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EDUCATION

1970 Christopher Columbus High School, Boston MA
1975 University of Pennsylvania
B.A. (Geology)
1980 State University of New York at Albany
Ph.D. (Geology)

PROFESSIONAL EXPERIENCE

1975 - 1980 Research and Teaching Assistant (Geology)
State University of New York at Albany
1980 - 1986 Assistant Professor
University of Houston, Department of Geosciences
1986 - 1996 Associate Professor
University of Houston, Department of Geosciences
1989-Present Director: University of Houston ICP Lab (ICP-OES, MP-ICP-AES, LA-ICP-MS)
1997 - present Professor
University of Houston, Department of Geosciences
1999 -2012 Department Chair
University of Houston, Department of Earth and Atmospheric Sciences (name change)
Oversight of 5 undergraduate degree programs and 3 MS and 3 Ph.D. graduate programs
Ph.D. Degrees in Geology, Geophysics and Atmospheric Sciences
1994 - 2006 United States Project Coordinator
United States - Russia Joint Oceanographic Agreement (*per* World Oceans Agreement)
Project: Mid-Atlantic Ridge Crest Processes
1985, 1990, Guest Investigator
1991, 1992 Woods Hole Oceanographic Institution
1987 - 1988 Guest Investigator (on sabbatical leave)
Woods Hole Oceanographic Institution

OCEANOGRAPHIC EXPEDITIONS

(Oceanographic Vessels, Drilling Ships and Deep Diving Submersibles)
1977 April Cayman Trough Region. Participant. Cayman Trough Survey aboard R/V Oceanus. Conducted dredging and support operations for submersible program.
1979 October Tamayo Fracture Zone. Participant. Tamayo Fracture Zone Survey, aboard R/V Gillis. Conducted dredging and support operations for the submersible program

1980	June – July	Oceanographer Fracture Zone. Participant. Oceanographer Fracture Zone Survey, aboard R/V Knorr and DSRV Alvin R/V Lulu. Conducted ANGUS survey, dredging and heat flow studies, completed submersible dives at the transform ridge intersection
1986	May – June	MARK Area (Mid-Atlantic Ridge South of the Kane Fracture Zone) Participant aboard R/V Atlantis II/DSRV Alvin. Conducted submersible studies, ANGUS and SEABEAM surveys, and dredging program within the rift valley.
1989	February	Mid-Atlantic Ridge near 31°N. Participant aboard R/V Akademik Boris Petrov. Conducted multi-beam, gravity, magnetic, seismic and sampling surveys on the first cruise as part of a United States – Soviet bilateral agreement.
1989	June – July	Kings Trough, North Atlantic near 42°N. Chosen as diver in the first joint United States – Soviet submersible dive. Aboard R/V Akademik Mstislav Keldysh/DSRV MIR I and MIR II. Also conducted side-scan, deep bottom photographic, and piston coring studies. First U.S Scientist to dive in Russian Submersible or submarine of any class.
1990	October – November	Mid-Atlantic Ridge (30 – 34°N). Conducted multi-beam, gravity, magnetic, seismic and sampling surveys, aboard R/V Akademik Boris Petrov as part of United States – Soviet Bilateral Agreement (U.S. Co-chief Scientist)
1991	May – June	Siquieros Transform Fault (East Pacific Rise). Conducted multi-beam, DSRV Alvin submersible and dredging operations.
1992	March – April	FARANAUT 15°20'. Survey to the Mid-Atlantic Ridge near the 15°20' transform. Conducted DSRV Nautilie submersible dives, SIMRAD multi-beam, gravity, and magnetic studies of the transform and adjacent ridge segments, and water column studies of methane and Mn anomalies. Aboard R/V L'Atalante
1993-1994	November – January	Leg 153, Ocean Drilling Project – Drilling of peridotite and gabbro in the MARK region aboard the R/V JOIDES Resolution. Proposal Co-author.
1998	April 15, 1998 – June 15	Leg 179, Ocean Drilling Project – Chief Scientist, Hammer Drilling and Nintey East Ridge Seismic Observatory. Coring of gabbroic rocks.
1998	June 30 – July 30	R/V Yokuska and DSRV Shinkai 6000 Submersible Study of the Mid-Atlantic Ridge near the 15°20' transform. Magnetics, Gravity, Multibeam and Submersible Sampling
2003	May – July 2003	Leg 209, Mantle drilling along the Mid-Atlantic Ridge, 14 – 16°N. Proposal co-author.
2007	March – April	TOBI Side Scan sonar, multi-beam, magnetic, gravity, dredging and rock drilling, mid-Atlantic ridge 14 – 16°N, Aboard the R/V James Cook

FIELD MAPPING

1973	May – July 1973 (8 weeks)	University of Houston Summer Field Camp Silver City, New Mexico
1975	Sept.– Oct. 1975 (4 weeks)	Senior Research Project University of Pennsylvania Fabric Analysis Hickory Run State Park, Pennsylvania
1976	June – August	Detailed mapping of the North arm Mt. Massif, Bay of Islands
1977	June – August	Ophiolite Complex, Newfoundland – structure, tectonics and
1978	June – August (40 weeks)	petrology
1980	May – June 1980 (4 weeks)	Detailed mapping of a portion of Taconic Allochthon, Vermont
1981	June – August	Detailed mapping and sampling on the Blow-Me-Down Massif,
1982	June – August	Bay of Islands ophiolite, Newfoundland – structure, tectonics,
1983	June – August	petrology, paleomagnetism
1984	June – July (32 weeks)	
1984	August (3 weeks)	Detailed and Reconnaissance mapping and sampling within the Karsanti-Pozanti Ophiolite, Eastern Taurides, Turkey
1985	June – July	Mapping, paleomagnetic and geochemical sampling within the
1986	July	Humber Arm Sedimentary Allochthon
1987	July (19 weeks)	
1985	July – August	Detailed Mapping, Paleomagnetic and Geochemical Sampling
1989	July – August	in the Hatay Karsanti-Pozanti Ophiolites and Kirikan Rift Valley
1990	August (20 weeks)	of Southeastern Turkey
1981	1981 – present (35 weeks)	Reconnaissance Mapping in the Parras Basin and Sierra Madre
1995	(1 week)	Oriental, Northeastern Mexico
1996	(2 days)	Antalya Ophiolite, Turkey
2009	July 2009 (1 week)	Iceland
2010	March 2010 (4 days)	Field work in the Dabi Shan High Pressure Metamorphic Rocks, Dabi Mountains, China
2010	July (2 weeks)	Mapping Extensional Structure in the Rio Grand Graben
2011	March 2011 (7 Days)	Reconnaissance mapping and sampling, Shetland Islands Ophiolites and Northern Ireland Arc-like ophiolites. Field Work, Indio Ranch Research Station, West Texas

PROFESSIONAL AFFILIATIONS

American Geophysical Union - member
Geological Society of America - member

AWARDS AND HONORS

1970 – 1974	Massachusetts State Scholarship
1970 – 1974	Full Academic Scholarship, University of Pennsylvania

- 1980 Distinguished Dissertation Award
State University of New York at Albany
- 1981 Honors Convocation Award
State University of New York at Albany
- 1990 Faculty Excellence Award
University of Houston
- 1990 Commendation of Academic Achievement and Leadership
Mayor and the City Council of Houston
- 1995 - 1996 Distinguished Lecturer
Joint Oceanographic Institutes and U.S. Science Advisory Committee
- 1998 Shell Interdisciplinary Scholar

