

UCSD ACADEMIC BIOGRAPHY

12/04

Section I**Personal Data**Name: Last, First, Middle NORRIS, Richard D.Department SIO/GRD Title(s) Professor/Research

Home Address

Street 13025 Via del Toro Phone: 858 592-7753City, State, Zip Poway, CA 92064-1927

Business Address

Street 9500 Gilman Dr. Phone: 858 822-1868 (ofc)
858 822-2783 (lab)City, State, Zip La Jolla, CA 92093 Mail Code 0244E-mail address: rnorris@ucsd.edu**Previous Applicable Employment**

Please show a full account of your time from the date of your first academic (or otherwise relevant) employment up to the present, including any periods when you may not have been employed. Indicate part-time appointments. Show salary or approximate annual earnings in all cases. Please include all previous University of California employment. You may provide supplementary information if necessary.

Period of employment From: To:	Institution, firm or organization of employment	Location	Rank, title, or position	Approximate annual salary
6/90-6/91	Woods Hole Oceanographic Inst.	Woods Hole, MA	Postdoc Scholar	
6/91-12/92			Postdoc Investigator	
12/92-5/96			Asst. Scientist	
5/96-6/30/02			Assoc. Scientist	
7/1/02	SIO/UCSD	La Jolla, CA	Professor/Research	

Education

School, college, university, or hospital (internship, residency, or fellowship)	Dates of attendance	Location	Major subject or field	Degrees or certificates	Date received
University of California	1978-1981	Santa Cruz, CA	Earth Sciences	B.S.	1981
University of Arizona	1982-1985	Tucson, AZ	Geosciences	M.S.	1986
Harvard University	1986-1990	Cambridge, MA	Earth & Planetary Sciences	Ph.D.	1990

Please indicate areas of sub-specialization or board certification, if any. Also include a list of special licenses or permits and the dates received.

PRIVACY NOTICE

The State of California Information Practices Act of 1977 (effective July 1, 1978) requires the University to provide the following information to individuals who are asked to supply information about themselves. The principal reason for requesting this information is for the purposes of academic personnel administration and University public relations. The Academic Vice Chancellors are responsible for maintaining this information, which is authorized by University policy. For academic personnel administrative purposes, furnishing all information requested is mandatory and failure to provide it may result in denial of the action for which this information is being provided. Individuals have the right to review their own academic records in accordance with UCSD Policy and Procedure Manual 230-11. Inquiries related to this policy may be directed to the Academic Personnel Office at (858) 534-0068. Information on education, honors, awards, and/or publications have been declared releasable by the courts and, therefore, will be released to the public, upon request.

NONDISCRIMINATION AND AFFIRMATIVE ACTION POLICY STATEMENT

The University of California prohibits discrimination against or harassment of any person employed by or seeking employment with the University on the basis of race, color, national origin, religion, sex, physical or mental disability, medical condition (cancer-related or genetic characteristics), ancestry, marital status, age, sexual orientation, citizenship, or status as a covered veteran (special disabled veteran, Vietnam era veteran, or any other veteran who served on active duty during a war or in a campaign or expedition for which a campaign badge has been authorized).

The University of California is an affirmative action/equal opportunity employer. The University undertakes affirmative action to assure equal employment opportunity for minorities and women, for persons with disabilities, and for special disabled veterans, Vietnam era veterans, and any other veterans who served on active duty during a war or in a campaign or expedition for which a campaign badge has been authorized.

University policy is intended to be consistent with the provisions of applicable State and Federal laws. Inquiries regarding the University's equal employment opportunity policies may be directed to: Jon Welch, Director, Academic Affirmative Action, (858) 534-3623.

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Section II

Professional Data

Provide a list of your activities, with dates of award or service, in each of the following seven categories.

(a) University Service (Including Academic Senate, Departmental, College, University-wide).

