DENNIS V. KENT

Lamont-Doherty Earth Observatory of Columbia University
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Department of Earth and Planetary Sciences
Rutgers University
610 Taylor Road
Piscataway, NJ 08854-8066 USA

EDUCATION

1974	Ph.D. (Marine Geology & Geophysics) Columbia University, NY
1968	B.Sc. (Geology) City College, City University of New York, NY

APPOINTMENTS

2020–	Board of Governors Professor Emeritus, Rutgers University
2007–2020	Board of Governors Professor, Rutgers University
2003	Gastprofessor, Institüt für Geophysik, ETH, Zürich (also in 1982 and 1987)
2003	Visiting Scholar, Scripps Institution of Oceanography, UCSD, La Jolla, CA
1998–2007	Distinguished Professor, Department of Earth & Planetary Sciences, Rutgers University
1998–	Adjunct Senior Research Scientist, Lamont-Doherty Earth Observatory
1993	Director of Research, Lamont-Doherty Earth Observatory
1989–90	Interim Director, Lamont-Doherty Earth Observatory
1987–89	Associate Director for Oceans & Climate, Lamont-Doherty Earth Observatory
1987–98	Adjunct Professor, Dept. of Earth & Environmental Sciences, Columbia University
1984–99	Doherty Senior Scientist, Lamont-Doherty Earth Observatory
1981–87	Adjunct Associate Professor, Dept. of Geological Sciences, Columbia University
1979–84	Senior Research Scientist, Lamont-Doherty Earth Observatory
1974–79	Research Associate, Lamont-Doherty Earth Observatory, Columbia University

PRINCIPAL RESEARCH INTERESTS

Paleomagnetism, geomagnetism, rock magnetism and their application to geologic problems. Current interests include astrochronometric polarity time scales; paleogeography, paleoclimatology and the long-term carbon cycle; paleointensity; magnetic properties of sediments, lavas and polar ice.

HONORS

John Adam Fleming Medal, American Geophysical Union (2022)
Fellow, American Academy of Arts and Sciences (2012)
Arduino Lecture, University of Padova (2010)
William Gilbert Award, American Geophysical Union (2009)
Petrus Peregrinus Medal, European Geosciences Union (2006)
Docteur honoris causa, Sorbonne Université, Paris (2005)
Member, U.S. National Academy of Sciences (2004)

Board of Trustees Award for Excellence in Research, Rutgers University (2004)
Arthur L. Day Medal, Geological Society of America (2003)
Vening Meinesz Medal, Delft University, Holland (2003)
Fellow, American Association for the Advancement of Science (1993)
Fellow, American Geophysical Union (1991)
Fellow, Geological Society of America (1985)

Original Member (2001), ISI Highly Cited Researchers <http://isihighlycited.com/>; see also <http://www.sciencewatch.com/nov-dec2001/sw_nov-dec2001_page1.htm>
Inaugural Member (2024), ScholarGPS Highly Ranked Scholar <ScholarGPS@scholargps.com>
Listed in Who's Who, Dictionary of International Biography, American Men and Women of Science.
Scopus Author ID: 7202552559. ORCID ID: 0000-0002-7677-2993

