

Curriculum Vitae

Gerta Keller

**Professor of Geology
and Paleontology
Department of
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Keller's primary research interests focus on major catastrophes in Earth's history in the broadest sense, including biological effects of catastrophes, such as mass extinctions, meteorite impacts, major volcanic eruptions, rapid climate changes, ocean acidification and oceanic anoxia event. Her research integrates paleontology, biostratigraphy, geochronology, sedimentology and geochemistry in reconstructing past environmental changes associated with or leading up to mass extinctions and major evolutionary turnovers.

Gerta Keller

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Fields of Specialization

Major catastrophes in Earth's history, including the biotic effects of catastrophes, such as meteorite impacts, major volcanic eruptions (LIPs) and oceanic anoxic events (OAEs). Integration of paleontology, stratigraphy, sedimentology and geochemistry in reconstructing past environmental changes, including climate, sea level, and catastrophes leading to severe biotic stress and mass extinctions.

EDUCATION

1978 – Ph.D. (Earth Sciences) Stanford University
1974 - B.S. (Geology) San Francisco State University,
1974 – B.A. (Anthropology) San Francisco State University

CAREER

1978-1979 Postdoctoral Scholar, Stanford University. Quantitative Biostratigraphic and paleoceanographic analysis of Miocene deep-sea cores in the North and equatorial Pacific, NSF Grant OCE 76-82181 (CENOP) Cenozoic Paleoceanography.
1980-1982 NRC Fellowship, U.S. Geological Survey, Menlo Park, California. Integrated biostratigraphic and paleoceanographic analyses of the Monterey Formation, California.
1982-1984 U.S. Geological Survey, Menlo Park, and Research Associate at Stanford University. Stratigraphic and paleoceanographic analysis of late Cretaceous to Recent planktonic foraminifers; analysis of late Eocene and Oligocene sediments for microtektite layers; tectonic terrane analysis; sedimentation and distribution of Miocene deep-sea hiatuses.
1984-1992 Associate Professor of Geology, Geology Department, Princeton University, Princeton,
1992- Professor of Geology, Department of Geosciences, Princeton University.

AWARDS AND FELLOWSHIPS

2012 - Radhakrishna Prize for research on Deccan volcanism linked to the end-Cretaceous mass extinction.
1991-1996 - NSF Faculty Award for Women Scientists and Engineers
1991 - SEPM Outstanding Paper of the Year Award
1980-1981 - National Research Council Fellowship, USGS Menlo Park
1974-1978 - Danforth Fellowship
1977 - Stanford University Fellowship
1975-1976 - Stanford University Fellowship
1974 - National Association of Geology Teachers Award

- 1973 - Research Grant to study invertebrates
- 1973 - Scholarship San Francisco State University
- 1972 - Purcell and Lamb Scholarship
- 1971 - Women Faculty Scholarship

PROFESSIONAL SOCIETIES

North American Micropaleontology Society (NAMS)
 Schweizerische Geologische Gesellschaft
 American Geophysical Union (AGU)
 European Geophysical Union (EGU)
 Geological Society of America (GSA)
 Member of International Geological Correlation Programme (IGCP) 262 Tethyan Cretaceous Correlation
 Member of IGCP Project 114, Neogene Correlations of the Pacific
 Member of IGCP Project 174, Eocene/Oligocene Boundary, co-ordinator of the Pacific working group
 Member of JOIDES, North Pacific Working Group 1980-1983
 Member of JOI, Caribbean Working Group 1987-1988
 Member of IUGS, Commission of Stratigraphy, Working Group on the Paleogene/Neogene Boundary
 Invited Participant, I.C.L. Working Group 7, Paleoenvironmental Evolution of the Oceans and the Atmosphere
 Member of IUGS, Commission of Stratigraphy, Working Group on the Cretaceous-Tertiary Boundary

MAJOR INVITED PRESENTATIONS AT OTHER ACADEMIC INSTITUTIONS AND SCIENTIFIC MEETINGS 2000-2014.