SIO Collections Committee, 2003-present
 Academic Curator of the SIO Geological Collections, 2003-Present
 SIO Educational Strategies Committee, 2004
 Undergraduate Earth Steering committee, 2003-present
 Geosciences Admissions Co-Chair and open house coordinator, 2003-07
 Associate Director Geological Research Division, 2006-Present
 SIO Director's Science Advisory Panel, 2007
 Ecological Scoping Group, 2007
 PI and Director of the Marine Biodiversity and Conservation IGERT program, 2007-2009
 ad hoc review files (chair of two for SIO and UCSD-NRS)
 Academic search committees: Petrology, Climate, Revelle Chair (twice)
 Marine Conservation Biology, Marine Ecology)
 Two talks given at Aquarium and numerous collections-related fund raising events; organized Geological Collections displays for four University open house events
 PI and Director of the Global Change, Marine Ecosystems and Society IGERT program (2009-Present)
 Director and Academic Chair of Masters of Advanced Study program in Marine Biodiversity and Conservation (2007-Present)
 Sustainability Solutions Institute Executive Committee (2008-2009)
 Review of IGERT Pre-proposals for Vice Chancellor for Research (2010)
 SIO-CAP (2008-2011)
 Reporting supervisor for Penny Dockry (Center for Marine Biodiversity and Conservation Administration, 2007-Present); Russell Chapman (Executive Director, Center for Marine Biodiversity and Conservation, 2007-2010), Alexandra Hangsterfer (SIO Geological Collections manager, 2009-2010), Warren Smith (SIO Geological Collections manager, 2003-2009).
 SIO Director's Science Advisory Panel, (2010-11)
 Vice Chancellor for Research Committee on Sustainability 2.0 (2010-11)
 Research Cyber-Infrastructure project (with UC Libraries) 2011-2013
 SIO Geological Sciences Admissions Chair (2013-Present)
 Public Lecture "California Water and why it (and our society) is threatened", Faculty Club (April 2012)
 UCSD Strategic Planning: Educational Initiative Task Force Committee (2012-13)
 SIO Strategic Planning: "Education Director's Advisory Panel" (2013)
 Proposal development for a Marine Biodiversity and Conservation ORU (2012-13)
 Executive Committee member for "The Norris Center" UCSC; (January 2014-Present)
 Retreat leader: Future of UCSD Interdisciplinary Ph.D. programs (Julian, April 2013)
 Retreat presenter: Scripps institution of Oceanography, Lake Arrowhead, (October 2014)
 UCSD Foundation presentation; "The Center for Marine Biodiversity and Conservation" (December 2014)
 Search Committee: Faculty director of the UCSD Teaching and Learning Center (Fall, 2014)
 Academic Director: Sciences Support Office, International Ocean Discovery Program (Sep 2013-Present)

(b) Memberships (Scholarly societies, professional boards, civic organizations, etc.).

American Geophysical Union
 International Biogeography Society

(c) Honors and Awards (Include the dates they were received).

SIO Undergraduate Teaching Award (2008)

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- (e) **External Professional Activities** (Examples include, but are not limited to, presentation of papers and lectures, technical service to organizations and agencies, acting as a reviewer of journal or book manuscripts or contract and grant proposals, or professional committee service).

