

CURRICULUM VITAE

THEODORE C. MOORE, JR.

June 2015

Birth date: 16 February 1938, North Carolina

Citizenship: U.S.A.

Education: 1956-1960 B.S. in Geology,
University of North Carolina
1963-1968 Ph.D. in Oceanography
Scripps Institution of Oceanography, U.C.S.D.

Employment: 2004 - Emeritus Professor of Marine Geology
The University of Michigan

1989-2004 Professor of Geological Sciences
The University of Michigan

1989-1998 Director, Center for Great Lakes and Aquatic Sciences

1981-1989 Research Associate
Exxon Production Research Co.

1975-1981 Professor, Graduate School of Oceanography
University of Rhode Island

1969-1975 Associate Professor, School of Oceanography
Oregon State University

1968-1969 Research Associate, School of Oceanography
Oregon State University

1963-1968 Research and Teaching Assistant
Scripps Institution of Oceanography

1960-1963 Naval Officer, U.S.S. Eaton DD 510
Engineering Dept., Navigator

Research Interests

History of the oceans and ocean productivity
Seismic stratigraphic interpretation as a tool for understanding depositional processes, structural and basin
fill history, and water level fluctuations;
Large lakes, their sedimentation, stratigraphy
Stratigraphy and evolution of Radiolaria

Professional Societies

American Geophysical Union, Fellow

Ocean Drilling Participation

Member, Scientific party, Deep Sea Drilling Project Leg 8 (1969)
Member, Scientific party, Deep Sea Drilling Project Leg 17 (1971)
Co-Chief Scientist, Deep Sea Drilling Project Leg 74 (1980)
Member, JOIDES Paleoenviron. Panel (1975-1978; ex officio 1978-1981)
Member, JOIDES Information Handling Panel (ex officio 1979-1981)
Member, JOIDES Planning Committee (1978-1981)
Member, Ad Hoc Committee for Planning Ocean Marg. Drill. (1979-1980)
Chair, Working Group on Hydraulic Piston Core (1980-1981)
Member, JOIDES U.S. Science Advisory Committee (1984-1986)
Chair, JOIDES Information Handling Panel (1986-1991)
Member, Scientific party, Ocean Drilling Program Leg 138 (1991)
Member, JOIDES Ocean History Panel (1994 - 1996)
Member, JOIDES Antarctic Drilling Detailed Planning Group (1996 - 1997)
Member, JOIDES Publication Steering Committee (1997 - 1998)
Chair, JOIDES Science Steering and Evaluation Panel for the Dynamics of the Earth's Environment (1997 - 1999)
Chair, IODP Planning Sub Committee (1999-2002)
Co- Chair interim IODP Planning Committee (2002-2003)
Vice Chair IODP Science Planning Committee (2003)
Member, Scientific Party IODP Expedition 302 (ACEX)
Member, Scientific Party IODP Expedition 320 (PEAT I)

Other Services

Guest Editor, Quaternary Research, Vol. 3(1)
Co-Editor, Journal of Marine Micropaleontology, 1979-1989
Panel Member, Geol. and Geophys. Atlantic Offshore Oceanography Program Planning Workshop (Sept. 1977, Newark, Delaware)
Participant, Post-IDOE Planning Workshop (Sept. 1977, Seattle, Wash.)
Participant, Marine Core Laboratory Directors Workshop (May 1977, La Jolla, Cal.)
Participant Geophysics Study Group on Paleoclimatology and Geological Processes, National Academy of Sciences (Sept. 1977, Washington, DC)
Delegate, Reciprocal Soviet-American Conference on Climates of the Pleistocene and Holocene (1976, Moscow; 1978, New York)
Associate Editor, The Carbon Cycle and Atmospheric CO₂: Natural Variations, Archaen to Present. A.G.U. Geophysical Mon. 32.
Member, Editorial Board, Ocean Drilling Project Vol. 114, 1988-90.
Advisory Committee on Ocean Sciences, National Science Foundation, (1991 - 1993)
University Representative, Council on Ocean Affairs (1989 - 1994)
Steering Committee, Council on Ocean Affairs (1991 - 1994)
Advisory Committee on Geosciences, National Science Foundation, (1993 - 1996)
Steering Committee, Marine Earth Systems History (MESH) Program (1992 - 1996)
Committee of Visitors Member for NSF/OCE (1995)
Associate Editor, Paleoceanography (1996 - 2000)
Co-Chair, Decadal Synthesis Committee for NSF, Ocean Sciences (1998- 2001)
WHOI Visiting Committee (1999)