NATIONAL AND INTERNATIONAL COMMITTEES

- 1989 Steering Committee: Workshop on “Drilling the Lower Oceanic Crust and Mantle”, sponsored by the JOI-US Science Advisory Committee, the International Lithosphere Program Working Group on the Nature and Evolution of the Oceanic Lithosphere and Keck Geodynamics Program (Woods Hole Oceanographic Institution)
- 1990 – 1993 Joint Oceanographic Institutes/U.S. Science Advisory Executive Committee (USSAC)
- 1991 – 1992 Offset Drilling Working Group. Ocean Drilling Project Committee to Assess Drilling Composite Sections of the Oceanic Crust and Upper Mantle
- 1993 UNOLS Review Panel – Use of Navy Submersibles
- 1994 – 1998 Site Survey Panel, Ocean Drilling Project Review Panel
- 1996 Review Panel – Civilian Defense Research Fund for Former Soviet Union Scientists
- 2005, 2011 Review Panel –Marine Geology and Geophysics, National Science Foundation

PH.D. DISSERTATION

- 1980 The Geology of the Southern Half of the North Arm Mountain Massif, Bay of Islands Ophiolite Complex, Western Newfoundland with Application to Ophiolite Obduction and the Genesis of Plutonic Portions of the Oceanic Crust and Upper Mantle
State University of New York, Albany, 594pp.
Advisor: John F. Dewey, F.R.S., Member U.S. Academy of Sciences

PUBLICATIONS

1. 1979 Nelson, K. D. and Casey, J. F., Ophiolitic detritus in the Upper Ordovician flysch of Notre Dame Bay and its bearing on the tectonic evolution of western Newfoundland: Geology, 7:27-31.
2. 1979 Casey, J. F., Karson, J., O'Connell, S., and Rosenkrantz, E., Comment on “The seismic velocity structure of a traverse through the Bay of Islands Ophiolite Complex Newfoundland, an exposure of oceanic crust and upper mantle” by Mathew H. Salisbury and Nikolas I. Christensen: Journal of Geophysical Research, 84:6299-6300.

3. 1981 [Casey, J. F.](#), Dewey, J. F., Fox, P. J., Karson, J. A., and Rosencrantz, E., Heterogenous nature of the oceanic crust and upper mantle: a perspective from the Bay of Islands Ophiolite Complex: in [The Sea, V.III, Emiliani, C., Ed.](#), John Wiley, p. 305-338. (65 Citations)
4. 1981 [Casey, J. F.](#) and Kidd, W.S.F., A parallochthonous group of sedimentary rocks overlying the Bay of Islands Ophiolite Complex on North Arm Mountain, western Newfoundland, [Canadian Journal of Earth Sciences](#), 18-6: 2035-2050.
5. 1981 [Casey, J. F.](#) and Karson, J. A., Magma chamber profiles from the Bay of Islands Ophiolite Complex: Implications for crustal-level magma chambers at mid-ocean ridges, [Nature](#), 292:295-301. (41 Citations).
6. 1982 [Casey, J. F.](#) and Karson, J. A., "Magma chamber profiles from the Bay of Islands Ophiolite Complex" -- Matters Arising - Reply. [Nature](#), 295:717.
7. 1982 Elthon, D., [Casey, J.F.](#), and Komor, S., Mineral chemistry of ultramafic cumulates from the North Arm Massif of the Bay of Islands Ophiolite: Evidence for high pressure of crystal fractionation of oceanic basalts, [Journal of Geophysical Research](#), 87: 8717-8734.
8. 1983 [Casey, J. F.](#), Karson, J. A., Elthon, D., Rosencrantz, E., and Titus, M., Reconstruction of the geometry of accretion during formation of the Bay of Islands Ophiolite Complex, [Tectonics](#), 2-6:509-528.
9. 1984 Elthon, D. and [Casey, J. F.](#), Comment on "Soret separation of mid-ocean ridge basalt magma" by D. Walker and S. E. Delong. [Contributions to Mineralogy and Petrology](#), 85:197-202.
10. 1984 [Casey, J. F.](#), and Dewey, J. F., Initiation of subduction zones along transform and accreting plate boundaries, triple junction evolution and forearc spreading centers: implications for ophiolite geology and obduction. In: [Ophiolites and Oceanic Lithosphere](#), I.G. Gass, S.J. Lippard, and A.W. Shelton (editors), Blackwell, London, pp. 83-97. (104 Citations)
11. 1984 Elthon, D, [Casey, J.F.](#), and Komor, S., Cryptic mineral chemistry variations in a detailed traverse through the cumulate ultramafic rocks of the North Arm Mountain massif of the Bay of Islands Ophiolite, Newfoundland. In: [Ophiolites and Oceanic Lithosphere](#), I.G. Gass, S.J. Lippard and A.W. Shelton (editors), Blackwell, London, pp.269-290.
12. 1984 OTTER (Oceanographer Tectonic Research Team), The Geology of the Oceanographer Transform: the ridge-transform intersection. [Marine Geophysical Research](#), 6:109-141.
13. 1984 Karson, J. A., Collins, J. A., and [Casey, J. F.](#), Geologic and seismic structure of the crust mantle transition in the Bay of Islands Ophiolite Complex. [Journal of Geophysical Research](#). 89-B7:6126-6138.
14. 1984 Ghosh, N., Hall, S., and [Casey, J. F.](#), Seafloor spreading magnetic anomalies in the Venezuelan Basin. [G.S.A. Memoir 162, The Caribbean-South American Plate Boundary and Regional Tectonics](#), edited by W.E. Bonnini, R.B. Hargraves, and R.Shagam, pp. 65-79.
15. 1984 Karson, J. A., [Casey, J. F.](#), Elthon, D.L., and Titus, M., Deformed and metamorphosed rock assemblages recognized in the Bay of Islands Ophiolite Complex. [Ophioliti](#), 9 (3):463-486.
16. 1984 Ashabranner, D. E. and [Casey, J. F.](#), Computer modeling of complex seismic structures at mid-ocean ridges. [Annual Report of the Allied Geophysical Lab](#), University of Houston, 14:492-509
17. 1985 Elthon, D. and [Casey, J. F.](#), The very depleted nature of certain primary mid-ocean ridge basalts. [Geochemica et Cosmochemica Acta](#), 49-1:289-298.

