

College of Marine Science
University of South Florida
140 7th Ave. S, St. Petersburg, Florida 33701
Cell: (727) 510-9806; Email: naar@usf.edu
December 19, 2023

Education:

Ph.D.	Earth Sciences, Scripps Institution of Oceanography, UCSD	1990
M.S.	Earth Sciences, Scripps Institution of Oceanography, UCSD	1984
B.A.	Geology / Geophysics, Department of Earth Science, UCSB	1982

Professional Experience (mm/yy):

8/20–Present	Professor, College of Marine Science, University of South Florida, St. Petersburg, Florida.
1/17–Present	Associate Dean for Academics, College of Marine Science, University of South Florida, St. Petersburg, Florida.
8/12–1/17	Director of Academic Programs and Student Affairs and Graduate Program Director, College of Marine Science, University of South Florida, St. Petersburg, Florida.
7/00–8/20	Associate Professor, College of Marine Science, University of South Florida, St. Petersburg, Florida.
2/00–2/04	Co–

33. December 2000: Obtained and delivered ODP Site Survey Data to co-chief of Leg 197 at Oregon State University.
34. January 8–13, 2001: Multibeam short course in San Diego, CA: Participant.
35. March 6–9, 2001: Kongsberg Simrad FEMME Multibeam Conference in Victoria, Canada: Participant.
36. April 23–29, 2001: Mobilization of the Sustainable Seas Expedition multibeam mapping project in American Samoa in collaboration with Nancy Daschbach and Dawn Wright.
37. May 14–16, 2001: NSF and ONR sponsored Data Base Management workshop at the Sea Lodge in La Jolla, California: Participant, Presenter, and Discussion Leader of the Metadata Working Group.

54. May 19–21, 2003: Coastal Sediments '03: Clearwater, Florida: Presenter and Participant.
55. June 30–

78. September 16, 2005: InterRidge Hydrothermal Vent Conference, Scripps Institution of Oceanography, La Jolla, California: Participant.
79. September 2005: NSF Panel: Participant.
80. October 31–November 2, 2005: NSF Ridge 2000 Steering Committee Meeting, and NSF Ridge 2000 Proposal Relevancy Panel, Vancouver, Canada: Participant.
81. February 21–22, 2006: IODP Site Survey Panel and Data Bank Advisory Meeting, Scripps Institution of Oceanography, La Jolla, California: Participant.
82. April 13–14, 2006: NSF Ridge 2000 Steering Committee Meeting, NSF, Arlington, Virginia: Participant.

96. October 2015: Attended the SACNAS conference, USF/CMS Recruiting Booth, Washington DC: Recruiter and Participant.
97. November 2015: Attended the 22nd Annual Institute on Teaching and Mentoring, Sponsored by The Compact for Faculty Diversity, a workshop/conference sponsored in part by the Alfred P. Sloan Foundation Minority PhD Program, Arlington, Virginia: Participant.
98. February 2016: National Ocean Science (Spoonbill) Bowl: Served in Judges “Bullpen” and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
99. March 22–24, 2016: SEAC (SouthEast Acoustic Consortium) Meeting 12 cm BT -0.01 Tf () Tj ET C

14. National Science Foundation, Academic Research Infrastructure Program, Office of Science and Technology Infrastructure, "Acquisition of GPS Equipment for Consortium Studies of Global Change and Tectonics of the Western Margin of the Americas," 10/1/95–9/30/98, \$2,000,000 (R.H. Ware, Lead P.I., D.F. Naar, Co-participant amongst many others; USF portion to Naar \$10,000).
15. Office of Naval Research, "High Resolution Seafloor Mapping, Sediment Type Prediction, and Nearshore Storm Process Measurements using CHIRP Sonar and