2000: Ben Gurion University, Beer Sheba, Israel lectures (March);
 International Conference: Asteroids, Meteorites, Impacts & Consequences, Nordlingen
 International Conference: Catastrophies, Vienna July 2000 Plenary Lecture;
 Swiss Geological Society Annual Meeting Winterthur Plenary lecture;
 MIT Colloquium lecture (Sept);
 Annual Meeting of the Geological Society of America, lecture
 2001: AAPG Conference, Boston (March);
 University of California, Santa Barbara (May) Colloquium;
 Annual Meeting of the Geological Society of America, lecture
 2002. Cretaceous Climate Workshop (NSF), Florissant, CO (July);
 International Micropaleontologic Congress, Plenary Speaker, Perth, Australia (Oct);
 Black Shales Conference, lecture, Geol. Soc. London (Dec.)
 2003: EUG-AUG meeting, Nice, France, special Session on Chixulub Drilling (April) Lecture;
 3rd International Conference on Large Meteorite Impacts, Nordlingen, Germany (August);
 Cardiff Conference: Mantle Plumes and Biotice effects, Plenary Speaker, England (Sept)
 2004: University of Neuchatel, Switzerland (May) Colloquium lecture;
 University of Karlsruhe, Germany, Colloquium lecture (June);

- University of Paris 6, Institute Physique du Globe (July) Colloquium lecture;
 Sigma Xi lecture, Princeton University (Oct.);
 Annual Meeting of the Geol. Soc. America, Impact Symposium Lecture (invited);
 Evolution Symposium, Princeton University, lecture (Dec)
- 2005: Haydon Planetarium Lecture, New York Museum of Natural History, lecture (April);
 Paleontological Society, NJ (May); Keynote Lecture,
 Intern. Symposium on the Cretaceous, University of Neuchatel, Keynote lecture (Sept.);
 Binghamton University, NY Colloquium Lecture (Nov.)
- 2006: AGU Baltimore (May) lecture;
 GSA Ann. Meeting Philadelphia (Oct) invited Public lecture;
 GSA Ann. Meeting Invited lecture in two special sessions,
 GSA Press Conference on new results of Keller's team;
 University of Munich, Germany (Nov) Colloquium lecture;
 University of Neuchatel (Nov) Colloquium lecture;
- 2007: University of Paris 6, Physique de Globe de Paris Colloquium lecture (May);
 AGU-EUG Acapulco, Mexico, lecture (May);
 GSA Ann. Meeting, Denver, invited lecture, GSA Press release on new results
 Birbal Institute, Lucknow, India, Plenary lecture (Nov)
- 2008: AAPG Conference, Chennai, India, Keynote lecture;
 Oil & Natural Gas Corp. Research Institute, Dehra Dun, India (Jan) Lecture;
 "II Simposio Geocientífico Internacional" Keynote Lecture (June);
 AGU San Francisco, lecture and AGU Press conference,
 NSF press conference on new Deccan results of Keller's team (Dec).
- 2009: Oil & Natural Gas Corp. Research Institute, Dehra Dun, India, Lecture (Feb);
 RECCCE Workshop, IGP, April 2009, Gams, Austria, Invited Lecture (April);
 EUG Meeting, Vienna, Austria, Lecture (April);
 International Symposium on the Cretaceous, Plymouth, GB, Lecture (Sept);
 GSA Annual Meeting, Portland, keynote lecture, GSA press conference,
 NSF press conference on new Deccan results (Nov)
- 2010: Oil & Natural Gas Corp. Research Institute, Dehra Dun, India Lecture (Feb);
 Adikavi Nannaya University, Rajahmundry, India, Lecture (Feb);
 EGU Vienna, invited lecture, EGU press conference (April);
 University of Lausanne, Switzerland, Colloquium Lecture (Sept);
- 2011: Presidential Address, XXXIII Colloquium on Micropaleontology and Stratigraphy,
 Bangalore, India (Dec); Keynote address: XXXIII Colloquium on Micropaleontology and
 Stratigraphy, Bangalore, India (Dec).
 Colloquium lecture to Fellows of the Geological Society of India, Bangalore (Dec);
 Colloquium lecture, Northwest University, Xian, China (Sept)
- 2012: Colloquium lecture, Ana University, Chennai, India (Feb);
 AGU San Francisco, Lecture (Dec);
- 2013: AGU San Francisco (invited lecture);
 International Conf. on Volcanism, Impacts and Mass Extinctions, London (March),
 Keynote lecture, 9th Cretaceous Symposium, Ankara, Turkey (Sept),
 Colloquium lecture, Dartmouth College (April)
- 2014: GSA Annual Meeting, Vancouver (Oct.), Pardee Symposium lecture (invited);
 GSA Annual Meeting, Vancouver (Oct.) Invited lecture (T206).