Member, JOIDES ESSEP Panel; ODP: 2000-2002 and 2004-2006
 Scientific Organizing Committee: "Climate and Biota of the Early Paleogene" held July 3-8, 2001 in Powell, Wyoming
 Editorial Board, *Geology*: 1995-1997; 2002-2004
 Member, IUGS Project 308: Paleocene/Eocene Events, 1994-2002
 Reviewer for proposals : NSF MC&G, NSF-Geology and Paleontology, NSF-International programs, NSF-Collaborative Programs, NASA, American Chemical Society and NERC (both Canadian and UK), NSF-MIR.
 Review manuscripts for *G-3, Paleoceanography, Paleobiology, IODP, Marine Micropaleontology, EPSL, Nature, Science*, and *GSA Special Publications* among others
 Editorial Board, *Geobiology* 2003-Present
 Lead Proponent, Newfoundland Cretaceous and Paleogene Sediment Drifts, (ODP Proposal 661-Full 2), 2004-Present (*Became Expedition 342, June-August 2012*)
 Lead Proponent, Campbell Plateau depth transect, (ODP Proposal 682), 2005-Present
 Proponent, Drilling of the Louisville Seamount trail, (ODP Proposal 636-Full2; Became Expedition 330)
 Proponent, Drilling of the Chicxulub Impact Structure, (ODP Proposal 548-Full3 *Currently scheduled for drilling in 2015*)
 Chair, NRC "Deep Time" Panel ("The importance of Deep-time geological records for understanding climate change impacts")
 Executive Committee, Deep Time Earth-Life Observation Network (2010-Present)
 Co-chair Surface Biosphere at the INVEST Meeting (Future of Ocean Drilling, Bremen, Germany, 2009)
 Awards committee Paleontological Society Medal (2008 and 2009)
 Editorial Committee (for the "Surface Biosphere" section): International Ocean Discovery Program Science Plan (2010-2011)
 NSF Panels [MG&G (November 2012); IGERT pre-proposals (June 2010), IGERT full proposals (December 2010)]
 Co-Chief Scientist: IODP Expedition 342 Paleogene Newfoundland Sediment Drifts (June-August 2013)
 Units States Science Advisory Committee (USAC): Sept 2012-June 2013 (Term cut short by conflict of interest arising from SIO award of the IODP Science Support Office contract
 Public Lecture "California Water and why it (and our society) is threatened", SD Natural History Museum (Nov 2012)
 Visiting Faculty, Tohoku University Museum, Sendai Japan (April-June, 2014)
 Co-Leader: Oligocene-Miocene North Atlantic Climate Drilling (Magellan and USSSP workshop: Heidelberg Germany, Sept 2014)
 UC Berkeley Climate Change Website Development (to create a web site for educators and the public with the "National Center for Science Education"), 2013-Present

Workshops Attended

Cretaceous Warm Climates; Florissant, CO 2002.
 NSF-ESH Workshop on Rapid Climate Change (Washington, DC, July, 2002).
 International Paleoceanography Conference (France, 2004)
 Scientific results meeting, IODP Leg 207 (France, 2004)
 COE-Neoscience in Natural History (U. Hokkaido, Japan; September 2005; Invited speaker)
 COE-Neoscience in Natural History (U. Hokkaido, Japan; September 2006, Invited speaker)
 COE-Neoscience in Natural History (U. Hokkaido, Japan; October 2007, Invited speaker))
 Marine Geological Curators (NSF, Washington DC, September, 2003)
 Marine Geological Curators (Estes Park, Colorado, September 2007)
 IGERT Workshop (Washington, D.C., NSF; May 2007)
 International Biogeography Conference (Canary Islands, 2008)
 IGERT Workshop (Washington, D.C., NSF; May 2008)

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IGERT Workshop (Washington, D.C., NSF; May 2009)
 IGERT Workshop (Washington, D.C., NSF; May 2010)
 National Research Council workshop on “The importance of Deep-time geological records for understanding climate change impacts” (Chair; Washington D.C., 2007, UC Irvine, 2008, NCAR 2009)
 INVEST Meeting (Future of Ocean Drilling, Bremen, Germany, 2009)
 Climate and Biota of the Early Palaeogene (Wellington, NZ, 2009; Invited speaker)
 International Paleoceanography Conference (SIO, 2010)

