arizona
Dr. Joseph Kirschvink, California Inst. of Technology	Dr. Greg Retallack, University Oregon
Dr. B. Huber, Smithsonian Institution	Dr. Roger Smith, South Africa Museum
Dr. K. Verosub, University of California, Davis	Dr. Mike Orchard, Geol Surv. Canada
Dr. James Haggart, Canadian Geologic Survey	Dr. Chris McRoberts, SUNY Courtland

Graduate and Postdoctoral Advisors

Post docs: Dr. Kenenth MacLeod, 1996-1997; Dr. Geoffrey Garrison, 2002-2005;
Dr. Thomas Powers, 2004-

Doctoral students: James Haggart, Kenneth MacLeod, David Backus. Lynn Catlin,
Ken Williford

Masters students: Judy Kusnick, Seema Sonnad, Bruce Crowly, Kathryn Hoppe,
Anna Meegan, Frank Vinck, Ken Williford

PI's advisors: V. Standish Mallory (Ms), G.E.G. Westermann Ph.D.