PROFESSIONAL SERVICE

AGU: President-elect and President, Geomagnetism and Paleomagnetism Section (1992–96); Edward A. Flinn Award Committee (Chair, 1992–94); Union Fellows Committee (1992–94; 1998–2000; Chair, 2000–2002).
American Association for the Advancement of Science: Member-at-Large, Section E (2014-2018).
Associate Editor: Journal of Geophysical Research (1981–83), Geophysical Research Letters (1984–87), Paleoceanography (1989–1996), Terra Nova (1997–1999), G^3 (1999–2005).
Cooperative Institute for Deep Earth Research (CIDER), Steering Committee (2003–2006).
Editorial Advisory Board, Earth and Planetary Science Letters (2010-2020).
European Geophysical Union: Arthur Holmes Medal Committee (2019-2023).
Geological Society of America: Arthur L. Day Medal Committee (2004–2007).
Institute for Rock Magnetism (Minnesota), Review and Advisory Committee (1994–1999).
IODP Management International (IODP-MI): Board of Governors, Executive Committee (2003–2007), Alternate (2007-2013); 2nd Triennium Review Committee (2010).
Joint Oceanographic Institutions (JOI), Inc.: Board of Governors (1989–90; 1993; 1999–2007; Vice Chair, 2002–2004; Chair, 2004–2006).
Joint Oceanographic Institutions for Deep Earth Sampling (JOIDES): COSOD Working Group IV (1981); Ocean History Panel (1987–90); Executive Committee (1989–90; 1993; 1999–2003); COMPOST-II (1996–97); Extreme Climates Program Planning Group (1998–2000).
National Academy of Sciences: G. K. Warren Prize Committee (2013, Chair 2018).
National Research Council: Committee on the Importance of Deep-Time Geologic Records for Understanding Climate Change Impacts (2007–2011). Committee on Seismology and Geodynamics (COSG), NRC Board on Earth Sciences and Resources (2015-2016). Catalyzing Opportunities for Research in the Earth Sciences (CORES): A Decadal Survey for NSF's Division of Earth Sciences (2018-2020).
National Science Foundation, EAR Instrument & Facilities Panel (2001–2002), Geophysics Panel (2013).
Rutgers University: Appointments and Promotions Committee (2007-2019); Research Council (2010-2019).
Subcommission on Triassic Stratigraphy (ICS/IUGS), Voting Member (**2001-**).
Subcommission on Neogene Stratigraphy (ICS/IUGS), Voting Member (1996-2020); Corresponding (**2021-**).
U.S. Continental Scientific Drilling Program, Forum Organizing Committee (1993–1995).

Visiting Committee, Department of Earth & Planetary Sciences, Harvard University (2003–2005).
Proposal reviewer for American Chemical Society (PRF), Deutsche Forschungsgemeinschaft (DFG), DOE, European Science Foundation, Guggenheim Foundation, International Science Foundation, NERC (UK), National Geographic Society, NASA, NSF, NSERC (Canada).

INVITED TALKS

UMass-Amherst; CUNY-Queens, Scripps Institution of Oceanography, Brown, U. Rhode Island, Institute of Geology-Beijing, Institute of Geology and Paleontology-Nanjing, Lehigh, Servicio Nacional de Geologia y Mineria-Santiago (Chile), Woods Hole Oceanographic Institution (Conoco Distinguished Lecturer, 1983), Rutgers U., U. Marseille-France, U. Cincinnati, U. Michigan (Turner/Conoco Distinguished Lecturer, 1985), Syracuse U., Penn. State U., U. Delaware, Florida International U., Northwestern, Cornell, Franklin and Marshall College, U. Utrecht-Holland. 2001: U. Wyoming (Distinguished Lecturer). 2003: Ludwig-Maximilians-Universitaet Munich, U. Milan-Italy, ETH-Zurich, UCSD-Scripps, Delft U.-Holland (Vening Meinesz Lecture). 2004: Tohoku U.-Japan, ETH-Zurich, U. Minnesota, SUNY Stony Brook, GFZ-Potsdam, LDEO. 2005: U. Bremen, IPG-Paris, U. Florida, MIT. 2006: Yale, Braunschweig, Ludwig-Maximilians-Universitaet Munich, LDEO. 2008: Brown, LDEO, Institute of Geology & Geophysics-Beijing (Lecture Series), Rice, Texas A&M U., Princeton, Harvard. 2009: Florida International U., Rutgers, SUNY-Stony Brook. 2010: Yale, U. Padova (Arduino Lecture), CUNY-Brooklyn. 2011: Syracuse U., U. Minnesota, Rutgers. 2013: UCSD-Scripps, Institute of Earth Environment-Xi'an, Institute of Geology & Geophysics-Beijing. 2014: MIT, Franklin Institute. 2015: U. Oslo, U. Michigan, U. Maine, U. Milan. 2016: LDEO, U. Oslo. 2017: U. Florida, Atmospheric Sciences Res. Ctr. in Albany NY, U. Utrecht, Tenerife. 2019: DTM-Carnegie Institute of Science-Washington D.C., U. Milan, Ludwig-Maximilians-Universitaet Munich. 2021: Geocosmos St. Petersburg.