TV and Radio Interviews

UCSD TV production on Birch Aquarium Perspectives Lecture on Scientific results from IODP Leg 207, Demerara Rise.
 KPBS Radio spot on Paleocene-Eocene Thermal Maximum (resulting from Nunes and Norris, 2006, Nature)
 KPBS Radio spot on glaciation during the Cretaceous Hothouse (based upon media requests resulting from Bornemann et al. (2006, Science)
 “Earth and Sky” radio spot on glaciation during the Cretaceous Hothouse (based upon media requests resulting from Bornemann et al. (2006, Science)
 TV Channel 5 nightly news spot on glaciation during the Cretaceous Hothouse (based upon media requests resulting from Bornemann et al. (2006, Science)
 TV Channel 5 nightly news spot on the Chicxulub Impact (based upon media interest in Schulte et al. 2010, Science).
 BBC2 production (2009) on deep water circulation (including demonstration of thermohaline overturning in a flume tank) in the Panthalassa Ocean in the Permian
 PBS “The News hour” (on results of EXP 342 while still at sea, July 2013)
 SIO Web Site—blog posts on the Earth’s passage through the 400 ppmv mark in atmospheric CO₂ (2013)

(f) **Other Activities** Those that do not fit into categories (a) – (e) above (including community service).

Shipboard Experience

2012 Co-Chief Scientist, IODP Expedition 342 Paleogene Newfoundland Sediment Drifts
 2010 CAL-ECHOS—RV Melville, Santa Barbara Basin (Faculty advisor to Chief Sci Mindi Summers)
 2005-Present Annual Student cruises as part of the IGERT Summer Course, SIO, RV Sproul
 2004 Chief Scientist, RV Knorr 179, Leg 1, Newfoundland Paleogene and Cretaceous Sediment Drifts
 2003 Paleontologist (foraminifera), ODP Leg 207, Demerara Rise
 2001 Paleontologist (foraminifera), ODP Leg 199, Equatorial Paleogene Pacific Transect
 1997 Co-chief Scientist on ODP Leg 171B, Blake Nose Paleogene and Cretaceous Paleooceanographic Transect
 1995 Paleontologist (foraminifera), ODP Leg 159, Romanche Fracture Zone and Paleooceanographic Transect, Cote d’Ivoire-Ghana, West Africa

Instructor “Oceanography” and “Rocks and Minerals” Poway School District Science Olympiad (Winter 2006-2007)

Instructor “Fossils” and “Rocks and Minerals” Poway School District Science Olympiad (Winter 2007-2008)

Instructor “Fossils” and “Rocks and Minerals” Poway School District Science Olympiad (Winter 2008-2009)

Co-Examiner “Birds” Poway School District Science Olympiad (Winter 2010)

Instructor: “Marine Geology” and tours of the SIO Core Laboratory for San Diego High School teacher workshops organized by the Birch Aquarium (2005, 2006 and August 2007)

Numerous tours of the SIO Geological Collections for the public (2003-Present)

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(g) Student Instructional Activities

Course load information is reported separately in faculty review files. Please list here all students mentored outside of the structured classroom setting. Please list by category (e.g., undergraduate research students, masters or doctoral candidates, postdoctoral or medical fellows, interns, residents) and indicate your role (e.g., thesis adviser, research adviser) for each student. For graduate students, indicate the year of their degree when appropriate.

Ph.D. Thesis Advisor:

Rishi Sugla (SIO/UCSD Ph.D., entered 2014)
 Samantha Trumbo (SIO/UCSD Ph.D., entering 2013)
 Benjamin Neal (SIO/UCSD, Ph.D. co-chair with Greg Mitchell, August 2013)
 Elizabeth Sibert (SIO/UCSD, Ph.D., advanced to candidacy 2013 (in her second year!); expected 2015)
 Jasmeet Dhaliwal (SIO/UCSD, Ph.D. (Switched to James Day in 2012, expected 2015)
 Lauren Freeman (SIO/UCSD Ph.D.; co-chair with Art Miller, 2013)
 Mindi Summers (SIO/UCSD, Ph.D. first year committee chair, 2009-2010)
 Sandra Kirtland (SIO/UCSD, Ph.D., 2012)
 Matthew Forest (SIO/UCSD, Ph.D., 2013)
 Johnnie Lyman (SIO/UCSD, M.S., 2010)
 Pincelli Hull (SIO/UCSD, Ph.D., 2010; co-chair with Mark Ohman)
 Jenny Vogel (SIO/UCSD, MS, 2009)
 Flavia Nunes (SIO/UCSD, Ph.D. 2009)
 Jessica Carilli (SIO/UCSD, Ph.D. 2009)

