

Curriculum Vitae
ELLEN THOMAS

POSITIONS

2005-present: Senior Research Scientist, Department of Geology and Geophysics, Yale University, New Haven CT

2015-present: University Professor, College of Integrated Sciences, Wesleyan University, Middletown, CT

1997-present: Research Professor, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT

2012-2017: Consultant in Paleobiology, American Museum of Natural History, NY.

2013: Leverhulme Visiting Professor, School of Earth Sciences, University of Bristol, UK

2005: Visiting Professor, Dipartimento di Scienze della Terra e Geologico-Ambientali, Universita' di Bologna, Bologna, ITALY

2000-present: Curatorial Affiliate (Foraminifera), Peabody Museum, Yale University, New Haven, CT

1991-2005: Research Affiliate, Center for Study of Global Change, Department of Geology and Geophysics, Yale University, New Haven CT

1994-1995: Faculty Fellow, Associated Kyoto Program, Doshisha University, Kyoto, JAPAN

1992-1997: Research Associate Professor, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT, USA

1990-1992: Senior Lecturer in Marine Micropalaeontology, Department of Earth Sciences and Sub-department of Quaternary Research, University of Cambridge, UK

1990-1992: University Fellow, New Hall College, University of Cambridge, UK

1985-1990: Associate Research Scientist, Department of Earth and Environmental Sciences, Wesleyan University, Middletown, CT, USA

1989-1990: Chief Scientist, Thames Science Center, New London, CT, USA

1984-1989: Adjunct Associate Research Scientist, Lamont-Doherty Geological Observatory of Columbia University, Palisades, NY, USA

1982-1984: Assistant Research Geologist, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA, USA

1979-1982: Faculty Research Associate, Department of Chemistry, Arizona State University, Tempe, AZ, USA

1975-1979: Instructor and Curator of Micropaleontological Collections, University of Utrecht, Netherlands

EDUCATION

Ph.D. 1979: University of Utrecht, Netherlands. Thesis: The development of *Uvigerina* in the Cretan Mio-Pliocene, Utrecht Micropaleontological Bulletins, vol. 23, 168 pp.

M.Sc. 1975: University of Utrecht, cum laude. Stratigraphy-micropaleontology, sedimentology, geochemistry, structural geology

B.Sc. 1971: University of Utrecht, cum laude. Earth Sciences (with biology and chemistry)

PERSONAL DATA

Citizenship: Dutch (USA resident alien); married to J. C. Varekamp, two children

Office address: Department of Geology and Geophysics, Yale University, 210 Whitney Avenue, P. O. Box 208109, New Haven, CT 06520-8109, USA; Telephone office: 1-(203) 432-5928; Fax: 1-(203) 432-3134; e-mail: ellen.thomas@yale.edu; url: <http://people.earth.yale.edu/profile/ellen-thomas/about>. Also at: Department of Earth and Environmental Sciences, Wesleyan University, 265 Church Street, Middletown CT 06459; e-mail: ethomas@wesleyan.edu; Telephone office: 1-860-685-2238; url: <http://ethomas.faculty.wesleyan.edu/>. Home address: 764 Haddam Quarter Road, Durham, CT 06422-1802, USA; Telephone: 1-(860) 349-6937. Mobile: 1-(860)-304-4207.

AWARDS/HONORS:

- 2016: Brady Medal, The Micropalaeontological Society
- 2013: Association for Women Geoscientists Professional Excellence Award
- 2012: Maurice Ewing Medal, American Geophysical Union and Ocean Naval Research
- 2012: Fellow of the American Geophysical Union
- 2011: Fellow of the American Association for the Advancement of Science
- 2008: Zachos, J., Pagani, M., Sloan, L., Thomas, E., and Billups, K., 2001: 'Trends, Rhythms, and Aberrations in Global Climate Change 65 Ma to Present. *Science*, 292: 686-693 among most highly cited papers in Geosciences (Thomson Reuters)
- 2007: Exceptional Reviewer, *Geology*
- 2004-2005: Distinguished Lecturer, Joint Oceanographic Institutions (http://www.usssp-iodp.org/Education/DLS/2004_2005.html)
- 1996: W. Storrs Cole Memorial Research Award, Geological Society of America
- 1995: Editor's Citation for Excellence in Refereeing, *Paleoceanography*