- Women's Club of Princeton, invited lecture, Nov. 2014
- 2015: GSA Annual Meeting, Baltimore, invited lecture, Oct. 2015
 EGU Technical session SSP1 "Volcanism, Impacts, Mass Extinctions, and Global Environmental Change" Vienna, April 2015, Lecture.
 Men's Club of Princeton, Nov. 2015
- 2016: EGU Annual Meeting, Vienna, Lecture
 GSA Annual Meeting, Denver, Lecture
- 2017: Florida State University, Colloquium lecture (Feb)
 EGU Annual Meeting, Vienna, Lecture

OUTREACH ACTIVITY:

- BBC Documentary "What Really killed the Dinosaurs" released fall 2004 (based on Keller's team research in Mexico)
- American Museum of Natural History, NY, film/interview of fieldwork on the Chicxulub Impact in Texas, 2005.
- Gerta Keller on mass extinctions: 1 hour live TV (German) interview by Alexander Kluge, 2005
- History Channel Documentary "First Apocalypse" released Jan. 7, 2009 (includes Keller's team research in India)
- Natural History Museum, Paris, new exhibit on the KT mass extinction featuring Keller's Team research results on the Chicxulub impact and Deccan volcanism, exhibit opened in May 2010
- Numerous interviews on public radio in the US, Canada, England, France, Germany, Switzerland.
- Numerous interviews with journalists since 2003 leading to hundreds of articles in newspapers and magazines published across the world on results from Keller's team on the end-Cretaceous mass extinction and its potential causes.
- Research articles written by Keller's team based on their research results and published in popular magazines and multiple languages (English, French, German, Spanish) in the USA, France, Germany, Switzerland, England, Spain, Mexico, Brazil.
- Numerous Public lectures for non-scientists across the US
- Advising high school students on science research projects on the KT mass extinction.
- Extensive website maintained by Keller on popular research topics with explanations and illustration of main results.

SUPERVISION OF GRADUATE STUDENTS 1984-2013

- Ph.D. Paula Mateo** (principle advisor) Ph.D. 2017.
- Ph.D. Jahnvi Punekar** (principle advisor) Ph.D. Nov. 5, 2015. Thesis: Planktic Foraminifera Extinctions and Delayed Biotic Recovery in the Late Maastrichtian-Early Danian: Link to Global Environmental Catastrophes?
- Ph.D. Hassan Khozyem**, co-advisor Ph.D. 2013. The Paleocene-Eocene Thermal Maximum: Geochemistry of shallow marine to terrestrial sequences.
- Ph.D Brian Gertsch** (principle advisor) Ph.D. 2010, Thesis: Biostratigraphy, Paleoenvironment and Geochemistry of the late Cenomanian Oceanic Anoxic