Ph.D. Thesis Committee

Chris Kopp (UCSD Biology, Ph.D. expected 2014)
 Simon Freemean (SIO/UCSD Ph.D. expected 2013)
 William Jones (SIO/Ph.D., expected 2014)
 Matt Leslie (2011-Present; Ph.D. committee)
 Elizabeth Keenan (Rady/UCSD, Ph.D. expected 2013)
 Marco Hatch (SIO/UCSD Ph.D. May 2012)
 Atreyee Bhattacharya (Harvard, Ph.D. 2011)
 Grant Galland UCSD/SIO, Ph.D. 2012
 Andrew Nosal, UCSD/SIO, Ph.D. 2012
 Jill Leonard Pingel SIO/UCSD, Ph.D. 2012
 Katie Cramer SIO/UCSD, Ph.D. 2011
 Ruben Valas, UCSD-Bioinformatics, Ph.D. 2010
 Patrick Rafter (SIO/UCSD. Ph.D., 2009)
 Mea Young Cook (WHOI-MIT Joint Program Ph.D. 2006)
 Kristy Dahl (WHOI-MIT Joint Program Ph.D. 2006)
 Daniela Schmidt (U. Zurich, Ph.D. 2003)
 Linda Amaral-Zettler (WHOI/MIT Ph.D., 1997)
 Susan Alderman (WHOI/MIT M.S., 1997)
 Thomas Ehrendorfer (WHOI/MIT Ph.D. 1994)

Master's students (Earth Sciences)

Doug Tomazic (SIO MS program, 2012-2104)

Master's Students (in the CMBC Masters of Advanced Study Program)

Alex Thornton (2013-14, Breeding systems of Equatorial Pacific delphinids)
 Ralph Pace (2012-13; Coastal development in central Mexico)
 Frances Kinney (2012-13; Ocean connectors program development)
 Caitlin Scully (2011-2012; Cedar Breaks Geologic history)
 Ally Redman (2010-2011, Ocean global change education)
 Jessica Weismann (2009-2010; Website of "then" and "now" photographs of environmental change)
 Abbie Sloan (2009-2010; study of public outreach on the Florida Reef Plan)
 Becky Twohey (2008-2009; study of best practices for MPA management)
 Eric Wilkins (2008-2009: Study of the effects of sea level rise on San Diego Coastal Estuaries)

Co-teaching:

Paleobiology UCSD: SIO 104, 2007-2009, 2011-2014, field trips in 2010
Marine Paleoecology UCSD: SIO 148, 2008, 2010

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MAS Forum (2008-Present in Fall and Winter of each year)
IGERT Forum (2008-Present, Each Quarter of every year)
Natural History of Coastal Environments SIO 275B, 2007, 2009, 2010
Marine Conservation Biology (SIO 286, 2010)
Global Change, Marine Ecosystems and Society (a science writing course) SIO 286, 2009
Macroevolution UCSD: SIO 249, 2007
IGERT Summer Course (Paleoclimate week leader Cruise participant and field trip leader, 2007-Present)
History of Earth and Life UCSD: Earth 12, 2002-2005
Earth History SIO 250, 2003-2004
Introduction to Earth and Environmental Sciences SIO-50 UCSD: 2005-2009
Introduction to Earth and Environmental Sciences Earth 101 UCSD: 2004
Pre-Pleistocene Paleoceanography (WHOI: 1997-2001)
Fossils and Oceans (WHOI:1992-1995)
Micropaleontology (Brown University, 1992)