PROFESSIONAL SOCIETIES

American Geophysical Union, Association for Women Geoscientists, Cushman Foundation for Foraminiferal Research, Geological Society of America, Grzybowski Foundation, The Micropalaeontological Society, North American Micropaleontological Society, Paleontological Society, The Oceanography Society

RESEARCH INTERESTS:

Quantitative studies of ecology and evolution of benthic foraminifera (deep-sea, marginally marine environments), as indicators of global, regional and local natural and anthropogenic environmental changes, in combination with sediment/chemical/ isotopic proxies, and climate and earth system modeling; 3D-imaging and printing of microfossils for use in research, taxonomy, education and outreach (<http://www.youtube.com/watch?v=jDFg7P1CB5U>).

TEACHING EXPERIENCE

Wesleyan University, Middletown, CT, USA (1984-2017): *Graduate Liberal Studies Program:* Oceanography; Environmental Science; History of Life; Evolutionary Theory; Global Change; Macroevolution. *Undergraduate courses (1984-2016):* Oceans and Climate; Marine Ecology; Global Change; History of Life on Earth; Earth's

Changing Climate; Macroevolution; Coastal & Estuarine Environments; Life on Planet Earth: Diversity, Evolution and Extinction; Paleobiology and Paleobiology lab; Life in the Oceans in the Anthropocene and Beyond (2015, 2016); Research Frontiers (2015-2017); Tutoring of students in the Wesleyan McNair program (1993); of Hughes fellows (1995, 2000, 2003), Mellon fellows (2001, 2004, 2008, 2010), WesMASS students (2015-2016); Program for Increase in Mastery in Mathematics and Sciences (PIMMS; 1998); Keck Consortium, 2008-2009.

Yale, Department of Geology and Geophysics: G&G 545, Marine Micropaleontology, graduate students, Fall 2011.

Petroleos Brasileiros (PetroBras), Rio de Janeiro, Brasil: Lectures on Paleooceanography and Paleoclimatology; Lectures and Practical, Foraminifera; Nov. 17-22, 2008

University of Bologna, Italy. Paleooceanography; Environmental Science of Coastal Environments (graduate students and post-docs); April 21 – May 2, 2008

University of Florence, Italy. Paleooceanography (graduate students and post-docs); May 2-11, 2007; April 14-18, 2008

Summer School of Paleoclimatology, Urbino, Italy: Deep-sea benthic foraminifera (<http://ethomas.web.wesleyan.edu/BFhandout.htm>); graduate students and postdoctoral scholars, 2005, 2013.

Associated Kyoto Program, Doshisha University, Kyoto (Japan): undergraduate course "History of Japan: the last 350 million years", with J. C. Varekamp (1995)

Open University, Heerlen, Netherlands: author of two units, 1. The Deep-Sea Record of Global Climate Change, 1993; 2. Catastrophes in Earth History; 1993. Author of chapters in volumes on Geology and Plate Tectonics, 1991.

Cambridge University, Cambridge, UK: 1990-1992. Natural Sciences Tripos, part II: lectures and practicals in Marine Micropalaeontology and Palaeoceanography; Natural Sciences Tripos, part IB: lectures and practicals in Palaeoceanography; Natural Sciences Tripos, part IA: practicals in Earth Sciences (Palaeontology), excursion to Dorset (UK).

New Hall College, Cambridge, UK: tutoring of students in the Earth Sciences, Natural Sciences Tripos parts IA and IB; 1990-1992

Thames Science Center, New London, USA: Summer Institute for Teachers: oceanography and environmental sciences; development of environmental science activities and multimedia-computer software for teachers and students, K-12

University of Utrecht, Netherlands: undergraduate field camp (structural geology, stratigraphy), historical geology with paleontology lab (undergraduate), benthic foraminifera (graduate), statistical methods in micropaleontology (graduate); 1975-1979