- Event 2 and the Cretaceous/Tertiary Boundary. Currently postdoc at MIT
- Ph.D. Markus Harting** (co-advisor with Doris Stueben) Univ. of Karlsruhe, Germany, Ph.D. 2004. Thesis: Zum Kreide/Tertiär-Übergang in NE-Mexiko: Geochemische Charakterisierung der Chicxulub-Impaktejekta.
- Ph.D. Markus Meudt** (co-advisor with Doris Stueben) Univ. of Karlsruhe, Germany, Ph.D. 2004. Geochemie der Foraminiferenschalen: Relevanz für die Rekonstruktion von Paläoumweltbedingungen.
- Ph.D. Sigal Abramovich** (principal advisor) Ph.D. (2002). Thesis: Paleoecology and paleoenvironment of Maastrichtian planktic foraminifera. Currently Assist. Prof. at the Univ. of Ben Gurion, Beer Sheva, Israel.
- Ph.D. Marie-Pierre Bolle** (co-advisor with Thierry Adatte) University of Neuchatel, Switzerland. (Ph.D. 2000). Thesis: Climatic and Environmental changes in the Tethys region during the late Paleocene thermal maximum.
- Ph.D. Alfonso Pardo** (principal advisor), Ph.D. (1999). Thesis: The Cretaceous-Tertiary and Paleocene-Eocene environmental events. Currently at University of Zaragoza, Zaragoza, Spain.
- Ph.D. Liangquan Li** (principal advisor), Ph.D. (1997). Thesis: The Maastrichtian: An integral multi-disciplinary approach to evaluating climate, sea level and biotic changes in the marine realm. Currently financial analyst at Citibank.
- Ph.D. J. G. Lopez-Oliva** (principal advisor), Ph.D. Jan. 1996. Thesis: Stratigraphy of the Cretaceous-Tertiary (K-T) boundary transition in Northeastern and east-central Mexico. Currently Professor at the University of Nuevo Leon, Linares, Mexico.
- Ph.D. Gangyi Lu** (principal advisor) Ph.D. (1994). Thesis: Paleocene-Eocene transitional events in the ocean: Faunal and isotopic analyses of planktic foraminifera. Currently financial analyst at UBS Bank, NY
- Ph.D. Inaki Canudo** (co-advisor with E. Molina) Univ. of Zaragoza, Ph.D. (1990). Thesis: Planktonic Foraminifera of the Paleocene-Eocene of the Pyrenees and their comparison With the Betic Cordillera. Currently at the University of Zaragoza. Spain.
- Ph.D. Steve D'Hondt** (principal advisor) Ph.D. 1989/ Thesis: Environmental change and the planktic foraminiferal response to the K/T boundary event. Currently Professor at the Graduate School of Oceanography at the Univ. of Rhode Island.
- Ph.D. R.J. Murnane** (co-advisor with A. Fischer), Ph.D. 1988. Thesis: Opal Ge/Si and the Germanium Geochemical Cycle. Currently, Washington DC, Risk Management Office.
- Ph.D. Matthias Lindinger** (co-advisor with K. Hsu) ETH, Zurich, Ph.D. 1988. Thesis: The K/T boundaries of El Kef and Caravaca, sedimentological, geochemical and clay mineralogical aspects. Current position unknown.
- Ph.D. Tim Herbert** (co-advisor with Al Fischer) Ph.D. 1987. Thesis: Eccentricity and Precessional orbital Periodicities in a mid-Cretaceous deep-sea sequence: Identification and application to quantitative Paleoclimatology Currently Professor at Brown University, Rhode Island.

Post-Doctoral Fellows

Norman MacLeod, 1989-1993, currently NHM London

Nieves Ortiz, 1993-1995
 Concha Gonzalez, 1995, Univ. Zaragoza, Spain
 Gangyi Lu, 1996-1997, Financial analyst, UBS, NY
 Liangquan Li, 1997-1998, Financial analyst, Citi Bank, NY
 Abdel Tantawy, 2004, South Valley University, Egypt
 Ahmed El Sabbagh, 2009 Rhode Scholar, Univ. Alexandria, Egypt
 Nallamuthu Malarkodi, Univ. of Bangalore, India