29. Florida Fish and Wildlife Conservation Commission, Florida Marine Research Institute, “Multibeam Mapping a portion of Broward County,” 6/1/00–12/31/00, \$15,000, (D.F. Naar, Lead P.I., D. Mallinson, Co-P.I.; \$10,000 to Naar).
30. Department of Interior, United States Geological Survey, “Support for Center of Coastal Ocean Mapping,” 10/1/00–9/30/01, \$38,000.
31. Department of Interior, United States Geological Survey, “Characterization of the Western Extent of the South Florida Reef Tract,” 10/1/00–9/30/01, \$127,000 (B. Halley, USGS–Lead P.I., A.C. Hine, and D.F. Naar. Co-P.I.s; \$63,500 to Naar).
32. Office of Naval Research, “Sediment Dynamics on the West Florida Inner Continental Shelf” 11/1/00 –12/31/01, \$636,186 (P. Howd, Lead P.I., D.F. Naar and A. Hine, Co-P.I.s; \$318,000 to Naar).
33. National Science Foundation, Ocean Sciences Division, “Assessing Hotspot Fixity in the Pacific Basin,” 1/1/1–12/31/02, \$528,836 (D.F. Naar, Lead P.I., R. Duncan, J. Mahoney, and K. Johnson, Co-P.I.s

46. Office of Naval Research, “Sediment Dynamics on the West Florida Inner Continental Shelf” 1/1/03 –12/31/04, \$178,610.
47. NOAA, “NOAA CRCG 2004 Multibeam Studies of Florida Middle Grounds” 10/1/04–9/30/06, \$167,000.
48. NOAA, “NOAA CRCG 2005 Multibeam Studies of Florida Middle Grounds” 10/1/05–12/31/06, \$75,000.
49. NOAA via EA, Engineering, Science, and Technology, “Multibeam Studies of Paleoshorelines along the west shelf of Florida” 10/1/03–3/31/04, \$172,000.
50. NOAA via EA, Engineering, Science, and Technology, “Multibeam Studies of Paleoshorelines along the west shelf of Florida” 10/1/04–3/31/05, \$50,000.
51. Gulfstream, Inc., “Scour and Burial Investigation of Pipeline Emplacement on West Shelf of Florida” 1/1/05–3/31/05, \$10,000.
52. ISMAR-CNR-ITALY, “Ph.D. Support for Sarine Manoukian–Multibeam Studies of Artificial Reef scour and fish communities” 7/1/06–6/30/11, \$207,977.
53. NOAA-CRCG-2007, “Multibeam investigation of Fish Habitat areas near Panama Beach, Florida, Gulf of Mexico” 10/1/07–9/30/08, \$100,000.
54. NOAA-CRCG-2007, “Multibeam investigations of SW Pulley Ridge, Gulf of Mexico” 10/1/07–9/30/08 \$60,000.
55. NOAA-CRCG-2008, “Continuation of Pulley Ridge Seafloor Mapping” 9/30/08 – 8/31/09, \$44,000.
56. Department of Ministry, Republic of the Maldives, “Multibeam bathymetry investigation of a coral reef slope collapse of the Male Atoll. “ 8/1/08 - 12/31/09 \$97,000.
57. NSF subcontract from SIO/UCSD to USF, Multibeam Mapping the Salton Sea, California, in collaboration with Neal Driscoll, 2008, \$8,000.
58. NOAA, Multibeam mapping investigation of Deep Coral Reefs, 2008–2010, \$192,000.
59. NOAA, Multibeam mapping and continued investigation of Pulley Ridge, 2008, \$84,000.
60. NOAA, Multibeam mapping of Panama City Beach and deep corals along the East Coast, Supplement, 2009, \$66,000.
61. Gulf of Mexico Fisheries Management Council, NOAA pass-through, Multibeam mapping of the Edges between Stnq 0.24 0(5 675 -2 () -10 (m) -259 Tm /TT3 10.24 0m /TT3 10.24 0

65.