EDITORIAL EXPERIENCE

- Editor-in-Chief, *Paleoceanography*, 2015-2019
- Editor, *Geology*; 2012-2015
- Member review panel of 'Understanding Earth's Deep Past: Lessons for Our Climate Future', The National Academies, 194 pages, 2010-2011.
- Contributor Science Plan 2013-2023, International Ocean Discovery Program: *Exploring the Earth under the Sea*, 84 pages, 2010-2011.
- Editor, *Marine Micropaleontology*; 2003-2010

- Member *Micropaleontology Press* Board of Advisors, 1999 - 2012
- Editorial Board *Palaeogeography, Palaeoclimatology, Palaeoecology*, 1998 -2015
- Scientific Advisory Committee, *Encyclopedia of Ocean Sciences*, 1999 - 2009
- Editorial Board *Marine Micropaleontology*; 1991- 2003; 2010-present
- Editorial Board *Geology*, 2000-2002
- Associate Editor, *Paleoceanography*; 1996 - 2002
- Co- Editor: Wing, S., Gingerich, P., Schmitz, B., and Thomas, E., *Causes and Consequences of Globally Warm Climates of the Paleogene*, GSA Special Paper 369. 2001-2003
- Editorial board, Ocean Drilling Program Proceedings, volume 120
- Science editor, volumes 85 and 94, Initial Reports of the Deep Sea Drilling Project

PROFESSIONAL COMMITTEES/PANELS

- IODP ECORD Facility Board, member, 2017-2019
- NSF Panel Marine Geology & Geophysics, 2016
- Member at Large (Paleosciences), GSA Research Grants Committee, 2015-2018.
- Maurice Ewing Medal Selection Committee, AGU, 2015-2016
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Ferrara (Italy), 2014
- Committee for Evaluation of Research in Earth Sciences, Norway, March-July 2011
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Salzburg (Austria), 2011
- Integrated Ocean Drilling Program (IODP), Paleontology Coordination Group, 2010-2013
- Integrated Ocean Drilling Program (IODP), Science and Technology Panel (STP), 2008-2011
- Scientific Committee FORAMS 2010, 2008-2010 (September 2010, Bonn, Germany)
- Voting Member, International Sub-commission on Paleogene Stratigraphy, 2004-present
- Cushman Foundation Board of Directors, 2001-2013; Vice President, 2003-2004; President 2004-2005
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Wellington, New Zealand, January 2009.
- US representative, IGCP 476 "Monsoon evolution and tectonics-climate linkage in East Asia and its marginal seas during the late Cenozoic", 2004-2007
- Biogeology Centre Funding Panel, NWO Council for Earth and Life Sciences (Netherlands), 2004-2008
- Scientific Committee for the Meeting on Climate and Biota of the Early Paleogene (CBEP), Bilbao, Spain, June 2006 (2004-2006)
- Scientific Advisory Committee FORAMS 2006, 2004-2006 (September 10-15, 2006, Natal, Brazil)
- US Science Advisory Committee (USSAC) of the Ocean Drilling Program (ODP) and IODP, 2001-2004

- Scientific Committee, NSF, evaluate 'ANDRILL: Investigating Antarctica's Role in Cenozoic Environmental Change', 2003.
- Educational Steering Committee of USSAC 2002-2003
- Panel 'Spinoza Award' (annual budget ~ €4.5-6.0M), Netherlands, 2000-2003
- Scientific Review Committee for the Centres of Research Excellence Fund (CoRE), Royal Society of New Zealand (Marine Sciences), 2001-2002
- Science Advisory Committee, Connecticut Audubon Center at Milford Point, 1997 - 2003
- Ocean Drilling Program, Science Steering and Evaluation Panel on the Dynamics of the Earth's Environment (ESSEP), 1997 - 1999
- Ocean Drilling Program, Liaison ESSEP to 'Extreme Climates' Program Planning Group, 1998-1999
- Scientific Advisory Committee for Marine aspects of Earth System History (NSF), 1993 - 2001
- Ocean Drilling Program, Scientific Measurements Panel, Ad Hoc Committee on JANUS database (Benthic Foraminifera), 1997 - 2003
- Ocean Drilling Program, Computer User Group Paleontology, 1995-1997
- Chair of session 'Biotic Response to Major Climate Change', 6th International Paleoceanography Meeting (August 1998, Lisbon, Portugal)
- Ocean Drilling Program Shipboard Measurements Panel, 1989 - 1995
- Ocean Drilling Program Information Handling Panel, 1993 - 1995
- Ocean Drilling Program IHP and SMP Paleontologic Working Group, 1993-1995
- UK Science Committee for Ocean Drilling, 1990 - 1992