Postdoctoral Scholars

Astrid Montiel-Boehringer (UCMEXUS, 2012-213)
 Katie Cramer (Smithsonian Institution; in residence at SIO; 2012-Present)
 Tatsu Yamaguchi (2009-2012)
 Sarah Jane Jacket (2007-2009)
 Philip Sexton (2006-2008)
 Oliver Friedrich (2006-2007)
 Andre Borneman (2005-2006)
 Daniel Clay Kelly (1998-2001)
 Colomban de Vargas (2000-2002)
 Frederic Quillevère (2000-2001)

WHOI Summer Fellows

Yvette Maestas (1997)
 Elizabeth Magno (with Karen Bice--1999)
 Phil Sexton (2001)
 Haidi Hancock (2001)

Guest Graduate Students

Atreyee Bhattacharya, Harvard (2008-2011)
 Kursty Edgar, National Oceanography Centre (2007)
 Frederic Quillevère, University of Montpellier (1997-2000)
 Karen Hayes-Baker, University of Oxford (1997-1998)
 Santo Bains, University of Oxford (1998)
 Bridget Wade, University of Edinburgh (1998)

Undergraduate Research Students

Raquel Bryant (2014, REU-SURF program, Brown University)
 Daniel Gaskell (2013-14; Visiting Undergraduate, Baylor)
 Christian Brown (2013; REU-SURF program, Yale University)
 Dionne Mejia (2013; 199 student)
 Arisa Sanderson (2013; 199 student)
 Lana G Graves (2013, 199 Student)
 Matthias Scher (2012; 199 student)
 Matt Lawson (2011; REU Student: fish teeth in the Dominican Republic, Holocene)
 Elizabeth Sibert (project on fossil fish teeth 2009-2010)
 Shi (Joyce) Sim (project on laminated sediments 2010)
 Carri Lyn-Cameron (project on modern shark denticles, 2010)
 Travis Wicks (2008-2010; project on foraminifer evolution; now Ph.D. student at U-Texas, Austin)
 Tim Wong (project on coral isotopes 2008, project on fossil fish teeth 2010)
 Alex Bergen (project on coral morphometrics, 2009)
 Peter Bloxsum (project on Paleogene foraminifer stable isotopes, 2008)
 Jessie Godfrey (project on “green bands” in *Montastrea* corals, 2008)
 Anna Ellingboe Simeon (project on population dynamics of Pliocene foraminifera, 2008)
 Randie Bundy (project on coral stable isotopes, 2007)

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Emily Effner (ESYS internship on insect populations on cacti in Anza Borrego, 2007)
 Jordan Arce (project on coral measurements, 2010)
 James Nygen (project on public attitudes toward Marine Protected Areas, 2010)

Publications – Richard D. Norris (07/2013)