14. Searle, R.C., _____, R.I. Rusby, and D.F. Naar, The development of two oceanic microplates: Easter and Juan Fernandez microplates, East Pacific Rise, *J. of Geol. Soc. London* 150, 965–976, 1993.
15. Francheteau, J., R. Armijo, J.P. Cogne, M. Constantin, J. Girardeau, R. Hekinian, R. Hey, D.F. Naar, and R. Searle, Fumeurs noirs sur le volcan Pito, a l'extremite nord du propagateur de l'ile de Paques, *Soc. Geol. Fr.* 93, 16–17, 1993.
16. _____, and D.F. Naar, Intratransform origins of mid-ocean ridge microplates, *Geology* 22, 987–990, 1994.
17. Cogne, J.P., J. Francheteau, V. Courtillot, R. Armijo, M. Constantin, J. Girardeau, R. Hekinian, R. Hey, D.F. Naar, and R. Searle, Large rotation of the Easter microplate as evidenced by oriented paleomagnetic samples from the ocean floor, *Earth and Planetary Science Letters* 136, 213–222, 1995.
18. Hey, R.N., P.D. Johnson, F. Martinez, J. Korenaga, M.L. Somers, Q.J. Huggett, T.P. LeBas, R.I. Rusby, and D.F. Naar, Plate boundary reorganization at a large-offset rapidly propagating rift, *Nature* 378, 167–170, 1995.
19. Hagen, R.A., H. Vergara, and D.F. Naar, Morphology of San Antonio submarine canyon on the central Chile forearc, *Marine Geology* 129 (3–4), 197–205, 1996.
20. Hekinian, R., J. Francheteau, R. Armijo, J.P. Cogne, M. Constantin, J. Girardeau, R. Hey, D.F. Naar, and R. Searle, Petrology of the Easter microplate region in the

30. Maia, M., D. Ackerman, G.A. Dehghani, P. Gente, R. Hekinian, D. Naar, J. O'Connor, K. Perrot, J. Phipps Morgan, G. Ramillien, S. Revillon, A. Sabetian,

Aller, Where Rivers and Oceans Collide *EOS, Trans. Amer. Geophys. Union*
86(3), 25–32, 2005.

41. , D.F. Naar, K.L. Carder, , and ,

52. Wall, C.C., P. Simard, M. Lindemuth, C. Lembke, D.F. Naar, C. Hu, B.B. Barnes, F.E. Muller-Karger, and D.A. Mann, Temporal and spatial mapping of red grouper (*Epinephelus morio*) sound production, *Journal of Fish Biology*. 85(5), 1469–1487, [doi: 10.1111/jfb.12500](https://doi.org/10.1111/jfb.12500), 2014.
53. , D.L. Jones, E.B. Peebles, and D.F. Naar,

1. Naar, D.F., and R.N. Hey, Recent Pacific-Easter-Nazca plate motions: in Evolution of Mid Ocean Ridges, IUGG Symposium 8, *AGU Geophysical Monograph 57*, 9–30, 1989.
2. Naar, D.F., Microplates, an invited refereed article for the *Encyclopedia of Earth System Science 3*, 231–237, W. Nierenberg, Editor, Academic Press, San Diego, 1992.
3. Wright, D.J., _____, and D.F. Naar, Seafloor mapping and GIS coordination in America's Remotest national Marine Sanctuary (American Samoa), in Wright, D.J. (ed.), *Undersea with GIS*, ESRI Press, Redlands, California, p. 33–64, 2002.
4. Naar, D.F., R. Hekinian, M. Segonzac, J. Francheteau, and the Pito Deep Dive Team (R. Armijo, J.-P. Cogne, M. Constantin, J. Girardeau, R.N. Hey, and R.C. Searle), Vigorous Venting and Biology at Pito Seamount, Easter Island, in *Mid-Ocean Ridges: Hydrothermal Interactions Between the lithosphere and Oceans*, edited by C. German, L.M. Parson, and J. Lin, *AGU Geophys. Monograph 148*, 305–318, 2004.
5. Hine, A.C., R.B. Halley, S.D. Locker, B.D. Jarrett, W.C. Jaap, _____, K.T. Ciembronowicz

Assoc. Sedimentol. Spec. Publ., 49, Chapter 4, 101-140, 2022 (appeared 2023).
<https://doi.org/10.54780/IASSP49/04>.