GRANTS:

- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Refining foraminiferal I/Ca as a paleoceanographic proxy for the glacial Atlantic Ocean. With Z. Lu (Syracuse University), A. Ridgwell (University of California, Riverside), total \$423,739.-; Wesleyan \$59,263.-; August 15, 2017-2020.
- International Continental Scientific Drilling Program, Pearson, P. A. and 33 others; E. Thomas, US lead-scientist, Tanzanian Onshore Paleogene Integrated Coring (TOPIC), \$1,023,485.-.
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Evaluating Deep-Sea Ventilation and the Global Carbon Cycle during early Paleogene Hyperthermals. With A. Winguth, C. Winguth, E. Griffith (University Texas Arlington), P. Hull (Yale), total \$619,132.-; Wesleyan \$105,044.-; August 15, 2015-2018.
- General Research Fund, Hongkong, China, with M. Yasuhara (Hongkong), G. Hunt (Smithsonian Institution Paleobiology, USA), and S. Schellenberg (UCSD, USA), Environmental Change, Ecosystems and Evolution in the Deep Ocean: a coupled approach using Foraminifera and Ostracodes, 2015-2018, US \$80,000.-
- Paleontological Society, with P. Hull and A. Motto (Yale University and Peabody Museum), Outreach and Educational Grant, Foraminifera and Changing Cenozoic Climate; \$2500.-, 2014-2015

- International Continental Scientific Drilling Program, Pearson, P. A., Wellington, H., Nicholas, C. J., Thomas, E., and Wade, B., Workshop on Tanzanian Onshore Paleogene Integrated Coring (TOPIC), September 2014, Dar Es Salaam, Tanzania, \$60,000.-
- Leverhulme Foundation, UK: D. Schmidt, A. Ridgewell, R. Pancost and E. Thomas: Visiting Professorship University Bristol, UK, Jan.-June 2013, \$61,905.-
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Iodine in Foraminifera, a proxy for ocean deoxygenation during the Paleocene-Eocene Thermal Maximum. With Z. Lu, Syracuse University. \$390,850.-; Yale \$150,929.; 1 Sept. 2012 - 31 August 2016.
- NSF, Division of Biological Infrastructure (Collections in Support of Biological Research): Natural History Collections: Addressing a critical need to conserve and digitize the Microfossil Collection (Invertebrate Paleontology) at the American Museum of Natural History, NY. Landman, N., O'Leary, R., and Thomas, E., \$187,110.-; 1 June 2012- 31 May 2016.
- Long Island Sound Futures Fund: Raising awareness of rising sea-levels in coastal marshes. \$35,000.-; 2011-2012; M.-B. Decker (FES), P. Raymond (FES), J. Alonzo (Peabody Museum), A. Felson (FES), M. Smith (EEB), E. Thomas (G&G).
- Yale Climate and Energy Institute: Global Warming Impacts on Connecticut Salt Marsh Ecosystems; M. Smith, P. Raymond, K. Seto, A. Felson and E. Thomas. 2010-2012, \$99,723.-.
- NSF, Marine Geology & Geophysics: COLLABORATIVE RESEARCH: Reconstructing deep sea acidification during the Paleocene-Eocene Thermal Maximum. With J. C. Zachos (University of California, Santa Cruz) , R. Zeebe (University of Hawaii), and B. Hoenisch (Lamont-Doherty Earth Observatory. \$650,000.-; Thomas subcontract: \$173,888.-; 2009-2011.
- Yale Institute for Biospheric Studies: P. Raymond, M. B. Decker, G. Benoit, P. Turner, E. Thomas: The Center for Long Island Sound Studies. \$81,400.-, 2009-2011
- Keck Geology Consortium, 2008 Research Program 'Block Island: a microcosm for the study of anthropogenic and natural environmental change', June-July 2008, \$36,300.- (with J. C. Varekamp, Wesleyan University)
- NSF, Marine Geology & Geophysics: The Cretaceous/Tertiary Boundary: deep-sea benthic foraminifera and the oceanic carbon cycle; August 1 2007- 30 June 2011, \$250,001.-; OCE -0720049
- Royal Society of New Zealand Marsden Fund: Causes of Evolution and Global Extinction in the Deep Sea, B. A. Hayward, PI, \$630,000.-; Dec. 2006 - Dec. 2009
- USSAC/NSF: Participation in ODP Leg 208, cruise salary and post-cruise funding, \$50,109.-, 2003-2006
- NSF: COLLABORATIVE RESEARCH: Consequences of Greenhouse Warming for Biocomplexity and Biogeochemical Cycles: a multidisciplinary case study across the Paleocene/Eocene boundary, PIs J. Zachos, G. Dickens, P. Koch, E. Thomas, P. Delaney, L. Sloan, T. Bralower, J. Meng, S. Wing, L. Kump, \$2,500,000.-; Wesleyan subcontract \$216,710.-; 2001-2007; EAR 0120727.