18. 1985 Ashabranner, D. E., and [Casey, J. F.](#), Analysis of seismic structure at fast spreading centers using ophiolite-derived geologic models of accretion. Annual Report of the Allied Geophysical Lab, University of Houston, 15:44-60.
19. 1985 Siroky, F., Elthon, D., [Casey, J. F.](#), and Butler, J., Modeling of crystal fractionation processes in diabases and basalts from the North Arm massif of the Bay of Islands Complex, Newfoundland. Tectonophysics, 116: 41-61.
20. 1985 Komor, S., Elthon, D. and [Casey, J. F.](#), Cryptic variations in layered cumulate ultramafic rocks of the North Arm massif, Bay of Islands Ophiolite, Newfoundland: characteristics of magmatic processes in the lower portions of mid-ocean ridge magma chambers. Journal of Geophysical Research, 90:7705-7736.
21. 1985 [Casey, J. F.](#), Elthon, D., Siroky, F. X., Karson, J.A., and Sullivan, J., Geochemical and geological evidence bearing on the origin of the Bay of Islands and Coastal Complex ophiolites of western Newfoundland. Tectonophysics, 116:1-40.
22. 1985 Komor, S.C., Elthon, D.E., and [Casey, J. F.](#), Serpentinization of cumulate ultramafic rocks from the North Arm Mountain massif of the Bay of Islands ophiolite. Geochemica et Cosmochemica Acta, 49:2331-2338.
23. 1985 OTTER (Oceanographer Tectonic Research Team), The geology of the Oceanographer Transform: the transform domain. Marine Geophysical Research, 7:329-358.
24. 1985 Ashabranner, D. and [Casey, J.F.](#), Further computer modeling of the seismic structure of fast spreading centers using ophiolite-derived geologic models of accretion. Annual Report of the Allied Geophysical Lab, 16:207-229.
25. 1986 Hall, S., [Casey, J. F.](#), and Elthon, D., A possible explanation of gravity anomalies over mid-ocean ridges. Journal of Geophysical Research, 91:3724-3738.
26. 1986 Elthon, D., Karson, J.A., [Casey, J. F.](#), Sullivan, J., and Siroky, F.X., Geochemistry of diabase dikes from the Lewis Hills massif, the Bay of Islands Ophiolite: evidence for partial melting of oceanic crust in transform faults. Earth and Planetary Science Letters, 78:89-103.
27. 1987 Komor, S. C., Elthon, D., [Casey, J. F.](#), Petrology of a leucogabbroic interval within basal layered gabbros at North Arm Mountain, Bay of Islands Ophiolite. Contributions to Mineralogy and Petrology, 95:278-300.
28. 1987 Karson, J. A., G. Thompson, S. E. Humphris, J. M. Edmond, W. B. Bryan, J. R. Brown, A. T. Winters, R. A. Pockalny, [Casey, J.F.](#), A. C. Campbell, G. Klinkhammer, M. R. Palmer, R. J. Kinzler, and M. M. Sulanowska, Along-axis variations in seafloor spreading in the MARK area, Nature, 328, 681-685. (164 Citations)
29. 1988 Campbell, A.C., Palmer, M.R. Klinkhammer, G.P., Bowers, T.S., Edmond, J.M., [Casey, J. F.](#), Lawrence, J.R., Thompson, G., Humphris, S., Rona, P., Karson, J.A., Chemistry of hot springs on the Mid-Atlantic Ridge: TAG and MARK Sites, Nature, 335:514-519. (275 Citations).
30. 1989 Lindholm, R. and [Casey, J. F.](#), Regional tectonic significance of the Blow Me Down Brook Sandstone: new fossil evidence of an early Cambrian age. Geological Society of America Bulletin, 101: 1-13.

31. 1990 Beauboeuf, R., [Casey, J.F.](#), Hall, S.A., Evans, I., A paleomagnetic investigation of the Lower Ordovician St. George Group, Port au Port Peninsula, Newfoundland: Evidence for a late Paleozoic remagnetization and implications for the Iapetus Ocean, Tectonophysics 182:337-356.
32. 1990 Lindholm R. and [Casey, J.F.](#), The distribution and biostratigraphic significance of the ichnogenerus *Oldhamia* and other trace fossils in the shales of the Blow Me Down Brook Formation, western Newfoundland, Canadian Journal of Earth Sciences, 27:1270-1287.
33. 1991 Bird, D. E., Hall, S. A., [Casey, J. F.](#), and Millegan, P. S., 1991, Integrated geophysical interpretation of the Grenada Basin: in, Expanded Abstracts of the Technical Program, SEG 61st Annual International Meeting and Exposition, 172-175.
34. 1991 Jonas, J., Hall, S.A., [Casey, J.F.](#), Gravity anomalies over extinct mid-ocean ridge spreading centers, Journal of Geophysical Research, 91:3724-3738.
35. 1991 [Casey, J.F.](#) and Dmitriev, L., Ridge Activities of the Soviet Union, Ridge Newsletter.
36. 1991 Silantyev, S.A, Makakjan, R., Zlobin, S.K., Gurenko, A.A., Basylev, B., Koshkin, A.V., Tsamerjan, O.P., Bogdanovski, O.G., Klitgord, K., [Casey, J.F.](#), Bryan, W., Agar, S. New data on the construction of the oceanic crust in the Central Atlantic, 30°-34°N, Reports of the Russian Academy of Sciences 317(6);1443-1446.
37. 1991 Klitgord, K., [Casey, J.F.](#) , Silnatyev, S. Bryan, W., Agar, S, 16 Cruise of the R/V Boris Petrov (Leg 1), U.S. Soviet Collaborative Geological and Geophysical Survey of the Mid-Atlantic Ridge between 30-34°N, U.S. Geological Survey Open File Report, 91-120: 1-21.
38. 1992 [Casey, J.F.](#) [Casey, J.F.](#) , Cannat, M, Bougault, H. Mid-Atlantic Ridge Survey Opens New Windows to Offset Drilling, JOI USSAC Newsletter, p. 1-4.
39. 1992 Silantyev, S.A, Basylev, B., Klitgord, K., [Casey, J.F.](#) , Kuz'min, M., Lomakin, I.E., Sborshchikov, I. Composition of Layer Three of the Oceanic Crust, North Atlantic, 40° - 51°N. Russian Academy of Sciences, 12:1415-1436
40. 1993 Lytwyn, J. and [Casey, J.F.](#) , The geochemistry and petrogenesis of volcanics and sheeted dikes in the Hatay (Kizildag) Ophiolite, southern Turkey: possible formation with the Troodos Ophiolite, Cyprus along fore-arc spreading centers, Tectonophysics 223: 237-272
41. 1993 Bird, D., Hall, S., [Casey, J.F.](#) and Millegan, P.S., Interpretation of Magnetic Anomalies over the Grenada Basin, Tectonics, 12:1267-1279.
42. 1994 Bryan, W., Humphris, S., Thompson, G., [Casey, J.F.](#) , Comparative Volcanology of Small Axial Eruptive Centers in the MARK Area, Journal of Geophysical Research 99:3013-3029. (41 Citations)
43. 1995 Leg 153 Shipboard Scientific Party, Probing the Foundation of the Mid-Atlantic Ridge, EOS, 76-13: 129-133.
44. 1995 Leg 153 Shipboard Scientific Party, Initial Reports of the Ocean Drilling Project. Leg 153, p 1-520 (Book).