American Geophysical Union, Geological Society of America, Joint Oceanographic Assembly, Geological Society of London, Geological Society of Australia, United Kingdom Geophysical Assembly, Royal Society, European Geophysical Society, European Geophysical Union, Society of Vertebrate Paleontology, Beijing Earth and Planetary Interior Symposium, Strati2019; Geocosmos Meeting, St. Petersburg University.

Ph.D. COMMITTEES

Department of Earth and Environmental Sciences, Columbia University:

1982 Donald Prothero (Reader): Magnetostratigraphy and Mammalian Biostratigraphy: Testing the Isochroneity of Mammalian Biostratigraphic Events.

1983 Lisa Tauxe (Academic & Research Advisor): Rock Magnetism and Paleomagnetism of Miocene Fluvial Sediments in Northern Pakistan.

1983 John J. Flynn (Reader): Correlation and Geochronology of Middle Eocene Strata from the Western United States.

1983 Muhammed J. Khan (Academic Advisor): Magnetostratigraphy of Neogene and Quaternary Siwalik Group Sediments of the Trans-Indus Salt Range, Northwestern Pakistan.

1983 Steven Marshak (Reader): Aspects of Deformation in Carbonate Rocks of Fold-thrust Belts of Central Italy and Eastern New York State.

1984 Dann J. Spariosu (Academic & Research Advisor): Paleomagnetic Investigations of Northern Appalachian Terrane History during the Middle to Late Paleozoic.

1984 Bradford M. Clement (Academic & Research Advisor): Details of Geomagnetic Polarity Transitions as Recorded in Deep-Sea Sediments.

1988 John D. Miller (Academic & Research Advisor): Paleomagnetism Applied to Tectonic Problems in the Appalachians of North America.

1989 Ann M. Grunow (Research Advisor): Aspects of the Evolution of the West Antarctic Margin of Gondwanaland.

1989 Carol A. Raymond (Academic Advisor): Satellite Elevation Magnetic Anomalies and Their Use in Tectonic Studies.

1989 David A. Schneider (Academic & Research Advisor): Time-Averaged Paleomagnetic Field of the Plio-Pleistocene from Deep-Sea Sediments.

1991 William K. Witte (Academic & Research Advisor): Paleomagnetism of Late Triassic and Earliest Jurassic Rocks of the Newark Basin: Paleomagnetic Poles and Magnetostratigraphy.

1992 Mickey C. Van Fossen (Academic & Research Advisor): Studies in Jurassic Through Cretaceous North American Apparent Polar Wander.

1993 Kim Kane (Reader): Long-Lived Segmentation of the Mid-Ocean Ridge.

1995 Vic DiVenere (Academic & Research Advisor): Paleomagnetic Results from Marie Byrd Land, West Antarctica: Tectonic Implications for West Antarctica and the Atlantic-Pacific Plate Circuit.

1995 Dan Bryant (Reader): Oxygen Isotope Systematics in Mammalian Body Water and in Modern and Fossil Equid Tooth Enamel Phosphate.

1999 Peter M. LeTourneau (Research Advisor): Depositional History and Tectonic Evolution of Late Triassic Age Rifts of the U.S. Central Atlantic Margin: Results of an Integrated Stratigraphic, Structural and Paleomagnetic Analysis of the Taylorsville and Richmond Basins.

2000 Linda Sohl (Research Advisor): Paleoclimatology of the Neoproterozoic Interglacial to Marinoan Glacial Succession (~650-675 Ma), Central Flinders Ranges, South Australia.

