

CURRICULUM VITA William W. Sager

BIRTHDATE: August 22, 1954, Washington, DC**EDUCATION:**

Ph.D., 1983, Marine Geophysics, University of Hawaii, Honolulu, Hawaii
 Title: "Seamount Paleomagnetism and Pacific Plate Tectonics"
 M.S., 1979, Geology and Geophysics, University of Hawaii, Honolulu, Hawaii
 Title: "The Structure of the Mariana Arc as Inferred from Gravity and Seismic Data"
 B.S., 1976, Physics (Magna Cum Laude), Duke University, Durham, North Carolina

RESEARCH INTERESTS:

Plate tectonics, Tectonic reference frames, Paleomagnetism, Environmental magnetism,
 Magnetostratigraphy and the magnetic polarity reversal time scale, Pleistocene-Holocene sea level
 variations, High-resolution geophysical methods, Magnetic and gravity field interpretation.

PROFESSIONAL EXPERIENCE:

1976-1983: Research Assistant, Hawaii Institute of Geophysics
 1983-1989: Assistant Professor of Oceanography, Texas A&M University
 1989-1995: Associate Professor of Oceanography (tenured), Texas A&M University
 1995-2012: Professor of Oceanography, Texas A&M University
 2013-present Professor, Earth and Atmospheric Sciences, University of Houston

HONORS AND AWARDS:

Nominated for Association of Former Students Distinguished Teaching Award, 1989
 Jane and R. Ken Williams '45 Chair in Ocean Drilling Science, Technology & Education 2003-2012
 College of Geosciences Distinguished Achievement Award for Research, 2003
 Association of Former Students Distinguished Achievement Award for Research, 2009

FIELD EXPERIENCE:Cruises

1977	Participant	KK770815	R/V Kana Keoki
1979	Participant	KK79080801	R/V Kana Keoki
1979	Participant	KK79080802	R/V Kana Keoki
1979	Participant	KK791029	R/V Kana Keoki
1980	Chief Scientist	KK800715	R/V Kana Keoki
1981	Participant	KK81062602	R/V Kana Keoki
1982	Participant	Pegas 82-2	R/V Pegas (USSR)
1985	Chief Scientist	85-G-4	R/V Gyre
1985	Participant	ODP Leg 101	D/V Resolution
1987	Participant	A118L11	R/V Atlantis II
1987	Participant	ODP Leg 116	D/V Resolution
1987	Chief Scientist	87-G-3	R/V Gyre
1988	Chief Scientist	88MMSG1A	R/V Tommy Munro
1988	Chief Scientist	88MMSG2	R/V Tommy Munro
1988	Chief Scientist	88MMSG2A	R/V Tommy Munro
1988	Participant	RNDB10WT	R/V Thomas Washington
1990	Participant	A125L4	R/V Atlantis II
1990-1991	Participant	ODP Leg 135	D/V Resolution
1991	Co-chief Scientist	91L575A	R/V Longhorn
1992	Co-chief Scientist	TUNE08WT	R/V Thomas Washington
1992	Co-chief Scientist	ODP Leg 143	D/V JOIDES Resolution
1992	Co-chief Scientist	92G14	R/V Gyre

FIELD EXPERIENCE (con't.):

1993	Scientist	NR1-G93B	Submarine NR-1
1993	Scientist	GOM93-1	R/V Seward Johnson DSRV Johnson Sea-Link
1994	Chief Scientist	TN037	R/V Thomas G. Thompson
1995	Participant	GOM95-5	R/V Edwin Link DSRV Johnson Sea-Link
1996	Chief Scientist	96-3620	M/V Ocean Surveyor
1997	Participant	97-MMS-1	R/V Tommy Munro
1997	Chief Scientist	97-G-4	R/V Gyre
1998	Participant	Seeps98	Submarine NR-1
1999	Participant	AVON02MV	R/V Melville
2000	Co-chief Scientist	ODP Leg 191	D/V JOIDES Resolution
2000	Participant	Cruise 58 Leg 3	R/V Atlantis, DSV Alvin
2001	Participant	ODP Leg 198	D/V JOIDES Resolution
2002	Chief Scientist	GOM-02	Submarine NR-1
2002-2003	Co-chief Scientist	TTN152	R/V Thomas G. Thompson
2004	Participant	IODP Expedition 301	D/V JOIDES Resolution
2007	Chief Scientist	KNOX06RR	R/V Roger Revelle
2009	Co-chief Scientist	IODP Expedition 324	D/V JOIDES Resolution
2010	Co-chief Scientist	MGL1004	R/V Marcus G. Langseth
2012	Co-chief Scientist	MV1203	R/V Melville
2014	Participant	IODP Expedition 352	D/V JOIDES Resolution
2015	Chief Scientist	FK151005	R/V Falkor

Other

1977-1980	Scuba diver for ocean bottom equipment tests
1977-1980	Field technician with Maui laser surveying team
1983	Archeomagnetic field work, Kahoolawe Island, Hawaii
1986	Paleomagnetic field work, Paisano Volcano, west Texas
1989	Paleomagnetic field work, Alpine, west Texas
1990	Paleomagnetic field work, Big Bend State Natural Area, west Texas
1993	Paleomagnetic field work, Chihuahua, Mexico
1995	Coring in Galveston Bay, R/V Lone Star
1996	Coring in Galveston Bay, R/V Roamin Empire
2002	Side-scan sonar surveys, Galveston Bay
2003	Side-scan sonar surveys, Galveston Bay
2003	Side-scan sonar surveys, Lavaca Bay, Galveston Bay
2003	Coring and grab sampling, Galveston Bay
2014	Geophysical Field Camp, Galveston Bay
2015	Geophysical Field Camp, Galveston Bay
2016	Geophysical Field Camp, Galveston Bay

PROFESSIONAL SOCIETIES:

Society of Exploration Geophysicists, 1977-Present
 American Geophysical Union, 1979-Present
 Geological Society of America, 1985-Present
 American Meteor Society, 1980-Present
 American Association of Petroleum Geologists, 1998-present

SERVICE:*Student-related:*

Section Advisor/Coordinator for Geological/Geophysical Section of the Department of Oceanography, 1984-1985
 Chairman of International Science and Engineering Fair Committee; Society of Exploration Geophysicists, 1985-1989
 Advisor for Oceanography Graduate student Council (OGC), 1994-2002; 2009-present

SERVICE (con't.):

Mentor program (student counseling) 1985-present
Geological student advisor/coordinator 2002-2006

Session and symposium convenor:

Session Chairman for Texas A&M Geodynamics Symposium, 1985, 1986, 1987, 1988, 1990
Co-Convener of Eighth Annual Texas A&M Geodynamics Symposium, "Mesozoic and Cenozoic Plate Reconstructions", 1986
Co-Convener of Tenth Annual Texas A&M Geodynamics Symposium, "Paleomagnetic Constraints on Crustal Motions", 1988
Co-Convener of ODP-JOI-USSAC Workshop, "Plate Tectonic Reference Frames", 1988
Session Co-chair, AGU Fall Meeting, 1990; sessions O11, V01
Session chair, VA41A, Origin of Large Igneous Provinces, XXI General Assembly, International Union of Geodesy and Geophysics, Boulder, CO, 6 July, 1995.
Session chair, GP22C, GP22C, Paleomagnetic Objectives for Post-2003 ODP Drilling, Fall AGU Meeting, San Francisco, December 8, 1998.
Workshop Convenor & Host: "Requirements for Robotic Underwater Drills in U.S. Marine Geologic Research," 3-4 November 2000, College Station, TX.
Session Chair, MG16, ODP Contributions to Paleomagnetism, EGS-AGU spring meeting, Nice, France, 7 April 2003
Session Chair, Geological Society of America, South Central Regional Meeting, Bays and Estuaries of the northern Gulf of Mexico, San Antonio, TX, 1-2 April 2005.
Session Chair, Session T53G, Research Advances on the Geologic, Tectonic, and Geochemical Evolution of the Indian Ocean Seafloor and Its Margins II, Fall AGU Meeting, San Francisco, 19 December 2008.
Session Chair, Sessions O4c, Plumes, Mid-Ocean Ridges, and Plates: Examining their role and Interaction with Observations and Models; O4h, Isotopic Insights into the Earth's Evolution: A Tribute to George R. Tilton (1923-2010); Goldschmidt Conference, Prague, Czech Republic, 16 August 2011.
Session Chair, Sessions V51D (posters) and V54A (oral), Origin, Structure, and History of Oceanic Plateaus, AGU Fall meeting, 9 December 2011.

Administration:

Section Head, Geological Section, Department of Oceanography, 1996-1999
Interim Department Head, Department of Oceanography, January-April 1998
Co-chief Scientist for Ocean Drilling Program / Integrated Ocean Drilling Program cruise: Leg 143 (1992), Leg 191 (2000), Expedition 324 (2009)

Other:

Proposal Reviews for NSF, PRF, DOE, NASA, JOI/USSAC, CDRF
Manuscript Reviews for JGR, GRL, JGG, PAGEOPH, Tectonophysics, Geophysics, NZJGG, Proceedings of the Ocean Drilling Program, EOS Transactions of the AGU, Geophysical Journal International, Marine Geophysical Researches, Geophysics, Geochemistry, and Geosystems
Book Reviews for Journal of Geological Education, 1995
Question formulator and reviewer for GRE Geology Examination, 1998
NSF MGG proposal review panel, 2011

COMMITTEES:

Texas A&M University:

Member, Oceanography Student Affairs Committee, 1984-1985
Member, College of Geosciences Curriculum Committee, 1988-1989
Member, College of Geosciences Computer Committee, 1988-1989, 1999-2000
Member, Ships and Marine Operations Committee, 1992-1994
Member, College of Geosciences Faculty Advisory Committee, 1993-1996
Chair, 1994-1995; Secretary, 1995-1996
Member, Oceanography Department Head Search Committee - 1993, 1994
Member, Oceanography Computer Committee, 1984-1993; Chair, 1989-1992

COMMITTEES (con't.):

Member, TAMU Board on the Reorganization of Solid Earth Sciences - 1993
 Member, TAMU Galveston Faculty Search Committee, 1994
 Member, Search committee for Director of the Ocean Drilling Program, 1994-1995
 Member, College Large Classroom Enhancement Committee – 1995
 Member, College Graduate Instruction and Curriculum Committee – 1995-present
 Member, Oceanography Senior Executive Committee – 1995-2000
 Department tenure review committees (various faculty)
 Member – 1996, 2000
 Chair – 1998, 2001
 Department faculty search committee, paleoclimate position – 1996
 Department search committee for Scherck Chair –1998
 Department search committee, marine geologist position (chair) – 2002
 Department search committee, paleoceanographer position - 2003
 Ocean Drilling Program Search Committee for Manager of Scientific Operations --1997
 Member, College Promotion and Tenure Committee – 1996-1997; 2000-2002; 2010-present
 Member, Department of Geology & Geophysics Head Search Committee – 1998
 Member, Oceanography Section Reorganization Committee –1998-1999
 Member, Oceanography Computer Committee, 2000-present
 Chair, Oceanography Marine Geologist Position Search committee, 2002
 Member, Chair, Oceanography Ship Committee, 2002-2003; 2005-2007
 Member, Oceanography Paleooceanographer Position Search committee, 2003
 Chair, Department Ship Acquisition Committee, 2005-present
 Chair, Department High-resolution Paleooceanographer search committee, 2005-2006
 Member, College ODASES (ocean drilling science) committee, 2003-present
 Member, Continental Margins faculty search committee, 2006-2007
 Member, Department Advisory and Budget Committee, 2006-2007
 Member, Research Committee, 2007-2009
 Member, Recruiting and Academic Advisory Committee, 2008-2010
 Member, Reflection Seismologist faculty search committee, 2010-2011
 Member, College of Geosciences Scholarship Committee, 2010-present
 Member, University AFS Teaching Award Review committee, 2010
 Member, Department of Oceanography Strategic Planning Committee, 2010-present
 Member, Department of Earth and Atmospheric Sciences Promotion and Tenure Committee, 2013-2015
 Chair, Geophysics faculty search committee, 2016-2017

National and International:

Member, JOIDES Sea Level Working Group (S-WG), 1990-1992
 Member, JOIDES Information Handling Panel, 1989-1992
 Member, JOIDES Planning Committee, 1992-1996
 Member, JOIDES Scientific Measurements Panel, 1996-1997
 Member, JOIDES Science Committee, 2001-2003
 Member, JOIDES US Science Advisory Committee for Scientific Ocean Drilling, 2005-2007
 Member, IODP-SAS Site Survey Panel: 2010-2012

ADMINISTRATION/MANAGEMENT COURSES:

Future Administrators Workshop, Texas A&M University, May 1996
 Basic Supervisory Skills, Texas A&M University, October 1998
 Communications Skills for Supervisors, Texas A&M University, June 1999
 How to Handle People with Tact and Skill, *Career Trak*, January 2000
 Dealing with Difficult People, Texas A&M University, April 2000

MEDIA RECOGNITION:

Research (Sager and Bleil, 1987, *Nature*) noted in *Science* Research News article "Tracking the Wandering Poles of Ancient Earth," 10 April 1987.

MEDIA RECOGNITION (con't.):

- Quoted in the 6 December 1996 issue of *Science* in a Research News article entitled "Did a Plate Tectonic Surge Flood Earth?" The article examined the hypothesis that rapid seafloor spreading during the Cretaceous may have been responsible for high sea levels, a long-held hypothesis challenged in an article in *Geology*.
- AAPG Explorer (the news magazine of the American Association of Petroleum Geologists) carried an article in its October 1998 issue about the TAMU side-scan sonar surveys of Louisiana slope oil seeps (Chemosynthetic Communities study), included were quotes from W. Sager.
- Profiled on educational CD-ROM entitled "Visit to an Ocean Planet" along with 15 other oceanographers; published by Jet Propulsion Laboratory, December 1998; purpose is to show relevance of ocean to students' daily lives.
- Articles about January 2000 *Science* article appeared in Associated Press, *San Francisco Chronicle*, and *Battalion*. Articles about this report appeared in *New Scientist* and *Bild der Wissenschaft*.
- Interviewed by 5 radio stations and the Canadian Broadcast Service.
- Presentation at May 2000 Offshore Technology Conference was mentioned and quoted in *Houston Chronicle* article on 4 May 2000.
- December 2001 article in *Science* about a new species of squid (discovered on Alvin dive in Gulf of Mexico) was reported by Associated Press and carried in many news papers around the nation and abroad; this information was also picked up on numerous web sites. It resulted in interviews on the *ABC Nightly News*, *NBC News*, *Discovery Canada*, and an interview with KBTX news in Bryan.
- Op-Ed column, *Houston Chronicle*, "The warning signs they didn't recognize" (about the Indian Ocean tsunami), January 16, 2005.
- Op-Ed column, *Houston Chronicle*, "Fingerprint of Global Warming," February 18, 2007.
- Article about IODP Expedition 324 in *Earth* magazine: "Studying a Rare Seafloor Supervolcano", July 2010.

EDITORSHIPS:

- Guest Editor: 1986 Texas A&M Geodynamics Symposium Special Issue, "Mesozoic and Cenozoic Plate Reconstructions", *Tectonophysics*, v. 155, no. 4, 1988.
- Guest Editor: 1988 Texas A&M Geodynamics Symposium Special Issue, "Paleomagnetic Constraints on Crustal Motions", *Tectonophysics*, v. 182, no. 3/4, 1990.
- Co-Editor: *Proceedings of the Ocean Drilling Program, Initial Reports*, v. 116, 1989.
Proceedings of the Ocean Drilling Program, Initial Reports, v. 143, 1993.
Proceedings of the Ocean Drilling Program, Scientific Results, v. 116, 1990.
Proceedings of the Ocean Drilling Program, Scientific Results, v. 143, 1995.
Proceedings of the Ocean Drilling Program, Initial Reports, v. 191, 2000.
Proceedings of the Ocean Drilling Program, Scientific Results, v. 191, 2001.
Proceedings of the Integrated Ocean Drilling Program, v. 324, 2010.
- Co-editor: AGU Geophysical Monograph Series, vol. 77, "The Mesozoic Pacific: Geology, Tectonics, and Volcanism", 1993.
- Associate Editor: *Journal of Geophysical Research, Solid-Earth* (vol. B, "red") 1992-1996.
- Co-editor: Special issue, American Association of Petroleum Geologists Bulletin, "High Resolution Geophysical Studies of Continental Margin Geohazards," June 2004.
- Co-editor: *Physics of the Earth and Planetary Science*, special issue, "ODP Contributions to Paleomagnetism," v. 156, June 2006.
- Editorial Board: *Geoscience Frontiers* (Elsevier/Ocean University China), 2010 – 2013
- Co-editor: GSA Special Publication, "The Origin, Evolution, and Environmental Impacts of Oceanic Large Igneous Provinces", Special Paper 511, Geological Society of America, 2015.