Book Reviews:

1. Naar, D.F., Review of Surf Science, *Oceanography 18(2)*, 261–262, 2005.

Technical reports and non-reviewed publications:

22. Karson, J.A., J. Francheteau, J.S. Gee, K.M. Gillis, N.W. Hayman, R. Hékinian, R.N. Hey, S.D. Hurst, E.M. Klein, D.F. Naar, R.J. Varga, and Pito Deep 2005 Scientific Party, Nested-Scale Investigation of Tectonic Windows into Super-Fast Spread Crust Exposed at the Pito Deep Rift, Easter Microplate, SE Pacific, *InterRidge News 14*, 5–8, 2005.
23. Cross, V.A., D.C. Twichell, R.B. Halley, *K.T. Ciembronowicz*, *B.D. Jarrett*, E.S. Hammar-Klose, A.C. Hine, S.D. Locker, and D.F. Naar, GIS Compilation of Data Collected from the Pulley Ridge Deep Coral Reef Region, U.S. Geological Survey Open-File Report 2005-1089, DVD, 2005.
24. Naar D.F. NOAA National Centers for Environmental Information: multibeam bathymetry database (MBBDB), [USF1999-2009]. NOAA national centers for environmental information, National Geophysical Data Center, NOAA, https://www.ngdc.noaa.gov/ships/bellows/USF1999_mb.html, 2009.
25. Miligan, L.J., ¹*Abigail Metcalfe*,¹ A. Metcalfe, L.K. Brooks, D. Scholtz, L.J. Scott, G.R. Foulger, D.F. Naar, J.H. Natland, E. Bonatti, The Easter – Salas y Gomez Volcanic Chain, <http://www.mantleplumes.org/Easter.html>, 2017.

Published Abstracts:

(people I advised, co-advised, supervised, or co-supervised are in
(students or previous students I assisted are in *italics*)

1. Hey, R.N., D.F. Naar, M.C. Kleinrock, J. Phipps Morgan, E. Morales, and L. Johnson, Microplate tectonics and fast rift propagation along the T-10 (o-7 ()

11. Sempere, J.C., D.F. Naar, J. Gee, and R.N. Hey, Three-dimensional inversion of the magnetic field over the Easter-Nazca propagating rift near 25°S, 112° 25'W, *Eos Trans. AGU* 68, 1477, 1987. Invited.
12. Hey, R.N., D.F. Naar, J. Francheteau, and S. Stein, SeaMARC II investigation of the Easter microplate, *Eos Trans. AGU* 69, 266, 1988.
13. Baker, N.A., R.A. Hagen, D.F. Naar, and R.N. Hey, Bathymetry and submarine geology in the vicinity of Easter Island from SeaMARC II and Sea Beam data, *Eos Trans. AGU* 69, 1429, 1988.
14. Hey, R.N., A. Klaus, W. Icaý, and D.F. Naar, SeaMARC II survey of the propagating limb of a large non-transform offset along the fastest spreading EPR segment, *Eos Trans. AGU* 69, 1429, 1988.
15. Naar, D.F., and R.N. Hey, EPR transform speed limit and Pacific-Easter-Nazca plate motions during the Brunhes, *Eos Trans. AGU* 69, 1422, 1988.
16. Rusby, R.H., R.C. Searle, J. Engeln, R.N. Hey, D.F. Naar, and J. Zukin, GLORIA and other surveys of the Easter and Juan Fernandez microplates, *Eos Trans. AGU* 69, 1429, 1988.
17. Naar, D.F., R.N. Hey, F. Martinez, T. Reed, and S. Stein, Tectonic origin and evolution of the Easter microplate, *Eos Trans. AGU* 70, 1318, 1989.
18. Martinez, F., D.F. Naar, T.B. Reed, and R.N. Hey, Isostasy of the Pito Deep area: the terminus of a large-offset propagating rift of the Easter microplate, *Eos Trans. AGU* 70, 1318, 1989.
19. Martinez, F., D.F. Naar, and R.N. Hey, Lithospheric extension at Pito Deep: Fault block tectonics at a large-offset propagating rift tip of the Easter microplate, *Eos Trans. AGU* 71, 640-641, 1990.
20. Naar, D.F., F. Martinez, and R.N. Hey, Incipient rifting of oceanic lithosphere associated with the large-scale plate boundary reorganization near Easter Island, *Eos Trans. AGU* 71, 903, 1990.
21. Martinez, F., D.F. Naar, T.B. Reed, and R.N. Hey, Tectonics of the northeast and