2006 Susan H. Zimmerman (Research Advisor): Chronology and Paleoclimate Records of the Late Pleistocene Wilson Creek Formation at Mono Lake, California Lake.

2008 Greg Downing (Reader): Investigating the onset of Hudson Strait Heinrich Events in the Late Pleistocene.

Department of Earth & Planetary Sciences, Rutgers University:

2002 Benjamin S. Cramer (Research Advisor): Milankovitch versus the comet: cyclic and catastrophic climate forcing at the Paleocene/Eocene boundary.

2012 Morgan F. Schaller (Academic & Research Advisor): Large Igneous Provinces and Earth's carbon cycle: Lessons from the Late Triassic and rapidly emplaced Central Atlantic Magmatic Province.

2013 Huapei Wang (Academic & Research Advisor): Paleomagnetic Direction and Paleointensity Studies on Pliocene-Pleistocene Lava Flows from the Galapagos Islands.

External Committees:

1981 Tullis Onstott (Princeton University): Paleomagnetism of the Guyana Shield, Venezuela and Its Implication Concerning Proterozoic Tectonics of South America and Africa.

1986 Jean Besse (IPG Paris): Cinematiques des Plaques et Derive des Poles Magnetiques: Evolution de la Tethys, Collisions Continentals et Couplage Noyeau-Manteau.

1987 D.N. Douglass (Dartmouth College): Geology and Paleomagnetics of Three Old Red Sandstone Basins: Spitsbergen, Norway and Scotland.

1988 Z.X. Li (Macquarie University): Palaeozoic Paleomagnetism of Australia: Tectonic Significance and Comparison with South China

1990 C.A. Burns (University of Delaware): The Australasian Microtektite Layer: Implications concerning its source area and its relationship to the Brunhes/Matuyama geomagnetic reversal.

1993 Z. Chen (University of Western Australia): Late Devonian-Early Carboniferous Palaeomagnetism of Australia and Tectonic Significance.

1994 Peter Sugarman (Rutgers University): Strontium Isotope and Sequence Stratigraphy of the Uppermost Campanian-Maestrichtian and Miocene, New Jersey Coastal Plain.

1994 Giovanni Muttoni (Università degli studi di Milano): Analisi Paleomagnetica di Sezioni Stratigrafiche Significative del Triassico Inferiore e Medio Della Tetide.

1994 Xavier Quidelleur (IPG Paris): Nature et Fidelité du Message Paleomagné tique des Inversions et de la Palé ovariation Sé culaire.

1995 Joseph Stoner (Université du Québec à Montréal): Magnetic Properties and Paleointensity Records from late Quaternary Labrador Sea Sediments.

1996 Ann Hirt (ETH, Zurich): The Role of Phyllosilicates in Chemical Remagnetization (Habilitationsschrift).

1996 Wout Krijgsman (Utrecht University): Miocene Magnetostratigraphy and Cyclostratigraphy in the Mediterranean: Extension of the Astronomical Polarity Time Scale.

1997 Yves Gallet (IPG Paris): Apport de la Magnetostratigraphie a l'Etude des Inversions du Champ Magnetique Terrestre (Habilitation).

1998 Y. Kok (Utrecht University): Relative paleointensities of the Earth's magnetic field derived from deep-sea sediments.

1998 Julie Carlut (IPG Paris): Une étude du champ magnétique terrestre sur les 5 derniers millions d'années.

2000 R. Cottrell (University of Rochester): Late Cretaceous Paleomagnetism: Tectonic, Paleoclimatic and Geomagnetic Implications

2000 R.J. Geeve (University of New South Wales): Paleomagnetism of the southern Tamworth Belt

2000 N. van Vugt (Utrecht University): Orbital forcing in late Neogene lacustrine basins from the Mediterranean basin.

2002 Kari Lyn Anderson (Macquarie University): Palaeozoic East Gondwana: Palaeomagnetic Investigations of Queensland.

2007 Pavel Doubrovine (Rochester University): Paleomagnetism and rock magnetism of oceanic basalts: From remanence acquisition to the motion of mantle hot spots and plates.