PUBLICATIONS, REFEREED: (*indicates student author)

1. Keating, B. and **W. Sager**, Watkins Seamount: Preliminary paleomagnetic results, *J. Geophys. Res.*, *85*, 3567-3571, 1980.
2. **Sager, W. W.**, Mariana arc structure inferred from gravity and seismic data, *J. Geophys. Res.*, *85*, 5382-5388, 1980.
3. **Sager, W. W.**, G. T. Davis, B. H. Keating, and J. Philpotts, A geophysical and geologic study of Nagata Seamount, northern Line Islands, *J. Geomagnet. Geoelectr.*, *34*, 283-305, 1982.
4. **Sager, W. W.**, An Eocene paleomagnetic pole for the Pacific Plate, *Earth Planet. Sci. Lett.*, *63*, 408-422, 1983.
5. Epp, D., **W. Sager**, F. Theyer, and S. Hammond, Hotspot/spin axis motion or far-sided effect?, *Nature*, *303*, 318-320, 1983.
6. **Sager, W. W.**, Paleomagnetism of Abbott Seamount and implications for the latitudinal drift of the Hawaiian hotspot, *J. Geophys. Res.*, *89*, 6271-6284, 1984.
7. **Sager, W. W.** and B. H. Keating, Paleomagnetism of Line Islands Seamounts: evidence for Late Cretaceous and Early Tertiary volcanism, *J. Geophys. Res.*, *89*, 11135-11151, 1984.
8. Schlanger, S. O., M. O. Garcia, B. H. Keating, J. J. Naughton, R. A. Duncan, **W. W. Sager**, J. A. Haggerty, and J. A. Philpotts, Geology and geochronology of the Line Islands, *J. Geophys. Res.*, *89*, 11261-11272, 1984.
9. **Sager, W. W.** and U. Bleil, Latitudinal shift of Pacific hotspots during the Late Cretaceous and Early Tertiary, *Nature*, *326*, 488-490, 1987.
10. **Sager, W. W.**, Late Eocene and Maastrichtian paleomagnetic poles for the Pacific plate: implications for the validity of seamount paleomagnetic poles, *Tectonophysics*, *144*, 301-314, 1987.
11. **Sager, W. W.** and M. S. Pringle, Paleomagnetic constraints on the origin and evolution of the Musicians and South Hawaiian seamounts, central Pacific Ocean, In *Seamounts, Islands, and Atolls*, AGU Geophysical Monograph Series, Vol. 43, B. Keating, P. Fryer, R. Batiza, and G. Boehlert, eds., pp. 133-162, American Geophysical Union, Washington, D. C., 1987.
12. **Sager, W. W.**, Paleomagnetism of ODP Leg 101 sediments: magnetostratigraphy, magnetic diagenesis, and paleolatitudes, *Proc. ODP Sci. Results*, *101*, 327-360, 1988.
13. Droxler, A. W., C. H. Bruce, W. W. Sager, and D. H. Watkins, Pliocene-Pleistocene variations in aragonite content and planktonic oxygen-isotope recorded in Bahamian periplatform ooze, Hole 633A, *Proc. ODP Sci. Results*, *101*, 221-244, 1988.
14. **Sager, W. W.** and M. S. Pringle, Mid-Cretaceous to early Tertiary apparent polar wander path of the Pacific plate, *J. Geophys. Res.*, *93*, 11,753-11,771, 1988.
15. **Sager, W. W.**, D. W. Handschumacher, T. W. C. Hilde, and D. R. Bracey, Tectonic evolution of the northern Pacific plate and Pacific-Farallon-Izanagi triple junction in the Late Jurassic and Early Cretaceous (M21-M10), *Tectonophysics*, *155*, 345-364, 1988.
16. Handschumacher, D. W., **W. W. Sager**, T. W. C. Hilde and D. R. Bracey, Pre-Cretaceous tectonic evolution of the Pacific plate and extension of the geomagnetic polarity reversal time scale with implications for the origin of the Jurassic 'Quiet Zone', *Tectonophysics*, *155*, 365-380, 1988.
17. Rubincam, D. P., B. F. Chao, K. H. Schatten, and **W. W. Sager**, Non-Newtonian gravity or gravity anomalies?, *Forum, EOS, Trans. AGU*, *69*, 1636, 1988.

PUBLICATIONS, REFEREED (con't.)

18. *Fullerton, L. G., **W. W. Sager**, and D. W. Handschumacher, Late Jurassic-Early Cretaceous evolution of the eastern Indian Ocean adjacent to northwest Australia, *J. Geophys. Res.*, 94, 2937-2953, 1989.
19. **Sager, W. W.** and S. W. *Singleton, Paleomagnetic inclination shallowing in sediments cored from a Gulf of Mexico salt diapir - an indicator of ancient sea level?, *Geology*, 17, 739-742, 1989.
20. Rezak, R., **W. W. Sager**, J. S. *Laswell, and S. R. Gittings, Seafloor features on the Mississippi-Alabama outer continental shelf, *Trans. Gulf Coast Assoc. Geol. Soc.*, 39, 511-514, 1989.
21. McNutt, M. K., E. L. Winterer, **W. W. Sager**, J. H. Natland, and G. Ito, The Darwin Rise: a Cretaceous superswell?, *Geophys. Res. Lett.*, 17, 1101-1104, 1990.
22. **Sager, W. W.** and S. A. Hall, Magnetic properties of black mud turbidites from ODP Leg 116, distal Bengal Fan, Indian Ocean, *Proc ODP, Sci. Results*, 116, 317-336, 1990.
23. Hall, S. A. and **W. W. Sager**, Paleomagnetic and rock magnetic properties of sediment samples from Ocean Drilling Program Leg 116, Central Indian Ocean, *Proc ODP, Sci Results*, 116, 337-344, 1990.
24. Brooks, J. M., D. A. Wiesenburg, H. Roberts, R. S. Carney, I. R. Macdonald, C. R. Fisher, N. L. Guinasso, Jr., **W. W. Sager**, S. J. McDonald, R. A. Burke, Jr., and T. J. Bright, Salt Seeps and Symbiosis in the Gulf of Mexico, *EOS, Trans. AGU*, 71, 1772-1773, 1990.
25. **Sager, W. W.** and M. S. Pringle, Paleomagnetic evidence of Cretaceous age for two seamounts on the south flank of the island of Hawaii, *Geophys. Res. Lett.*, 17, 2445-2448, 1990.
26. **Sager, W. W.**, Seamount age estimates from paleomagnetism and their implications for the history of volcanism on the Pacific plate, in *Geology and Offshore Mineral Resources of the Central Pacific Basin*, B. Keating and B. Bolton, eds., Circum-Pacific Council for Energy and Mineral Resources, Earth Science Series, vol. 14, Springer-Verlag, New York, p. 21-37, 1992.
27. **Sager, W. W.**, L. G. *Fullerton, R. T. Buffler, and D. W. Handschumacher, Argo Abyssal Plain magnetic lineations revisited: implications for the onset of seafloor spreading and tectonic history of the Eastern Indian Ocean, *Proc. ODP Sci. Res.*, 123, 659-669, 1992.
28. **Sager, W. W.**, W. W. Schroeder, J. S. *Laswell, K. S. *Davis, R. Rezak, and S. R. Gittings, Topographic features of the Mississippi-Alabama outer continental shelf and their implications for sea level fluctuations during the Late Pleistocene-Holocene transgression, *Geo-Marine Letters*, 12, 41-48, 1992.
29. Gittings, S. R., T. J. Bright, W. W. Schroeder, **W. W. Sager**, J. S. *Laswell, and R. Rezak, Biotic assemblages and ecological controls on topographic features in the northeast Gulf of Mexico, *Bulletin of Marine Science*, 50, 435-455, 1992.
30. MacLeod, C. J., L. M. Parson, **W. W. Sager** and the ODP Leg 135 Scientific Party, Identification of tectonic rotations in boreholes by the integration of core information with Formation Microscanner and borehole televiewer images, *Geological Applications of Wireline Logs II*, A. Hurst, C. M. Griffiths, and P. F. Worthington (Eds.), Special Publication No. 65, Geological Society of London, 235-246, 1992.
31. **Sager, W. W.**, C. A. *Mortera-Gutierrez, and J. Urrutia-Fucugauchi, Paleomagnetic evidence of Tertiary tectonic rotation in west Texas, *Geology*, 20, 935-938, 1992.
32. Larson, R. L. and **W. W. Sager**, Skewness of magnetic anomalies M0 to M29 in the northwestern Pacific, *Proc. ODP, Sci. Res.*, 129, 471-481, 1992.
33. **Sager, W. W.**, and H.-C. *Han, Rapid formation of Shatsky Rise oceanic plateau inferred from its magnetic anomaly, *Nature*, 364, 610-613, 1993.

PUBLICATIONS, REFEREED (con't.)

34. **Sager, W. W.**, R. A. Duncan, and D. W. Handschumacher, Paleomagnetism of the Japanese and Marcus-Wake seamounts, western Pacific Ocean, in *The Mesozoic Pacific: Geology, Tectonics, and Volcanism*, M. S. Pringle, W. W. Sager, S. Stein, eds., Geophys. Mongr. Series v. 77, AGU, Washington, D. C., 401-435, 1993.
35. Winterer, E. L., R. A. Duncan, M. K. McNutt, J. H. Natland, I. Premoli-Silva, **W. W. Sager**, W. V. Sliter, R. Van Waasbergen, and C. J. Wolfe, Cretaceous guyots in the northwest Pacific: an overview of their geology and geophysics, in *The Mesozoic Pacific*, M. S. Pringle, W. W. Sager, S. Stein, eds., Geophys. Mongr. Series, AGU, Washington, D. C., 307-334, 1993.
36. **Sager, W. W.**, E. L. Polgreen*, and F. R. Rack, Magnetic polarity reversal stratigraphy of ODP Hole 810C, Shatsky Rise, western Pacific Ocean, *Proc. ODP, Sci. Res.*, 132, 47-55, 1993.
37. *Polgreen, E. L., **W. W. Sager**, F. R. Rack, and R. J. van Waasbergen, Magnetic properties of Plio-Pleistocene sediments from Hole 810C, Shatsky Rise, and implications for the origin and correlatability of magnetic susceptibility variations, *Proc. ODP, Sci. Res.*, 132, 37-45, 1993.
38. Baudin, F., H. Arnaud, **W. W. Sager**, E. L. Winterer, J. Firth, P. E. Baker, T. Bralower, P. Castillo, P. Cooper, P. G. Flood, X. Golovchenko, Y. Iryu, M. Ivanov, H. C. Jenkyns, J. A. M. Kenter, I. O. Murdmaa, J. Mutterlose, Y. Nogi, C. K. Paull, E. Polgreen, U. Rohl, W. V. Sliter, A. Strasser, N. H. M. Swinburne, J. A. Tarduno, and R. Van Waasbergen, Northwest Pacific atolls and guyots – ODP Leg 143 Preliminary Results, *Comptes Rendus de L'Academie des Sciences, Serie II*, 316, 505-511.
39. Chaproniere, G. C. H., M. J. Styzen, **W. W. Sager**, H. Nishi, P. J. Quintero, and N. Abrahamsen, Late Neogene biostratigraphic and magnetostratigraphic synthesis, Leg 135, *Proc. ODP, Sci. Res.*, 135, 857-877, 1994.
40. **Sager, W. W.**, C. J. MacLeod, and N. Abrahamsen, Paleomagnetic constraints on Tonga Arc tectonic rotation from sediments drilled at Sites 840 and 841, Ocean Drilling Program Leg 135, *Proc. ODP, Sci. Res.*, 135, 763-783, 1994.
41. Abrahamsen, N. and **W. W. Sager**, Cobb Mountain geomagnetic polarity event and transitions in three deep-sea sediment cores from the Lau Basin, ODP Leg 135, *Proc. ODP, Sci. Res.*, 135, 737-762, 1994.
42. Abrahamsen, N., and **W. W. Sager**, Magnetic properties of basalts and sediments from the Lau Basin, ODP Leg 135, *Proc. ODP, Sci. Res.*, 135, 717-735, 1994.
43. MacLeod, C. J., L. M. Parson, and **W. W. Sager**, Reorientation of core using the formation microscanner and borehole televiewer: application to structural and paleomagnetic studies with the Ocean Drilling Program, *Proc. ODP, Sci. Res.*, 135, 301-311, 1994.
44. *Laswell, J. S., W. W. Schroeder, and **W. W. Sager**, Seafloor acoustic backscatter on the Mississippi-Alabama outer continental shelf, *Trans. Gulf Coast Assoc. Geol. Soc.*, 44, 373-379, 1994.
45. **Sager, W. W.**, Structural implications of gravity anomalies, Resolution and Heezen guyots, Mid-Pacific Mountains, *Proc. ODP, Sci. Res.*, 143, 419-429, 1995.
46. **Sager, W. W.**, J. A. Tarduno, and C. J. MacLeod, Paleomagnetism of Cretaceous sediments, ODP Hole 869B, western Pacific Ocean: magnetic polarity, paleolatitude, and a paleomagnetic pole, *Proc. ODP, Sci. Res.*, 143, 405-418, 1995.
47. **Sager, W. W.**, and J. A. Tarduno, Paleolatitude inferred from Cretaceous sediments, Hole 865A, Allison Guyot, west central Pacific Ocean, *Proc. ODP, Sci. Res.*, 143, 399-403, 1995.
48. Tarduno, J. A., **W. W. Sager**, and Y. Nogi, Early Cretaceous magnetostratigraphy and paleolatitudes from the Mid-Pacific Mountains: preliminary results bearing on guyot formation and Pacific plate tectonics, *Proc. ODP, Sci. Res.*, 143, 395-398, 1995.

PUBLICATIONS, REFEREED (con't.)