Bibliography of Peer-reviewed Papers

- Hu, Xiumian, E. Garzanti, T. Moore, and I. Raffi, 2015, Direct stratigraphic dating of India-Asia collision onset at the Selandian (middle Paleocene, 59 ± 1 Ma), *Geology*, 43: 859-862
doi:10.1130/G36872.1
- Moore, T.C., Jr., Shin-ichi Kamikuri, A. M. Erhardt, J. Baldauf, H.K. Coxall, and T. Westerhold, 2015, Radiolarian stratigraphy near the Eocene–Oligocene boundary, *Mar Micropaleo.* 116: 50–62, doi.org/10.1016/j.marmicro.2015.02.002.
- Robinson, R. S., T. C. Moore, A. M. Erhardt, and H. D. Scher, 2015, Evidence for changes in subsurface circulation in the late Eocene equatorial Pacific from radiolarian-bound nitrogen isotope values, *Paleoceanography*, 30, 912–922, doi:10.1002/2015PA002777.
- Moore, T. C., Jr., B. S. Wade, T. Westerhold, A. M. Erhardt, H. K. Coxall, J. Baldauf, and M. Wagner 2014, Equatorial Pacific productivity changes near the Eocene-Oligocene boundary, *Paleoceanography*, 29, doi:10.1002/2014PA002656.
- Moore, T.C., 2013, Erosion and Reworking of Pacific Sediments in the Eocene – Oligocene Transition, *Paleoceanography* doi:10.1002/palo.20027
- Kamikuri, Shin-ichi T. C. Moore, M. Lyle, K. Ogane, N. Suzuki, 2013, Early and Middle Eocene radiolarian assemblages in the eastern equatorial Pacific Ocean (IODP Leg 320 Site U1331): faunal changes and implications for paleoceanography, *Mar. Micropaleo.*, 98: 1-13.
- Kamikuri, S., T.C. Moore, K. Ogane, N. Suzuki, H. Pälke, H. Nishi, 2012, Early Eocene to early Miocene radiolarian biostratigraphy for the low latitude Pacific Ocean. *Stratigraphy*, 9(1):77-108.
- Pälke, Heiko, Mitchell W. Lyle, Hiroshi Nishi, Isabella Raffi et multi al., 2012, A Cenozoic record of the equatorial Pacific carbonate compensation depth. *Nature*, 488: 609-615, doi:10.1038/nature11360.
- Moore, Jr., T.C., L. A. Mayer, and M. Lyle, 2012, Sediment Mixing in the Tropical Pacific and Radiolarian Stratigraphy, *Geochem. Geophys. Geosyst.* 13(1): Q08006, doi:10.1029/2012GC004198, 15 pp.
- Slate, J.E., T.C. Johnson, and T.C. Moore, 2012, Impact of pre-Columbian agriculture, climate change, and tectonic activity inferred from a 5700-year paleolimnological record from Lake Nicaragua, *J. Paleolimn.* doi:10.1007/s10933-013-9709-7, 11 pp.
- Moore, T.C., and S. Kamikuri, 2012, Data report: radiolarian stratigraphy across the Eocene/Oligocene boundary in the equatorial Pacific, Sites 1218, U1333, and U1334. In Pälke, H., Lyle, M., Nishi, H., Raffi, I., Gamage, K., Klaus, A., and the Expedition 320/321 Scientists, *Proc. IODP*, 320/321: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.320321.204.2012
- Kamikuri, S., T.C. Moore, T.C., K. Ogane, N. Suzuki, h. Pälke, and H. Nishi, 2012. Data report: early to middle Eocene radiolarian biostratigraphy, IODP Expedition 320 Site U1331, eastern equatorial Pacific. In Pälke, H., Lyle, M., Nishi, H., Raffi, I., Gamage, K., Klaus, A., and the Expedition 320/321 Scientists, *Proc. IODP*, 320/321: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.320321.202.2012
- Westerhold, T., R. Wilkens, H. Pälke, M. Lyle, T. Dunkley-Jones, P. Bown, T. Moore, S. Kamikuri, 2012, Revised composite depth scales and integration of IODP Sites U1331, U1332, U1333, U1334 and ODP Sites 1218, 1219, 1220. (IODP Data Report 320/321 doi:10.2204/iodp.proc.320321.201.2012.

- Kamikuri, Shin-ichi, S. Funakawa, H. Nishi, T.C. Moore, and I. Motoyama, 2012, Radiolarian paleoclimatic implications from middle Eocene to early Miocene in the equatorial Pacific Ocean (ODP Leg 199, Sites 1218 and 1219). *Mar. Micropaleo.* (in press)
- Gleason, J.D., D. J. Thomas, T. C. Moore Jr., J. D. Blum, R. M. Owen, and B. A. Haley, 2009, Early to middle Eocene history of the Arctic Ocean from Nd-Sr isotopes in fossil fish debris, Lomonosov Ridge. *Paleoceanography*, 24, 18 pp., PA2215, doi:10.1029/2008PA001685.
- Moore, T.C., Jr., 2008, Biogenic Silica and Chert in the Pacific Ocean, *Geology*, 36, 975-978.
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- T.C. Moore, Jr., P.D. Rabinowitz, P.E. Borella, N.J. Shackleton, and A. Boersma. 1985. History of the Walvis Ridge, a precis of the results of DSDP Leg 74. *In* Hsu, K.J. and Weissert, H.J. (eds.), *South Atlantic Paleooceanography*. Cambridge University Press, Cambridge. pp. 57-66.
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