45. 1995 Cannat, M. and Casey, J.F. An Ultramafic Lift at the Mid-Atlantic Ridge: Successive Stages of Magmatism in Serpentinized Peridotites from the 15°N region, in: Vissers and Nicholas, A. (Eds.), Mantle and Lower Crust Exposed in Oceanic Ridges and Ophiolites, Kluwer Academic Publications, p. 5-34. (85 Citations)
46. 1995 Lytwyn, J. and Casey, J.F. , The geochemistry and petrogenesis of post-kinematic mafic dike swarms and metamorphic sole amphibolites, Pozanti-Karsanti Ophiolite, Turkey: Evidence for Ridge Subduction, Geological Society of America Bulletin, 107:830-850.
47. 1995 Polat, A. and Casey, J. F., Neotethyan Aladag accretionary complex: a structural record of the emplacement of the Pozanti Karsant Ophiolite on to the Mendere-Taurus Block, eastern Taurides, Turkey, Journal of Structural Geology, 17(12):1673-1688.
48. 1995 Silantyev, S., Casey, J.F. and Smith, S.E., Composition and metamorphic conditions of rocks from Layer 3 of the oceanic crust in the offset portion of the Hayes Fracture Zone, Central Atlantic, Petrology, 3:424-439
49. 1996 Silantyev, S., L. Dmitriev, L.V., Levsky, Lk, Casey, J.F. , Basilev, B.A., Bougault, H., Residual Peridotites from the 15° 20' Fracture Zone, Mid-Atlantic Ridge-A possible analogue for ancient metasomatized mantle below St Paul's Rock in: Udinsev, G.B. ed., Equatorial Segment of the Mid-Atlantic Ridge, IOC Technical Series no. 46, Unesco, p. 95-98.
50. 1996 Polat, A., Casey, J.F. , and Kerrich, R, Geochemical characteristics of accreted material beneath the Pozanti-Karsanti ophiolite, Turkey: Intra-oceanic detachment, assembly, and obduction, Tectonophysics, 263:249-276.
51. 1996 Perfit, M.R., Fornari, D., Ridley, W.I., Kirk, P., Casey, J.F. , Kasetns, K.A., Reynolds, J.R., Edwards, M., Desonie, , D., Shuster, R., and Paradis, S., Recent Volcanism in the Siqueiros Transform Fault: Picritic Basalts and Implications for MORB magma genesis, Earth and Planetary Science Letters, 141:91-108. (79 Citations).
52. 1996 Polat, A., Kerrich, R. and Casey, J.F. , Geochemistry of Quaternary basalts erupted along the East Anatolian and Dead Sea fault zones of southern Turkey: Implications for mantle sources, Lithos 517, 1-13.
53. 1996 Silantyev, S., L. Dmitriev, L.V., Casey, J.F. , Basilev, B.A., Bougault, H., Levsky, L.K., An examination of genetic conformity between co-existing basalt, gabbro, and residual peridotites from 15° 20'N Fracture Zone, Central Atlantic: Evidence from Isotope Compositions of Sr, Nd, and Pb. InterRidge Newsletter, 4(2), p. 18 - 21.
54. 1997 Cannat, M., Gabrielle, Y, Bougault, H., Casey, J. F., de Coutures, N., Dmitriev, L., Fouquet, Y., Ultramafic and gabbroic exposures at the Mid-Atlantic Ridge: Geological mapping in the 15°N region, Tectonophysics 279:193-213. (108 Citations)
55. 1997 Casey, J. F., Comparison of major, trace, and rare earth element geochemistry of Leg 153 abyssal peridotites and mafic plutonic rocks with basalts from the MARK region of the Mid-Atlantic Ridge, in Karson, J., Cannat, M., Miller, J and Elthon, (Eds.); Proceedings of the Ocean Drilling Project, Scientific Results, Vol. 153, p181-241.
56. 1997 Kempton, P and Casey, J.F. , Petrology and geochemistry of cross-cutting diabase dikes, Sites 920 and 921, ODP Leg 153, in Karson, J., Cannat, M., Miller, J., and Elthon, (Eds.); Proceedings of the Ocean Drilling Project. Scientific Results, Vol. 153, p363-377.

57. 1997 Agar, S., [Casey, J.F.](#) , and Kempton, P., Textural, Geochemical, and Isotopic Variations in Gabbroic Shear Zones From the MARK Area: in Karson, J., Cannat, M., Miller, J., and Elthon, (Eds). (Proceedings of the Ocean Drilling Project, Scientific Results, Vol. 153, p99-121.
58. 1997 Lytwyn, J, [Casey, J.F.](#) , Gilbert, S., and Kusky, T., Arc-like MORB formed seaward of a trench-forearc system during ridge subduction: an example from sub-accreted ophiolites in Southern Alaska, *Journal of Geophysical Research* 102:10,225-10,243.
59. 1998 [Casey, J.F.](#) , Pettigrew, T.J., Miller, F.J., Leg 179 Preliminary Report: Ocean Drilling Program, No. 79:1-28 (<http://www-odp.tamu.edu/publications>).
60. 1998 Smith, S. E., [Casey, J. F.](#), Bryan, W. B.; Dmitriev, L.; Silantsev, S.; Magakyan, R., Geochemistry of basalts from the Hayes Transform region of the Mid-Atlantic Ridge, *Journal of Geophysical Research*, Volume 103, Issue B3, p. 5305-5329.
61. 1998 Bird, D. E., Hall, S. A., [Casey, J. F.](#), and Millegan, P. S., 1998 Interpretation of magnetic data at low latitudes: potential pitfall: in, Millegan, P. S., and Gibson, R. I. (Editors), *Geologic Applications of Gravity and Magnetism: Case Histories: AAPG Studies in Geology*, No. 43 / SEG Geophysical Reference Series, No. 8, 53-57.
62. 1998 [Casey, J.F.](#) , Miller, J. and Leg 179 Scientific Party, Leg 179: Hole 1105A and NERO Hole 1107A, *JOIDES Journal*, 24:15-18.
63. 1998 Matsumoto, T, Kelemen, P., [Casey, J.F.](#) , Braun, M.G., Fujiwara, F., Joshima, M. Takeuchi, A, and Ceuleneer, G, Precise geological and geophysical mapping on both sides of the 15° 20'N fracture Zone on the MAR - tectonic extension and its consequent exposure of ultramafic and plutonic rocks along the magma-poor ridge axis (Mode98 Leg 1 Cruise), *InterRidge*, V7, no.2, p13-17.
64. 1999 Bird, D. E., Hall, S. A., [Casey, J. F.](#), and Millegan, P. S., Tectonic evolution of the Grenada Basin: in, Mann, P. (Editor), *Caribbean Sedimentary Basins: Elsevier Science B. V.*, Amsterdam, 387-414.
65. 1999 Pettigrew, T.L., [Casey, J.F.](#) , Miller, D.J., et al., Proc. ODP, Init. Repts., 179: College Station, TX (Ocean Drilling Program) p-1-183. doi:10.2973/odp.proc.ir.179.1999.
66. 1999 [Casey, J.F.](#) , Pettigrew, T.J., Miller, F.J, and Shipboard Scientific Party, Leg 179 Summary of Proceedings of the Ocean Drilling Project, Initial Reports Volume 179, Texas A&M University, College Station (Ocean Drilling Program), 1-26.
67. 1999 Fujiwara, T., T. Matsumoto, P. B. Kelemen, M. Joshima, [J. F. Casey](#), A. Takeuchi, G. M. Ceuleneer, M. G. Braun, and S. Kanda, Bathymetry, geomagnetic and gravity anomalies of the Mid-Atlantic Ridge between 14°N and 16°N, *JAMSTEC Journal of Deep Sea Research*, 15, 13-27,
68. 2000 [Casey, J.F.](#) , Miller, J., and Leg 179 Shipboard Scientific Party Leg 179, Hole 1105A and NERO Hole 1107A. *JOIDES J.*, 24:15-18.
69. 2000 Fujiwara, F., Matsumoto, T., Kelemen, P., [Casey, J.F.](#) , Braun, M.G., Joshima, M. Takeuchi, A, and Ceuleneer, G, Underway Geophysical Results from the Mode 98 Cruise to the Mid-Atlantic Ridge, 14-16°N, *Bulletin of Deep-sea Research (JAMSTEC)*.

70. 2000 Lytwin, J., [Casey, J.F.](#) , Gilbert, S. and Kusky, T., Geochemistry of near-trench intrusives associated with ridge subduction, Seldovia Quadrangle, southern Alaska. *Journal of Geophysical Research* 105:2:27,957-27,979.
71. 2001 Smith-Nagihara, S., and [Casey, J.F.](#) , Whole-rock geochemistry of amphibolites and metagabbros from the west Iberia margin, Leg 173. In Beslier, M.-O., Whitmarsh, R.B., Wallace, P.J., and Girardeau, J. (Eds.), *Proc. ODP, Sci. Results*, 173 [Online]. Available from World Wide Web: http://www.odp.tamu.edu/publications/173_SR/chap_10/chap_10.htm.
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92. 1994 Dix, M.C., Reid, D.R., and Casey, J.F., 1994, Womble "Shale" (Middle Ordovician): A Taconian-derived submarine fan complex in the Broken Bow uplift, Ouachita allochthon, Oklahoma [abs.]: *Geological Society of America Abstracts with Programs*, v. 26, p. 6.
93. 1994 Reid, D.R., Dix, M.C., and Casey, J.F., 1994, Provenance of Ordovician-Silurian siliciclastic rocks in the Broken Bow uplift, Ouachita allochthon, Oklahoma [abs.]: *Geological Society of America Abstracts with Programs*, v. 26, p. 25.
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133. 2007 Barzoi, C. A.; [Casey, J. F.](#); Gao, Y.; Lapen, T. Trace Element Study of MORB Glasses from 14° - 16°N along Mid-Atlantic Ridge by LA-ICP- MS, *Eos Trans. AGU*, 88(52), Fall Meet.
134. 2007 J Huang, [J F Casey](#), Y Gao Trace Element Geochemical Signature of Basalts and Diabases from the Bay of Islands Ophiolite in Western Newfoundland, *Eos Trans. AGU*, 88(52), Fall Meet.