2008 Dario Bilardello (Lehigh University): Correcting for paleomagnetic inclination shallowing in Carboniferous red beds from the Maritime Provinces of Canada.

2010 Edoardo Dallanave (University of Padova): Magnetostratigraphy and rock-magnetism of Paleogene sections from the Venetian Alps (Italy).

2010 Martijn Deenen (Utrecht University): A new chronology for the late Triassic to early Jurassic.

2011 Johannes de Leeuw (Utrecht University): Paleomagnetic and geochronologic constraints on the Miocene evolution of semi-isolated basins in southeastern Europe.
2016 Lara Sciscio (University of Cape Town): Position of the Triassic-Jurassic boundary in South Africa and Lesotho: a multidisciplinary approach aimed at improving the chronostratigraphy and biostratigraphy of the Elliot Formation, Stormberg Group.
2017 Edoardo Monesi (University of Milan): Magnetostratigraphic data on the first colonization of Europe by early hominins during the late Early Pleistocene
2019 Lydian Boschman (Utrecht University): Reconstructing lost plates of the Panthalassa Ocean

POST-DOCTORAL RESEARCH SCIENTISTS & VISITING SCHOLARS

1980 Jean Besse (now at IPG Paris, France)
1988 Pierre Rochette (now at University of Aix-Marseille III, France)
1989 In Soo Kim (now at Pusan National University, South Korea)
1991 David Schneider (now at IEEE, Piscataway, NJ)
1991-93 William Witte (now at University of Alaska, Fairbanks, AK)
1991-94 Jeff Gee (now at Scripps Institution of Oceanography, La Jolla, CA)
1995 Giovanni Muttoni (now at University of Milan, Italy)
1999-01 Julie Carlut (now at IPG Paris, France)
2000-01 Luca Lanci (now at University of Urbino, Italy)
2015-17 Roger Fu (now at Harvard University)
2016-17 Hong Ao (now at Chinese Academy of Sciences, Xi'an)

COURSES & SEMINARS

Department of Earth and Environmental Sciences, Columbia University:
Paleomagnetism (W4901). Fall 1980, Fall 1982, Fall 1984, Fall 1986, Fall 1988, Fall 1991.
Magnetization of the Oceanic Crust and Ridge Crest Processes (G9901). Fall 1987.
Plate Velocities Over Geologic Time (G9901). Fall 1989.
History of Earth's Magnetic Field (G6947). Spring 1994, Fall 1996.
Geomagnetic Reversals and Associated Phenomena (G9901). Spring 1996.

Department of Earth & Planetary Sciences, Rutgers University:
Evolution of Earth's Magnetic Field (460:611). Spring 2004.
Graduate Research Seminar (460:612). Spring 2001; Fall 2001, 2002, 2003, 2005.
Earth System History (460:102). Fall 2000, 2001, 2002, 2003, 2006.
Earth and Life Through Time (460:212). Fall 2007, 2008, 2009, 2010, 2011, 2014, 2016; Spring 2018.
Sedimentary Geology (460:505). Spring 2000, 2002.
Earth Science Colloquium (460:356). Spring 2000, Fall 2007.
Seminar in Paleomagnetism (460:611). Spring 1999.
Geodynamics (460:570). Spring 1999, 2001.
Honors Introductory Geology Lab (460:105). Spring 1999.
Seminar: Quaternary geochronology and geomagnetism (460:613/617). Spring 2006.
Seminar: CAMP: Anatomy of a Large Igneous Province (460:613). Spring 2008.
Seminar: Climate and geomagnetism: Is there a relationship? (460:613). Spring 2009.
Seminar: Mesozoic and Cenozoic Time Scale (460:613). Spring 2010.
Seminar: Abrupt geomagnetic changes (460:613). Spring 2011.
Seminar: Evolution of the global carbon cycle (460:613). Spring 2012.