SUPERVISION OF UNDERGRADUATES

SENIOR THESIS

James T. Shiroma, 1986. Stratigraphy of the Paleogene San Juan Accretionary Prism, Dominican Republic.
Cathleen A. Ryan, 1987. Cadmium, Nickel, Manganese and Strontium in the benthic Foraminifer *Anomalinoidea acuta* across the Cretaceous/Tertiary Boundary, El Kef, Tunisia.
Carleton, D. Perry, 1988. Faunal Turnover and diversity Patterns of Planktic Foraminifera across the Cretaceous/Tertiary Boundary at the Ben Gurion, Section, Negev, Israel.
Mark Carpenter, 1988. A quantitative analysis of Benthic Foraminifera from the lower Paleocene in the Negev Desert, Israel.
Will Clyde, 1989-1990. Dwarfing of benthic Foraminifera across the K/T boundary.
Christine Schluter, 1991-92. Paleoecologic changes in the Danian Fauna of Denmark.
Josh Steinberg, 1995-96. K-T breccias of Guatemala.
David Acevedo, 1996-97. The nature of dinosaur eggs
A. J. Ortega, 1997. Niche reconstruction of an extinct South American mammal
Joshua Krantz, 1997. Examining the monsoon and El Niño
Terry McCloskey, SR, Fall-Spring 2002-2003 – Paleotempestology of Belize
Sarah Brownlee, SR, Fall-Spring 2002-2003 - Late Holocene climate of Hudson Estuary
Yinan Yang, SR, Fall-Spring 2004-2005 – Trilobite Paleoecology of Morocco.
David Bartels, SR, Fall-Spring 2005-2006. Cenomanian-Turonian Anoxic Event.
Willhelm Reinhardt, SR, Fall-Spring 2005-2006, Cenomanian-Turonian environments in Brazil.
Christian Miliam, ST, 2008-09. Maastrichtian to Paleocene paleoenvironment in NE Brazil.
Raymond C. Lagomarsino ST (2008-09) Evaluating the Haynesville Black Shale Resource.
Carl Hamming, ST (2009-10) Environmental Effects of Volcanism.
Conor Myhrvold, ST (2009-2010) Antipodal Effects of Chicxulub impact.
Emily Trost, 2011-2012. Benthic species dwarfing: causes and stress conditions at KTB time.
Martin Wolf, 2013-2014. Ocean acidification experiment on Foraminifera.
Hannah Tandy, 2017-2018. Climate change PETM & Anthropocene

JUNIOR THESIS

James T. Shiroma, 1985. Planktic Foraminiferal analysis of the Dominican Republic.

Cathleen Ryan, 1986. Carbonate Analysis of DSDP Site 612 across a microtektite layer.

Mark Carpenter, 1987. Geochemical analysis (Cd, Ni, Mn, Sr, Ca) benthic Foraminifera at the K/T boundary in Texas.

Carl Perry, 1987. Carbonate Stratigraphy of K/T boundary sections DSDP Site 528, and Brazos River, Texas.

Norman Alligar, 1988. Compositional Analysis of Micro-Particles found near the K/T Boundary Brazos River Region, Texas, Negev Desert, Israel.

Will Clyde, 1988. Paleontologic Analysis of fossil fish remains.

Craig Sovka, 1991. Archeologic, paleontologic and climate evidence of environmental changes in Peru about 5000 years ago.

Christin Schluter, 1991. Archeologic, paleontologic and climatic evidence of environmental changes in the Sahara about 5000 years ago.

Jena MacLean, 1992. Morphometric analysis of dwarfing in Foraminifera across the Cretaceous-Tertiary Boundary.

Michael Mills, 1992, Silurian Fish in Bloomsburg Formation

Jenifer Heisinger, 1992, Ar/Ar dating of K/T bentonite layers.

Steven Andrews, JP, Fall 2002

Jessica Garvin, Identification of microfossils from the Judith River Locality, Park County, Wyoming, JP Spring 2003

Maia Schweizer, Investigation of fossil ecosystem (Enspel and Messel, Germany) using stable isotope analysis, SEM and EDX, JP Spring 2003.

Yinan Yang, JP: Fall-Spring 2003-2004 – Chicxulub impact and the KT mass extinction

Willhelm Reinhardt, JP Fall-Spring 2004-2005. Brazos River, KT paleoenvironment.

David Bartels, JP Fall-Spring, 2004-2005, KT impact at Brazos River.

Ellen Zucherman, JP Fall 2005. Chicxulub impact and KT mass extinction

Erik Keselica, JP Fall 2005. Diatoms: commercial applications

Natasha Lavdovsky, JP 2007. The K-T event of Blake Nose, Atlantic Ocean

Carl Hamming, JP Fall 2008-09. Maastrichtian climate and the dinosaur extinction.

Connor Myhrvold, JP (2008-09) Modeling the impact-volcanism connection.