135. 2008 Bird, D. E., Hall, S. A., Burke, K., [Casey, J. F.](#), and Sawyer, D. S., 2008, Mesozoic seafloor spreading history of the Central Atlantic Ocean: Conjugate Margins Conference, Dalhousie Univ., Halifax, Nova Scotia.
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139. 2008 [John F. Casey](#) , Yongjun Gao , Roger C. Searle, Christopher MacLeod , Bramley J. Murton and James Cook 007 Scientific Party R.V. James, A Slow Spreading Ridge with Ultra-Slow Melt Supply Characteristics: The Mid-Atlantic Ridge at 12° -16° N.2008 GSA Annual Meeting Abstracts with Programs, Houston, TX.
140. 2008 Carmen A. Dragoi, [John F. Casey](#), Yongjun Gao and Tomas Lapen Trace Element Geochemistry of MORB Glasses from 14° -16° N along Mid-Atlantic Ridge, 2008 GSA Annual Meeting Abstracts with Programs, Houston, TX.
141. 2008 Gao, Y., [John F. Casey](#) and Jonathan E. Snow, Lithium Isotopic Systematics in Minerals from Fresh Abyssal Peridotite at Gakkell Ridge: Subsolidus Diffusive Fractionation Versus Melt-Rock Interaction 2008 GSA Annual Meeting Abstracts with Programs, Houston, TX.
142. 2008 Dale E. Bird, Kevin Burke, Stuart A. Hall and [John F. Casey](#) Triassic – Jurassic kinematics of the Gulf of Mexico, Central Atlantic Ocean, and North America, 2008 GSA Annual Meeting Abstracts with Programs, Houston, TX.
143. 2008 [J F Casey](#), R Searle, C MacLeod, and B Murton, Extensive Core Complex Formation in a Magma Starved Segment of the the Mid-Atlantic Ridge Between 12° -16°: Strain Softening and a Coupled Crust-Mantle Rheology,2008 GSA Annual Meeting Abstracts with Programs, Houston, TX.
144. 2009 [Casey, J.F.](#) and Dewey, J.F. The Ophiolite Paradox Resolved: GSA Abstracts, Portland GSA Annual Meeting
145. 2009 U: Xiong, Y, Khan, S D, : [Casey, J.F](#), U: Mahmood, Gao, Y, Trace element geochemistry and tectonic implications of the volcanic rocks from the Bela ophiolite, western Pakistan. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract
146. 2009 [Casey, J.F.](#) and Dewey, J.F. The Ophiolite Problem, Is It Really a Problem? 90(52), Fall Meet. Suppl., Abstract
147. 2010 J.F. Casey Controls of Magma Supply and Core Complex Formation between 12-16° N on the Mid-Atlantic Ridge, Chapman Conference Abstracts, Cyprus
148. 2010 [Casey, J.F](#), Gao, Y, Benavidez, R, Dragoi, C, The Lowest $\delta^7\text{Li}$ Yet Recorded in MORB Glasses: The Connection with Oceanic Core Complex Formation, Refractory Rutile-bearing Eclogitic Mantle Sources and Melt Supply. AGU 2010 Fall Meeting Abstract
149. 2011 Barry J. Shaulis, B.J., Lapen T.J.,[Casey, J.F.](#), Douglas Reid. New constraints on the age and depositional rates of initial flysch sedimentation in the Stanley Group, Ouachita Mountains, Oklahoma and Arkansas, AGU 2011 Fall Meeting Abstracts
150. 2012 Gittens, Casey, , and Lapen Detrital Zircon Geochronology of Cambro-Ordovician Siliciclastic Units of the Humber Arm Allochthon, AGU Fall Meeting Abstracts
151. 2013 Casey and Dewey, Arc/Forearc Lengthening at Plate Triple Junctions and the Formation of Ophiolitic Soles, EGU Meeting, Vienna

FUNDED PROJECTS

- April 1, 1981 – March 31, 1983 J. F. Casey, D. Elthon, J. Karson – P.I.s
Geological, Petrological and Geochemical Study of Ophiolitic rocks of the Bay of Islands Ophiolite Complex of Western Newfoundland.
National Science Foundation, Grant EAR-80-26445 - \$108,387
- October 1, 1984 – March 31, 1987 J.F. Casey and D. Elthon – P.I.s
(Performance-Based Renewal) Same project as above (Amount includes two National Science Foundation. Grant EAR-83-09535 (Renewal) - \$158,800
- April 1, 1984 – March 31, 1985 J.F. Casey – P.I.
Geological study of the Tauride Ophiolites of Turkey
Research Initiation Award - University of Houston - \$5,000
- April 1, 1987 – September 30, 1989 J.F. Casey – P.I.
Petrological, Stable Isotope, and Structural Studies of ALVIN Recovered Peridotites From the Mid-Atlantic Ridge,
National Science Foundation, Grant OCE-87-003 - \$84,715
- April 15, 1988 – March 31, 1991 J.F. Casey – P.I.
Structural and Petrological Investigation of Four Tauride Ophiolites: Implications for the Evolution of Neo-Tethys and the 'Ophiolite Controversy'.
National Science Foundation, Grant EAR-87-21166 - \$90,000
- May 1, 1988 – July 31, 1991 J.F Casey – P.I.
Structural and Stratigraphic Study of the Humber Arm Allochthon of Western Newfoundland: Implications for stable margin development, obduction, accretion, and melange formation.
National Science Foundation, Grant EAR-88-04756 - \$53,000
- December 15, 1989 – May 30, 1991 J. F. Casey and J. Lawrence – P.I.s
Acquisition of an Inductively Coupled Plasma Emission Spectrometer.
National Science Foundation, \$40,600 + \$40,600 University Match.
- June 15, 1991 – May 14, 1992 J.F. Casey and I. Evans – P.I.s
Acquisition of an ICP Automatic Sample Changer ,
Energy Lab, University of Houston - \$5000
- February 15, 1991 – June 15, 1993 J.F. Casey – P.I.
Alvin Diving in the Intra-transform Spreading Centers of the Siqueiros transform.
National Science Foundation Grant OCE-91-06231 - \$51,352
- May 15, 1992 – May 15, 1993 J.F. Casey – P.I.
Nautile Submersible Diving and SIMRAD Survey of the 15°20' Transform, Mid-Atlantic Ridge,. Joint Oceanographic Inc./ U.S. Science Advisory Committee, Site Augmentation Grant - \$15,300
- June 1, 1992 – May 31, 1995 J.F. Casey – P.I.
Tectonic and Magmatic Segmentation of the Mid-Atlantic Ridge: A U.S. - Soviet Cooperative Study.
National Science Foundation, Grant OCE-92-04105 - \$152,860

1993-1994 J.F. Casey, M. Cannat, C. Mevel, Karson, J. – P.I.s
Offset Drilling in the MARK Region of the Mid-Atlantic Ridge.
This is not an overhead-generating project to the University of Houston. Funded by the International Ocean Drilling Program Ocean Drilling Project, Leg 153 - ~ \$6,000,000 (administered by TAMRF-ODP-NSF)