28. , R.L. Larson, R.C. Searle, M.C. Kleinrock, H. Schouten, D.F. Naar, R.I. Rusby, E.E. Hooft, and H. Lasthiotakis, The Juan Fernandez microplate unveiled, *Eos Trans. AGU* 72, 509, 1991.
29. Leary, T.J., D.F. Naar, C. Knapp, E. Siedlecki, D. Seidler, S. Weinberger, T.C. Roberge, and J. Neuhaus (*High School Interns*), Video of microplates and triple junctions in freezing wax, *Eos Trans. AGU* 72, 509, 1991.
30. Naar, D.F., and , Designing a computer algorithm to model microplate formation, *Eos Trans. AGU* 73, 314, 1992.
31. Searle, R.C., , R.I. Rusby, and D.F. Naar, New insights into the development and deformation of oceanic plates based on studies of the Easter and Juan Fernandez microplates, *Eos Trans. AGU* ~~73~~1346071 -109771 -109771 .1

44. , D.F. Naar, X. Zhong, and H. Ji, Extracting drainage networks from digital elevation models based on catchment areas, *Eos Trans. AGU* 75, 28, 1994.
45. Naar, D.F., and R.H. Weisberg, Upper ocean circulation modified by the bathymetry resulting from large-offset rift propagation, proceedings of the Oceanography Society Pacific Basin Meeting, 65, 1994.
46. , D.F. Naar, C.R. Scotese, and R.L. Larson, The kinematic history of the Juan Fernandez microplate at the Pacific-Nazca-Antarctic triple junction, *Eos Trans. AGU* 75, 609, 1994.
47. , , and D.F. Naar, Seamount abundance and distribution near Easter Island from GLORI-B swath bathymetry, *Eos Trans. AGU* 75, 582, 1994.
48. Kingsley, R.H., J-G. Schilling, R. Poreda, R. Batiza, D.F. Naar, and D. Fontignie, Easter Salas y Gomez Seamount Chain: Pb isotope evidence, *Eos Trans. AGU* 75, 726, 1994.
49. Francheteau, J., R. Armijo, J.P. Cogne, J. Girardeau, M. Constantin, R. Hekinian, D.F. Naar, R.N. Hey, and R.C. Searle, Submersible observations of the Easter microplate and its boundary, *Eos Trans. AGU* 75, 582, 1994.
50. Danobeitia, J.J., J. Gallart, N. Vidal, J.P. Canales, J. Diaz, D.F. Naar, J. Francheteau, A.P. Slootweg, M. Ferran, G. Ercilla, E. Vera, S. Pou, and G.A. Dehghani, Geophysical Investigation at Easter Island (South Pacific), European Geophysical Society, 1995.
51. Canales, J.P., J.J. Danobeitia, D.F. Naar, G.A. Dehghani, J. Francheteau, and M. Farran, A 3-D geophysical characterization of a seamount at the Easter-Salas y Gomez chain (Nazca Plate), European Geophysical Society, 1995.
- 52.

Pacific-Juan Fernandez-Antarctic triple junction to jump, *Eos Trans. AGU*, 76, F570, 1995.

58. Tebbens S., D.F. Naar, and S. Kruse, The Friday microplate: Birth of the northern

72. , S.F. Tebbens, M.C. Kleinrock, and D.F. Naar, Episodic triple junction migration by rift propagation and microplates,

86. *Burroughs, S.M., S.F. Tebbens, C.C. Barton, and D.F. Naar, Hotspot seamount formation as an example of self-organized criticality, Eos Trans. AGU 81(48), F559, 2000.*
87. *Jarrett, B.D., A.C. Hine, C. Neumann, D. Naar, S.D. Locker, _____, and W. Jaap, Deep biostromes at Pulley Ridge; Southwest Florida carbonate platform, Eos Trans. AGU 81(48), F737, 2000.*
88. *Naar, D.F., and P. Wessel, Hotspotting the Easter-Salas y Gomez-Nazca seamount Chain, Eos Trans. AGU 81(48), F1374, 2000.*
89. _____, D.F. Naar, K.L. Carder, and P.A. Howd, Hyperspectral remote sensing of nearshore bathymetry offshore of Sarasota, Florida: Comparisons with high-resolution multibeam bathymetry, *Eos Trans. AGU 83(4), OS164, 2002.*
90. *Naar, D.F., K.T.M. Johnson, P. Wessel, D. Pyle, Preliminary mapping and dredging results along the Nazca Ridge and Easter/Salas y Gomez Chain, Eos Trans. AGU 83(4), OS273, 2002.*
91. *Naar, D.F. and _____, High-resolution multibeam survey of ONR mine burial and scour study area near Clearwater, Florida, Eos Trans. AGU 83(47), F692, 2002.*
92. _____, D.F. Naar, A.C. Hine, S.F. Tebbens, _____, G.R. Brook (nd).24 0 067µ Tm