49. Nogi, Y., J. A. Tarduno, and **W. W. Sager**, Magnetization of seamount-derived sediments from Site 869 inferred from downhole magnetometer logs, *Proc. ODP, Sci. Res.*, 143, 373-379, 1995.
50. Nogi, Y., J. A. Tarduno, and **W. W. Sager**, Inferences on the nature and origin of basalt sequences from the Cretaceous Mid-Pacific Mountains (Sites 865 and 866) as deduced from downhole magnetometer logs, *Proc. ODP, Sci. Res.*, 143, 381-388, 1995.
51. Nogi, Y., J. A. Tarduno, and **W. W. Sager**, Magnetic field variations recorded from drill pipe at Site 865 and implications for paleomagnetic studies, *Proc. ODP, Sci. Res.*, 143, 389-383, 1995.
52. *Polgreen, E. L., and **W. W. Sager**, Data report: paleomagnetic measurements of Paleocene-Eocene sediments, ODP Leg 143, Holes 865B and 865C (Data report), *Proc. ODP, Sci. Res.*, 143, 593-594, 1995.
53. Winterer, E. L., and **W. W. Sager**, Synthesis of drilling results from the Mid-Pacific Mountains: regional context and implications, *Proc. ODP, Sci. Res.*, 143, 497-535, 1995.
54. Johnson, H. P., M. A. Tivey, **W. W. Sager**, and D. A. Van Patten, Geomagnetic polarity reversal rate for the Phanerozoic, *Geophys. Res. Lett.*, 22, 231-234, 1995.
55. Erba, E., I. Premoli Silva, P. A. Wilson, M. S. Pringle, W. V. Sliter, D. K. Watkins, A. Arnaud-Vanneau, T. J. Bralower, A. F. Budd, G. F. Camoin, J.-P. Masse, J. Mutterlose, and **W. W. Sager**, Synthesis of stratigraphies from shallow-water sequences at Sites 871-879 in the Western Pacific Ocean (Leg 144), *Proc. ODP, Sci. Res.*, 144, 873-885, 1995.
56. Tarduno, J. A., and **W. W. Sager**, Apparent polar standstill of the Early to mid-Cretaceous Pacific plate: Implications for mantle plume controls on plate motions, *Science*, 269, 956-959, 1995.
57. H. P. Johnson, D. A. Van Patten, and **W. W. Sager**, Age-dependent variation in the magnetization of seamounts, *J. Geophys. Res.*, 101, 13701-13714, 1996.
58. Masalu, D. C. P., K. Tamaki, and **W. W. Sager**, Paleomagnetism of the Joban Seamount Chain: its Origin and Tectonic Implications for the Pacific Plate, *J. Geophys. Res.*, 102, 5145-5155, 1997.
59. Tatsumi, Y., H. Shinjoe, H. Ishizuka, **W. W. Sager**, and A. Klaus, Geochemical evidence for a mid-Cretaceous superplume, *Geology*, 26, 151-154, 1998.
60. **Sager, W. W.**, C. J. Weiss, M. Tivey, and H. P. Johnson, Geomagnetic polarity reversal model of deep-tow profiles from the Pacific Jurassic "Quiet Zone", *J. Geophys. Res.*, 103, 5269-5286, 1998.
61. **Sager, W. W.**, J. Kim*, A. Klaus, M. Nakanishi, and L. M. Khankishieva, Bathymetry of Shatsky Rise, Northwest Pacific Ocean: Implications for Ocean Plateau Development at a Triple Junction, *J. Geophys. Res.*, 104, 7557-7576, 1999.
62. Nakanishi, M., **W. W. Sager**, and A. Klaus, Magnetic lineations within Shatsky Rise, northwest Pacific Ocean: Implications for hot spot-triple junction interaction and oceanic plateau formation, *J. Geophys. Res.*, 104, 7539-7556, 1999.
63. **Sager, W. W.**, W. W. Schroeder, K. S. Davis*, and R. Rezak, A Tale of Two Deltas: Seismic Mapping of Near Surface Sediments on the Mississippi-Alabama Outer Shelf and Implications for Recent Sea Level Fluctuations, *Mar. Geol.*, 160, 119-136, 1999.
64. **Sager, W. W.**, C. S. Lee*, I. R. Macdonald, and W. W. Schroeder, High-frequency near-bottom acoustic reflection signatures of hydrocarbon seeps on the northern Gulf of Mexico continental slope, *Geo-Mar. Lett.*, 18, 267-276, 1999.
65. **Sager, W. W.** and A. A. P. Koppers, Late Cretaceous polar wander of the Pacific plate: evidence of a rapid true polar wander event, *Science*, 287, 455-459, 2000.

PUBLICATIONS, REFEREED (con't.)

66. MacDonald, I. R., D. B. Buthman, **W. W. Sager**, M. B. Peccini, and N. L. Guinasso, Jr., Pulsed Flow from a Gulf of Mexico Mud Volcano, *Geology*, 28, 907-910, 2000.
67. Urrutia-Fucugauchi, J., **W. Sager**, R. Keller, C. Mortera-Gutierrez*, and L. Alva Valdivia, Tertiary Tectonics and Block Rotations in the Chihuahua-West Texas Region, *Revista Geofisica*, 52-53, 47-68, 2000.
68. Vecchione, M., R. E. Young, A. Guerra, D. J. Lindsay, D. A. Clague, J. M. Bernhard, **W. W. Sager**, A. F. Gonzalez, F. J. Rocha, and M. Segonzac, Worldwide observations of remarkable deep-sea squids, *Science*, 294, 2505-2506, 2001.
69. **Sager, W. W.**, Basalt Core Paleomagnetic Data from Detroit Seamount, Northern Emperor Seamount Chain, and Implications for the Paleolatitude of the Hawaiian Hotspot, *Earth Planet. Sci. Lett.*, 199, 347-358, 2002.
70. Klaus, A., and **W. Sager**, Data Report: High-resolution site survey seismic reflection data for ODP Leg 198 drilling on Shatsky Rise, NW Pacific, *Proc. ODP, Init. Repts.*, 198 [CD-ROM], 2002.
71. MacDonald, I. R., **W. W. Sager**, and M. B. Peccini*, Gas hydrate and chemosynthetic biota in mounded bathymetry at mid-slope hydrocarbon seeps: northern Gulf of Mexico, *Marine Geology*, 198, 133-158, 2003.
72. **Sager, W. W.**, I. R. MacDonald, and R. Hou*, Geophysical signatures of mud mounds at hydrocarbon seeps on the Louisiana continental slope, northern Gulf of Mexico, *Marine Geology*, 198, 97-132, 2003.
73. **Sager, W. W.**, A Chron 33r Paleomagnetic Pole for the Pacific Plate, *Geophysical Research Letters*, 30, No. 16, 1873, doi: 10.1029/2003GL017964, 2003.
74. **Sager, W. W.**, I. R. MacDonald, and R. Hou*, Side-scan sonar imaging of hydrocarbon seeps on the Louisiana continental slope, *American Association of Petroleum Geologists Bulletin*, 88, 725-746, 2004.
75. Mahoney, J. J., R.A. Duncan, M.L.G. Tejada, and **W.W. Sager**, Jurassic-Cretaceous boundary age and mid-ocean-ridge-type mantle source for Shatsky Rise, *Geology*, 33, 185-188, 2005.
76. **Sager, W. W.**, and B. Horner-Johnson, Paleomagnetism of basaltic rocks cored at ODP Site 1179: Implications for paleolatitude and the Mid-Cretaceous Pacific Paleomagnetic pole, In **Sager, W. W.**, Kanazawa, T., and Escutia, C. (Eds.), *Proc. ODP, Sci. Res.*, 191, Ocean Drilling Program, College Station, TX, p. 1-20 [CD-ROM], 2005.
77. **Sager, W. W.**, Data Report: Paleomagnetism of Basaltic Rocks Cored from Western Pacific DSDP and ODP Boreholes, In **Sager, W. W.**, Kanazawa, T., and Escutia, C. (Eds.), *Proc. ODP, Sci. Res.*, 191, Ocean Drilling Program, College Station, TX, p. 1-27 [CD-ROM], 2005.
78. Horner-Johnson, B. C., and **W. W. Sager**, Data report: Magnetic properties of ODP Leg 191 Site 1179 sediments, In **Sager, W. W.**, Kanazawa, T., and Escutia, C. (Eds.), *Proc. ODP, Sci. Res.*, 191, Ocean Drilling Program, College Station, TX, p. 1-10 [CD-ROM], 2005.
79. **Sager, W. W.**, and C. Escutia, Summary of scientific results, Leg 191, In **Sager, W. W.**, Kanazawa, T., and Escutia, C. (Eds.), *Proc. ODP, Sci. Res.*, 191, Ocean Drilling Program, College Station, TX, p. 1-20, 2005.
80. **Sager, W. W.**, A. J. Lamarche*, and C. Kopp, Palaeomagnetic modeling of seamounts near the Hawaiian-Emperor Bend, *Tectonophysics*, 405, 121-140, 2005.

PUBLICATIONS, REFEREED (con't.)

81. **Sager, W. W.**, What Built Shatsky Rise, a Mantle Plume or Ridge Tectonics? in *Plates, Plumes, and Paradigms*, Special Paper 388, G. R. Foulger, J. H. Natland, D. C. Presnall, and D. L. Anderson (Eds.), Geological Society of America, Boulder, CO, pp. 721-733, 2005.
82. Maddox*, D. S., **W. W. Sager**, and T. M. Dellapenna, Sonar imaging of bay bottom sediments and anthropogenic impacts in Galveston Bay, Texas, *Trans. Gulf Coast Assoc. Geol. Soc.*, 55, 462-472, 2005.
83. Tominaga*, M., **W. W. Sager**, and J. E. T. Channell, Paleomagnetism of the Igneous Section, Hole 1213B, Shatsky Rise, *Proc. ODP., Sci. Res.*, 198, Ocean Drilling Program, College Station, TX [CD-ROM], p. 1-15, 2006.
84. **Sager, W. W.**, H. F. Evans, and J. E. T. Channell, Paleomagnetism of Early Cretaceous (Berriasian) sedimentary rocks cored from Hole 1213B, Shatsky Rise, *Proc. ODP., Sci. Res.*, 198, Ocean Drilling Program, College Station, TX [DC-ROM], 1-14, 2006.
85. Evans, H. F., J. E. T. Channell, and **W. W. Sager**, Late Miocene-Recent magnetic polarity stratigraphy and astrochronology, ODP Leg 198, Shatsky Rise, *Proc. ODP, Sci. Res.*, 198, Ocean Drilling Program, College Station, TX [CD-ROM], p. 1-39, 2006.
86. **Sager, W. W.**, Cretaceous Basalt Core Paleomagnetic Poles for the Pacific Plate: Implications for Apparent Polar Wander and Plate Tectonics, *Phys. Earth Planet. Int.*, 156, 329-349, 2006.
87. Tivey, M. A., **W. W. Sager**, S. M. Lee, and M. Tominaga*, Rapid magnetic field reversal and low amplitude as cause of the Pacific Jurassic Quiet Zone, *Geology*, 34, 789-792, 2006.
88. Beaman*, M., **W. W. Sager**, G. D. Acton, L. Lanci, and J. Pares, Improved Late Cretaceous and early Cenozoic Paleomagnetic apparent polar wander path for the Pacific plate, *Earth and Planetary Science Letters*, 262, 1-20, 2007.
89. **Sager, W. W.**, Divergence between paleomagnetic and hotspot model predicted polar wander for the Pacific plate with implications for hotspot fixity, in *Plates, Plumes, and Planetary Processes*, Special Paper 430, G. R. Foulger and D. M. Jurdy, eds., Boulder, Colorado, Geological Society of America, pp. 335-359, 2007.
90. Tominaga*, M., **W. W. Sager**, M. A. Tivey, and S.-M. Lee, Deep-tow magnetic profile study of the Pacific Jurassic Quiet Zone and Implications for the geomagnetic polarity reversal time scale and Jurassic geomagnetic field behavior, *Journal of Geophysical Research*, 113, doi:10.1029/2007JB005527, 2008.
91. **Sager, W. W.**, B. A. Housen, and L. M. Linville, Data report: Paleomagnetic and rock magnetic measurements on Hole U1301B basaltic samples, in A. T. Fisher, T. Urabe, A. Klaus, et al. (eds), *Proceedings of the Integrated Ocean Drilling Program*, 301, College Station, TX (Integrated Ocean Drilling Program Management International, Inc.), doi:10.2204/iodp.proc.301.204.2008, 22 pp., 2008.
92. Tominaga*, M., and **W. W. Sager**, Revised Pacific M-anomaly Geomagnetic Polarity Time Scale, *Geophysical Journal International*, 182, 203-232, 2010. doi:10.1111/j.1365-246X.2010.04619.x
93. Tominaga*, M., and **W. W. Sager**, The origin of the smooth zone in Early Cretaceous North Atlantic magnetic anomalies, *Geophysical Research Letters*, 37, doi:10.1029/2009GL040984, 5 pp, 2010.
94. Levchenko, O. V., **W. W. Sager**, F. A. Frey, M. S. Pringle, K. S. Krishna, D. Gopala Rao, E. Gauntlett, E. Mervine, J. G. Maranova, A. Piotrowski, C. F. Paul*, S. Huang, and A. E. Eisin*, New geological and geophysical data about structure of the Ninetyeast Ridge, *Doklady Earth Sciences*, 434, 1208-1213, 2010. (Original Russian: *Doklady Akademii Nauk*, 434, 120-125, 2010)

PUBLICATIONS, REFEREED (con't.)

95. **Sager, W. W.**, C. F. Paul*, K. S. Krishna, M. Pringle, A. E. Eisin*, F. A. Frey, D. Gopala Rao, and O. Levchenko, Large fault fabric of the Ninetyeast Ridge implies near-spreading ridge formation, *Geophysical Research Letters*, 37, doi:10.1029/2010GL044347, 4 pp., 2010.
96. Kang, M.-H., **W. W. Sager**, and Expedition 324 Scientists, Data report: Underway geophysics. In Sager, W. W., T. Sano, J. Geldmacher and the Expedition 324 Scientists, Proc. IODP, 324, doi:10.2204/iodp.proc.324.108.2010, 19 pp.
97. **Sager, W. W.**, T. Sano, and J. Geldmacher, How do oceanic plateaus form? Clues from drilling Shatsky Rise, *EOS, Transactions of the American Geophysical Union*, 92, 37-44, 2011.
98. **Sager, W. W.**, T. Sano, J. Geldmacher, and Expedition 324 Scientists, IODP Expedition 324: Ocean drilling at Shatsky Rise gives clues about oceanic plateau formation, *Scientific Drilling*, 12, 24-31, 2011; doi:10.2204/iodp.sd.12.03.2011, 2011.
99. Krishna, K. S., H. Abraham, **W. W. Sager**, M. S. Pringle, F. A. Frey, D. Gopala Rao, and O. V. Levchenko, Tectonics of the Ninetyeast Ridge derived from spreading records in adjacent ocean basins and age constraints of the ridge, *Journal of Geophysical Research*, 117, doi:10.1029/2011JB008805, 2012.
100. Korenaga, J., and **W. W. Sager**, Seismic tomography of Shatsky Rise by adaptive importance sampling, *Journal of Geophysical Research*, 117, doi:10.1029/2012JB009248, 2012.
101. Sano, T., K. Shimizu, A. Ishikawa, R. Senda, Q. Chang, J.-I. Kimura, M. Widdowson, and **W. W. Sager**, Variety and origin of magmas on Shatsky Rise, northwest Pacific Ocean, *Geochemistry, Geophysics, Geosystems*, 13, doi:10.1029/2012GC004235.
102. Lewis*, D., and **W. W. Sager**, Salt tectonics and its effect on sediment structure and gas hydrate occurrence in the northwestern Gulf of Mexico from 2-D multichannel seismic data, *GCAGS Journal*, 1, 27-43, 2012.
103. Hein, J. R., T. A. Conrad, M. Frank, M. Christl, and **W. W. Sager**, Copper-nickel-rich, amalgamated ferromanganese crust-nodule deposits from Shatsky Rise, NW Pacific, *Geochemistry, Geophysics, Geosystems*, 13, Q10022, doi:10.1029/2012GC004286, 2012.
104. Carvallo, C., P. Camps, M. Ooga, G. Fanjat, and **W. W. Sager**, Palaeointensity determinations and rock magnetic properties on basalts from Shatsky Rise: New evidence for a Mesozoic dipole low, *Geophysical Journal International*, 192, 986-999, doi:10.1093/gji/ggs100, 2013.
105. Pueringer*, M., **W. Sager**, and B. Housen, Data Report: Paleomagnetic measurements of Igneous Rocks from Shatsky Rise Expedition 324, *IODP Proceedings*, 324, 33 pp., doi:10.2204/iodp.proc.324.202.2013, 2013.
106. Chandler, M., P. Wessel, and **W. W. Sager**, Analysis of Ontong Java Plateau paleolatitudes: Evidence for large-scale rotation since ~123 Ma?, *Geophysical Journal International*, 194, 18-29, doi: 10.1093/gji/ggt075, 2013.
107. **Sager, W. W.**, J. Zhang*, J. Korenaga, T. Sano, A. A. P. Koppers, M. Widdowson, and J. J. Mahoney, An immense shield volcano within Shatsky Rise oceanic plateau, northwest Pacific, *Nature Geoscience*, 6, 976-981, doi:10.1038/NGEO1934, 2013.
108. **Sager, W. W.**, J. M. Bull, and K. S. Krishna, Active faulting on the Ninetyeast Ridge and its relation to deformation of the Indo-Australian plate, *Journal of Geophysical Research*, 118, 4648-4668, doi:10.1002/jgrb.50319, 2013.