October 1, 1993 – J.F. Casey – P.I.
September 30, 1996 Leg 153 Drilling, Ocean Drilling Project
TAMRF-ODP-National Science Foundation \$24,889

August 1, 1994 – J.F. Casey – P.I.
July 30, 1996 Geochemical and Petrological Studies of Leg 153 Mafic and Ultramafic Rocks.
JOI-USSAC-National Science Foundation - \$24,648

September 28, 1994 J.F. Casey – P.I.
December 28, 1996 Leg 157 Drilling, Ocean Drilling Project
TAMRF-ODP-National Science Foundation \$11,513

January 1, 1995 – J.F. Casey – P.I.
June 31, 1997 Geochemical and Petrological Study of the Cherry and Brushy Canyon Formations, Delaware Basin, West Texas.
Exxon Production and Research Company - \$4,000

May 1, 1996 – J.F. Casey and H. Zhou – P.I.s
April 1, 1997 Establishment of a technology-rich classroom: a proposal for 18 IBM RISC System 6000 Unix workstations w/64MB RAM. IBM/VP for Information Technology Grant
Hardware Grant - \$160,000

September 1, 1996 J.F. Casey – P.I.
August 31, 1997 Implementation of a campus-wide multi-disciplinary (GIS) Geographic Information System
Provost Interdisciplinary Research Grant, University of Houston - \$60,000

February 1, 1995 – John F. Casey and S. Smith – P.I.s
January 1, 1996 Igneous petrology and geochemistry of basalts from the TAG Hydrothermal mound region (26°N), Mid-Atlantic Ridge.
JOI-USSAC-National Science Foundation - \$18,980

September 1995 – J.F. Casey and G. Cameron – P.I.s
August 1998 Implementation of a GIS (Geographic Information System) at the University of Houston:
Installation of a 15 Floating Seat Licenses of ARC/INFO and ArcView GIS Software, ESRI - \$27,000 (software grant)

April 21, 1997 – J.F. Casey and S. Smith – P.I.s
July 21, 1997 Participation in Leg 173
TAMRF-ODP-National Science Foundation - \$13,387

September 1, 1993 – John F. Casey – P.I.
January 15, 1998 Geological and Geophysical Data Synthesis, Caspian Sea Region, Amoco, Eurasia, \$106,467

January 1, 1995 – John F. Casey – P.I.
January 15, 1998 Russian Oil Provinces
Amoco, Eurasia - \$28,496

September 1, 1997 – John F. Casey – P.I.
January 15, 1998 Geological and Geophysical Study of Sakhalin Island
Exxon Exploration (CIS) - \$18,000

February 1, 1998 – January 31, 2000 John F. Casey – P.I.
Whole Rock Geochemical Study of Mafic Igneous Rocks and Sedimentary Rocks cored in the OCT of the Iberian Margin, Leg 173

March 1, 1998 – February 28, 2001 John F. Casey – P.I.
Participation in Leg 179, Chief Scientist, Hammer Drilling/NERO Seismometer Emplacement,
TAMRF-ODP-National Science Foundation, \$69,214

April 1, 1998 – March 31, 2000 John F. Casey – P.I.
ODP Site Survey via Submersible and Geophysical Observations:
JAMSTEC/WHOI Expedition to the Mid-Atlantic Ridge from 14° to 16°N
National Science Foundation, UH Subcontract from Woods Hole Oceanographic Institution - \$50,000

June 1, 1998 – May 31, 1999 John F. Casey, Michelle Micheaux Foss, Everett Gardner, Paul Gregory – P.I.s
Best Practices in Energy Sector Reform,
Shell Interdisciplinary Scholars Grant. \$100,000

March 1, 1998 – February 28, 2001 John F. Casey – P.I.
Participation in Leg 179 for Z. Guo - Hammer Drilling/NERO Seismometer Emplacement
TAMRF-ODP-National Science Foundation, \$11,810

February 1, 1999 – January 31, 2001 John F. Casey – P.I.
Downhole geochemical and structural studies of gabbroic rocks from Hole 1105A, Atlantis Bank, Southwest Indian Ridge
TAMRF-ODP-National Science Foundation - \$26,780

February 1, 1998 – January 31, 2001 John F. Casey – P.I.
Magma Chamber Processes from detailed geochemical studies of oceanic gabbroic and silicic rocks from Hole 1105A,
TAMRF-ODP-National Science Foundation, \$19,187

May 1, 2003 – April 28, 2004 John F. Casey – P.I.
Participation in Leg 209, Mantle Drilling in the 15°20' Region,
TAMRF-ODP-National Science Foundation, \$54,551.00

January 15, 2005 – May 14, 2006 John F. Casey – P.I.
Bulk Rock and Mineral Major and Trace Element Chemistry of Leg 209 Gabbroic and Ultramafic Rocks.
TAMRF-ODP-National Science Foundation, \$21,681

July 10, 2005 – August 25, 2006 John F. Casey – P.I.
Participation in Leg 309, Joint Oceanographic Institutions, Inc.
JOI-IODP Flow Thru National Science Foundation, \$12,779

December 1, 2005 – November 30, 2007 John F Casey – P.I.
Down-Hole Major, Trace, and Isotopic Variation of Whole Rocks and Minerals in IODP Hole 1256.
JOI-IODP, \$24,928.00

February 15, 2004 – January 29, 2009 John F. Casey – P.I.
"Seafloor Magmatic Construction - A LA ICPMS Based Study."
National Science Foundation - \$196,660

January 19, 2009 – Thomas Lapen (Principal Investigator), John Casey Co-Principal Investigator), Jonathan
January 18, 2012 Snow (Co-Principal Investigator), Michael Murphy (Co-Principal Investigator) Acquisition
of a Multiple-Collector Inductively-Coupled Plasma Mass Spectrometer,
National Science Foundation, \$269,658 (with an additional \$300,000 in matching
funds from UH VP of Research)

CURRENTLY FUNDED PROJECT

September 1, 2012- John F. Casey and K. Adry Bissada, P.I.s
August 31, 2015 Acquisition of Agilent Instrumentation including 1) 4100 MP-ICP-AES, 2) 725
ICP-OES, 3) 5975 GC-MS, 4) 7000 GC-QQQ, 5) 7200 GC-Q-TOF
Agilent Technology -Instrumentation, Agilent Corporation, \$3,300,000 over 3
years.

PENDING PROPOSALS

January 1, 2012 – John F. Casey - PI, Yongjun Gao - Co-PI
Dec. 31, 2016 Collaborative Proposal:Hydrothermal Activity, Melt Productivity and Lithospheric
Architecture Associated with the Tectonic Evolution of Two Oceanic Core Complexes
Along the Mid-Atlantic Ridge. National Science Foundation
\$ 441.568 (UH portion), \$1,230,000 Total

OTHER RELATED FUND RAISING AND FACILITIES ACCOMPLISHMENTS

Negotiated a campus/system-wide agreement with ESRI GIS software worth \$100,000,000 per year in
software donations.

Arranged Departmental Software Agreements Worth \$4,250,000 per year with
e.g., Schlumberger
Halliburton
SMT

Established Departmental Endowments now worth over ~\$3,500,000 through educational programs and
donors.

Established UH-Yellowstone Big Horn Research Association Field Camp in 2009 to Present.

Raised ~ \$1,200,000 in yearly-dispersed scholarship funds between 1999 and 2012

Assisted in establishing two endowed alumni scholarships (\$60,000) and Professorships

Established High Performance Computing Center (1995-present)

Established the Geoscience Learning Center - 8-5pm Tutoring and Retention Center in Geosciences

Established The Sheriff Lecture in 2000 (To Present): An Annual Lecture in Honor of Dr. Robert Sheriff
(in collaboration with the Houston Geological Society and the UH Geosciences Alumni Association)

Established ongoing Relationship with Agilent resulting in \$3,300,000 Gift and further gifts to come.

