David F. Naar
College of Marine Science
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January 1, 2020

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):

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7/00–Present	Associate Professor, College of Marine Science, University of South Florida, St. Petersburg, Florida.
2/00–2/04	Co–Director of the Center of Coastal Ocean Mapping, College of Marine Science, University of South Florida, St. Petersburg, Florida.
5/96–2/00	Associate Professor, Department of Marine Science, College of Arts and Sciences, University of South Florida, St. Petersburg, Florida. Florida, St. Petersburg, Florida.
10/86–12/89	Visiting Professional Colleague in Marine Geology and Geophysics, Hawaii Institute of Geophysics, University of Hawaii, Honolulu, Hawaii.
7/82–10/86	Research Assistant, Scripps Institution of Oceanography, University of California, San Diego, California.
9/83–12/83	Teaching Assistant, Scripps Institution of Oceanography, University of California, San Diego, California.
12/79–6/82	Computer Lab Assistant, Department of Geological Sciences, University of California, Santa Barbara, California.

Honors and Awards:

Editor's Citation for Excellence in Refereeing for the *Journal of Geophysical Research* (*Solid Earth*) in 2000
Certificate of Excellence for Outstanding Performance and Lasting Contribution on the USF Graduate Council 2011–2012
ARCS STEM Collaborative Award: Gulf Oil Spill First Responders in 2013

Professional Societies Membership:

American Association for the Advancement of Science
American Geophysical Union
Geological Society of America

17. Fall 1997: RIDGE Conference on Mid-

38. July 22–25, 2001: Interim Site Survey Panel for the international Integrated Ocean Drilling Program, Lamont-Doherty Earth Observatory, NY: Participant.
39. September 24–27, 2001: University of New Hampshire Shallow 2001 Multibeam Conference, Oral presentation and poster presentation: Presenter and Participant.
40. October 11–25, 2001: Hosted two visitors from France, Gente and Blais, modeling changes in plate motion using the wax modeling apparatus at the USF College of Marine Science Plate Tectonics Lab: Host.
41. January 15–17, 2002: ONR Mine Burial and Scour Workshop at Scripps Institution of Oceanography, La Jolla, California: Participant.
42. February 25–27, 2002: Interim Site Survey Panel for the International Integrated Ocean Drilling Program, Beijing, China: Participant.
43. July 22–24, 2002: Interim Site Survey Panel for the international Integrated Ocean Drilling Program, Lamont-Doherty Earth Observatory, NY: Participant.
44. October 23–25, 2002: ABYSS Workshop–Author of Plate Tectonic Section, Presenter and Participant.
45. November 14, 2002: ONR Mine Burial and Scour Pre-Experiment Meeting at USF College of Marine Science: Host.
46. December 7, 2002: NSF Post-cruise Meeting II at the AGU in San Francisco: Convener.
47. January-March 2003: ONR Mine Burial and Scour Experiment near Clearwater, Florida January–March 2003: Site Coordinator.
48. January 28–30, 2003: Annual ONR Mine Burial and Scour meeting at St. Petersburg, Florida: Host, Presenter, and Participant.
49. February 24–26 and July 28–30 of 2003: Interim Site Survey Panel for Integrated Ocean Drilling Program: Participant on extended service.
50. February 2003 – February 2004: Formulated and chaired the MATRIX working group tasked to automate and integrate Site Characterization Requirements for the Integrated Ocean Drilling Program for the Site Survey Panel and Pollution Prevention and Safety Panel: Coordinator.
51. April 1–4: FEMME 2003: (Forum for EM Multibeam Experience) Kongsberg-Simrad Multibeam Users Conference, Cadiz Spain: Presenter and Participant.
52. April 7–11: Spring AGU-EGS-EUG meeting in Marseilles, France: Presenter, Participant.
53. May 2003: Two NSF Panels: Participant.
54. May 19–21, 2003: Coastal Sediments ’03: Clearwater, Florida: Presenter and Participant.
55. June 30–July 2, 2003: ONR Preparation Meeting for the Mine Burial and Scour Experiment at Martha’s Vineyard: Presenter and Participant.
56. July 3–July 22, 2003: Multibeam mobilization of R/V Melville and testing of the installation of the USF Kongsberg EM 3000 Multibeam system: Coordinator.
57. September 8–10, 2003: InterRidge Hotspot Meeting, Brest, France: Presenter and Participant.
58. September 24–27, 2003: Oceans 2003 Meeting, San Diego, CA: Presenter and Participant.
59. October 10–11, 2003: MorganFest, Princeton, NJ: Participant.
60. November 2003: Two NSF Panels: Participant.