Seminar: Geomagnetic polarity time scale and the geohistorical record (460:613). Spring 2013.
Seminar: Mass Extinctions: Correlations & Causes (460:613). Spring 2015.
Seminar: Paleocene-Eocene thermal maximum (460:613). Spring 2016.
Seminar: Astrochronostratigraphic polarity time scale (460:613). Spring 2017.
Seminar: Tectonics and climate (460:613). Fall 2017.
Seminar: Plate tectonics and the CO_2 paradigm for climate change (460:613). Fall 2019.

Institüt für Geophysik, ETH, Zürich:
Source of Marine Magnetic Anomalies. Summer 1982.
Special Topics in Paleomagnetism. Summer 1997.
Magnetostratigraphy, sea-level variations, true polar wander and comet impacts. Spring 2003.

FIELD EXPERIENCE

Ship Cruises

1968	R/V Vema (V2602) Bermuda to Bermuda
1969	R/V Vema (V2801) New York to Reykavik
1970	R/V Eastward: Barbados to Jamaica
1971	R/V Vema (V2812) Fiji to Fiji (co-Chief Scientist)
1971	R/V Vema (V2813) Fiji to Guam (co-Chief Scientist)
1979	D/V Glomar Challenger: Leg 68 (Curacao-Panama-Equador)
2007	R/V Melville: Magellan12 (Brisbane-Wellington-Pago Pago)

Field Sampling

1970- Caribbean (Barbados, Haiti, Jamaica), Japan (Honshu, Hokkaido), North America (e.g., Appalachians, Llano uplift, Rockies, Colorado Plateau, Sierra Nevada, Newark basins, Newfoundland, Nova Scotia, Ontario), Mediterranean (Santorini, Sicily, Hydra, Pantelleria), Europe (Slovakia, Spain, France, Greece, Italy), Africa (Mauritania, Morocco, Egypt, Kenya, Sao Tome), People's Republic of China (Yangtze platform), South America (Venezuela, Chile, Argentina), Australia (Lachlan foldbelt), New Zealand (South Island), Greenland (Jameson Land, three expeditions).

DENNIS V. KENT

LIST OF PUBLICATIONS

Ph.D. Dissertation

Kent, D.V., 1974, Magnetic properties and magnetic mineralogy of deep-sea sediments, Columbia University, New York, 279 p.

Edited Volumes

Kent, D.V. and M. Krs (editors), 1987, Laurasian paleomagnetism and tectonics, *Tectonophysics* (special issue), *139 (1/2)*.

Berggren, W.A. and **D.V. Kent** (editors), 1988, Cenozoic time scales, *Paleoceanography, 3 (2)*.

Berggren, W.A., **D.V. Kent**, M.P. Aubry and J. Hardenbol (editors), 1995, Geochronology, Time Scales and Global Stratigraphic Correlations, *SEPM Special Publication 54,* 386p.

Gubbins, D., **D.V. Kent** and C. Laj (editors), 2000, Geomagnetic polarity reversals and long-term secular variation, *Philosophical Transactions Royal Society of London A358,* 889–1223.

Channell, J.E.T., **D.V. Kent**, W. Lowrie and J. Meert (editors), 2004, Timescales of the Paleomagnetic Field, *AGU Geophysical Monograph 145,* 328p.