PUBLICATIONS, REFEREED (con't.)

109. Shimizu, K. N. Shimizu, T. Sano, N. Matsubara, **and W. Sager**, Paleo-elevation and subsidence of ~145 Ma Shatsky Rise inferred from CO₂ and H₂O in fresh volcanic glass, *Earth and Planetary Science Letters*, 383, 37-44, 2013.
110. Koppers, A. A. P., and **W. W. Sager**, Large-scale and long-term volcanism on oceanic lithosphere, in *Earth and Life Processes Discovered from Subseafloor Environment – A Decade of Science Achieved by the Integrated Ocean Drilling Program (IODP)*, R. Stein, D. Blackman, F. Inagaki, and H. C. Larsen (Eds.), *Developments in Marine Geology (DMG)*, Elsevier, Amsterdam, p. 553-597, 2014.
111. Barnard*, A., **W. W. Sager**, J. E. Snow, and M. D. Max, Subsea gas emissions from the Barbados Accretionary Complex, *Marine and Petroleum Geology*, 64, 31-42, 2015.
112. Zhang*, J., **W. W. Sager**, and J. Korenaga, Shatsky Rise oceanic plateau structure from 2D multichannel seismic reflection profiles and implications for oceanic plateau formation, in *The Origin, Evolution, and Environmental Impact of Oceanic Large Igneous Provinces*, Special Paper 511, Neal, C., T. Sano, E. Erba, and W. Sager (eds.), Geological Society of America, Boulder, CO, pp. 103-126, 2015, doi:10.1130/2015.2511(06).
113. Nakanishi, M., **W. W. Sager**, and J. Korenaga, Reorganization of the Pacific-Izanagi-Farallon triple junction in the Late Jurassic: Tectonic events before the formation of Shatsky Rise, in *The Origin, Evolution, and Environmental Evolution of Oceanic Large Igneous Provinces*, Special Paper, Neal, C., T. Sano, E. Erba, and W. Sager (eds.), Geological Society of America, Boulder, CO, pp.85-101, 2015, doi:10.1130/2015.2511(05).
114. **Sager, W. W.**, M. Pueringer*, C. Carvallo, M. Ooga, B. Housen, and M. Tominaga, Paleomagnetism of igneous rocks from Shatsky Rise and implications for oceanic plateau volcanism, in *The Origin, Evolution, and Environmental Impact of Oceanic Large Igneous Provinces*, Special Paper 511, Neal, C., T. Sano, E. Erba, and W. Sager (eds.), Geological Society of America, Boulder, CO, pp. 147-171, 2015, doi:10.1130/2015.2511(08).
115. Vuong*, A. K., J. Zhang, R. L. Gibson, and **W. W. Sager**, Application of the 2-D continuous wavelet transforms to imaging of Shatsky Rise Plateau Using Marine Seismic Data, in *The Origin, Evolution, and Environmental Impact of Oceanic Large Igneous Provinces*, Special Paper 511, Neal, C., T. Sano, E. Erba, and W. Sager (eds.), Geological Society of America, Boulder, CO, pp. 127-146, 2015; doi:10.1130/2015.2511(07).
116. Tominaga, M., M. A. Tivey, and **W. W. Sager**, Nature of the Jurassic Magnetic Quiet Zone, *Geophys. Res. Lett.*, 42, 8367-8372, 2015, doi:10.1002/2015GL065394.
117. Hein, J. R., T. Conrad, K. Mizell, V. K. Banakar, F. A. Frey, and **W. W. Sager**, Controls on ferromanganese crust composition and reconnaissance resource potential, Ninetyeast Ridge, Indian Ocean, *Deep-Sea Res. I*, 110, 1-19, 2016; doi:10.1016/j.dsr.2015.11.006.
118. Zhang*, J., **W. W. Sager**, and J. Korenaga, The seismic Moho structure of Shatsky Rise oceanic plateau, northwest Pacific Ocean, *Earth Planet. Sci. Lett.*, 441, 143-154, 2016.
119. Li, S., Y. Suo, S. Yu, T. Wu, I. Somerville, **W. Sager**, X. Li, G. Hui, Y. Zhang, Y. Zang, and Q. Zheng, Orientation of joints and arrangement of solid inclusions in fibrous veins in the Shatsky Rise, NW Pacific: Implications for crack-seal mechanisms and stress fields, *Geological Journal*, 17 p., doi:10.1002/gj.2777, 2016.
120. Tejada, M. L. G., J. Geldmacher, F. Hauff, D. Heaton, A. Koppers, D. Garbe-Schoenberg, K. Hoernle, K. Hyedolph, and **W. Sager**, Geochemistry and age of Shatsky, Hess, and Ojin Rise seamounts: Implications for a connection between Shatsky and Hess Rises, *Geochemica and Cosmochimica Acta*, 185, 302-327, doi:10.1016/j.gca.2016.04.006, 2016.

PUBLICATIONS, REFEREED (con't.)

122. Sager, W. W., T. Sano, and J. Geldmacher, Formation and evolution of Shatsky Rise oceanic plateau: Insights from IODP Expedition 324 and recent geophysical cruises, *Earth Sci. Rev.*, 159, 306-336, doi:10.1016/j.earscirev.2016.05.011, 2016.
123. Zhang*, J., W. Durkin, and W. W. Sager, Morphology of Shatsky Rise oceanic plateau from high resolution bathymetry, *Mar. Geophys. Res.*, in press.
124. Regan, M., J. Pearce, K. Petronotis, R. Almeev, A. Avery, C. Carvallo, T. Chapman, G. Christeson, E. Ferré, D. Heaton, M. Kirchenbauer, W. Kurz, S. Kutterolf, H. Li, Y. Li, K. Michibayashi, S. Morgan, W. Nelson, J. Prytulak, M. Python, A. Robertson, J. Ryan, W. Sager, T. Sakuyama, J. Shervais, K. Shimizu, and S. Whattam, Subduction initiation and ophiolite crust: New insights from IODP drilling, *International Geology Review*, submitted.

PUBLICATIONS, NON-REFEREED: (*indicates student author)

1. Sager, W. W., Magnetic-susceptibility measurements of metal contaminants in ODP Leg 101 cores, In: J. A. Austin, Jr., W. Schlager, A. A. Palmer et al., *Proc. ODP: Init. Repts. (Part A)*, 101, 39-45, 1986.
2. Sager, W. W. and H. H. Hutton, Magnetic-field measurements aboard the JOIDES Resolution and implications for shipboard paleomagnetic studies, In: J. A. Austin, Jr., W. Schlager, A. A. Palmer et al., *Proc. ODP: Init. Repts. (Part A)*, 101, 33-38, 1986.
3. R. L. Carlson, W. W. Sager, and D. M. Jurdy, Plate Tectonics Reference Frames - Workshop Report, Texas A&M University, December 1988.
4. *Laswell, J. S., W. W. Sager, W. W. Schroeder, R. Rezak, K. S. *Davis, and E. G. Garrison, Mississippi-Alabama Marine Ecosystems Study: Atlas of High-Resolution Geophysical Data, MMS/OCS 90-0045, Minerals Management Service, U. S. Department of the Interior, New Orleans, LA, 42 pp., 1990.
5. Brooks, J. M., et al., Mississippi-Alabama Marine Ecosystems Study: Final Report, MMS/OCS #90-0000, Minerals Management Service, U. S. Department of the Interior, 1993.
6. Schroeder, W. W., W. W. Sager, and R. Rezak, Geological characterization of the Mississippi/Alabama Marine Ecosystem Study area, Proceedings: Tenth Annual Gulf of Mexico Information Transfer Meeting, U. S. Dept. of the Interior, Minerals Management Service, New Orleans, 111-117, 1990.
7. Sager, W. W., R. Rezak, and W. W. Schroeder, Mississippi/Alabama Marine Ecosystems Study geological characterization: sea level effects on carbonates and sedimentation, Proceedings: Eleventh Annual Gulf of Mexico Information Transfer Meeting, U. S. Department of the Interior, Minerals Management Service, New Orleans, 139-147, 1991.
8. *Laswell, J. S., W. W. Sager, W. W. Schroeder, K. S. Davis, and R. Rezak, High-resolution geophysical mapping of the Mississippi-Alabama outer continental shelf, in *Geophysical Exploration at Sea*, R. Geyer, ed., CRC Press, Boca Raton, FL, 155-192, 1992.
9. Winterer, E. L., W. W. Sager, J. Firth, J. Haggerty, I. Premoli-Silva, and A. Palmer-Julson, Leg 143 and 144 Scientific Prospectus, Ocean Drilling Program, College Station, 79 pp., 1992.
10. Sager, W. W., E. L. Winterer, J. V. Firth, and Shipboard Scientific Party, *Proc. ODP, Init. Repts.*, 143: Ocean Drilling Program, College Station, TX, 724 pp., 1993.
11. Sager, W. W., C. S. *Lee, and W. W. Schroeder, Geological and Geophysical Characterization, in *Chemosynthetic Ecosystems Study, Final Report, v. 2*, Technical Report, MMS-OCS 94-0000, Minerals Management Service, U. S. Department of the Interior, New Orleans, LA, pp. 3-1 - 3-37, 1994.

PUBLICATIONS, NON-REFEREED: (con't)

12. Sager, W. W., A. Klaus, M. Nakanishi, G. R. Brown, and L. M. Khankishieva, *Shatsky Rise Expedition: R/V Thomas G. Thompson Cruise TN037*, Tech Rept. 95-5-T, Department of Oceanography, Texas A&M Univ., College Station, TX, 96 pp., 1995.
13. Firth, J. V., P. Blum, S. Lindblom, K Michels, W. W. Sager, and A. Winkler, Site 958, *Proc. ODP., Init. Repts.*, 159T, 3-13, 1996.
14. Sager, W. W., *Imaging Seafloor Seeps with Sound*, *Quarterdeck*, 5, 17-18, 1997.
15. Sager, W. W., I. R. Macdonald, W. R. Bryant, R. L. Carlson, and D. B. Prior, *TAMU* digital side-scan sonar survey of Louisiana slope areas containing active oil seeps and halokinetic sediment modification, paper 8595, *Proceedings of the 1998 Offshore Technology Conference*, Houston, 4-7 May 1998, 57-69, 1998.
16. Sager, W. W., *Measuring the depths: An in-depth look at ocean instruments that use sound to measure water depth and create seafloor images*, *Quarterdeck* 6 (3), 9-15, 1998.
17. Sager, W. W., M. C. Kennicutt II and Gas Hydrate Science Team, Proposal to the Ocean Drilling Program for Drilling Gas Hydrate in the Gulf of Mexico, paper 12111, *Proceedings of the 2000 Offshore Technology Conference*, Houston, 1-4 May 2000.
18. Kanazawa, T., W. W. Sager, and C. Escutia, Leg 191 Scientific Prospectus, Ocean Drilling Program, College Station, TX, 56 pp., 2000.
19. Sager, W. W., Kanazawa, T., C. Escutia, and Shipboard Scientific Party, Leg 191 Preliminary Report, Ocean Drilling Program, College Station, 58 pp., 2000.
20. Kanazawa, T., W. W. Sager, C. Escutia, and Shipboard Scientific Party, *Proceedings of the Ocean Drilling Program, Initial Reports, 191*, Ocean Drilling Program, College Station, TX, 2001.
21. Sager, W. W., Various Entries, *Encyclopedia of Oceanography and Marine Science*, Moshovitis Publishing: "Atlantic Ocean Plates; Seismic Refraction; Lau Basin; LORAN; Magnetic Declination; Ninetyeast Ridge; Ontong Java Plateau; Gorda Ridge; Manihiki Plateau; Wilson Cycle; Continental Margin; Musicians Seamounts; Grab Sampler; Farallon Plate; Alpha Ridge, Lomonosov Ridge; Gulf of California; Explorer Plate; Philippine Sea" 2001.
22. Sager, W. W., and W. W. Schroeder, Chapter 3: Geological Characterization, in *Mississippi/Alabama Pinnacle Trend Ecosystem Monitoring, Final Synthesis Report*, Continental Shelf Associates and Texas A&M University, Geochemical & Environmental Research Group (Eds.), U.S. Dept. Interior, Geological Survey, Biological Resources Division, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA, OCS Study MMS 2001-080, 415 pp., 2001.
23. Sager, W. W., and I. R. MacDonald, Sidescan sonar and seismic signatures of mud mounds at petroleum seeps on the Louisiana continental slope, paper 14274, *Proceedings of the 2002 Offshore Technology Conference*, Houston, 6-9 May 2002.
24. Sager, W. W., W. R. Bryant, and E. H. Doyle, Introduction: Resolution is the Solution, *American Association of Petroleum Geologists Bulletin*, 88, 699-701, 2004.
25. Sager, W. W., AUV and Multibeam Survey on the South Florida Escarpment, *Proceedings of the 2007 Offshore Technology Conference*, 30 April-3 May 2007.
26. Sager, W. W., J.-P. Shyu, and J. Manley, Exploring West Florida Escarpment with High-resolution Geophysical Imaging, *Sea Technology*, 49, 6, 10-14, 2008.

PUBLICATIONS, NON-REFEREED: (con't)

27. Expedition 324 Scientists, Testing plume and plate models of oceanic plateau formation at Shatsky Rise, northwest Pacific Ocean, *IODP Preliminary Report, 324*, doi:10.2204/iodp.pr.324.2010, 115 pp., 2010.
28. Sager, W. W., T. Sano, J. Geldmacher, and Expedition 324 Scientists, Proceedings of the Integrated Ocean Drilling Program, 324, Integrated Ocean Drilling Program Management International, Tokyo, Japan, doi:10.2204/iodp.proc.324.101.2010.
29. Barnard, A., W. W. Sager, J. E. Snow, and M. D. Max, A new look at seafloor venting: NGH derivatives, OTC-27283-MS, Proceedings of the 2016 Offshore Technology Conference, 2-5 May 2016.

ABSTRACTS: (*indicates student author)

1. Sager, W. W. and B. H. Keating, Paleomagnetism of Line Island Seamounts, *Trans. Amer. Geophys. Union, EOS, 61*, 219, 1980.
2. Sager, W. W., An Eocene paleomagnetic pole for the Pacific plate, *Trans. Amer. Geophys. Union, EOS, 63*, 445, 1981.
3. Sager, W. W. and B. H. Keating, Implications of western Pacific seamount magnetism for the motion of the Pacific plate, *Trans. Amer. Geophys. Union, EOS, 63*, 916, 1982.
4. Sager, W. W., An apparent polar wander path for the Pacific plate: 0-145 Ma, *Trans. Amer. Geophys. Union, EOS, 64*, 843, 1983.
5. Sager, W. W., Seamount paleomagnetism: three-dimensional magnetic modeling of seamounts, Proceedings, Third Biennial Conference on Three-Dimensional Data Processing and Interpretation, National Space Technologies Laboratory, Mississippi, 1984.
6. Sager, W. W., Implications of paleomagnetism for the volcanic history of the Musicians Seamounts, *Trans. Amer. Geophys. Union, EOS, 65*, 1076, 1984.
7. *Freitag, H. C. and W. W. Sager, Free air gravity fields of nine North Pacific seamounts: implications for average density, *Trans. Amer. Geophys. Union, EOS, 65*, 1076, 1984.
8. Sager, W. W., Paleomagnetic evidence for two episodes of volcanism on Mendelssohn Seamount, central Pacific Ocean, *Trans. Amer. Geophys. Union, EOS, 66*, 1078, 1985.
9. Handschumacher, D. W., W. Sager, T. Hilde, and D. Bracey, Jurassic-Early Cretaceous evolution of the Pacific plate, Proceedings, Eighth Annual Texas A&M Geodynamics Symposium, 1986.
10. Sager, W. W., Paleomagnetism of Ocean Drilling Program Leg 101 sediments, *Trans. Amer. Geophys. Union, EOS, 67*, 923, 1986.
11. Sager, W. W., M. S. Pringle, and B. H. Keating, Seamount paleomagnetic data indicates Pacific plate incorporated southward moving block during Late Cretaceous, *Trans. Amer. Geophys. Union, EOS, 67*, 267, 1986.
12. *Wright, D. J., W. W. Sager, and T. W. C. Hilde, Plate boundary structures and processes at the northern terminus of the Tonga Trench, *Trans. Amer. Geophys. Union, EOS, 67*, 1238, 1986.
13. McCabe, R. J., T. W. C. Hilde, J. T. *Cole, W. W. Sager, and C. S. Lee, Sulu-Celebes-Banda basins: a trapped piece of Cretaceous to Eocene oceanic crust, *Amer. Assoc. Petrol. Geol.*, 70, 930, 1986.
14. Sager, W. W. and M. S. Pringle, Paleomagnetic constraints on the origin and evolution of the Musicians and South Hawaiian Seamounts, Hawaii Symposium on How Volcanoes Work, Hilo, Hawaii, 1987.