Established Funding Relationship with Chevron for Delta 6 Mass Spectrometer + other Gifts (\$530,000)

TEACHING AND STUDENT LEARNING

Oversight and Development of Degree Programs as Chairman 1999-2012

1. B.S. Geology
2. B.A. Earth Science for Earth Science Teachers
3. B.S. Geophysics
4. B.S. Environmental Sciences - Geology or Atmospheric Sci. Concentration (Established 2006)
5. M.S. Geology
6. M.S. Geophysics
7. M.S. Atmospheric Sciences (established 2010)
8. M.A. Geosciences
9. M.S. Professional: Geology (established 2003)
10. M.S. Professional: Geophysics (established 2003, included an extension program at the University of Cape Town)
11. Ph.D. Geology
12. Ph.D. Geophysics
13. Ph.D. Atmospheric Sciences (established 2010)

Recruiting Efforts: National Meetings and Recruiting in China, Viet Nam, South Africa, Norway, Russia, Philippines, Japan, Turkey, Switzerland, Great Britain

FORMAL COURSES TAUGHT 1980 – 2009

UNDERGRADUATE

1. Field Methods (required course)*#
2. Structural Geology (required course)*^
3. Structural Geology Lab (required course)*
4. Physical Geology (required course)
5. Summer Field Camp (required course)

10 day experiential learning field trip

^ 7 day experiential learning field trip

GRADUATE COURSES

1. Plate Tectonics *
2. Igneous Petrogenesis and Plate Tectonics*
3. The Geology and Geophysics of Oceanic Crust and Ophiolites
4. Tectonics of Orogenic Belts
5. Microstructure
6. Advance Structural Geology (Stress and Strain)
7. Tectonics Seminar

* Regularly Taught Courses (2 year cycle)

GRADUATE THESES AND DISSERTATIONS SUPERVISED: PRINCIPAL ADVISOR

	Year Grad.	M.S. Graduate	Degree	Thesis Title
1.	1984	Marshall W. Titus	M.S.	Title: The Petrologic Definition of the Oceanic Moho: Evidence from the Bay of Islands Ophiolite Complex, Newfoundland, Canada.

2. 1986 Donald E. Ashabranner M.S. Title: A 2D Phase-Shift Migration Algorithm for Laterally Varying Velocity Fields and an Analysis of Ophiolite-Derived Models of Accretion.
3. 1987 George Dillman M.S. Title: Structural Investigation and Tectonic History of the Central Paras Basin, Saltillo, Coahuila, Mexico
4. 1987 Ronald Brink M.S. Title: Microstructural Study Ultramafic Rocks From The North Arm Mountain Massif, Bay of Islands Ophiolite Complex, Western Newfoundland.
5. 1988 Richard Lane M.S. Title: Mineralogy and Stable Isotope Geochemistry of Serpentinized Ultramafic Rocks from the Bay of Islands Ophiolite Complex: Implications for the Oceanic Moho.
6. 1988 Chunshou Xia M.S. Title: A Microstructural Study of Mantle Peridotites from the Mid-Atlantic Ridge near 23°N
7. 1989 Nazneen Kharas M.S. Title: Geochemistry and Petrology of the Gabbroic Rocks from Blow Me Down Mountain, Bay of Islands Complex: Composition of the Parent Magmas and Melts in equilibrium with Gabbroic Cumulates
8. 1989 Richard T. Beaubouef M.S. Title: Paleomagnetism of the Lower St. George Group, and HumberArm Subophiolitic Volcanics of Western Newfoundland: Implications for the Iapetus Ocean
9. 1989 David Meaux M.S. Title: Geology and Geochemistry of Subophiolitic Volcanic Rocks in the Arm Allochthon, Western Newfoundland, Canada
10. 1992 Mark Judeman M.S. Title: Tectonic Evolution of the Permian Basin, West Texas
11. 1992 Ali Pollat M.S. Title: Structural and geochemical evolution of the Aladag melange complex and greenschist division of the dynamothermal metamorphic sole beneath the Karsanti-Pozanti Ophiolite
12. 1992 Jack Wang M.S. Title: Tectonic and geochemical evolution of the metamorphic sole beneath the Bay of Islands Ophiolite: Implications for tectonic models of obduction.
13. 1994 Mike Milliken M.S. Title: Correlation and Depositional Environment By Major and Trace Element Analyses of Cores DB-01 and DB-02, Northwest Shelf of the Delaware Basin, Culberson County, Texas
14. 1995 Doug Reid M.S. Title: Geochemical and Petrographic Analysis of Formations Within and Surrounding the Broken Bow Uplift, Southeastern Oklahoma

15.	1996	Vadim Golod	M.S.	Title: Multibeam Bathymetry Surveys in the Equatorial Atlantic (1° N-9° N)
16.	2001	Yaoyang Yan	M.S.	Title: Morphotectonic and Geochemical Characteristics of the Siqueiros Transform, East Pacific Rise.
17.	2000	William Beck	M.S.	Title: Extensional Styles of the Mid-Atlantic Ridge.
18.	2004	Pedram Zarian	M.S.	Title: Integration of Borehole Imaging and Microstructural Analysis of Plutonic Rocks from Hole 1105A, ODP Leg 179, SW Indian Ridge
19.	2005	Andrea Quintanilla	M.S.	Title: Geochemical Analysis of Siliciclastics Across the Iberian Continental Margin
20.	2005	Lili Yu	M.S.	Title: Spectral and Lithologic Mapping of the Bay of Islands Ophiolite Complex, Newfoundland, Canada using Landsat ETM+ and SIR-C Data
21.	2005	Keegan Boyer	M.S.	Title: Geochemistry of basaltic and gabbroic rocks from the 15° 20' Transform region along the Mid-Atlantic Ridge.
22.	2007	Jian Hueng	M.S.	Title: Geochemical Analysis of Diabase, Basalts, and Metamorphic Sole Rocks from the Bay of Islands Ophiolite, Western Newfoundland.
23.	2007	Kamran Zahid	M.S.	Title: Detachment and the Extent of Shortening Across the Paras Basin, Coahuila, Mexico
24.	2010	Carmen Dragoi	M.S.	Title: A Comparison Of Laser Ablation La-ICP-MS Versus Solution Trace Element Analyses On MORB Glasses From 12-16N Along Mid-Atlantic Ridge
25.	2011	Tzu-Chien Chang	M.S.	Title: Mid-Atlantic Ridge (12°-16°N) Bathymetric Analysis by Empirical Mode Decomposition.
26.	2012	Adrian Gittens	M.S.	Detrital Zircon Geochronology of Cambro-Ordovician Siliclastic Units of the Humber Arm Allochthon, Newfoundland.
27.	Current	Mehmet Sahin	M.S.	Laramide to Basin and Range Structural Transition, Indio Ranch, West Texas
28.	Current	Melissa Davidson	M.S.	U/Pb Geochronology of Post-Laramide, Pre-Basin and Range Silicic Volcanics, West Texas
29.	Current	Raul Benavidez	M.S.	Title: Li Isotopes of Leg 209 Gabbroic and Ultramafic Rocks
30.	Current	Kenan Yazan	M.S.	Title: Seismic Interpretation and Structural Evolution of the Nankai Trough Accretionary Prism
31.	Current	Salih Gozel	M.S.	Title: Basement Structure of the Lund Block, Gulf of Mexico.