- NSF: Research Coordination Network: The North Atlantic Project: Historical Ecology of the Trans-Atlantic Basin; PI: C. Cunningham, Duke University, Department of Biology; \$499,803.-; 2002-2007. Member of the Steering Group.
- Wesleyan University, Innovation in Teaching, with A. C. Burke, \$7400.- (2001-2002), for development of interdisciplinary course E&E111/BIOL111.
- Connecticut Department of Environmental Protection: 'Environmental Change in Long Island Sound in the Recent Past: Eutrophication and Climate Change': \$123,605.- (2001-2004); with J. C. Varekamp
- Long Island Sound Study (EPA-Sea Grant): Environmental Change in Long Island Sound over the last 400 years: \$75,909.- (2000-2003); with J. C. Varekamp
- Connecticut Sea Grant: The Long Island Sound Paleo-Environment Program: Connecting Past and Present (2000-2003): \$58,000.-; with J. C. Varekamp
- USGS, Woods Hole: Foraminifera in Long Island Sound, 1999, \$2500.-
- Environmental Change in and around Long Island Sound: Natural and Anthropogenic Factors, Connecticut Sea Grant (1998-2000): \$47,570.-; with J. C. Varekamp
- Connecticut Sea Grant (1997-1999): How salt marshes grow: \$57,000.-; with J. C. Varekamp
- Subcontract NSF Grant University California Santa Cruz (1994-1996): Late Paleocene Thermal Maximum, ODP Site 865: \$36,470.-
- NOAA Global Change Program, Sea level rise in Connecticut (1994-1996): \$99,972; with J. C. Varekamp
- Connecticut Sea Grant (1994-1996): \$56,000.-; with J. C. Varekamp
- NOAA Global Change Program (1992-1994): \$109,620; with J. C. Varekamp
- NSF-USSAC Grant (ODP Leg 113; 1987-1988): \$36,724
- Connecticut Sea Grant, coastal salt marsh studies (1992-1994): \$38,000; with J. C. Varekamp
- Connecticut Sea Grant, coastal salt marsh studies (1990-1991): \$19,000; with J. C. Varekamp

DRILLING PROPOSALS, co-proponent:

Active proposals:

- IODP Full Proposal 862 (submitted 2014): Westerhold, T., Bohaty, S., Thomas, E., Scher, H., Spiess, V., Wilson, P., Moore, T., Barbeau, D., Roehl, U., Agnini, C., Florindo, F., Robinson, S., Whiteside, J., and Wise, S., Maurice Ewing Bank – Georgia basin depth transect: a Southern Ocean perspective on Paleogene climate evolution.
- IODP Full Proposal 868 (submitted 2014): Hernandez-Molina, J., Larter, R. D., Thomas, E., Eagles, G., Bohyo, F., Lodolo, E., Chuang, X., Dalziel, I. W. D., Stow, D. A. V., Escutia, C., Biddle, J., Sijp, W., Harwood, D., and Tassone, A., Drake-Scotia Seaways: global significance.