Emily Trost, 2010-2011. High-stress environmental conditions.

Martin Wolf, 2013. JP Ocean acidification experiment on Foraminifera.

Sophia Myers, 2014. Potential impact of Deccan volcanism and ocean acidification on benthic foraminifera

Anteneh Sarbanes, 2014. Stress influx on early Danian Climate

Maricela Coronado, 2015. The last 100,000 years of the Cretaceous

Hannah Tandy, 2017. Climatic and Faunal Changes Associated with Deccan Volcanism

PUBLISHED ARTICLES

- (1) 1978 **Keller, G.**, 1978. Late Neogene biostratigraphy and paleoceanography of DSDP Site 310 Central North Pacific and correlation with the southwest Pacific: *Marine Micropaleontology*, v. 3, p. 97-119.
- (2) 1978 **Keller, G.**, 1978. Late Neogene paleoceanography and planktonic foraminiferal datum levels of mid latitudes of the North Pacific (abstract), in *Correlation of tropical through high latitude marine Neogene deposits of the Pacific Basin: International Correlation Programme, Project 114*, Stanford, CA, p. 28-29.
- (3) 1978 **Keller, G.**, 1978. Late Neogene planktonic foraminiferal biostratigraphy and paleoceanography of the Northeastern Pacific: Evidence from Sites 173 and 310 at the North Pacific Front: *Journal for Foraminiferal Research*, v. 8, no. 4, p. 332-349.
- (4) 1978 **Keller, G.**, 1978. Morphologic variations of *Neogloboquadrina pachyderma* (Ehrenberg) in sediments of the marginal and central Northeast Pacific Ocean and paleoclimatic interpretation: *Journal of Foraminiferal Research*, v. 8, no. 3, p. 208-224.
- (5) 1978 **Keller, G.**, 1978. Planktonic foraminiferal biostratigraphy and paleoceanography of the North Pacific DSDP Sites 173, 310, and 296: Ph.D. Dissertation, Stanford University, Stanford, CA.
- (6) 1979 **Keller, G.**, 1979. Early Pliocene to Pleistocene planktonic foraminiferal datum levels in the North Pacific DSDP Sites 173, 310, and 296: *Marine Micropaleontology*, v. 4, p. 281-294.
- (7) 1979 **Keller, G.**, 1979. Late Neogene paleoceanography of the North Pacific DSDP Sites 173, 310, and 296: *Marine Micropaleontology*, v. 4, p. 159-172.
- (8) 1979 **Keller, G.**, 1979. Late Neogene planktonic foraminiferal biostratigraphy and paleoceanography of the Northwest Pacific DSDP Site 296: *Palaeogeography, Palaeoclimatology, Paleoecology*, v. 27, p. 129-154.
- (9) 1980 **Keller, G.**, 1980. Benthic foraminifera and paleobathymetry of the Japan Trench Area, Deep Sea Drilling Project, Leg. 57: *Initial Reports, Deep Sea Drilling Project*, v. 57, p. 835-865.
- (10) 1980 **Keller, G.**, 1980. Early to Middle Miocene planktic foraminiferal datum levels of the equatorial and subtropical Pacific: *Micropaleontology*, v. 26, no. 4, p. 372-391.
- (11) 1980 **Keller, G.**, 1980. Middle to Late Miocene planktic foraminiferal datum levels and paleoceanography of the north and southeastern Pacific Ocean: *Marine Micropaleontology*, v. 5, p. 249-281.