85. June 25–30, 2006: NSF Ridge 2000 Theoretical Institute Short Course on

100. October 2016: 23rd 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, Tampa, Florida: Participant.
101. February 2017: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
102. October 2017: 24th 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, Atlanta, Georgia: Participant.
103. January 9–11, 2018: Florida Coastal Mapping Program Workshop, Florida Fish and Wildlife Research Institute, St. Petersburg, Florida: Participant.
104. January 2018: NSF panel: Participant.
105. February 2018: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
106. June 21-22, 2018: Sloan Directors meeting at the Sloan Foundation Headquarters, Manhattan, New York.
107. November 2018: Attended the 25th 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.
108. January 2019: NSF panel: Participant.
109. February 2019: National Ocean Science (Spoonbill) Bowl: Served in Judges "Bullpen" and reviewed Scientific Questions before competition, USF St. Petersburg, Florida: Participant.
110. May 11-13, 2019: Summit on Improving Geoscience Graduate Student Preparedness for the Future Workforce, University of Texas at Austin: Participant.
111. May-

5. University of South Florida Grant for University of Tokyo Scientists to collect 3-D magnetics along the Easter Seamount Chain, 9/1/92 – 8/31/93, $5,000.
6. American Chemical Society, Petroleum Research Fund, "Computer Modeling of Microplate Formation Along A Divergent Plate Boundary," 5/1/91 to 8/31/93, $18,000.
7. National Science Foundation, Ocean Sciences Division, "GLORIA Investigation of the Fastest Spreading Segment of the Global Seafloor Spreading System," 10/1/92 to 9/30/94, $492,308 (R.N. Hey, P.I., D.F. Naar, co-P.I.; USF Portion $23,809).
8. National Science Foundation, Ocean Sciences Division, "GLORIA and Geochemical Investigation of the Easter Seamount Chain," 10/1/92 to 9/30/95, $563,557 to USF.
9. University of South Florida Research Council, "Seed Money to Prepare for a Submersible Program and Proposal," 5/1/94 to 4/30/95, $6,000.
10. IFREMER Grant from France, "Construction and use of an Underwater Digital Geocompass," 11/1/93 to 6/1/94, $11,264.
11. Travel Grant from Spain, "Seismic Survey of Easter Island," 12/31/93 to 6/1/94, $1,000.
12. Office of Naval Research, "Support of the Research Activities of a Marine Engineering Institute at the University of South Florida," 6/1/94 to 5/31/96, $15,258.
13. Office of Naval Research, "Physical Properties of Sediments," 8/1/94 to 7/31/96, $99,179 (A.C. Hine, P.I., D.F. Naar co-P.I.; $25,000 to Naar).
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 AUV Technology," 1/1/96 – 12/31/97, $793,588 (A. Hine, Lead P.I., D.F. Naar, co-P.I.; $300,000 to Naar).
16. University of South Florida Research Council Travel Grant to the European Geophysical Society meeting, 10/15/95, $1,500.
17. University of South Florida Research Council Travel Grant to join the French and German expedition to the Foundation Seamount Chain, 10/15/96, $1,500.
18. Department of Interior, United States Geological Survey, "High Resolution Multibeam Swath Bathymetry System co-purchase to Map Shallow Water Environments," 10/1/97–9/30/98, $50,000.
19. Office of Naval Research, "Utilizing Autonomous Underwater Vehicles for

21. Office of Naval Research, “A Multi-Disciplinary Investigation of the Nature and Predictability of Sediment Resuspension in Shallow Water: Effect on Water Column and Bottom Optical Properties,” 8/1/98–12/31/99, $451,381. (A.C. Hine, Lead P.I., D.F. Naar, Co-P.I.; $150,000 to Naar).
22. Office of Naval Research (DURIP), “High-Resolution Multibeam System to Map Nearshore Bathymetry in Support of ONR Projects,” 3/31/99–3/30/00, $162,233.
23.

38. Florida Institute of Oceanography, “Multibeam Mapping and Geochemical Investigation of the Ft. Myers Mud springs,” 1/1/02–6/30/02, $18,000 (R.H. Byrne, Lead P.I., and D.F. Naar, Co-P.I.; funds paid for ship, Lem-1.Fii.1iP.I-52 -0(.)TJ-20M (.F)1 (.