ABSTRACTS: (Con't)

15. *Fullerton, L. G. and W. W. Sager, Late Jurassic-Early Cretaceous tectonic evolution of the eastern Indian Ocean adjacent to northwest Australia, *Trans. Amer. Geophys. Union, EOS, 68, 424, 1987.*
16. Sager, W. W., Mid-Cretaceous to early Tertiary apparent polar wander path of the Pacific plate and implications for true polar wander and nondipole fields, *Trans. Amer. Geophys. Union, EOS, 68, 1255, 1987.*
17. Sager, W. W. and M. S. Pringle, Tectonic evolution of the central Pacific during the Cretaceous Quiet Period, *Trans. Amer. Geophys. Union, EOS, 68, 1451, 1987.*
18. Sager, W. W., D. W. Handschumacher, T. W. C. Hilde, and D. R. Bracey, Evidence from magnetic lineations of a Late Jurassic microplate between the Pacific, Farallon, and Izanagi plates, *Trans. Amer. Geophys. Union, EOS, 68, 1476, 1987.*
19. Sager, W. W., D. Stow, J. R. Cochran, and Leg 116 Shipboard Scientific Party, Intraplate deformation and Himalayan uplift, ODP Leg 116, *Trans. Amer. Geophys. Union, EOS, 69, 265-266, 1988.*
20. Sager, W. W., Mid-Cretaceous to early Tertiary apparent polar wander path of the Pacific plate, Abstract Volume, 10th Annual Texas A&M Geodynamics Symposium, April 28-29, 1988, College Station, Texas, 1988.
21. *Moriarty, T. D. and W. W. Sager, Estimation of direction of magnetization: observations of the phase spectra of magnetic anomalies, *Trans. Amer. Geophys. Union, EOS, 69, 336, 1988.*
22. Schatten, K., B. F. Chao, D. P. Rubincam, and W. W. Sager, No fifth or sixth force?, *Trans. Amer. Geophys. Union, EOS, 69, 330, 1988.*
23. Winterer, E. L., J. H. Natland, R. Van Waasbergen, M. McNutt, and W. W. Sager, NW Pacific guyots: morphology, stratigraphy, and latitudinal histories, *EOS, Trans. AGU, 70, 465, 1989.*
24. Sager, W. W., NW Pacific guyots: preliminary paleomagnetic results, *EOS, Trans. AGU, 70, 469, 1989.*
25. Schroeder, W. W., S. R. Gittings, M. R. Dardeau, P. Fleischer, W. W. Sager, A. W. Schultz, and R. Rezak, Topographic features of the L'MAFLA continental shelf, northern Gulf of Mexico, *Proceedings of the Oceans '89 Conference, Seattle, WA, 1:54-58.*
26. Sager, W. W., T. W. C. Hilde, and D. W. Handschumacher, Mesozoic tectonic evolution of the Pacific plate, *28th International Geologic Congress, Washington, D. C., July 9-19, 1989, 3.6-3.7, 1989.*
27. Sager, W. W., T. W. C. Hilde, and D. W. Handschumacher, Magnetic isochrons and the Mesozoic tectonic evolution of the Pacific plate, *28th International Geologic Congress, Washington, D. C., July 9-19, 1989, 3.7, 1989.*
28. Sager, W. W., Seamount age estimates from paleomagnetism and their implications for the volcanic history of the Pacific plate, *EOS, Trans. AGU, 70, 1351, 1989.*
29. *Moriarty, T. D., F. D. Morgan, and W. W. Sager, Estimation of direction of remanent magnetization: an inverse method using the phase spectrum of the magnetic anomaly, *Expanded Technical Program Abstracts with Biographies, Soc. Expl. Geophys., Ann. Meeting, Dallas, TX, 318-321, 1989.*
30. Sager, W. W., L. G. *Fullerton, R. T. Buffler, and D. W. Handschumacher, Argo Abyssal Plain magnetic lineations revisited: implications for the onset of seafloor spreading and tectonic evolution of the eastern Indian Ocean, *EOS, Trans. AGU, 71, 1661, 1990.*

ABSTRACTS: (Con't)

31. Sager, W. W., E. P. *Myers, B. A. *Dayharsh, and D. W. Handschumacher, Paleomagnetic results from western Pacific seamounts: widespread intraplate volcanism during the Cretaceous Quiet Period, *EOS, Trans. AGU, 71*, 1388, 1990.
32. Merrill, D. L., W. W. Sager, R. J. McCabe, E. Kikawa, and L. Stokking, Paleomagnetic results from basement basalts from the Sule and Celebes basins, *EOS, Trans. AGU, 71*, 1292, 1990.
33. Sager, W. W. and S. A. Hall, Magnetic properties of black mud turbidites from ODP Leg 116, distal Bengal fan, Amer. Assoc. Petrol. Geol., Annual Convention Program, p. 201, April 8-10, 1991.
34. Sager, W. W., W. W. Schroeder, J. S. *Laswell, and K. S. *Davis, Topographic and sedimentary features of the Mississippi-Alabama outer continental shelf and their implications for sea level fluctuations during the late Pleistocene-Holocene transgression, Geodynamics Research Institute Symposium, Texas A&M University, Abstract volume, p. 42, April 25-26, 1991.
35. Sager, W. W., Polar wander and global change, Geodynamics Research Institute Symposium, Texas A&M University, Abstract volume, p. 53, April 25-26, 1991.
36. Sager, W. W., N. Abrahamsen, and C. J. MacLeod, Tectonic rotation of the Tonga Arc, southwest Pacific, from ODP Leg 135 paleomagnetic data, *EOS, Trans. AGU, 72*, 541, 1991.
37. *Mortera-Gutierrez, C., W. W. Sager, and J. Urrutia-Fucugauchi, Paleomagnetic evidence of tectonic rotation from the Bofecillos Mountains, west Texas, *EOS, Trans. AGU, 72*, 129, 1991.
38. *Polgreen, E. L., W. W. Sager, and F. R. Rack, Magnetic properties of Plio-Pleistocene sediments from the Shatsky Rise, northwest Pacific, ODP Leg 132, *EOS, Trans. AGU, 72*, 142, 1991.
39. Wiesenburg, D. A., N. L. Guinasso, and W. W. Sager, Sea Beam bathymetry of the Orca Basin: observations from high resolution mapping, *EOS, Trans. AGU, 72*, 456, 1991.
40. *Lee, C. S., W. W. Sager, I. R. MacDonald, R. Sassen, and J. F. Reilly, Active mud vents on a hydrocarbon seep mound, northern Gulf of Mexico, *EOS, Trans AGU, 74*, 328, 1993.
41. Sager, W. W., J. A. Tarduno, and ODP Leg 143 Scientific Party, Paleomagnetic results from Site 869, Late Cretaceous Sediments, ODP Leg 143, Western Pacific Ocean, *EOS, Trans AGU, 74*, 353, 1993.
42. Nogi, Y., H. Ito, J. A. Tarduno, and W. W. Sager, Magnetic structures of seamounts in the western Pacific Ocean deduced from ODP Legs 143 and 144 downhole magnetometer logs, *EOS, Trans AGU, 74*, 353, 1993.
43. *Han, H.-C., and W. W. Sager, Geophysical data suggesting a flood basalt origin for Shatsky Rise, Northwest Pacific Ocean, *EOS, Trans AGU, 74*, 555, 1993.
44. Kroenke, L. W., and W. W. Sager, The formation of oceanic plateaus on the Pacific plate, *EOS, Trans AGU, 74*, 555, 1993.
45. Johnson, H. P., D. Van Patten, M. A. Tivey, and W. W. Sager, Geomagnetic polarity reversal rate for the Phanerozoic, *EOS, Trans. AGU, 75*, 202.
46. Van Patten, D., H. P. Johnson, M. A. Tivey, and W. W. Sager, Anomalous geomagnetic polarity bias at the Jurassic/Triassic boundary, *EOS, Trans. AGU, 75*, 202.
47. Sager, W. W., Shatsky Rise and its Implications for the Plume-Head Hypothesis of Oceanic Plateau Formation, Abstracts Volume, XXI General Assembly, International Union of Geodesy and Geophysics, Boulder, CO, 2-14 July, 1994, A465, 1995.

ABSTRACTS: (Con't)

48. Sager, W. W., C. J. Weiss*, M. A. Tivey, and H. P. Johnson, Magnetic reversal model of deep-tow magnetic data from the Pacific Jurassic 'Quiet Zone', *EOS Trans. AGU*, 76, F175, 1995.
49. Schroeder, W. W., D. J. Benson, P. J. Pearce, K. M. Hancock, W. W. Sager, R. O. Howard, A. W. Schultz, Composition and Morphology of Late Quaternary Carbonate Deposits, Outer Continental Shelf, Northeast Gulf of Mexico, American Association of Petroleum Geologists Annual Convention, Abstract Volume, p. A127, San Diego, May 19-22, 1996.
50. Klaus, A., L. Khankishieva, G. Brown, W. Sager, J. Kim*, and M. Nakanishi, Preliminary seismic reflection results from Shatsky Rise, western Pacific Ocean, *EOS Trans. AGU*, 76, F611, 1995.
51. Johnson, H. P., W. W. Sager, and D. Van Patten, Magnetization of Pacific seamounts during the Cretaceous Normal Superchron, *EOS Trans. AGU*, 76, F171, 1995.
52. Kim, J., W. W. Sager, A. Klaus, N. C. Smoot, M. Nakanishi, L. Khankishieva, and G. R. Brown, New bathymetry chart of Shatsky Rise, western Pacific Ocean, *EOS Trans. AGU*, 76, F329, 1995.
53. Tejada, M., J. J. Mahoney, W. W. Sager, and Shipboard Scientific Party, Isotopic study of basement rocks from Shatsky Rise, northwestern Pacific Ocean, *EOS Trans. AGU*, 76, F699, 1995.
54. Sager, W. W., A. Klaus, J. J. Mahoney, Y. Tatsumi, M. Nakanishi, W. V. Sliter, G. R. Brown, and L. M. Khankishieva, Testing hypothesis of giant Large Igneous Province formation at Shatsky Rise, in *The Oceanic Lithosphere and Scientific Drilling in the 21st Century*, ODP-InterRidge-IAVCEI workshop, Woods Hole Oceanographic Institution, Woods Hole, MA, 26-29 May 1996, p. 99-100.
55. Nakanishi, M., and W. W. Sager, Formation of the Jurassic Oceanic Plateau, Shatsky Rise, northwestern Pacific Ocean, *EOS, Trans. AGU*, 77, F705, 1996.
56. Sager, W. W., J. Kim*, M. Nakanishi, and A. Klaus, Tectonic implications of Shatsky Rise bathymetry, NW Pacific Ocean, *EOS, Trans. AGU, Fall Meeting Supplement*, 78, F721, 1997.
57. Liu*, J., W. R. Bryant, and W. W. Sager, GIS-based study of the Alaminos Canyon, Gulf of Mexico, and its linkage with WWW, AAPG Annual Convention Proceedings, A70, 1997.
58. MacDonald, I.R. W.W. Sager, N.L. Guinasso, Jr. Gas in Continental Slope Sediments, northern Gulf of Mexico: Examples from two distinct seafloor Environments (extended abstract), Proceedings, International Conference on Gas in Marine Sediments, 7-11 September, 1998, Bologna, Italy.
59. Sager, W. W., and C. G. A. Harrison, Paleomagnetic Research, Big Science, and the Future of ODP, *EOS, Trans. AGU, Fall Meeting Supplement*, 79, F230, 1998.
60. Sager, W. W., and I. R. MacDonald, Shallow and Deep Acoustic Mapping of Hydrocarbon Seep Sites, Northern Gulf of Mexico, *EOS, Trans. AGU, Fall Meeting Supplement*, 79, F818, 1998.
61. Sager, W. W., and I. R. MacDonald, Side-scan Sonar Survey of Halokinetic and Hydrocarbon Seep Sediment Modification on the Louisiana Slope, Amer. Assoc. Petrol. Geol., Annual Meeting, April 11-14, 1999, Program with Abstracts, p. A121, 1999.
62. Sager, W. W. and I. R. MacDonald, Long-range side-scan sonar imaging of hydrocarbon seeps and sediment mass wasting on the Louisiana continental slope, Gulf of Mexico. Society of Exploration Geophysicists, Annual Meeting, Abstracts CD, October 31 – November 5, 1999.
63. O'Donnell, G. A., W. W. Sager, and F. J. Kelly, Side-scan sonar imaging of current direction indicators on the Mississippi-Alabama outer continental shelf, *EOS, Trans. AGU, Fall Meeting Supplement*, 80, F518, 1999.