Proposals accepted to be drilled:

- IODP Expedition 371, drilling ongoing, August-September 2017; IODP proposal 832: Sutherland, R., Dickens, G., Gurnis, M., Huber, M., Collot, J., Bache, F., Rouillard,

P. Hollis, C., Opdyke, B., Nishi, H., Thomas, E., Seton, M., and Roest, W., Subduction initiation and Paleogene climate (SIPC) in the Tasman Frontier, southwest Pacific.

Proposals drilled:

- ODP Leg 208 (Walvis Ridge)
- IODP Expedition 342 (Paleogene Newfoundland Sediment Drifts).
- IODP Expedition 362 (Sumatra Subduction Zone)

STATISTICS:

Google scholar h-factor 57; publications with >10 citations: 130; refereed publications 147 (including 4 in *Science*, 2 in *Nature*, 1 in *Nature Geoscience*, 1 in *Nature Communications*, and 3 in *Proc. Nat. Acad. Sci.*); other publications 42; abstracts 384; citations >17,000.

PUBLICATIONS (Refereed Journals):

1. Thomas, E., 1977. Biometric study of *Planorbulinella* from the Gulf of Aqaba (Elat). *Utrecht Micropaleontological Bulletin*, 15: 171-204
2. Thomas, E., 1979. Evolution in *Uvigerina*. *Annales de Géologie des Pays Helléniques*, Hors Séries, 2: 1281-1285
3. Thomas, E., 1980. The development of *Uvigerina* in the Cretan Mio-Pliocene. *Utrecht Micropaleontological Bulletin*, 23 (168 pp.); <http://dspace.library.uu.nl/handle/1874/205850>
4. Van der Zwaan, G. J., and Thomas, E., 1980. Late Miocene environmental evolution of the Mediterranean area: stable isotopes of planktonic and benthic foraminifera from Crete. *Koninklijke Nederlandse Akademie van Wetenschappen, Proceedings*, B83: 327-343
5. Thomas, E., Varekamp, J. C., and Buseck, P. R., 1982. Zinc enrichment in phreatic ashes of Mt. St. Helens. *Journal of Volcanology and Geothermal Research*, 12: 339-350; doi: 10.1016/0377-0273(82)90033-6
6. Varekamp, J. C., and Thomas, E., 1982. Chalcophile elements in Cretaceous/ Tertiary boundary sediment: terrestrial or extraterrestrial? *Geological Society of America, Special Paper*, 190: 461-467; doi: 10.1130/SPE190-p461
7. Thomas, E., and Buseck, P. R., 1983. Characterization of the aerosol at a rural location in eastern Arizona. *Atmospheric Environment*, 17: 2299-2301; doi:10.1016/0004-6981(83)90228-7
8. Thomas, E., 1985. Late Eocene to Recent deep-sea benthic foraminifers from the central equatorial Pacific Ocean. *Initial Reports Deep Sea Drilling Project*, 85: 655-679; http://www.deepseadrilling.org/85/volume/dsdp85_17.pdf
9. Miller, K. G., and Thomas, E., 1985. Late Eocene to Oligocene benthic foraminiferal isotopic record, Site 574, equatorial Pacific. *Initial Reports Deep Sea Drilling Project*, 85: 771-777; http://www.deepseadrilling.org/85/volume/dsdp85_23.pdf
10. Barron, J. A., Nigrini, K. A., Pujos, A., Saito, T., Theyer, F., Thomas, E., and Weinreich, N., 1985. Synthesis of central equatorial Pacific DSDP Leg 85 biostratigraphy: refinement of Oligocene to Recent biostratigraphy. *Initial Reports Deep Sea Drilling Project*, 85: 905-934; http://www.deepseadrilling.org/85/volume/dsdp85_30.pdf