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 Steamboat Lumps to Madison Swanson, a new MPA, 10/1/2009–9/30/2010, $90,000.
62. NOAA, Multibeam mapping of deep corals, Supplement, 6/1/2010- 5/31/2011, $27,000.
63. Nine USGS Student Support Contracts. Co-PI for Years: 2012, 2013, 2014, 2015, 2016, 2017, 2018, and 2019 (J. Dixon, Lead PI; D.F. Naar, Co-PI, in charge of managing the contracts and funds, approximately two students per year at $50,000 per year totaling ~ $400,000, over the past eight years).
64. Alfred P. Sloan Foundation, University Center for Exemplary Mentoring (UCEM) at USF, 2017–2021, $2,500,000 ($500K/year funding for underrepresented minority graduate students; Jose Zayas-Castro, Lead PI; Co-PIs: B. Batson, F. Muller-Karger, and D.F. Naar–either at USF College of Engineering or Marine Science)
65. Florida Institute of Oceanography, "IDH 3350-005 Marine Science of Estuaries," 7/1/19–6/30/20, $6,700 (D.F. Naar, Lead P.I.; funds paid for ship time).

Peer-Reviewed Publications:

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

1. Keating, B., N.Z. Cherkis, P.W. Fell, D. Handschumacher, R.N. Hey, A. Lazarewicz, D.F. Naar, R.K. Perry, D. Sandwell, D.C. Schwank, P. Vogt, and B. Zondek, Field tests of SEASAT bathymetric detections, *Mar. Geophys. Res. 7*, 69–71, 1984.
2. Hey, R.N., D.F. Naar, M.C. Kleinrock, J.W. Phipps Morgan, E. Morales, and J.G. Schilling, Microplate tectonics along a superfast seafloor spreading system near Easter Island, *Nature 317*, 320–325, 1985.
3. Naar, D.F., and R.N. Hey, Fast rift propagation along the East Pacific Rise near Easter Island, *J. Geophys. Res. 91*, 3425–3438, 1986.
4. Mammerickx, J., D.F. Naar, and R.L. Tyce, The Mathematician paleoplate, *J. Geophys. Res. 93*, 3025–3040, 1988.
5. Francheteau, J., P. Patriat, J. Segoufin, R. Armijo, M. Doucoure, A. Yelles-Chaouche, J. Zukin, S. Calmant, D.F. Naar, and R.C. Searle, Pito and Orongo fracture zones: The northern and southern boundaries of the Easter microplate (southeast Pacific), *Earth and Planet. Sci. Lett. 89*, 363–374, 1988.
6. Naar, D.F., and R.N. Hey, Speed limit for oceanic transform faults, *Geology 17*, 420–422, 1989.

7. Sempere, J.C., J. Gee, D.F. Naar, and R.N. Hey, Three-dimensional inversion of the magnetic field over the Easter-Nazca propagating rift near 25˚S, 112˚ 25'W, *J. Geophys. Res. 94*, 17409–17420, 1989.
8. *Hagen, R.A.*, N.A. Baker, D.F. Naar, and R.N. Hey, A SeaMARC II survey of

23. Kruse, S.E., **Z.J. Liu**, and D.F. Naar, Effective elastic thickness of the lithosphere along the Easter Seamount Chain, *J. Geophys. Res. 102*, 27305–27317, 1997.
24. Canales, J.P., J.J. Danobeitia, R.S. Detrick, E.E.E. Hooft, R. Bartolome, and D. Naar, Variations in axial morphology along the Galapagos spreading center and the influence of the Galapagos hotspot, *J. Geophys. Res. 102*, 27341–27354, 1997.
25. **Liu, Z.J.** and D.F. Naar, Swath bathymetry processing of GLORI-B and SeaBeam 2000, *Mar. Geophys. Res. 19*, 397–409, 1997.
26. **Liu, Z.J.** and D.F. Naar, Side-scan processing of GLORI-B and SeaBeam 2000, *Mar. Geophys. Res. 19*, 411–419, 1997.
27. **Bird, R.T.**, D.F. Naar, R.L. Larson, R.C. Searle and C.R. Scotese, New models for the origin and tectonic development of the Juan Fernandez Microplate, *J. Geophys. Res. 103*, 7049–7067, 1998.
28. **Bird, R.T.**, S.F. Tebbens, M.C. Kleinrock and D.F. Naar, Episodic triple junction migration by rift propagation and microplates, *Geology 27*, 911–914, 1999.
29. Kruse, S.E., S.F. Tebbens, D.F. Naar, **Q. Lou**, and **R.T. Bird**, Comparisons of gravity anomalies at pseudofaults, fracture zones, 2bbBnnM1 (, Z)275 0 .Fuult-a7ul.C. Klei11(o)5 (ns

carbonate/siliclastic sand inner shelf of west-central Florida, *Marine Geology 200*, 171–194, 2003.