A. Primary Published Work

1. Dickinson, W.R., R.A. Armin, N. Beckvar, T.C. Goodlin, S.U. Janecke, R.A. Mark, R.D. Norris, Radel, G., and A.A. Wortman. 1984. Geohistory analysis of rates of sediment accumulation and subsidence for selected California basins. Pp. 2-23 in R. U. Ingersoll and W. G. Ernst, eds. *Cenozoic Basin Development of Coastal California*. Prentice-Hall, Englewood Cliffs, N.J. RESEARCH ARTICLE
2. Norris, R.D. Taphonomic gradients in shelf fossil assemblages: Pliocene Purisima Formation, Monterey Bay, California. 1986. *Palaios* 1, 256-270. RESEARCH ARTICLE
3. Norris, R.D., Cnidarian taphonomy and affinities of the Ediacara biota, 1989. *Lethaia*, 22, 381-393. RESEARCH ARTICLE
4. Allmon, W.A., J.C. Nieh, and R.D. Norris. 1990. Predation in time and space reconsidered: drilling and peeling in turritelline gastropods (Mesogastropoda, Turritellidae). *Palaeontology* 33, 595-611. RESEARCH ARTICLE
5. Norris, R.D., 1991. Parallel evolution of keel structure in planktic foraminifera, *Journal of Foraminiferal Research*, 21, 319-331. RESEARCH ARTICLE
6. Norris, R.D., Biased extinction and evolutionary trends, 1991. *Paleobiology*, 17, 388-399. RESEARCH ARTICLE
7. Norris, R.D., 1992. Umbilical structures in late Cretaceous planktonic foraminifera, *Micropaleontology*, 38 (2), 165-181. RESEARCH ARTICLE
8. Norris, R.D., Extinction selectivity and ecology in planktonic foraminifera, 1992. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 95, 1-17. RESEARCH ARTICLE
9. Norris, R.D., R.M. Corfield, and J.E. Cartlidge, 1993. Evolution of depth ecology in the planktic Foraminifera lineage *Globorotalia (Fohsella)*, *Geology*, 21, 975-978. RESEARCH ARTICLE
10. Norris, R.D., R.M. Corfield, and J.E. Cartlidge, 1994. Evolutionary ecology of *Globorotalia (Globoconella)* (planktic foraminifera), *Marine Micropaleontology*, 23, 121-145. RESEARCH ARTICLE
11. Corfield, R.M., and R.D. Norris, 1996. Deep water circulation in the Palaeocene ocean, in *Correlation of the Early Palaeogene in Northwest Europe*, edited by R.W. Knox, R.M. Corfield, and R.E. Dunay, pp. 443-456, Geological Society, London. RESEARCH ARTICLE
12. Norris, R.D., L.S. Jones, R.M. Corfield, and J.E. Cartlidge, 1996. Skiing in the Eocene Uinta Mountains? Isotopic evidence for snow melt and Large Mountains in the Green River Formation, *Geology*. RESEARCH ARTICLE
13. Norris, R.D., R.M. Corfield, and J.E. Cartlidge, 1996. What is gradualism? Cryptic speciation in globorotaliid planktic foraminifera, *Paleobiology*, 22 (3), 386-405. RESEARCH ARTICLE
14. Norris, R.D., Symbiosis as an evolutionary innovation in the radiation of Paleocene planktic foraminifera, 1996. *Paleobiology*, 22 (4), 461-480. RESEARCH ARTICLE

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Current Review Eff:			