11. Theyer, F., Mayer, L. A., Barron, J. A., and Thomas, E., 1985. The equatorial Pacific high-productivity belt: elements for a synthesis of DSDP Leg 85 results. *Initial Reports Deep Sea Drilling Project*, 85: 971-985;
http://deepseadrilling.org/85/volume/dsdp85_33.pdf
12. Thomas, E., 1986. Changes in composition of Neogene benthic foraminiferal faunas in equatorial Pacific and north Atlantic. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 53: 47-61; doi: 10.1016/0031-0182(86)90038-6
13. Thomas, E., 1986. Early to middle Miocene benthic foraminiferal faunas from DSDP Sites 608 and 610, North Atlantic. *Geological Society London Special Publication*, 21: 205-218; doi:10.1144/GSL.SP.1986.021.01.15
14. Varekamp, J. C., Thomas, E., Germani, M. S., and Buseck, P. R., 1986. Particle geochemistry of volcanic plumes of Etna and Mount St. Helens. *Journal of Geophysical Research*, 91: 12,233-12,248; doi: 10.1029/JB091iB12p12233
15. Thomas, E., 1987. Late Oligocene to Recent benthic foraminifers from DSDP Sites 608 and 610, northeastern Atlantic Ocean. *Initial Reports Deep Sea Drilling Project*, 94: 997-1032; http://www.deepseadrilling.org/94/volume/dsdp94pt2_33.pdf
16. Miller, K. G., Fairbanks, R. G., and Thomas, E., 1987. Benthic foraminiferal carbon isotopic records and the development of abyssal circulation in the eastern North Atlantic. *Initial Reports Deep Sea Drilling Project*, 94: 981-996;
http://deepseadrilling.org/94/volume/dsdp94pt2_32.pdf
17. Baldauf, J. G., Thomas, E., Clement, B., Takayama, T., Weaver, P. P. E., Backman, J., Jenkins, D. G., Mudie, P. J., and Westberg-Smith, J., 1987. Deep Sea Drilling Project Leg 94 magnetostratigraphic and biostratigraphic synthesis. *Initial Reports Deep Sea Drilling Project*, 94: 1159-1206;
http://www.deepseadrilling.org/94/volume/dsdp94pt2_46.pdf
18. Ruddiman, W. F., Backman, J., Baldauf, J., Hooper, P., Keigwin, L. D., Miller, K. G., Raymo, M., and Thomas, E., 1987. Leg 94 Paleoenvironmental synthesis. *Initial Reports Deep Sea Drilling Project*, 94: 1207-1216;
http://www.deepseadrilling.org/94/volume/dsdp94pt2_47.pdf
19. Palais, J., Kyle, P. R., Mosley-Thomson, E., and Thomas, E., 1987. Correlation of a 3200 year old tephra in ice cores from Vostok and South Pole Stations, Antarctica. *Geophysical Research Letters*, 14: 804-807; doi:10.1029/GL014i008p00804
20. Thomas, E., and Vincent, E., 1987. Major changes in benthic foraminifera in the equatorial Pacific before the middle Miocene polar cooling, *Geology*, 15: 1035-1039; doi: 10.1130/0091-7613(1987)15<1035:EPDBFF>2.0.CO;2
21. Thomas, E., and Vincent, E., 1988. Early to middle Miocene deep-sea benthic foraminifera in the equatorial Pacific. *Révue de Paléobiologie, Special Volume, 2* (BENTHOS '86): 583-588
22. Thomas, E., 1989. Development of Cenozoic deep-sea benthic foraminiferal faunas in Antarctic waters. *Geological Society London Special Publication*, 47: 283-296; doi:10.1144/GSL.SP.1989.047.01.21
23. Thomas, E., 1990. Late Cretaceous through Neogene deep-sea benthic foraminifers (Maud Rise, Weddell Sea, Antarctica). *Proceedings ODP, Scientific Results*, 113: 571-594; http://www-odp.tamu.edu/publications/113_SR/VOLUME/CHAPTERS/sr113_35.pdf