99. Halley, R.B., W.C. Japp, G. Mead, S. Earle, A.C. Hine, B. Jarrett, S.D. Locker, D.F. Naar, _____, G.D. Dennis, and D.C. Twichell, Pulley Ridge—the US's Deepest Coral Reef?, *Proceedings of the Gulf of Mexico Fisheries Management Council Meeting on July 17*, 3 pp., 2003.
100. Naar, D.F., _____, _____, _____, _____, _____, _____, B.D. Jarrett, B. Suthard, K. Ciembronowicz, and _____, Multibeam sonar surveys of Egmont Deep and of sedimentary bedforms, limestone ledges, real and artificial reefs surrounding Florida, the Bahamas, and American Samoa, Coastal Sediments '03 Poster Presentation in the *Proceeding Volume (Cdrom) at the Fifth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes, May 18-23, 2003, at Clearwater Beach, Association of Coastal Engineers (ACE)*, 2003.
101. Dobeck, G.J., D.F. Naar, S.D. Locker, P. Howd, A.C. Hine, _____, _____, and J. Brodersen, Normalization of ambient background intensity in high-resolution sonar imagery and its impact on mine detection and classification, IEEE Oceans 2003 San Diego, September 22-26, Cdrom paper number 1102, Proceedings page 71, 2003.
102. Richardson, M.D., G.R. Bower, K.B. Briggs, P.A. Elmore, C.S. Kennedy, P.J. Valent, D.F. Naar, S.D. Locker, P. Howd, A.C. Hine, _____, _____, J. Brodersen, T.F. Wever, R. Luehder, C.T. Friedrichs, A.C. Trembanis, S. Griffin, J. Bradley, and R.H. Wilkins, ONR Mine Burial and Scour Experiment offshore of Clearwater, Florida, IEEE Oceans 2003 San Diego, September 22-26, Cdrom paper number 2349, Proceedings page 103, 2003.
103. Crockett, J.S., C.A. Nittrouer, A.S. Ogston, and D.F. Naar, The morphology of submarine channels on the Fly River clinof orm and their role in sedimentation, *Geological Society of America Abstracts with Programs*, Vol. 35, No. 6, September 2003, p. 470.
104. Naar, D.F., _____, _____, R.A. Duncan, P. Wessel, Y. Harada, J.J. Mahoney, J.S. Ray, K.T. Johnson, Reconstruction of Pacific-Nazca Plates, Nazca Ridge, and Easter Seamount Chain, *Eos Trans. AGU* 86(46), Fall Meet. Suppl., Abstract V21F-

109. Hine, A.C., *B.D. Jarrett*, R.B. Halley, S.D. Locker, _____, D.F. Naar, _____, D. Weaver, and E.A. Shinn, New geologic themes emerging from west Florida outer shelf studies: *In Geological Society of America Annual Meeting*, Denver, CO., Abstracts with Programs, vol. 36(5), p. 193, 2004.
110. Halley, R.B., A.C. Hine, *B.D. Jarrett*, D.C. Twichell, D.F. Naar, and _____

133. , and D.F. Naar, Using archive 12 kHz multibeam transit data to locate

July, Side-scan survey of The Tampa Bay Channel, St. Petersburg-St. Petersburg, chief scientist S. Locker, *R/V Bellows*.

August, Assessment survey of the Tampa Bay oil and phosphate spill near Mullet Key, St. Petersburg-St. Petersburg, chief scientist G. Vargo, *R/V Suncoaster*.