15. Berggren, W.A., and R.D. Norris, Biostratigraphy, phylogeny and systematics of Paleocene trochospiral planktic foraminifera, 1997. *Micropaleontology Supplement*, 43 (1), 1-116. RESEARCH ARTICLE
16. Mascle J, Lohmann P, Clift P, Akamaluk T, Allerton S, Ask M, Barrera EC, Barton E, Basile C, Bellier JP, Benkhelil J, Brantuoh E, Edwards R, Ewert E, Goncalves C, Janik AG, Holmes MA, Hisada K, Lohmann KC, Morita S, MorteraGutierrez CA, Norris RD, Oboh FE, Pletsch T, Pickett EA, Ravizza G, Shafik S, Shin IC, Strand KO, Wagner T and Watkins D (1997) Development of a passive transform margin: Cote d'Ivoire Ghana transform margin - ODP Leg 159 preliminary results. *Geo-Marine Letters* 17: 4-11 RESEARCH ARTICLE
17. ObohKuenobe FE, Yepes O, Mascle J, Lohmann GP, Clift P, Allerton S, Ask M, Barrera E, Barton E, Basile C, Bellier JP, Benkhelil J, Brantuoh E, Edwards R, Ewert E, Goncalves C, Janik AG, Holmes MA, Hisada K, Lohmann KC, Morita S, MonteraGutierrez CA, Norris RD, Pletsch T, Pickett EA, Ravizza G, Shafik S, Strand KO, Wagner T and Watkins D (1997) Palynofacies analysis of sediments from the Cote d'Ivoire Ghana transform margin: Preliminary correlation with some regional events in the Equatorial Atlantic. *Palaeogeography Palaeoclimatology Palaeoecology* 129: 291-314 RESEARCH ARTICLE
18. Bellier JP, Marca S, Norris RD, Kroon D, Klaus A, Alexander IT, Bardot LP, Barker CE, Blome CD, Clarke LJ, Erbacher J, Faul KL, Holmes MA, Huber BT, Katz ME, MacLeod KG, MartinezRuiz FC, Mita I, Nakai M, Ogg JG, Pak DK, Pletsch TK, SelfTrail JM, Shackleton NJ, Smit J, Ussler W, Watkins DK, Widmark J and Wilson PA (1997) The Blake Nose Cretaceous-Paleogene (Florida Atlantic margin, ODP Leg 171B): an exemplar record of the Maastrichtian-Danian transition. *Comptes Rendus De L Academie Des Sciences Serie Ii Fascicule A-Sciences De La Terre Et Des Planetes* 325: 499-504 RESEARCH ARTICLE
19. Kroon, D., Norris, R.D., Klaus, A. and ODP Leg 171B Science Party. 1998. Drilling Blake Nose: The search for evidence of extreme Palaeogene-Cretaceous climates and extraterrestrial events. *Geology Today* 224-228. RESEARCH ARTICLE
20. Olsson, D. Hemleben, C., Berggren, W., Huber, B., eds. (with Norris, R., D'Hondt, S., Jenkins, G. and Pearson, P. N., as contributors). 1998. Atlas of Paleocene Planktic Foraminifera. *Smithsonian Studies in Paleobiology*. RESEARCH ARTICLE
18. Norris, R.D., D.Y. Kim, B.-K. Park, S.-H. Kang, and B.-K. Khim, 1998. Stable isotope and ecological habitat of planktonic foraminifera adjacent to the ice edge in the western Weddell Sea, *Geoscience Journal*, 2 (2), 88-98. RESEARCH ARTICLE
19. Norris, R.D., Neogene Planktonic foraminifer biostratigraphy of Leg 159 sites; Eastern Equatorial Atlantic, 1998. *Proceedings of the Ocean Drilling Program, Scientific Results*, 159, 445-479. RESEARCH ARTICLE
20. Norris, R.D., Miocene-Pliocene surface-water hydrography of the eastern equatorial Atlantic: *Proceedings of the Ocean Drilling Program, Scientific Results*, 159, 539-555, 1998. RESEARCH ARTICLE
21. Norris, R. D., 1998. Recognition and macroevolutionary significance of photosymbiosis in molluscs, clorals and foraminifera. in Norris, R. D., and Corfield, R. M.,(eds.): *Isotope Paleobiology and Paleoecology: Paleontological Society Papers 4*, 68-100. RESEARCH ARTICLE
22. Norris, R.D., and P.A. Wilson, 1998. Low-latitude sea-surface temperatures for the mid-Cretaceous and the evolution of planktic foraminifera, *Geology*, 26 (9), 823-826. RESEARCH ARTICLE
23. Norris, R. D., and Corfield, R. M. (eds) 1998. *Isotope Paleobiology and Paleoecology: Paleontological Society Papers 4*, 1-285. BOOK EDITOR
24. Corfield, R.M., and R.D. Norris, 1998. Isotopic context of the Paleocene-Eocene Boundary, in *Late Paleocene-Early Eocene climatic and biotic events*, edited by M.-P. Aubry, S. Lucas, and W.A. Berggren, Columbia University Press, New York. RESEARCH ARTICLE

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25. Billups, K., A.C. Ravelo, J.C. Zachos, and R.D. Norris, 1999. Link between oceanic heat transport, thermohaline circulation, and the Intertropical Convergence Zone in the early Pliocene Atlantic, *Geology*, 27 (4), 319-322. RESEARCH ARTICLE
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