	Year Grad.	Ph.D. Graduates	Degree	Dissertation Title
1	1988	Gultekin Savci	Ph.D.	Title: Structural and Metamorphic Geology of the Subophiolitic Dynamothermal Metamorphic Sole and Peridotite Tectonites, Blow Me-Down Massif, Newfoundland, Canada: Tectonic Implications for Subduction and Obduction
2	1990	Rosanne Lindholm	Ph.D.	Title: Regional Correlation, Age, Provenance and Tectonic Significance of Sandstone-Shale Sequences in the Humber Arm Allochthon, Western Newfoundland.
3	1992	Everett Rutherford	Ph.D.	Title: Alteration of Oceanic Crust and Tectonic Evolution of the Hatay Ophiolite , Turkey
4	1992	Richard Beaubouef	Ph.D.	Title: Application of paleomagnetic techniques to remagnetization of oceanic pillow basalts and Paleozoic and Mesozoic sedimentary rocks.
5	1993	John Lytwyn	Ph.D.	Title: Geochemistry and Petrogenesis of Forearc Volcanics and Intrusives Associated with Ridge Subduction: Examples from the Pozanti-Karsanti and Hatay Ophiolites, Southern Turkey and the Chugach-Prince William Terrane, Southern Alaska
6	1994	Susan Smith	Ph.D.	Title: Geochemistry and Petrology of Basaltic and Plutonic Rocks From the Hayes Transform Region, Mid-Atlantic Ridge
7	1995	Chunshou Xia	Ph.D.	Title: Geochemical Variations, Source Characterization, Mantle Melting and Magmatic Processes at the 15° 20N Fracture Zone, Mid-Atlantic Ridge
8	2001	Zhongping Guo	Ph.D.	Title: The Geochemical Structure of the Mid-Atlantic Ridge Axis from Iceland to Bouvet, A GIS Approach.
9	2002	Chris Harding	Ph.D.	Title: Multi-sensory investigation of geoscientific data: adding touch and sound to 3D visualization and modeling
10	2003	Douglas Reid	Ph.D.	Title: Major Trace and Rare Earth Whole Rock Geochemical Analyses of the Early to Middle Paleozoic Strata of the Ouachita Orogenic Belt
11	2003	Dimitri Pistoun	Ph.D.	Title: Understanding the emplacement and exposure of ultramafic complexes along the Mid-Atlantic Ridge between 20° and 24° N
12	2004	E. Egorev	Ph.D.	Bathymetry Gravity and Magnetic Data Study Between 14 and 16° N Mid-Atlantic Ridge: Evidence For Large Scale Mechanical Extension
13	2005	Debleena Banerji	Ph.D.	Geochemistry of Leg 179 Gabbroic Rocks, Atlantis Bank, Southwest Indian Ridge

14	Current	Johnny Seales	Ph.D.	Finite Difference Geodynamic Modeling of Oceanic Core Complexes Based on the 12-16° N Region of the Mid-Atlantic Ridge
15	Current	Adrian Gittens	Ph.D.	U/Pb Zircon Provenance Studies of Cambro-Ordovician Siliciclastics of the Laurentian Margin and Collided Notre Dame Bay Island Arc Terranes , Newfoundland
16	Current	Weihang Yang	Ph.D.	Heavy Trace Elements as Fingerprints for Crude Oils: Their Significance in Exploration and Environmental Tracers.

Year Grad. Undergraduate

Thesis Title

1	2012	Melissa Davidson	B.S.	U/PB GEOCHRONOLOGY OF VOLCANIC ROCKS FROM THE INDIO MOUNTAIN RESEARCH STATION, SW TEXAS: EVIDENCE OF LARAMIDE SUBDUCTION-RELATED VOLCANISM
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Graduate Student Outcomes

Year	Graduate	Degree	Position Title
1984	Marshall W. Titus	M.S.	<u>Chief Geologist</u> , Marathon
1986	Donald E. Ashabranner	M.S.	<u>Gulf of Mexico, Lead Geophysicist</u> , Conoco-Phillips
1987	George Dillman	M.S.	<u>Geology Manager</u> , CEP LLC
1987	Ronald Brink	M.S.	<u>Chief Hydrologist</u> , County Health Department, New York
1988	Richard Lane	M.S.	<u>President, Chairman and CEO</u> , Vitruvian Exploration LLC.
1988	Chunshou Xia,	Ph.D	<u>Appraisal Geophysicist</u> at Nexen USA Inc
1988	Gultekin Savci,	Ph.D.	<u>President</u> at Savci Environmental Tecnologies, LLC.
1989	Nazneen Kharas	M.S.	<u>Manager</u> , K. W, Khumbatta, PC
1989	Richard T. Beaubouef	M.S.	<u>Chief Geologist</u> , Hess Corporation
1989	David Meaux,	M.S.	<u>R&D Program Manager</u> at BP, VP of the Houston Geological Society
1990	Rosanne Lindholm	Ph.D.	<u>Senior Exploration Geologist</u> ExxonMobil
1992	Everett Rutherford	Ph.D.	<u>Exploration Manager</u> at Calik Enerji
1992	Richard Beaubouef,	Ph.D.	<u>Chief Geologist</u> , Hess Corporation
1992	Mark Judeman,	M.S.	<u>Exploration Geologist</u> , Shell Oil, USA
1992	Ali Pollat	Ph.D.	<u>Professor of Geology</u> , University of Windsor
1992	Jack Wang	M.S.	<u>Geophysicist</u> at Apache Corporation
1993	Jennifer Lytwyn,	Ph.D.	<u>Lecturer</u> , University of Houston
1994	Mike Milliken	M.S.	<u>Senior Geologist</u> at Panther Energy
1994	Susan Smith	Ph.D.	<u>GIS Specialist</u> , City of Lubbock, TX
1995	Doug Reid	M.S.	<u>Gulf Coast Geological Manager</u> at Carrizo Oil & Gas
1995	Chunshou Xia	M.S.	<u>Appraisal Geophysicist</u> at Nexen USA In
1996	Vadim Golod	M.S.	<u>Information Technology Data Base Manager</u> SAIC/BP
2000	William Beck	M.S.	<u>Senior Geophysicist</u> at Eni Petroleum
2001	Zhongping Guo	Ph.D.	<u>Senior Geologist/Project Manager</u> , ESRI GIS
2002	Chris Harding	Ph.D	<u>Associate Professor</u> Department of Geological and Atmospheric Sciences, Director, Virtual Reality Applications Center (VRAC), Iowa State University
2003	Douglas Reid,	Ph.D.	<u>Gulf Coast Geological Manager</u> at Carrizo Oil & Gas
2003	Dimitri Pistoun,	Ph.D.	<u>Sr. Geologist</u> at Occidental Petroleum.
2004	E. Egorev Sr.	Ph.D.	<u>Geophysicist</u> at Fugro Gravity and Magnetic Services Inc
2004	Pedram Zarian	M.S.	<u>Senior Geologist</u> , Shell

2005	Andrea Quintanilla	M.S.	<u>Senior Petroleum Geologist</u> at ExxonMobil
2005	Lili Yu	M.S.	<u>Senior GIS Analyst</u> at Eagle Information Mapping
2005	Debleena Banerji	Ph.D.	<u>Exploration Geologist</u> at Shell International E&P
2006	Keegan Boyer	M.S.	<u>Sr. Project Manager</u> at AECOM Environmental
2007	Jian Hueng	M.S.	<u>Ph.D. Candidate</u> , Texas A&M
2007	Kamran Zahid	M.S.	<u>Exploration Structural Geologist</u> at Shell
2011	Carmen Dragoi	M.S.	<u>Geochemical Analyst</u> , Core Lab, Houston
2012	Tzuchien Chang	M.S.	<u>Geologic Engineer</u> at CEI Engineering Consultants Inc
2012	Adrian Gittens	M.S.	<u>Ph.D. candidate</u> , Univesrity of Houston