ABSTRACTS: (Con't)

64. Sager, W. W. and A. A. P. Koppers, Rapid Late Cretaceous Polar Wander of the Pacific Plate: A True Polar Wander Event? *EOS, Trans. AGU, Fall Meeting Supplement, 80, F305, 1999.*
65. Sager, W. W., W. W. Schroeder, and G. A. O'Donnell*, Carbonate mounds on the Mississippi-Alabama Outer Continental Shelf: Indicators of Past Sea Level and Climate? *EOS, Trans. AGU, Ocean Sciences 2000 Meeting Supplement, 80, OS134, 1999.*
66. MacDonald, I. R., W. W. Sager, N. L. Guinasso, and E. Powell, Evidence for Long-term fluctuation in Fluid Expulsion at Hydrocarbon seeps, *EOS, Trans. AGU, Ocean Sciences 2000 Meeting Supplement, OS242, 1999.*
67. Buthman, D., I. R. MacDonald, M. Peccini*, W. W. Sager, and N. L. Guinasso, Episodic High Temperatures and Hydrocarbon Seepage from a Mud Volcano, *EOS, Trans. AGU, Ocean Sciences 2000 Meeting Supplement, OS244, 1999.*
68. Sager, W. W., and I. R. MacDonald, Side-scan sonar images of hydrocarbon seep mounds on the Louisiana continental slope, *EOS, Trans. AGU, 81, Fall Meeting Suppl., F604, 2000.*
69. MacDonald, I. R., W. W. Sager, and M. Peccini, Association of chemoautotrophic tube worms with shallow gas hydrate on the Louisiana slope, *EOS, Trans. AGU, 81, Fall Meeting Suppl., F604, 2000.*
70. Sager, W. W., Cretaceous DSDP and ODP basalt cores from the Pacific plate and implications for apparent polar wander, *Geophys. Res. Abstracts, 5, 06191, 2003.*
71. Sager, W. W., and M. A. Tivey, Deep-tow magnetic investigation of "tiny wiggles" in the Pacific Jurassic Quiet Zone, Proceedings, AGU Chapman Conference, "Timescales of the Geomagnetic Field," Gainesville, FL, 9-11 March 2003.
72. Sager, W. W., Tectonic Evolution of Shatsky Rise: A Plateau Formed by a Plume Head or Not?, Proceedings of the GSA Penrose Conference, *Plume IV: Beyond the Plume Hypothesis*, Hveragerdi, Iceland, 25-29 August 2003.
73. Sager, W. W., Was Shatsky Rise Formed by a Plume Head or Plate Boundary Processes?, *EOS, Trans. AGU, Fall Mtg. Suppl., 2003.*
74. Tivey, M., W. W. Sager, and S. M. Lee, Deep-tow magnetic survey of the Pacific Jurassic Quiet Zone: Implications for the marine magnetic anomaly timescale, *EOS, Trans. AGU, Fall Mtg. Suppl., 2003.*
75. Sager, W. W., and I. R. MacDonald, Side-scan sonar imaging of hydrocarbon seeps on the Louisiana continental slope, GSA South-Central Regional Meeting, 15-16 March 2004, College Station, TX.
76. Maddox*, D. S., W. W. Sager, and T. Dellapenna, Mapping bottom type and anthropogenic impacts on sediments in Galveston Bay, Texas, GSA South-Central Regional Meeting, 15-16 March 2004, College Station, TX.
77. Bronikowski*, J., T. Dellapenna, W. Sager, J. Simons, J. Harper, and M. Patch, Sedimentary environments in a shallow, gulf coast estuary- Lavaca Bay, Texas, GSA South-Central Regional Meeting, 15-16 March 2004, College Station, TX.
78. Sager, W. W., Was Shatsky Rise formed by plume or plate edge? Plumes, hotspots, and planetary lithospheres, Symposium honoring Kevin Burke's 75th birthday, Abstract Volume, University of Houston, 11-15 November 2004.
79. Hawkins, L. K., B. A. Housen, W. W. Sager, and IODP Expedition 301 Scientific Party, Undergraduate Student Research with the Integrated Ocean Drilling Program on Expedition 301, *EOS, Trans. AGU, Fall Mtg. Suppl., ED41C-05, 2004.*

ABSTRACTS: (Con't)

80. Tominaga, M., W. W. Sager, and M. A. Tivey, Deep-tow study of magnetic anomalies in the Pacific Jurassic Quiet Zone, EOS, Trans. AGU, Fall Mtg. Suppl., GP43B-0856, 2004.
81. Sager, W. W., Paleomagnetic data from Ontong Java Plateau are anomalous: Did the plateau form on another plate?, EOS, Trans. AGU, Fall Mtg. Suppl., U33A-0032, 2004.
82. Evans, H. F., J. E. T. Channell, and W. W. Sager, Late Miocene-Recent Magnetic Polarity Stratigraphy and Astro-Chronology From ODP Sites 1207, 1208, 1209, 1210, 1211 and 1212- Shatsky Rise, GP43B-0854, 2004.
83. Mahoney, J. J., R. A. Duncan, M. L. G. Tejada, and W. W. Sager, Geochemistry and age of basalts from the Shatsky Rise, NW Pacific, *Geochem. Cosmochim. Acta*, 68, A591, 2004.
84. Sager, W. W., M. Patch, T. Dellapenna, and J. D. Simons, Sediment characterization in Lavaca Bay, Texas, using chirp sonar profiling, South Central Geological Society of America Meeting, San Antonio, TX, April 1, 2005.
85. Sager, W. W., and R. G. Gordon, Does a fault in the plate circuit ruin intra-ocean comparison of hotspot tracks? AGU Chapman conference, The great plume debate: the origin and impact of LIPs and hot spots, Abstract volume, American Geophysical Union, Ft. William, Scotland, 28 August – 1 September 2005, p. 66.
86. Linville*, L. M., B. Housen, and W. Sager, Effects of hydrothermal alteration on the magnetic mineralogy of mid-ocean ridge basalts, IODP Site 1301B, Juan de Fuca Ridge, EOS, Trans. AGU, 86 (52), Fall Mtg. Suppl., Abstract GP13A-0026, 2005.
87. Sager, W. W., and M. A. Beaman*, A revised Cretaceous-Cenozoic apparent polar wander path for the Pacific plate and its tectonic implications, EOS, Trans. AGU, 86 (52), Fall Mtg. Suppl., Abstract GP23A-0032, 2005.
88. Beaman*, M. A., W. W. Sager, L. Lanci, and J. Pares, Revised Late Cretaceous and early Cenozoic apparent polar wander path for the Pacific plate, EOS, Trans. AGU, 86 (52), Fall Mtg. Suppl., Abstract GP23A-0031, 2005.
89. Tominaga*, M., and W. W. Sager, Revised compilation of the M-anomaly geomagnetic polarity time scale and its implications, EOS, Trans AGU, Fall Mtg. Suppl., GP11A-0059, 2006.
90. Sager, W. W., A. A. P. Koppers, and H. Staudigel, Magnetic anomaly study and geologic implications for Gilbert and Tokelau seamounts, Pacific Ocean, EOS, Trans AGU, Fall Mtg. Suppl., V13A-0642, 2006.
91. Nugroho, C. N., S.-M. Lee, M. A. Tivey, and W. W. Sager, Preliminary analysis of 3.5-Khz sub-bottom acoustic reflection profiles from the chert layer in Pigafetta Basin, east of Mariana Trench, Korean Oceanographic Society, Fall Meeting, 8 November 2007, Kusan National University, Kusan, Korea.
92. Sager, W. W., Progress and perspectives on the Pacific plate apparent polar wander path, EOS, Trans AGU, 88 (52), Fall Mtg. Suppl., abstract T12A-06, 2007.
93. Tominaga*, M. and W. W. Sager, A robust compilation of the Pacific M-anomaly geomagnetic polarity sequence, EOS, Trans. AGU, 88 (52), Fall Mtg. Suppl., abstract T13A-1131, 2007.
94. Wilson, R. H., W. W. Sager, et al., Real-time science and educational collaboration online from the Indian Ocean, EOS, Trans AGU, 88 (52) Fall Mtg. Suppl., abstract OS34A-07, 2007.
95. Pringle, M. S., F. A. Frey, E. M. Mervine, and W. W. Sager, New Ar/Ar ages from the Ninetyeast Ridge, Indian Ocean: Beginning of a robust Indo-Atlantic hotspot reference frame, EOS, Trans AGU, 88 (52) Fall Mtg. Suppl., abstract U13A-0871, 2007.

ABSTRACTS: (Con't)

96. Eisin*, A. E., C. F. Paul*, W. W. Sager, M. S. Pringle, F. A. Frey, K. S. Krishna, D. Gopala Rao, O. V. Levchenko, M. Tominaga, L. A. Nemazi*, D. C. Soule*, and S. Hilding-Kronforst*, Preliminary geophysical results from the Ninetyeast Ridge Expedition, *EOS, Trans. AGU*, 88 (52), Fall Mtg. Supplement, abstract V21B-0610.
97. *Nemazi, L. A., and W. W. Sager, A Closer Look at Salt, Faults, and Gas in the Northwestern Gulf of Mexico with 2-D Multichannel Seismic Data, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T21B-1962, 2008.
98. *Paul, C. F., W. W. Sager, M. S. Pringle, and A. E. Eisin, Tectonic Fabric of the Ninetyeast Ridge, Central Indian Ocean: Implications for Ridge Formation, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T21B-1874, 2008.
99. Krishna, K. S., H. Abraham, D. Gopala Rao, and W. W. Sager, Spreading history of the Central Indian and Wharton basins with special emphasis to the formation of the Ninetyeast Ridge, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T53G-06, 2008.
100. Gopala Rao, D., K. S. Krishna, O. Levchenko, W. W. Sager, and C. F. Paul, Structure of the Ninetyeast Ridge north of the Equator, eastern Indian Ocean, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T51B-1876, 2008.
101. *Eisin, A. E., and W. W. Sager, Seismic stratigraphy of Ninetyeast Ridge sediments, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T51B-1893, 2008.
102. Sager, W. W., and M. Tominaga*, Paleomagnetism of Basaltic Rocks Cored from the Walvis Ridge, South Atlantic and Implications for Hotspot Paleolatitude, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract GP14A-05, 2008.
103. Koppers, A. A. P., C. Class, W. W. Sager, and K. Hoernle, On the Walvis Ridge Hotspot Life-Cycle: Flood Basalt to Robust Aseismic Ridge to Low- Volume Intra-Plate Volcanism, *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract V23H-01, 2008.
104. Levchenko, O., A. E. Eisin*, A. N. Ivanenko, J. G. Marinova, C. F. Paul*, I. M. Sborshchikov, and W. W. Sager, Detailed structure and tectonics of the Ninetyeast Ridge near Site ODP 758 (on new geophysical data from KNOX06RR cruise of R/V Roger Revelle), *EOS, Trans. AGU*, 89 (53) Fall Mtg. Suppl., abstract T51B-1875, 2008.
105. *Paul, C. F., and W. W. Sager, Analysis of faulting and tectonic lineations along the Ninetyeast Ridge from multibeam bathymetry data, *EOS, Trans. AGU*, 90(52), Fall Meeting Suppl., Abstract T21D-1868, 2009.
106. Sano, T., W. W. Sager, J. Geldmacher, and Expedition 324 Shipboard Scientific Party, Geochemistry of samples cored from Shatsky Rise, IODP Expedition 324, and their implications for the formation of oceanic plateaus, *EOS, Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract V51H-02, 2009.
107. *Hall, H., and W. W. Sager, Mass wasting in the Western Galapagos Islands, *EOS, Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract NH41C-1261, 2009.
108. Sager, W. W., T. Sano, J. Geldmacher, and IODP Expedition 324 Shipboard Scientific Party, Preliminary results from Integrated Ocean Drilling Program Expedition 324: Coring Shatsky Rise to test models of oceanic plateau formation, *EOS, Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract V51H-01, 2009.

ABSTRACTS: (Con't)

109. Sano, T., W. W. Sager and J. Geldmacher, Massive magma eruption near sea level at Shatsky Rise: Preliminary results from Integrated Ocean Drilling Program Expedition 324, Western Pacific Geophysics meeting, EOS, *Transactions of the American Geophysical Union*, 91 (26), abstract OS51B-182, 2010.
110. Krishna, K. S., H. Abraham, W. W. Sager, D. Gopala Rao, and O. V. Levchenko, Tectonics of the Ninetyeast Ridge derived from the spreading records of the contiguous ocean basins and age constraints of the ridge, Presented at the Fall 2010 AGU Meeting, San Francisco, Abstract T31B-2175, 2010.
111. Shimizu, K., T. Sano, W. W. Sager, J. Geldmacher, N. Shimizu, and IODP Expedition 324 Scientific Party, Major element and volatile variations of volcanic glasses from Shatsky Rise, sampled from IODP Expedition 324, Presented at the Fall 2010 AGU Meeting, San Francisco, Abstract U51A-0019, 2010.
112. Sager, W. W., T. Sano, and J. Korenaga, The Shatsky Rise Supervolcano, *Proceedings of the 2011 Goldschmidt Conference*, 14-19 August 2011.
113. Carvallo, C., P. Camps, M. *Ooga, W. W. Sager, and M. Tominaga, Magnetic properties and paleointensity determinations on basalts from Shatsky Rise (145 Ma), Presented at the Fall 2011 AGU Meeting, San Francisco, Abstract GP23A-1013.
114. *Vuong, A. K., J. Zhang, R. L. Gibson, and W. W. Sager, Analysis of marine multi-channel seismic data using a 2D continuous wavelet transform, Presented at the Fall 2011 AGU Meeting, San Francisco, Abstract S23A-2235.
115. Korenaga, J., and W. W. Sager, Crustal structure of Shatsky Rise from joint refraction and reflection seismic tomography, Presented at the Fall 2011 AGU Meeting, San Francisco, Abstract V51D-2535.
116. Sano, T., K. Shimizu, A. Ishikawa, R. Senda, C. Qing, J. I. Kimura, M. Widdowson, W. W. Sager, Magma variety and geochemical stratigraphy of Shatsky Rise, Presented at the Fall 2011 AGU Meeting, San Francisco, Abstract V51D-2537.
117. Sager, W. W., T. Sano, and J. Korenaga, The Shatsky Rise supervolcano and the formation of oceanic plateaus, Presented at the Fall 2011 AGU Meeting, San Francisco, Abstract V54A-04.
118. *Lewis, D., W. Sager, and L. Nemazi, Salt tectonics and effects on sediment structure and gas hydrate occurrence in the northwestern Gulf of Mexico from 2D multichannel seismic data, AAPG Annual Meeting, Long Beach, CA, 22-25 April 2012.
119. *Gould, A. R., and W. W. Sager, Offshore natural gas hydrates of the Sigsbee Escarpment: Quantitative seismic interpretation study of the resource potential for gas hydrates in the Green Canyon and Walker Ridge regions, Gulf of Mexico, AAPG Annual Meeting, Long Beach, CA, 22-25 April 2012.
120. Sager, W. W., J. M. Bull, and K. S. Krishna, Active Faulting in the Ninetyeast Ridge and Implications for Diffuse Boundaries of the Indo-Australian Plate Plate, Abstract T43H-08, AGU Fall Meeting, December 3-7, 2012.
121. *Zhang, J., W. W. Sager, and J. Korenaga, Shatsky Rise Oceanic Plateau Structure from 2D Multichannel Seismic Reflection Profiles and Implications for Oceanic Plateau Evolution, Abstract DI53A-2360, AGU Fall Meeting, December 3-7, 2012.
122. Sano, T., W. W. Sager, J. Geldmacher, A. A. P. Koppers, K. Heydolph, R. Almeev, T. Hanyu, and A. Delacour, What we have learned about Shatsky Rise Oceanic Plateau from IODP Expedition 324, Abstract DI53A-2361, AGU Fall Meeting, December 3-7, 2012.

ABSTRACTS: (Con't)

123. Tivey, M., M. Tominaga, and W. W. Sager, The last frontier? High-resolution, near-bottom measurements of the Hawaiian Jurassic magnetic anomaly sequence, Abstract T42B-02, AGU Fall Meeting, December 3-7, 2012.
124. Oakley, A. J., N. J. Mathews, M. Tominaga, M. Tivey, W. W. Sager, and D. Lizarralde, New seamounts and broad seafloor depressions revealed in shipboard geophysical data from the Early Cretaceous – Middle Jurassic seafloor, Central-Western Pacific, Abstract OS51E-1929, AGU Fall Meeting, December 3-7, 2012
125. Chandler, M. T., P. Wessel, B. Taylor, and W. W. Sager, Reassembling the Ontong Java-Manihiki-Hikurangi large igneous province: Insights and challenges, Abstract T31B-2597, AGU Fall Meeting, December 3-7, 2012.
126. *Zhang, J., W. W. Sager, and J. Korenaga, The Moho structure of Shatsky Rise oceanic plateau, northwest Pacific, from multichannel seismic reflection and wide-angle seismic refraction data, Abstract V13F-2688, AGU Fall Meeting, San Francisco, December 9-13, 2013.
127. Sager, W. W., J. Zhang*, J. Korenaga, T. Sano, A. A. P. Koppers, M. Widdowson, and J. J. Mahoney, An immense shield volcano within Shatsky Rise oceanic plateau, northwest Pacific, Abstract V13F-2685, AGU Fall Meeting, San Francisco, December 9-13, 2013.
128. Durkin*, W. J., J. Zhang*, and W. W. Sager, Implications for morphology and tectonic history of Shatsky Rise from high resolution bathymetry, Abstract V13F-2687, AGU Fall Meeting, San Francisco, December 9-13, 2013.
129. Tominaga, M., M. Tivey, and W. W. Sager, The origin of the Jurassic Quiet Zone – new insights from Hawaiian Jurassic magnetic anomalies, Abstract GP13A-1134, AGU Fall Meeting, San Francisco, December 9-13, 2013.
130. *Huang, Y., and W. W. Sager, Correction of marine magnetic data to make a magnetic anomaly map for Shatsky Rise, Abstract GP13A-1139, AGU Fall Meeting, San Francisco, December 9-13, 2013.
131. Mathews, N. J., A. J. Oakley, D. Lizarralde, M. Tominaga, M. Tivey, and W. W. Sager, Seafloor structure and uppermost sedimentation in the Pigafetta Basin, Magellan Seamount Chain, and East Mariana Basin of the Central-Western Pacific, Abstract T51B-2472, AGU Fall Meeting, San Francisco, December 9-13, 2013.
132. Krishna, K. S., W. W. Sager, and K. M. Sreejith, Emplacement history and compensation mechanisms of the Ninetyeast Ridge, Indian Ocean, Asia Oceania Geosciences Society, 11th annual Meeting, 28 July-1 August 2014, Sapporo, Japan.
133. Hart, L. A., M. Tominaga, M. A. Tivey, J. C. Kinsey, and W. W. Sager, Gravity anomaly investigation on the formation and evolution of the Hawaiian Jurassic Quiet Zone upper oceanic lithosphere, Poster 449, Ocean Sciences Meeting, 23-28 February, 2014.
134. Chandler, M. T., M. Tominaga, W. W. Sager, M. A. Tivey, and P. Fucile, Mapping the marine magnetic field using autonomous magnetic drifters, Abstract 071:15622, ASLO Meeting, Honolulu, 2014.
135. Class, C., A. A. P. Koppers, W. Sager, and S. Schnur, Diffuse volcanism at the young end of the Walvis Ridge – Tristan – Gough seamount province: Geochemical sampling and constraints on plume dynamics, Abstract V23G-04, AGU Fall meeting, San Francisco, December 15-19, 2014.
136. Schnur, S., A. A. P. Koppers, C. Class, and W. W. Sager, Explaining Tristan-Gough plume dynamics with new age data from multiple age-progressive seamount sub-tracks in the young Walvis Ridge guyot province, Abstract DI43A-4361, AGU Fall Meeting, San Francisco, 15-19 December, 2014.