Journal or Book Articles (*numbered are peer-reviewed*)

1. **Kent, D.**, N.D. Opdyke and M. Ewing, 1971, Climate change in the North Pacific using ice-rafted detritus as a climatic indicator, *Geological Society of America Bulletin, 82,* 2741–2754.
2. **Kent, D.V.**, 1973, Paleomagnetism of some Neogene sedimentary rocks on Oga Peninsula, Japan, *Journal of Geomagnetism and Geoelectricity, 25,* 87–103.
3. **Kent, D.V.**, 1973, Post-depositional remanent magnetization in deep-sea sediment, *Nature, 246,* 32–34.
4. Opdyke, N.D., **D.V. Kent** and W. Lowrie, 1973, Details of magnetic polarity transitions recorded in a high deposition rate deep sea core, *Earth and Planetary Science Letters, 20*, 315–324.
5. **Kent, D.V.** and W. Lowrie, 1974, Origin of magnetic instability in cores from the central North Pacific, *Journal of Geophysical Research, 79,* 2987–3000.
6. Johnson, H.P., W. Lowrie and **D.V. Kent**, 1975, Stability of anhysteretic remanent magnetization in fine and coarse magnetite and maghemite particles, *Geophysical Journal of the Royal Astronomical Society, 41,* 1–10.
7. **Kent, D.V.**, 1975, Post-depositional detrital remanent magnetism in reconstituted deep sea sediment, in *Proceedings Takesi Nagata Conference* (June 1974, Univ. of Pittsburgh, Pittsburgh), 85–95.
8. **Kent, D.V.** and W. Lowrie, 1975, On the magnetic susceptibility anisotropy of deep sea sediment, *Earth and Planetary Science Letters, 28,* 1–12.
9. Cande, S.C. and **D.V. Kent**, 1976, Constraints imposed by the shape of marine magnetic anomalies on the magnetic source, *Journal of Geophysical Research, 81,* 4157–4162.

10. Lowrie, W. and **D.V. Kent**, 1976, Viscous remanent magnetization in basalt samples, *Initial Reports of the Deep Sea Drilling Project, 34,* 479–484.
11. LaBrecque, J.L., **D.V. Kent** and S.C. Cande, 1977, Revised magnetic polarity time scale for the Late Cretaceous and Cenozoic, *Geology, 5,* 330–335.
12. **Kent, D.V.**, 1977, An estimate of the duration of the faunal change at the Cretaceous/Tertiary boundary, *Geology, 5,* 769–771.
13. **Kent, D.V.** and W. Lowrie, 1977, Magnetic properties of igneous rock samples from Leg 37, *Initial Reports of the Deep-Sea Drilling Project, 37,* 525–530.
14. **Kent, D.V.** and N.D. Opdyke, 1977, Paleomagnetic field intensity variation recorded in a Brunhes epoch deep sea sediment core, *Nature, 266,* 156–159.
15. Ujiie, H., T. Saito, **D.V. Kent**, P.R. Thompson, H. Okada, G. de Vries Klein, I. Koizumi, H. E. Harper and T. Sato, 1977, Biostratigraphy, paleomagnetism and sedimentology of Late Cenozoic sediments in northwestern Hokkaido, Japan: *Bulletin of the National Science Museum, Series C (Geology), 3*, 49-102.

    Kent, D.V., 1978, Anisotropy in sediments, in Fairbridge, R.W. and Bourgeois, J. (editors), *Encyclopedia of Sedimentology (Volume VIA)* (Dowden, Hutchinson & Ross, Stroudsburg), 13–14.

    Kent, D.V., 1978, Remanent magnetism in sediment, in Fairbridge, R.W. and Bourgeois, J. (editors), *Encyclopedia of Sedimentology (Volume VIA)* (Dowden, Hutchinson & Ross, Stroudsburg), 617.
16. **Kent, D.V.,** B.M. Honnorez, N.D. Opdyke and P.J. Fox, 1978, Magnetic properties of dredged oceanic gabbros and the source of marine magnetic anomalies, *Geophysical Journal of the Royal Astronomical Society, 5,* 513–537.
17. **Kent, D.V.** and N.D. Opdyke, 1978, Paleomagnetism of the Devonian Catskill Red Beds: Evidence for motion of the coastal New England-Canadian Maritime region relative to cratonic North America, *Journal of Geophysical Research, 83,* 4441–4450.
18. **Kent, D.V.** and N.D. Opdyke, 1978, Paleomagnetism and magnetic properties of igneous rock samples–Leg 38, *Initial Reports of the Deep-Sea Drilling Project, 38 (Supplement)*, 3–8.
19. **Kent, D.V.** and L.P. Tsai, 1978, Paleomagnetism and rock magnetism of Upper Jurassic limestone and basalt from Site 367, *Initial Reports of the Deep-Sea Drilling Project, 41 (Supplement),* 995–1002.
20. Lowrie, W. and **D.V. Kent**, 1978, Characteristics of viscous remanent magnetization in oceanic basalts, *Journal of Geophysics, 44,* 297–315.
21. **Kent, D.V.**, 1979, Paleomagnetism of the Devonian Onondaga Limestone revisited, *Journal of Geophysical Research, 84,* 3576–3588.
22. **Kent, D.V.** and N.D. Opdyke, 1979, The Early Carboniferous paleomagnetic field of North America and its bearing on tectonics of the northern Appalachians, *Earth and Planetary Science Letters, 44,* 365–372.