37. Hey R., E. Baker, D. Bohnenstiehl, G. Massoth, M. Kleinrock, F. Martinez, D. Naar, D. Pardee, J. Lupton, R. Feely, J. Gharib, J. Resing, C. Rodrigo, F. Sansone, and S. Walker, Tectonic/volcanic segmentation and controls on hydrothermal venting along Earth's fastest seafloor spreading system, EPR 27º–32ºS, *G-Cubed: Geochemistry, Geophysics, and Geosystems 5(12)* 1–32, 2004.
38. **Berman, G.**, D.F. Naar, A.C. Hine, G. Brooks, S.F. Tebbens, **B.T. Donahue**, and R. Wilson, Geologic structure and hydrodynamics of Egmont Channel: An anomalous inlet at the mouth of Tampa Bay, Florida, *J. Coastal Research 21(2), 331–357*, 2005. https://doi.org/10.2112/03-0015.1
39. *Jarrett, B.D.*, A.C. Hine, R.B. Halley, D.F. Naar, S.D. Locker, A.C. Neumann, D. Twichell, C. Hu, **B.T. Donahue**, W.C. Jaap, D. Palandro, and *K. Ciembronowicz*, Strange bedfellows–a deep-water hermatypic coral reef superimposed on a drowning barrier island; southern Pulley Ridge, SW Florida platform margin, *Marine Geology 214*, 295–307, 2005.
40. *Crockett, J.S.*, C.A. Nittrouer, A.S. Ogston, R.W. Sternberg, N.W. Driscoll, J. Babcock, J.D. Milliman, R. Slingerland, D.F. Naar, **B. Donahue**, J.P. Walsh, W. Dietrich., G. Parker, M. Bera, H. Davies, P. Harris, M. Goni, R. Aller, and J. Aller, Where Rivers and Oceans Collide *EOS, Trans. Amer. Geophys. Union 86(3)*, 25–32, 2005.
41. **McIntyre, M.L.**, D.F. Naar, K.L. Carder, **B.T. Donahue**, and **D.J. Mallinson**, Coastal bathymetry from hyperspectral remote sensing data: comparisons with high resolution multibeam bathymetry, *Mar. Geophys. Res. 27*:129–136, DOI 10.1007/s110001-005-0266-y, 2006.
42. *Lundblad, E.R.*, D.J. Wright, J. Miller, E.M. Larkin, R. Rinehart, D.F. Naar, **B.T. Donahue**, S.M. Anderson, and T. Battista, A Benthic Terrain Classification Scheme for American Samoa, *Marine Geodesy, 29*, 89–111, 2006.
43. Weaver, D., D.F. Naar, and **B.T. Donahue**, Deepwater reef fishes and multibeam bathymetry of the Tortugas South Ecological Reserve, Florida Keys National Marine Sanctuary, Florida. *In* Emerging technologies for reef fisheries research and management, J.C. Taylor (ed.), *NOAA Professional Paper NMFS (5)*, 48–68, 2006.
44. **Wolfson, M.L.**, D.F. Naar, P.A. Howd, S.D. Locker, **B.T. Donahue**, C.T. Friedrichs, A.C. Trembanis, M.D. Richardson and T.F. Wever, Multibeam observations of mine burial near Clearwater, Florida, including comparisons to predictions of wave-induced burial. In: Wilkens R.H and M.D. Richardson (Editors) for a Special Issue on Mine Burial Processes. *IEEE Journal of Oceanic Engineering 32(1)*, 103–118, 2007.
45. *Florea, L.J.*, H.L. Vacher, **B.T. Donahue**, and D.F. Naar, Quaternary Cave Levels in Peninsular Florida, *Elsevier Editorial System(tm) for Quaternary Science Reviews*, doi:10.1016/j.quascirev.2007.02.01, *26*, 1344–1361, 2007.
46. *Crockett, J.S.*, C.A. Nittrouer, A.S. Ogston, D.F. Naar, and **B.T. Donahue**, Morphology and filling of incised submarine valleys on the continental shelf near