ABSTRACTS: (Con't)

137. Kurz, W., E. C. Ferré, A. Robertson, A. Avery, G. L. Christeson, S. Morgan, S. Kutterolf, W. W. Sager, C. Carvallo, J. Shervais, and the Scientific Party of IODP Expedition 352, Structure of the outer Izu-Bonin-Mariana forearc system: Initial results of IODP Expedition 352, Asia Oceania Geosciences Society Meeting, 2-7 August 2015, Singapore.
138. Zhang, J., W. W. Sager, and J. Korenaga, Tamu Massif-Largest Volcano on Earth – within Shatsky Rise Oceanic Plateau Formed by Mantle Plume-Mid-Ocean Ridge Interaction? Third Inter-Ridge Theoretical Institute, September 25-27 2015, Shanghai, China.
139. Sager, W. W., D. Engfer, S. Thoram, A. A. P. Koppers, and C. Class, Seafloor tectonic fault fabric and the evolution of the Walvis Ridge - Rio Grande Rise hot spot twins, south Atlantic, Abstract V12A-08, AGU Fall Meeting, Dec. 14-18, 2015.
140. Barnard*, A., W. W. Sager, J. E. Snow, and M. D. Max, Subsea gas emissions from the Barbados accretionary complex, Abstract OS33A-1997, AGU Fall Meeting, Dec. 14-18, 2015.
141. Tominaga, M., W. W. Sager, and M. Tivey, Nature of the Jurassic magnetic quiet zone revealed by the sea-surface, mid-water, and near-source magnetic sensor data in the western Pacific, Abstract GP23B-1310, AGU Fall Meeting, Dec. 14-18, 2015.
142. Nañez-James, S., and W. W. Sager, Using telepresence to connect and engage classes and the public in the exploration of Tamu Massif, the world's largest single volcano, Abstract 91282, 2016 Ocean Sciences Meeting.
143. Sager, W. W., Paleomagnetism of igneous rocks from IODP Expedition 352, IODP Expedition 352 second post-cruise meeting, Cyprus, May 11, 2016.

INVITED PRESENTATIONS:

- "Mid-Cretaceous to Early Tertiary Apparent Polar Wander Path of the Pacific Plate and Implications for the True Polar Wander and Nondipole Fields", AGU Fall Meeting, 1987.
- "Tectonic Evolution of the Central Pacific During the Cretaceous Quiet Period", AGU Fall Meeting, 1987.
- "Argo Abyssal Plain magnetic lineations revisited: implications for the onset of seafloor spreading and tectonic evolution of the eastern Indian Ocean", AGU Fall Meeting, 1990.
- "Paleomagnetic results from western Pacific seamounts: widespread intraplate volcanism during the Cretaceous Quiet Period", AGU Fall Meeting, 1990.
- "Magnetic properties of black mud turbidites from ODP Leg 116, distal Bengal fan, AAPG/SEPM research conference in applied magnetostratigraphy and sedimentary magnetism", AAPG annual convention, April 8-10 1991.
- "Preliminary results from atoll and guyot drilling, ODP Leg 143", University of Hawaii, March 22, 1992.
- "Drilling sunken atolls of the northwest Pacific: results from ODP Leg 143", Rice University, October 7, 1992.
- "Polarity Reversal Model of Deep-tow Magnetic Data From the Pacific Jurassic Quiet Zone", University of Texas Institute for Geophysics, 25 October 1995.
- "Paleomagnetic research, ODP, and big science", AGU Fall Meeting, 1998.

INVITED PRESENTATIONS: (Con't)

- "Long-range side-scan sonar images of hydrocarbon seeps on the Louisiana continental slope", Houston Hydrographic Society, 10 November 1998.
- "Paleomagnetic Research, Big Science, and the Future of ODP," AGU Fall Meeting, 8 December 1998
- "Implications of Marine Geophysical Data for the Origin and Evolution of Shatsky Rise," invited seminar, SOEST, University of Hawaii, 19 March 1999.
- "Geophysical Study of Shatsky Rise: Implications for the Formation of Oceanic Plateaus," invited seminar, Dept. Geology & Geophysics, Rice University, 8 September 1999.
- "Rapid True Polar Wander Event in the Late Cretaceous," Department of Geology & Geophysics, University of Hawaii, 14 September 2000.
- "Cretaceous paleocolatitude data for the Pacific plate from DSDP and ODP basalt cores," EGS-AGU Spring Meeting, Nice, France, 7 April 2003.
- "New paleomagnetic results from Detroit Seamount, Northern Emperor Chain, and Implications for paleolatitude of the Hawaiian hot spot ", Spring AGU, Boston, MA, 31 May 2001
- "Workshop on requirements for robotic underwater drills in U.S. marine geoscience research," Spring AGU Meeting, Boston, MA, 2 June 2001.
- "Side-scan sonar studies of hydrocarbon seeps on the Louisiana continental slope," Department of Marine Science, Texas A&M Galveston, 11 February 2002
- "Perspectives on Tsunamis," American Society of Civil Engineers, Inc., Houston, 15 February 2005.
- "Perspectives on Tsunamis," Fleming Lecture Series, Southwestern University, Georgetown, TX, 18 April 2005.
- "Plate tectonics and energy resources," Fleming Lecture Series, Southwestern University, Georgetown, TX, 18 April 2005.
- "Perspectives on tsunamis," Society of American Military Engineers, Houston, TX, 18 May 2005.
- "Progress and perspectives on the Pacific plate Apparent Polar Wander Path," Fall AGU meeting, Session T16, December 10, 2007.
- "Do hotspots blow in the wind? Does the Earth roll about? Perspectives from paleomagnetism and Pacific seamounts", lecture to Seminar GG711 "Advanced Plate Tectonics", University of Hawaii, 13 November 2008.
- "Problems with Plumes", James Cook University, Department of Geology, Townsville, Australia, 7 November 2009.
- "The Shatsky Rise Supervolcano", Woods Hole Oceanographic Institution, 24 September, 2010.
- "What are Hotspots? (I thought I knew once) New Perspectives on Oceanic Volcanism", IODP Distinguished Lecture Series, presented at the following places.
- University of Florida, Department of Geology, 7 October, 2010.
 - Florida International University, Department of Earth Science, 29 October 2010.
 - University of Tennessee, Department of Earth and Planetary Sciences, 11 November 2010.
 - University of Michigan, Department of Geological Sciences, 3 December, 2010.
 - Brigham Young University, Department of Geology, 13 January 2011.
 - Massachusetts Institute of Technology, Department of Earth and Planetary Science, 23 February 2011.

Aquarium of the Pacific, Long Beach California, 16 March 2011.
Washington University of St. Louis, Department of Earth and Planetary Sciences, 24 March 2011.
University of Texas, Institute for Geophysics, 1 April 2011.
Montana Western University, Environmental Sciences, 25 April 2011.
SOEST, University of Hawaii, 27 May 2011

“Faulting within Ninetyeast Ridge and Implications for Diffuse Deformation of the Indo-Australian Plate”, Rice University, 27 September 2012.

“The Largest Single Volcano in the World is Hiding Beneath the Sea at Shatsky Rise”, Texas A&M Galveston, 16 January 2014.

“Seismic Imaging of the Largest Single Volcano in the World: the Story of Tamu Massif”, Houston Geological Society, 17 March 2014.

“The Biggest Volcano in the World is Hiding Beneath the Sea: How We Found it and Why it Matters”, Houston Museum of Natural Science, Houston, TX, June 24, 2014.

“The Biggest Volcano in the World is Hiding Beneath the Sea: How We Found it and Why it Matters”, Aquarium of the Pacific, Long Beach, CA, July 9, 2014

RESEARCH PROPOSALS FUNDED:

1. "Seamount paleomagnetism and Pacific tectonics" (with B. Keating); ONR; \$17,000; 3/1/82-6/30/83.
2. "Two-dimensional spectral analysis of marine magnetic data: implications for the prediction of sea-floor depth and morphology"; ONR; \$35,000; 1/1/85-12/31/86.
3. "An examination of marine magnetic and aeromagnetic anomaly data from the north and west Australia margins: implications for the early spreading history of the eastern Indian Ocean"; NSF; \$31,929; 4/1/85-7/1/87.
4. "Paleomagnetism of ODP Leg 101 sediments"; JOI/USSAC; \$18,200; 6/1/85-1/31/87.
5. "Correlation of magnetic susceptibility and other magnetic properties with hydrocarbons in Gulf of Mexico sediments"; CEMR; \$13,000; 9/1/86-8/31/87.
6. "Testing of seminorm potential field inversion on magnetic and gravity data from Pacific seamounts and its geologic and tectonic implications"; ONR; \$43,067; 1/1/87-12/31/88.
7. "Mississippi-Alabama marine ecosystems study, geological characterization subtask" (with R. Rezak); MMS; \$171,236; 7/31/87-7/30/90.
8. "Geologic and geophysical studies of Mesozoic Pacific guyots", paleomagnetism subtask (with E. Winterer, J. Natland, and M. McNutt); NSF; \$50,000, 1/1/88-12/31/89.
9. "Paleomagnetism of ODP Leg 116 sediments"; JOI/USSAC; \$15,000; 1/1/88-12/31/88.
10. "Workshop on ocean drilling as it relates to the resolution of tectonic frames of reference" (with R. Carlson and D. Jurdy); JOI/USSAC; \$12,956; 2/1/88-1/31/89.
11. "A Deep-Tow Magnetometer Study of the Jurassic Quiet Zone; Geomagnetic Field Behavior or Crustal Processes?" (with H. P. Johnson, R. Merrill, M. Tivey, P. Vogt, and D. Handschumacher); National Science Foundation; \$54,141, 1/1/90-12/31/92.
12. "Magnetic, sedimentologic, and physical properties variations on Shatsky Rise, ODP Site 810: paleoclimatic implications and land-sea correlations" (with T. Janacek and F. Rack); JOI/USSAC; \$30,010; 4/1/91-3/31/92.
13. "Paleomagnetic studies, ODP Leg 135, Lau Basin", JOI/USSAC; \$21,999, 5/1/91-6/1/92.
14. "Chemosynthetic Ecosystem Study", Minerals Management Service; P.I.s: 12 including W. Sager; \$1,462,766; July 1, 1991-June 30, 1994.
15. "Contributions to Paleomagnetism, Tectonics, and Seismic Stratigraphy, Leg 143", JOI/USSAC, \$22,000, P.I. W. Sager, July 31, 1992-August 31, 1993.
16. "Contributions to Magnetic Stratigraphy, Paleolatitudes, and Magnetic Properties, ODP Legs 143 and 144", JOI/USSAC, \$17,232, P.I. W. Sager and E. Polgreen, July 31, 1992-August 31, 1993.
17. "Site survey and geophysical study of the origin and evolution of Shatsky Rise"; NSF (with A. Klaus, TAMU); \$597,684; start date 2/1/94.
18. "A deep-tow magnetometer, SeaBeam, and airgun study of the Pacific Jurassic Quiet Zone" (extension); NSF; \$26,267; start date 1/1/94.
19. "Marine geophysical study of Shatsky Plateau: a test of the plume-head hypothesis", Center for Field Research (Earthwatch), \$5,400; 4/1/94-3/31/95.

RESEARCH PROPOSALS FUNDED (cont.):

20. "Site survey and geophysical study of the origin and evolution of Shatsky Rise: Collaboration with Russian Scientists"; NSF International Programs (with A. Klaus, TAMU); \$35,200; start date 5/1/94.
21. "Paleosalinity of Galveston Bay Sediments", Faculty Research Enhancement Mini-grant, \$1,200; 2/1/95-1/31/96.
22. "Site survey and geophysical study of the origin and evolution of Shatsky Rise: Collaboration with Russian Scientists"; NSF International Programs (extension); \$44,587; 7/1/95-6/30/97.
23. "Geologic Framework of Outer Shelf-Upper Slope Carbonate Structures, Northeast Gulf of Mexico: Implications for Late Quaternary Eustatic Sea Level Fluctuations and Regional Climate/Paleoecological Variability", National Undersea Research Program (NURP); \$19,998, (with W. W. Schroeder, A. W. Shultz, K. R. Ludwig, and R. O. Howard, Jr.); 8/1/95-8/7/96.
24. "Paleomagnetic Studies, ODP Leg 159, Côte D'Ivoire-Ghana Transform Margin", JOI/USSAC, \$25,720, 7/1/95-6/30/96 (with C. Mortera-Gutierrez).
25. "Stability and Change in Gulf of Mexico Chemosynthetic Communities", MMS, \$337,664, 10/1/96-3/31/00.
26. "Northeastern Gulf of Mexico Coastal and Marine Ecosystems Program: Ecosystem Monitoring, Mississippi-Alabama Shelf", MMS, \$220,000; 10/1/96-9/31/00.
27. "Paleomagnetic Study of Seamounts from the Hawaiian-Emperor, Gilbert, and Tokelau Chains: Data to Constrain Pacific Tectonic and Hot Spot Models, NSF, \$91,000; 10/1/98-9/30/99.
28. "An Alvin Program for Survey, Collection, and Analysis of Shallow Gas Hydrate Deposits, Gulf of Mexico Slope," Dept. of Energy, \$29,730, I. R. MacDonald, P.I., W. W. Sager, co-PI, 8/31/00.
29. "Requirements for Robotic Underwater Drills in U.S. Marine Geologic Research," Workshop Proposal, NSF; \$50,246, 9/1/00-8/31/01.
30. "Collaborative Project: A Deep-tow Magnetic Survey of the Jurassic Quiet Zone," NSF, \$153,584; with M. Tivy, Woods Hole Oceanographic Institution, 9/1/01-8/31/03.
31. "Geological and Geophysical Mapping of Anthropogenic and Natural Impacts on Sediment Accumulation in Galveston Bay, Coastal Management Program, Texas General Land Office, \$49,008; 9/1/01-2/28/03.
32. "Paleomagnetism of Site 1179 Basalts and Calculation of the Cretaceous Pacific Apparent Polar Wander Path," Joint Oceanographic Institutions/US Science Support Program, \$28,918; 3/1/01-9/30/02.
33. "Computer Access Fee Grant Program, Proposal to replace Oceanography student lab micro-computers and acquire server," \$17,900, granted 3/7/01.
34. "Computer Access Fee Grant Program, Proposal to enhance Oceanography student computer labs," \$9,000, granted 5/15/01.
35. "Proposal to Purchase Standard Software for Oceanography Computer Labs," College Computer Access Fee competition, \$3,099, granted 1/29/02.
36. "Geological and Geophysical Mapping of Anthropogenic and Natural Impacts on Sediment Accumulation in Galveston Bay, Phase II, "Coastal Management Program, Texas General Land Office, with T. Dellapenna, TAMUG, 10/1/02-9/31/04, \$54,035.
37. "Paleomagnetism of ODP Leg 198 Sediments and Igneous Rocks and Their Bearing on Paleolatitudes and Magnetic Stratigraphy," JOI/USSSP, 3/1/02-9/30/04, \$26,573.