- (12) 1980 **Keller, G.**, 1980. Planktonic foraminiferal biostratigraphy and paleoceanography of the Japan Trench, Deep Sea Drilling Project, Leg. 57: Initial Reports, Deep Sea Drilling Project, v. 57, p. 809-834.
- (13) 1980 Ingle, J.C., Jr. and **Keller, G.**, 1980. Benthic foraminiferal biofacies of the eastern Pacific margin between 40°S and 32°N, in Quaternary depositional environments of the Pacific coast: Pacific Coast Paleogeography Symposium 4, Society of Economic Paleontologists and Mineralogists, Los Angeles, CA, 1980, p. 341-355.
- (14) 1980 **Keller, G.**, and Poore, R.Z., 1980. *Globigerinoides kennetti*: a new Late Miocene species from the Atlantic and Pacific oceans: *Micropaleontology*, v. 26, no. 2, p. 189-193.
- (15) 1980 von Huene, R.E., **Keller, G.** and others, 1980. Sites 438 and 439: Japan deep sea terrace, Leg 57: Initial Reports, Deep Sea Drilling Project, v. 56 and 57, p. 23-191, 20 figures, 4 tables.
- (16) 1980 von Huene, R.E., **Keller, G.** and others, 1980. Site 440: Japan Trench mid-slope terrace, Leg 57: Initial Reports, Deep Sea Drilling Project, v. 56 and 57, p. 225-317, 11 figures, 2 tables.
- (17) 1980 von Huene, R.E., **Keller, G.** and others, 1980. Site 441: Japan Trench lower slope, Leg 57: Initial Reports, Deep Sea Drilling Project, v. 56 and 57, p. 319-354, 13 figures, 2 tables.
- (18) 1980 Ingle, J.C., Jr., **Keller, G.** and Kolpack, R., 1980. Benthic foraminiferal biofacies and water-mass properties, Southern Peru-Chile Trench Area: *Micropaleontology*, v. 26, no. 2, p. 113-150.
- (19) 1980 Barron, J.A., Harper, E.H., **Keller, G.**, Reynolds, R.A., Sakai, T., Shaffer, B.L. and Thompson, R.P., 1980. Biostratigraphic summary, DSDP Leg 57, Japan Trench Transect: Initial Reports, Deep Sea Drilling Project, v. 57, p. 505-519.
- (20) 1981 **Keller, G.**, 1981. Miocene biochronology and paleoceanography of the North Pacific: CENOP Symposium Volume, marine *Micropaleontology*, 6: 535-551.
- (21) 1981 **Keller, G.**, 1981. Origin and evolution of the genus *Globigerinoides* in the Early Miocene of the northwestern Pacific, Site 292: *Micropaleontology*, 27(3): 293-304.
- (22) 1981 **Keller, G.**, 1981. Planktic foraminiferal biostratigraphy of the equatorial Pacific suggests Early Miocene origin of present-day oceanic circulation: *Marine Micropaleontology*, v. 6, p. 269-295.
- (23) 1981 **Keller, G.**, 1981. The genus *Globorotalia* in the Early Miocene of the equatorial and northwestern Pacific: *Journal of Foraminiferal Research*, v. 11, no. 2, p. 118-132.