47. *Wall, C.W.*, **B.T. Donahue**, D.F. Naar, and D.A. Mann, Spatial and temporal variability of red grouper holes within Steamboat Lumps Marine Reserve, Gulf of Mexico, *Marine Ecology Progress Series, 431*, 243–254, 2011.
48. **Manoukian, S.**, G. Fabi, and D.F. Naar, Multibeam Investigation of an artificial reef settlement in the Adriatic Sea (Italy) 33 years after its deployment, *Brazilian Journal of Oceanography, 59 (Special CARAH Issue)*, 145–153, 2011.
49. Ray, J.S., J.J. Mahoney, R.A. Duncan, J. Ray, P. Wessel, and D.F. Naar, Chronology and geochemistry of lavas from the Nazca Ridge and Easter Seamount Chain: a ~30 Myr hotspot record, *Journal of Petrology, 53(7),* 1417–1448, doi:10.1093/petrology/egs021, 2012.
50. *Saul, S.E.*, J.F. Walter III, D.J. Dike, D.F. Naar, and **B.T. Donahue**, Modeling the spatial distribution of commercially important reef fishes on the West Florida Shelf, *Fisheries Research, 143*, 12–20, http://dx.doi.org/10.1016/j.fishres.2013.01.002, 2013.
51. **Mallinson, D.**, A. Hine, D. Naar, S. Locker, and **B. Donahue**, New perspectives on the geology and origin of the Florida Middle Ground carbonate banks, West Florida Shelf, USA, *Marine Geology, Volume 355*, 54–70, http://dx.doi.org/10.1016/j.margeo.2014.04.007, 2014.
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, 2014.
53. **Kilborn, J.P.**, D.L. Jones, E.B. Peebles, and D.F. Naar, Resemblance profiles as clustering decision criteria: Estimating statistical power, error, and correspondence for a hypothesis test for multivariate structure, *Ecology and Evolution 7*:2039–2057, 2017.
54. Rovere, A., P. Khanna, C.N. Bianchi, A.W. Droxler, C. Morri, and D.F. Naar, Submerged reef terraces in the Maldivian Archipelago (Indian Ocean), *Geomorphology 317*:218–322, 2018. https: Doi.org/10.1016/j.geomorph. 2018.05.026.
55. *Wang, M.*, C. Hu, J. Cannizzaro, D. English, X. Han, D. Naar, B. Lapointe, R. Brewton, and F. Hernandez, Remote Sensing of *Sargassum* Biomass, Nutrients, and Pigments, *Geophys. Res. Lett. 45:*12359–12,367

Books and Monographs:

1. Naar, D.F., *A propagating rift explanation for the Easter-Nazca spreading center*, M.S. Thesis, Scripps Institution of Oceanography, University of California, San Diego, 45 pp., 1984.
2. Naar, D.F., *Large-scale plate boundary reorganization at the Easter microplate*, Ph.D. Dissertation, Scripps Institution of Oceanography, University of California, 214 pp., 1990.

Peer-Reviewed Book Chapters:

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

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., **B.T. Donahue**, 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, **D.J. Mallinson**, *K.T. Ciembronowicz*, N.B. Ogden, **B.T. Donahue**, and D.F. Naar, Coral Reefs, Present and Past, on the West Florida Shelf and Platform Margin, Coral Reefs of the USA. Pages 127–174 *in:* Series: Coral Reefs of the World, Vol. 1 Riegl, Bernhard; Dodge, Richard E. (Eds.), XXII, 806 p. 470 illus., 450 in color., Hardcover ISBN: 978-1-4020-6846-1, 2008.
6. Allee, R.J., A.W. David, and D.F. Naar, Ch. 30: Two Shelf Edge Marine Protected Areas in the Eastern Gulf of Mexico. *In Seafloor Geomorphology as Benthic Habitat: GeoHab Atlas of seafloor geomorphic features and benthic habitats*. (Harris, P.T. and Baker, E.D., eds.), Elsevier, Amsterdam, 435–448, ISBN: 978-0-12-385140-6, 2012.
7. Wright, D.J., J.T