RESEARCH PROPOSALS FUNDED (cont.):

38. "Oyster Reef and Anthropogenic Impacts Mapping Project in Central Texas Estuaries," Coastal Impacts Assistance Program, Texas General Land Office, with Dellapenna, 6/1/02-9/30/03, \$222,410.
39. "ODP Contributions to Paleomagnetism (Workshop proposal)," Joint Oceanographic Institutions, \$11,153, 1/1/03-12/31/04.
40. "Paleomagnetism of the Igneous Section, Hole 1301B: Implications for Crustal Magnetization and Alteration," U. S. Science Support Program (Integrated Ocean Drilling Program); \$24,320; 3/1/05-2/28/06.
41. "Geophysical and Geochemical Site Survey of Ninetyeast Ridge – Testing the Hotspot Hypothesis," NSF, \$310,559, 11/1/06-2/8/08.
42. "Multichannel Seismic Analysis of Gas Hydrate and Related Geological Structure in the NW Gulf of Mexico," Petroleum Research Fund, \$80,000, 9/1/2006-8/31/2008.
43. "Geophysical and Geochemical Site Survey of Ninetyeast Ridge – Testing the Hotspot Hypothesis," (Supplement) NSF, \$5000, 3/1/08-8/31/09.
44. "Collaborative Research: Plate Tectonic and Geochemical Evolution of the Young Walvis Ridge and its Implications for African Plate Motion Modeling", NSF, \$150,001, 9/1/10-8/31/13.
45. "Collaborative Research: Developing Prototype Floats to Measure the Geomagnetic Field in the Oceans," NSF, \$44,510, 1/1/10 – 12/31/12.
46. "Collaborative Research: Geophysical constraints on mechanisms of ocean plateau formation from Shatsky Rise, Northwest Pacific", NSF, \$353,547, 7/1/10-6/30/13.
47. "Paleomagnetism of igneous samples from Shatsky Rise, IODP Expedition 324, Consortium for Ocean Leadership, \$15,000, 3/1/10-9/30/11.
48. "Collaborative Research: A deep-AUV magnetic and seismic study of the Hawaiian Jurassic - the global significance of Jurassic magnetic lineations" (with M. Tominaga, M. Tivey, D. Lizzaralde, Woods Hole Oceanographic Institution), NSF, \$103,334, 3/1/11-2/28/13.
49. "Scientific Drilling in the South Atlantic: Rio Grande Rise, Walvis Ridge, and Surrounding areas"(workshop proposal), USSSP, Consortium for Ocean Leadership, \$16,000, 4/1/14.
50. "How did the World's Largest Single Volcano Erupt at a Mid-ocean Ridge? A Magnetic and Bathymetry Study of Tamu Massif, Shatsky Rise, Western Pacific Ocean", Schmidt Ocean Institute, proposal for ship time, 1/1/2015-12/31/2015.
51. "Mapping the Magnetic Field and Bathymetry of Tamu Massif: Understanding the Structure of the World's Biggest Volcano", National Geographic Society, \$24,000.
52. "Collaborative Proposal: How did the "World's Largest Single Volcano" form at a triple junction? A magnetic and bathymetry survey of Tamu Massif, Shatsky Rise", NSF, \$73,001, 4/1/15-12/31/16. (Co-PI with M. Tominaga, Michigan State University).

Total funding: \$ 5,207,280

TEACHING:Courses Taught – Undergraduate Texas A&M

OCNG 205	Introduction to Ocean Studies
OCNG 251	Introduction to Oceanography
OCNG 251H	Introduction to Oceanography (Honors)
OCNG 401	Introduction to Oceanography
OCNG 401H	Introduction to Oceanography (Honors)
OCNG 430	Introduction to Geological Oceanography
OCNG 485	Special Problems

Courses Taught – Undergraduate University of Houston

GEO 1360	Introduction to Oceanography
GEO 3377	Advanced Oceanography
GEO 4330	Introduction to Geophysics
GEO 4397	Marine Geophysics

Courses Taught – Graduate Texas A&M

OCNG 606	Geological Oceanography Cruise
OCNG 630	Geological Oceanography
OCNG 661	Plate Tectonics
OCNG/GEO/GEOP 666	Principles of Geodynamics
OCNG 681	How to Write and Publish a Scientific Paper
OCNG 685	Special Problems
OCNG 689	Geomagnetism, Paleomagnetism, & Marine Geology
OCNG 689	High-resolution Seafloor Mapping
OCNG/GEOP 689	Geomagnetism and Paleomagnetism
OCNG 689	High-resolution Seafloor Mapping
OCNG/GEOP 691	Directed Research

Courses Taught – Graduate University of Houston

GEO 6397	Topics in Applied Geophysics -Marine Geophysics
GEO 6397	Topics in Applied Geophysics – Practical Marine Geophysics
GEO 6396	Graduate seminar – Professional Development Seminar
GEO 6399	MS thesis research
GEO 7399	MS thesis research
GEO 8998	Doctoral research

New Courses Offered

OCNG 689	Geomagnetism, Paleomagnetism, and Marine Geology
OCNG/GEOP 689	Geomagnetism and Paleomagnetism
OCNG 661 (Revised)	Plate Tectonics
OCNG 681	Seminar in Geoscience Writing
OCNG 689	Advanced Geological Oceanography
OCNG 681	How to Write and Publish a Scientific Paper
OCNG 689	High-resolution Seafloor Mapping
GEO 4397/6397	Marine Geophysics

Other Teaching Activities

Co-Chief and Organizer for Geological Section Student Cruises, 1985, 1987, 1991
 Designed and produced student recruitment poster, 1987, 1988
 Helped to design educational poster for Ocean Leadership “Sea90e”, 2007.

Student Advising

Member of "Mentors" (student problem advising) Program, 1984-2012
 Chapter Advisor, Eta Upsilon Chapter of the Sigma Chi Fraternity, 1985-1990
 Faculty Advisor, Association of Amateur Astronomers, 1986-1988
 Faculty Advisor, Texas A&M Scuba Club, 1986-1993

Faculty Advisor, Oceanography Graduate student Council (OGC) 1996-2002
Geological Student Advisor/Coordinator 2002-2006

TEACHING: (continued)

Graduate Student Committees (*denotes active)

<u>Name</u>	<u>Dept.</u>	<u>Level</u>	<u>Committee</u>	<u>Degree Date</u>
<i>Graduates</i>				
Dawn Wright	OCNG	M.S.	Chair	Spring 1987
Susan Rhoades	OCNG	M.S.	Chair	Withdrew 1986
Helen Freitag	GEOP	M.S.	Chair	Spring 1987
Thomas Moriarty	GEOP	M.S.	Chair	Fall 1988
Lawrence Fulleton	OCNG	M.S.	Chair	Fall 1987
Scott Singleton	GEOP	M.S.	Chair	Fall 1988
David Ryan	GEOP	M.S.	Chair	Fall 1988
Jeffrey Schrull	GEOP	M.S.	Chair	Spring 1987
Brent Dayharsh	GEOP	M.S.	Chair	Withdrew 1992
Scott Laswell	OCNG	M.S.	Chair	Fall 1990
Kenneth Davis	OCNG	M.S.	Co-Chair	Spring 1992
Evelyn Polgreen	OCNG	M.S.	Chair	Fall 1993
Gwen O'Donnell	OCNG	M.S.	Chair	Spring 2001
Ryan Thomas	OCNG	M.S.	Chair	Fall 2003
Amy LaMarche	OCNG	M.S.	Chair	Fall 2003
Rousheng Hou	GEOP	M.S.	Chair	Fall 2001
Michael Peccini	OCNG	M.S.	Co-chair	Spring 2003
Sophie DeBeukelear	OCNG	M.S.	Co-chair	Fall 2003
Donald Maddox	GEOP	M.S.	Chair	Fall 2005
Giorgio de la Torre	OCNG	M.S.	Chair	Spring 2005
Masako Tominaga	OCNG	M.S.	Chair	Spring 2005
Melissa Beaman	OCNG	M.S.	Chair	Spring 2006
Mary Patch	OCNG	M.S.	Chair	Summer 2005
Amy Eisin	OCNG	M.S.	Chair	Summer 2009
Leslie Nemazi	OCNG	M.S.	Chair	Summer 2010
Hillary Hall	OCNG	M.S.	Chair	Summer 2011
Christopher Paul	OCNG	M.S.	Chair	Withdrew 2012
Danl Lewis	OCNG	M.S.	Chair	Fall 2012
Andrew Lamson	OCNG	M.S.G.	Chair	Fall 2012
Margaret Pueringer	GEOP	M.S.	Chair	Spring 2013
Michael Donohue	GEOP	M.S.	Member	Spring 1985
Wayne Gardiner	OCNG	M.S.	Member	Summer 1986
Hakan Hazneci	GEOP	M.S.	Member	Withdrew 1987
Scott Cross	OCNG	M.S.	Member	Spring 1987
Huseyin Berkman	GEOP	M.S.	Member	Withdrew 1987
Donna Walters	GEOP	M.S.	Member	Fall 1988
Patricio Goyes	OCNG	M.S.	Member	Fall 1987
Tiffany Onstedt	GEOP	M.S.	Member	Fall 1989
Jay Cole	GEOP	M.S.	Member	Summer 1988
Kelly Ku	GEOP	M.S.	Member	Fall 1984
M. C. Lee	GEOP	M.S.	Member	Withdrew 1992
Daniel Quoidbach	OCNG	M.S.	Member	Summer 1992
Jiwon Han	GEOP	M.S.	Member	Summer 1989
Leonard Lumadyo	GEOP	M.S.	Member	Fall 1990
Ken Warren	OCNG	M.S.	Member	Summer 1995
Lina Handayani	GEOP	M.S.	Member	Spring 2001
Pablo Cervantes	GEOP	M.S.	Member	August 1999
Adam Mullins	GEOP	M.S.	Member	Spring 2001
Vernon Moore	GEOP	M.S.	Member	Summer 2002
James Orofino	GEOP	M.S.	Member	Spring 2005

Graduate Student Committees

Andres Pazmino	OCNG	M.S.	Member	Spring 2005
Jamie Collins	GEOP	M.S.	Member	Fall 2004
Jason Bronikowski	OCNG	M.S.	Member	Fall 2004
Jennifer Pikewitz	OCNG	M.S.	Member	Spring 2007
Idris Murad	GEPL	M.S.	Member	Spring 2009
Erin Weaver	OCNG	M.S.	Member	Spring 2010
Dean Merrill	OCNG	Ph.D.	Co-Chair	Withdrew 1996
Carlos Mortera	GEOP	Ph.D.	Co-Chair	Spring 1996
Hyun-Chul Han	GEOP	Ph.D.	Co-Chair	Fall 1993
Changshik Lee	OCNG	Ph. D.	Chair	Spring 1995
Jinho Kim	OCNG	Ph. D.	Chair	Spring 1999
Steve Erck	GEOP	Ph. D.	Co-Chair	Fall 2004
Masako Tominaga	OCNG	Ph.D.	Chair	Spring 2009
Jinchang Zhang	OCNG	Ph. D.	Chair	Spring 2014
Christian Noll	OCNG	Ph. D.	Member	Summer 2008
Sugiarta Wirasantosa	OCNG	Ph.D.	Member	Spring 1992
David Divins	OCNG	Ph.D.	Member	Summer 1991
Arvo Buck	OCNG	Ph.D.	Member	Withdrew 1987
Bruce Bergenback	GEOP	Ph.D.	Member	Withdrew 1986
William Bandy	GEOP	Ph.D.	Member	Summer 1992
Shufa Dwan	GEOP	Ph.D.	Member	Summer 1991
C. W. Kue	GEOP	Ph. D.	Member	Summer 1994
Jie Zhang	OCNG	Ph.D.	Member	Summer 1994
Sungat Altis	GEOP	Ph.D.	Member	Summer 1994
C.-Y. Yan	GEOP	Ph. D.	Member	Summer 1995
Kathy Locke	OCNG	Ph. D.	Member	Summer 1995
J.Y. Liu	OCNG	Ph. D.	Member	Fall 1998
Jennifer McGuire	GEOP	Ph. D.	Member	Fall 2003
Chester J. Weiss	GEOP	Ph. D.	Member	Fall 1998
Brian Cerney	GEOP	Ph. D.	Member	Spring 2001
Syamsu Alam	GEOP	Ph. D.	Member	Spring 2001
Alfonso Benavides-Iglesias	GEOP	Ph. D.	Member	Spring 2007
John Brand	OCNG	Ph. D.	Member	Fall 2004
Martin Finn	GEOP	Ph. D.	Member	Fall 2006
Joseph Carlin	OCNG	Ph.D.	Member	Spring 2014
Joshua Williams	OCNG	Ph.D.	Member	Fall 2014
Scott Chaffey	CHEM	Ph.D.	G.C.R.	Summer 1993
Ivan Font Lago	CHEM	Ph.D.	G.C.R.	Fall 1993
Robert W. Griffin	AGRO	Ph.D.	G.C.R.	Summer 1991
Michael A. Fitzgerald	ANTH	Ph.D.	G.C.R.	Spring 1995
James A. Wall	CPSI	Ph. D.	G.C.R.	Fall 1993
<i>Active Students</i>				
Yanming Huang	OCNG	Ph. D.	Chair	

Texas A&M Totals: Ph. D. graduated chair (7); Ph. D. graduated committee (25); MS graduated chair (27), MS graduated committee (23); Current: Ph.D. chair (1)

University of Houston

Daniel Engfer	EAS	M.S.	Chair	
Vaughn Robla	EAS	M.S.	Chair	
Sriharsha Thoram	EAS	M.S.	Chair	
Elena Ermolaeva	EAS	M.S.	Chair	
Avradip Ghosh	EAS	Ph.D.	Chair	

Graduate Student Committees

Xix Wang	EAS	M.S.	Member	
Tucker Conklin	EAS	M.S.	Member	
Luan Nguyen	EAS	M.S.	Member	Spring 2015
Alex Barnard	EAS	Ph.D.	Member	Spring 2015
Ismot Jahan	EAS	Ph.D.	Member	
Stephen Leslie	EAS	Ph.D.	Member	Spring 2015
Bryan Ott	EAS	Ph.D.	Member	Spring 2015
Felipe Lozano	EAS	Ph.D.	Member	
Eray Kocel	EAS	Ph.D.	Member	
Olufemi Akanbi	EAS	Ph.D.	Member	
Ayodeli Babalola	EAS	Ph.D.	Member	
Jainnan Wang	EAS	Ph.D.	Member	Spring 2016
Riddhi Dave	EAS	Ph.D.	Member	
Ramaya Ravindranathan	EAS	Ph.D.	Member	
Carolina Ramon Duenas	EAS	Ph.D.	Member	
Tithi Ghosh	EAS	Ph.D.	Member	

University Houston Totals: Ph. D. graduated chair (0); Ph. D. graduated committee (1); MS graduated chair (0), MS graduated committee (0); Current: Ph.D. chair (0); Ph. D. committee (13); M.S. chair (2); M. S. committee (3)