24. Thomas, E., Barrera, E., Hamilton, N., Huber, B. T., Kennett, J. P., O'Connell, S. B., Pospichal, J. J., Spieß, V., Stott, L. D., Wei, W., and Wise, S. W. Jr., 1990. Upper Cretaceous-Paleogene stratigraphy of Sites 689 and 690, Maud Rise (Antarctica). *Proceedings ODP, Scientific Results*, 113: 901-914; http://www-odp.tamu.edu/publications/113_SR/VOLUME/CHAPTERS/sr113_51.pdf
25. Thomas, E., 1990. Late Cretaceous-early Eocene mass extinctions in the deep sea. *Geological Society of America Special Publication*, 247, 481- 495; doi: 10.1130/SPE247-p481
26. Thomas, E., and Varekamp, J. C., 1991. Paleo-environmental analyses of marsh sequences (Clinton, CT): evidence for punctuated rise in relative sea-level during the latest Holocene. *Journal of Coastal Research, Special Issue*, 11: 125-158; <http://www.jstor.org/stable/25735577>
27. Thomas, E., 1992. Middle Eocene - late Oligocene bathyal benthic foraminifera (Weddell Sea): faunal changes and implications for ocean circulation. In: Prothero, D. R., and Berggren, W. A., eds., *Late Eocene-Oligocene climatic and biotic evolution*, Princeton University Press, 245-271; <http://www.jstor.org/stable/j.ctt7zvp65.17>
28. Varekamp, J. C., Thomas, E., and Van de Plassche, O., 1992. Relative sea-level rise and climate change over the last 1500 years (Clinton, CT, USA). *Terra Nova*, 4: 293-304; doi:1111/j.1365-3121.1992.tb00818.x
29. Thomas, E., 1992. Cenozoic deep-sea circulation: evidence from deep-sea benthic foraminifera. *AGU Antarctic Research Series*, 56: 141-165. doi: 10.1029/AR056p0141
30. Eldholm, E., and Thomas, E., 1993. Environmental impact of volcanic margin formation. *Earth and Planetary Science Letters*, 117: 319-329. doi:10.1016/0012-821X(93)90087-P
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3. Laia Alegret, Zaragoza (Spain)-PhD
4. Silvia Ortiz, Zaragoza (Spain)-PhD
5. Naira Manoukian, Wesleyan University-MSc
6. Bill Thompson, Wesleyan University-MSc

7. Festo Lugolobi, Wesleyan University-MSc
8. Heather McCarren, UC Santa Cruz -PhD
9. David Naafs, Utrecht (Netherlands)-MSc
10. Lucy Stap, Utrecht (Netherlands)-PhD
11. Raquel Fenero, Zaragoza (Spain)-PhD
12. Rachel Brown, UC Santa Cruz-PhD
13. Peter Stassen, Leuven (Belgium)-PhD
14. Jonathan Ody, Bristol (UK)-MSc
15. Flavia Boscolo-Galazzo (Padova, Italy)-PhD
16. Yi Ge Zhang, Yale (USA)-PhD
17. Liesbeth van Kerckhoven, Auckland (New Zealand)-PhD
18. Renata Maura de Mello (University of Massachusetts, Amherst)- PhD
19. Xiaoli Zhou (Syracuse University)- PhD
20. Simon d'Haenens, Leuven (Belgium)-PhD
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1. Courtney Warren, PhD, Yale
2. James Super, PhD, Yale
3. Janet Burke, PhD, Yale
4. David Saunders, MSc, UK
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Undergraduate research and student theses (Wesleyan University):

1. Koren Nydick (H)
2. Heather Saffert (H)
3. Alison Bidwell (H)
4. Irina Abramovich
5. Sarah Bowman
6. Polina Rabinovich (T)
7. Bess Thaler
8. Zirah Acosta
9. Maia Groner (H)
10. Conor Veeneman (T)
11. Emma Kravet (H)
12. Sarah Gillig
13. Annie de Boer
14. Audrey Haynes
15. Sandy Yudhistira
16. Alexis Malouta
17. Sarah Lerman-Sinkoff (H)
18. Jared Lefkowitz (H)
19. Rebecca Hanschell
20. Angela Chung
21. Jackie Buskop

22. Andrew Levy (Denison University)
23. Jack Shaw (Lafayette College)
24. Sajirat Palakarn
25. Melissa McKee

(H): honors thesis; (T): thesis, not honors