11. **Mallinson, D.**, D. Naar, A. Hine, M. Hafen, S. Schock, S. Smith, J. Kloske, G. Gelfenbaum, D. Wilson, D., Lavoie, M. Richardson, Acoustic seafloor mapping using the AUV Ocean Explorer, Proceedings of the Tenth International Symposium on Unmanned Untethered Submersible Technology, September 7–10, 1997, Document No. 97-9-01, 339–352.
12. Maia, M., R. Hekinian, D. Ackermand, A. Dehghani, P. Gente, D. Naar, J. O'Connor, K. Perrot, J. Phipps Morgan, G. Ramillien, S. Revillon, A. Sabetian, D. Sandwell, P. Stoffers, The Foundation Hotline Cruise: Past and present ridge-hotspot interaction zones in the South Pacific, *InterRidge News 6* (3), 36, 1997.
13. Naar, D.F., Cruise Report for the Ft. Lauderdale 100–500 kHz side-scan surveys of the Navy Test Range, November–December, University of South Florida, St. Petersburg, 1998.
14. **Mallinson, D.**, D.F. Naar, A.C. Hine, **D. Wilder**, S. Smith, and S. Schock, Seafloor Mapping and Target Identification Using Autonomous Underwater Vehicles: Applied AUV Experiments in Nearshore Settings of Florida, Proceedings of the Eleventh International Symposium on Unmanned Untethered Submersible Technology, Lee, New Hampshire, Document Number 99-8-01, pages 257–269, August 1999.
15. **Mallinson, D.**, A. Hine, D. Naar, G. Gelfenbaum, D. Wilson, Technical Report: ONR Grant N00014-96-1-5032, "Utilizing Autonomous Underwater Vehicles for Seafloor Mapping, Target Identification, and Predictive Model Testing", 153 p., 2000.
16. Naar, D.F., K. Johnson, D. Pyle, P. Wessel, R.A. Duncan, J. Mahoney, Cruise Report for Leg 6 of the Drift Expedition aboard the *R/V Revelle*

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21. 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.
22. 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.

Published Abstracts:

(people I advised, co-advised, supervised, or co-supervised are in **bold)**
(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 superfast spreading East Pacific Rise near Easter Island, *Eos Trans. AGU 64*, 855, 1983. Invited.
2. Naar, D.F., and R.N. Hey, Preliminary analysis of Sea Beam and magnetics data from the Easter microplate, *Eos Trans. AGU 64*, 855, 1983. Invited.
3. Naar, D.F., and R.N. Hey, Origin of the Easter-Nazca spreading center by fast rift propagation, *Eos Trans. AGU 65*, 1006, 1984.
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120. Varga, R. J., J.A. Karson, J. Francheteau, J.S. Gee, K. Gillis, R. Hekinian, R. Hey, E. Klein, D. Naar, and Pito Deep Scientific Party, Alvin, Jason II, DSL-120 Investigation of Super-Fast EPR Crust Exposed at the Pito Deep Rift, Easter Microplate, SE Pacific, *Eos Trans. AGU 86(52)*, Fall Meet. Suppl., Abstract T33D-0591 (F313), 2005.
121. Hey, R.N., J.S. Gee, and Pito Deep Scientific Party, ALVIN Magnetometer Investigations of Pito Deep, Easter Microplate, *Eos Trans. AGU 86(52)*, Fall Meet. Suppl., Abstract T33D-0592 (F313), 2005.
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123. Wright, D.J., K.R. Hogrefe, D. Naar, J. Roberts, J.E. Miller, S. Ferguson, A.A. Koppers, T. Battista, E. Lim, L.A. Taylor, P. Anderson, Regional and nearshore

1981:
September, Deployment of an ocean bottom seismo

1995:
June, Chirp, side-scan survey and measurement of sediment physical properties at Indian

1998:
March-April, DSL-120 and Tow-Yo survey of the fastest seafloor spreading segment on Earth, Easter Island-Tahiti, chief scientist, R.N. Hey, *R/V Melville.*

November, Ft. Lauderdale 100 & 500 kHz side-scan survey of Navy Test Range, Ft. Lauderdale–Ft. Lauderdale, chief scientist, D.F. Naar, *R/V Seadiver*.

December, Ft. Lauderdale 100 & 500 kHz side-scan survey of Navy Test Range, Ft. Lauderdale–Ft. Lauderdale, chief scientist, D.F. Naar, *R/V Suncoaster*.

1999:
February, Sea trials of Simrad EM 3000, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

February, Simrad 3000 multibeam survey of the ONR HyCODE and EcoHab test sites near Sarasota, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

March, Simrad 3000 multibeam survey of selected sites near the mouth of Tampa Bay, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Bellows*.

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.*

2000:
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–Yokohama, Japan, chief geologist, D.F. Naar, *R/V Moana Wave.*

November, 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*.

December, Simrad EM 3000 multibeam survey of the Dania Beach area for the Florida Marine Research Institute, Nova University, and the South Florida Ocean Measurement Center, Dania Beach–Dania Beach, chief scientists, D.F. Naar and B. Donahue, *R/V Price*.