November, French submersible Nautilie, investigation of the Pito Deep area, Easter Island-Easter Island, chief scientist J. Frencheteau, *R/V Nadir*.

March, Multichannel seismic reflection and refraction survey, Valparaiso- Easter Island, chief scientist J.J. Danobeitia, co-

January-February, Simrad Survey of the Foundation Seamount Chain, Tahiti

April, Simrad 3000 multibeam survey of the western extent of the south Florida Reef Tract, St. Petersburg–St. Petersburg, chief scientist, B. Jarrett, co-chief, D.F. Naar, *R/V Bellows*.

August, Simrad 3000 multibeam survey of Key Biscayne, Key Biscayne–Key Biscayne, chief scientists, D.F. Naar and M. Hansen, *R/V Price*.

September, Remapping Egmont Deep with Simrad 3000, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

March, Simrad EM 3000 multibeam and geochemical SCUBA survey of the Ft. Myers Mudhole Submarine Springs, St. Petersburg-St. Petersburg, chief scientists, D.F. Naar and R.H. Byrne, *R/V Suncoaster*.

May, Simrad EM 3000 multibeam survey of Lee Stocking Island, Bahamas, Florida Keys, Artificial reef sites, and Naval dumpsites, St. Petersburg-Freeport-Lee Stocking-St. Petersburg, chief scientists, D.F. Naar and B. Donahue, *R/V Suncoaster*.

July, Simrad EM 3000 multibeam and 100 kHz side-scan survey in the Sarasota, Florida HyCODE (Hyperspectral Coastal Ocean Dynamic Experiment) study area during Optical remote sensing overflights, St. Petersburg-St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

August-September, Trans Global Network Segment 5, SYS-09 (9 kHz swath bathymetry and side-scan) Cable Route Survey, Astoria, Oregon, USA–YokohamaRout/TT3,cm BT57 -570 0 0.24 9 597

August, Simrad EM 3000 multibeam survey of the Dry Tortugas, St. Petersburg–St.

August, Vancouver Leg 12 (VANC12MV): Mobilization and Shakedown Cruise of EM 3000 installation , Darwin, Australia - Cairns, Australia, D.F. Naar, chief scientist, B. Donahue, co-chief scientist, *R/V Melville*.

April-

August, Multibeam Mapping of Coral Reef Slope Collapse surrounding Male, Republic of the Maldives, Male-Male, chief scientist, D.F. Naar, co-chief B. Donahue, *R/V ERC*.

April, Multibeam Mapping of Sambo Key, Key West, and Pulley Ridge, St. Petersburg

D. Firesinger, M.S.
**J. Gray, M.S.
*M. Hafen, Ph.D.
S. Harrison, M.S.

29.

8. Methods in Marine Geophysics (Graduate)
9. Surf Science (Undergraduate and Graduate)
10. Advanced Undergraduate Oceanography (Undergraduate)

August 1, 1994, "Superfast Seafloor Spreading Seen by Side-Scan Sonar and Submersibles in the Sunny South Pacific" University of South Florida Food for Thought Luncheon, St. Petersburg.

September 28, 1994, "Volcanic Eruptions around Easter Island in the South Pacific" Eckerd College, St. Petersburg.

October 19, 1994, "Hydrothermal Activity near Easter Island" Eckerd College, Sigma Xi Lecture, St. Petersburg.

June 2, 1999, "Preliminary Results Using the EM 3000," FEMME 1999 (Forum for EM Multibeam Experience) Kongsberg-Simrad Multibeam Users Conference, Oslo, Norway.

January 14, 2000, "Multibeam Bathymetry of Selected Shallow Sites Surrounding Florida," Marine Science Department, Lecture Series, USF, St. Petersburg, Florida.

March 10, 2000, "Using Multibeam Bathymetry to Plan Submersible Science," at the Sustainable Seas Expedition planning workshop regarding submersible science on the West Shelf of Florida at the Mote Marine Lab in Sarasota, Florida.

June 11, 2000, "Gulf of Mexico: A Potential Pilot Study Area for the Global Ocean Mapping Project (GOMaP)," at the Naval Research Lab sponsored GOMaP workshop in Bay St. Louis, Mississippi.

June 21-