23. Alvarez, W., **D.V. Kent**, I. Premoli Silva, R.A. Schweickert and R.L. Larson, 1980, Franciscan Complex limestone deposited at 17° south paleolatitude, *Geological Society of America Bulletin, 91,* 476–484.

24. **Kent, D.V.** and N.D. Opdyke, 1980, Paleomagnetism of Siluro-Devonian rocks from eastern Maine, *Canadian Journal of Earth Sciences, 17,* 1653–1665.

25. Prell, W. L., J. V. Gardner, C. Adelseck, G. Blechschmidt, A. J. Fleet, Keigwin, L.D., **D.V. Kent**, M. T. Ledbetter, U. Mann, L. Mayer, W. R. Reidel, C. Sancetta, D. Spariosu and H. B. Zimmerman, 1980, Hydraulic piston coring of late Neogene and Quaternary sections in the Caribbean and equatorial Pacific: Preliminary results of Deep-Sea Drilling Project Leg 68: *Geological Society of America Bulletin, 91,* 433–444.

26. Tauxe, L., **D.V. Kent** and N.D. Opdyke, 1980, Magnetic components contributing to the NRM of Middle Siwalik redbeds, *Earth and Planetary Science Letters, 47,* 279–284.

27. **Kent, D.V.**, 1981, Asteroid extinction hypothesis (Letter), *Science, 211,* 648.

28. **Kent, D.V.** and M.R. Maurrasse, 1981, Paleomagnetic results from the Cretaceous Dumisseau Formation of Haiti, *Publications, Trans. du Premiere Colloque sur la Geologie d'Haiti, Port-au-Prince* (Mars 1980, Publ. Henri Deschamps), 236–244.

29. **Kent, D.V.**, D. Ninkovich, T. Pescatore and R.S.J. Sparks, 1981, Paleomagnetic determination of emplacement temperature of the Vesuvius 79 A.D. pyroclastic deposit, *Nature, 290,* 393–396.

30. Clement, B.M., **D.V. Kent** and N.D. Opdyke, 1982, Brunhes-Matuyama transition in three deep sea sediment cores, *Philosophical Transactions of the Royal Society of London A306,* 113–119.

31. **Kent, D.V.**, 1982, Apparent correlation of paleomagnetic intensity and climatic records in deep sea sediments, *Nature, 299,* 538–540.

32. **Kent, D.V.**, 1982, Paleomagnetic evidence for post-Devonian displacement of the Avalon Platform (Newfoundland), *Journal of Geophysical Research, 87,* 8709–8716.

33. **Kent, D.V.** and N.D. Opdyke, 1982, Paleomagnetism of Siluro-Devonian rocks from eastern Maine: Reply to Comment by J. Roy, *Canadian Journal of Earth Sciences, 19,* 232–237.

34. **Kent, D.V.** and D.J. Spariosu, 1982, Magnetostratigraphy of Caribbean Site 502 hydraulic piston cores, *Initial Reports of the Deep Sea Drilling Project, 68,* 419–433.

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