2001:
January, Simrad EM 120 multibeam test cruise, San Diego–San Diego, chief scientist, C. deMoustier, *R/V Revelle*.

March, Simrad EM 3000 multibeam survey of the Ft. Myers Mudhole Submarine Springs, shipwrecks, artificial reef site, Egmont Deep, and the Bayboro Harbor, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Suncoaster*.

August, Simrad EM 3000 multibeam survey of the Dry Tortugas, St. Petersburg–St. Petersburg, chief scientist, D. Weaver (USGS), co-chief scientist D.F. Naar, *R/V Bellows*.

September, Simrad EM 3000 multibeam survey of Pulley Ridge, St. Petersburg–St. Petersburg, chief scientist, R. Halley (USGS), co-chief, A. Hine, *R/V Suncoaster*.

November–December, Simrad EM 120 and dredging survey of the Nazca Ridge and Easter Seamount Chain to assess hotspot fixity in the Pacific Basin, Callao, Peru–Easter Island, chief scientist, D.F. Naar, co-chiefs, K. Johnson, D. Pyle, P. Wessel. *R/V Revelle*.

2002:
March, Simrad EM 120 multibeam survey around Tutuila, American Samoa, Pago Pago–Pago Pago, chief scientist, D.F. Naar, co-chief D. Wright, *R/V Revelle*.

April, 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*.

April, Simrad EM 3000 multibeam survey of the ONR Mine and Burial study area in water depths greater than 10 meters west of Indian Rocks Beach, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

April-May, Simrad EM 3000 multibeam survey of Miller's Ledge and Riley's Hump south of the Dry Tortugas, St. Petersburg–Key West, chief scientists, D.F. Naar and D. Weaver, *R/V Suncoaster*.

June, Inspection and survey of the R/V Savannah in preparation for Simrad EM 3000 survey of the Oculina Bank, Savannah, Georgia, D.F. Naar and B. Donahue, *R/V Savannah*.

July, Simrad EM 3000 multibeam survey of Madison-Swanson and Twin Ridges in the NE Gulf of Mexico, St. Petersburg–Panama City–St. Petersburg, chief scientist, D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

November, Simrad EM 3000 multibeam survey of National Park and National Marine Sanctuary areas near American Samoa, Pago Pago–Pago Pago, chief scientist, D.F. Naar, co-chief, B. Donahue, *M/V Lady Ann*.

2003:
January-March, ONR Mine Burial and Scour Experiment West of Clearwater Beach, St. Petersburg–St. Petersburg (multiple legs), chief scientist, D.F. Naar, co-chiefs, B. Donahue, S. Locker, M. Richardson, *R/V Suncoaster*.

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*.

2004:
April-May, Second Leg of EM3000 multibeam mapping of the Fly River Delta, Papua New Guinea, Cairns–Port Moresby–Cairns (multiple legs), chief scientists, A. Ogstron, C. Nittrouer, *R/V Melville*.

October, Simrad EM 3000 multibeam mapping of the Florida Middle Grounds and Tampa Bay, St. Petersburg–St. Petersburg, chief scientist D.F. Naar, co-chief, B. Donahue, *R/V Suncoaster*.

2005:
January-March, Alvin, Jason, DSL120 investigation of crustal structure at Pito Deep, Easter Island–Tahiti, J. Karson, Ch. Sci., co-chiefs, D. F. Naar, R. Hey, and E. Klein, *R/V Atlantis*.

July-August 2005: Land Support for 3 NOAA legs of the R/V Suncoaster EM 3000 Multibeam survey of Florida Middle Ground and NW Florida Shelf Edge Corridor and Fill-In areas, St. Petersburg–St. Petersburg, chief scientist B. Donahue, *R/V Suncoaster*.

August, 2005: Hull-Mounted EM3002 Sea Trial and scour investigation of Artificial Reefs, Ancona–Ancona, Italy, chief scientist, G. Fabi, *R/V Ismar*.

2015:
September, Reson 7125 (200-400 kHz) Mobilization and Sea Trial in Tampa Bay, chief scientist, C. Lembke, co-chief, D.F. Naar.

2019:
May, NSF REU FIO Demonstration Cruise using Reson Dual-head Seabat Multibeam (200-400 kHz), EK-80, CTD, Rosette, in Tampa Bay and the Gulf of Mexico, St. Petersburg–St. Petersburg, chief scientist, D.F. Naar, *R/V Hogarth*.