- (24) 1981 **Keller, G.**, and Barron, J.A., 1981. Integrated planktic foraminiferal and diatom biochronology for the northeast Pacific and the Monterey Formation, in *The Monterey Formation and related siliceous rocks of California: Pacific Section, Society of Economic Paleontologists and Mineralogists*, p. 43-54.
- (25) 1981 **Keller, G.** and Ingle, J.C., Jr., 1981. Planktonic foraminiferal biostratigraphy, paleoceanographic implications, and deep sea correlation of the Plio- Pleistocene Centerville Beach section, Northern California: *Geological Society of America Special paper* 181, p. 127-135.
- (26) 1981 Savin, S., Douglas, W., **Keller, G.**, Killingly, S., Sommer, V. and Woodruff, F., 1981. Miocene benthic foraminiferal isotope records: A synthesis: *CENOP Symposium Volume, Marine Micropaleontology* 6: 423-450.
- (27) 1982 **Keller, G.**, Barron, J.A. and Burckle, L.H., 1982. North Pacific Late Miocene Correlations using microfossils, stable isotopes, percent CaCO₃, and magnetostratigraphy: *Marine Micropaleontology*, 7: 327-357.
- (28) 1982 Barron, J. and **Keller, G.**, 1982. Widespread Miocene deep-sea hiatuses: Coincidence with periods of global cooling, *Geology*, 10: 577-581.
- (29) 1983 **Keller, G.** and Barron, J.A., 1983. Paleocceanographic implications of Miocene deep-sea hiatuses, *Geol. Soc. of America Bull.*, 94(5): 1-30.
- (30) 1983 Barron, J.A. and **Keller, G.**, 1983. Paleoclimatic oscillations in the middle to late Miocene of the northeastern Pacific: *Micropaleontology*, 29(2): 150-181.
- (31) 1983 **Keller, G.**, 1983. Biochronology and paleoclimatic implications of middle Eocene to Oligocene planktonic foraminiferal faunas. *Marine Micropaleontology*, 7: 463-486.
- (32) 1983 **Keller, G.**, D'Hondt, S.L. and Vallier, T.L., 1983. Multiple microtectite horizons in upper Eocene marine sediments: no evidence for mass extinctions, *Science*, 221: 150-152.
- (33) 1983 **Keller, G.**, 1983. Paleoclimatic analysis of middle Eocene through Oligocene planktonic foraminiferal faunas. *Paleogeogr., Paleoclimatol., Paleoecol.*, 43: 73-94.
- (34) 1983 Keigwin, L.D. and **Keller, G.**, 1983. Middle Oligocene cooling from equatorial Pacific DSDP Site 77B, *Geology*, 12(1): 16-20.
- (35) 1984 **Keller, G.**, 1983. The Paleogene/Neogene Boundary in the equatorial Pacific Ocean. In: Gelati, R. & Steininger, F.F., eds., *Rivista Italiana di Paleontologia e stratigrafia*, 89(4): 529-545.
- (36) 1984 **Keller, G.**, von Huene, R.E., McDougall, K. and Bruns, T.R., 1984. Paleoclimatic evidence for Cenozoic migration of Alaskan terranes, *Tectonics*, 3(4): 473-495.

- (37) 1984 **Keller, G.**, 1984. Multiple Microtektite Horizons in upper Eocene marine sediments? -- Reply. *Science*, 224, 309-310.
- (38) 1984 K. Bruns, T.R. and **Keller, G.**, 1984. Model for the origin of the Yakutat block, an accreting terrane in the northern Gulf of Alaska -- Reply, *Geology*, 12(9): 565-567.
- (39) 1984 Bruns, T.R., von Huene, R., Carlson, P.R. and **Keller, G.**, 1984. The Eastern Gulf of Alaska Transcurrent Plate Boundary and the Migration of Terranes. *Ann. Soc. Geol. Nord de France*, C 111, 325-331.
- (40) 1984 Corliss, B.H., Aubry, M.P., Berggren, W.A., Fenner, J.M., Keigwin, L.D. and **Keller, G.**, 1984. The Eocene/Oligocene Event in the Deep Sea Science, 226(4676): 806-810.
- (41) 1985 **Keller, G.**, 1985. Eocene and Oligocene stratigraphy and erosional unconformities in the Gulf of Mexico and Gulf Coast. *Jour. Paleo.* v. 59(4): 882-903.
- (42) 1985 **Keller, G.**, 1985. Depth stratification of planktonic foraminifers in the Miocene ocean. *Geol. Soc. America, Memoir* 163, p. 177-197.
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- 2010 Press release EUG – Volcanoes and mass extinctions
- 2011 Press release Princeton University: Mass extinction linked to Deccan Volcanism
- 2012 AGU organized Press Conference (Dec. 15) based on our presentations on India's Deccan volcanism and the KT mass extinctions.
- 2012 NSF sponsored press conference on Dec. 17. Articles appeared in many newspapers and magazines including Nature, Science News, Der Spiegel, San Francisco Chronicle, Fox News, BBC.
- 2013 International Conference on Volcanism, Impacts and Mass Extinctions: Causes and Effects, London march 27-29, 2013. Co-organizer.
- 2014 GSA sponsored Press Conference (Oct. 2014)
- GSA Annual Meeting, Vancouver Oct. 19-22, 2014. Co-organizer of the Pardee Symposium and Technical Session 206 on Mass Extinctions: Volcanism, impacts and catastrophic environmental change.

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- 2005 TV Interview (& DVD) with Alexander Kluge: *“Der Mega-Einschlag und die Dinosaurier – Gerta Keller ueber das Massensterben vor 65 millionen Jahren”*,
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