Student Committees Served On (**Advisor, *Co-Advisor):

S. Ahmed, Ph.D.
**G. Berman, M.S.
*R. Bird, Ph.D. (University of Rhode Island)
M. Bordelon, M.S.
**J. Brizzolara, M.S.
E. Brown, Ph.D.
S. Burroughs, Ph.D.
*N. Comer, B.A. (Eckerd College)
F. Delfin, M.S.
D. Duncan, Ph.D.
D. Firesinger, M.S.
**J. Gray, M.S.
*M. Hafen, Ph.D.
S. Harrison, M.S.
C. Huang, M.S
*S. Hymel, M.S.
B. Jarrett, Ph.D.
*J. Kilborn, Ph.D.
*T. Leary, M.S.
**Z. Liu, Ph.D.
**S. Manoukian, Ph.D.
**M. McIntyre, M.S.
S. Morrison, M.S.
**Y. Rappaport, M.S.
**S. Saleem, M.S.
S. Sherman, M.S.
**L. Stewart, M.S.
E. Tenthorey, M.S.
J. van Gaalen, M.S.
C. Wall, Ph.D.
*J. Wang, M.S.
M. Wang, Ph.D.
**D. Wilder, M.S.
**M. Wolfson, M.S.

Student Committees Currently Serving On (**Advisor, *Co-

6. Structural Geology (Undergraduate)
7. Methods in Seafloor Mapping (Graduate)
8. Methods in Marine Geophysics (Graduate)
9. Surf Science (Undergraduate and Graduate)
10. Advanced Undergraduate Oceanography (Undergraduate)
11. Introduction to Oceanography (Undergraduate Survey Course 3 lectures)
12. Remote Sensing (acoustic methods for seafloor and water column mapping lecture)
13. Research Experience for Undergraduates (Undergraduate)
14. Honors Course in Marine Studies of Estuaries (Undergraduate)

Invited Presentations:

February 5, 1990, "Large-Scale Plate Boundary Reorganization at the Easter Microplate," IGPP Geophysics Seminar at Scripps Institution of Oceanography, University of California, San Diego.

February 21, 1991, "Propagating Rifts and Microplates: Second-OIGeor sc mnviti3-2 (udi)- (e)-1 ( )5 ((nd)](

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.

April 14, 1995, "Volcanoes Above and Below the Sea" Geology Department Colloquium, University of South Florida, Tampa.

July 15, 1995, "Active Underwater Volcanoes" Marine Quest '95 for the Department of Environmental Protection's Florida Marine Research Institute Public Open House, St. Petersburg.

May 8, 1996, “Mathematician paleoplate revisited suggests two-stage birth of East Pacific Rise” Special Session on Mid-) (t)-2 Td[

Forum for open Exchange for Multibeam Mapping Endeavors (FEMME) Conference in Amsterdam, Netherlands.

August 11, 2008, “Plate Tectonics and Seafloor Mapping” a short invited seminar to a small group of the Ministry Department in the Republic of the Maldives, Male.

March 13, 2012, “Passive and Active Acoustics with C-Bass” a review of FIO and CMS activities at the first Southeast Acoustic Consortium (SEAC) workshop at the Marine Science Program at the North Miami Campus of Florida International University (FIU).

June 27-28, 2012, “Wax model demonstrations of Plate Tectonics” to the Oceanography Camp for Girls, USF-CMS, St. Petersburg, Florida.

May 20-22, 2013 “A full summary of the past decade of seafloor mapping surrounding Florida” at the Workshop on the Interrelationships Between Coral Reefs and Fisheries, hosted by the Gulf of Mexico Fishery Management Council, Tampa, Florida.

March 2, 2016 “Opportunities in the College of Marine Science Graduate Program” at Eckerd College, St. Petersburg, Florida.

February 15, 2017 “Opportunities in the College of Marine Science Graduate Program” at Eckerd College, St. Petersburg, Florida.

February 22, 2017 “Investigations of hydrothermal venting and new seafloor spreading near Easter Island” at Eckerd College, St. Petersburg, Florida.

May 9-10, 2018 “Propagating Rifts” presented on behalf of R. N. Hey and his SIO Plate Tectonics Lab (Kleinrock, Naar, and Caress) at the *50th Year Anniversary of Plate Tectonics Symposium* at Scripps Institution of Oceanography, UCSD, California.

October 22, 2018 “Graduate Research Opportunities at the College of Marine Science,