

TERESA M. GREELY, PHD

College of Marine Science
University of South Florida
140 Seventh Avenue South, St. Petersburg, Florida 33701
Office: 727-553-3921 greely@usf.edu

PROFESSIONAL PREPARATION

University of South Florida, Tampa FL <i>Advisor, Dr. Dana Zeidler</i>	SCIENCE EDUCATION	PhD	2008
University of South Florida, St. Pete FL <i>Advisor, Dr. Joseph Torres</i>	MARINE SCIENCE	MS	1994
New College, Sarasota, FL <i>Advisor, Dr. Sandra Gilchrist</i>	NATURAL SCIENCES	BA	1985

Areas of Specialization: Ecology and physiology of oceanic and estuarine fishes, age and growth, Comparative biochemical physiology; Ocean science education, graduate education, teacher education

PROFESSIONAL APPOINTMENTS

1995-	Faculty Director Education and Outreach, University of South Florida, Marine Science
2000-	Instructor, University of South Florida, Honors College, Tampa and St. Petersburg
2003-	Instructor, University of South Florida, College of Education, St. Petersburg
2014	Instructor, Florida Institute Oceanography, Field Studies in Marine Biology
2010-2011	Instructor, University of South Florida, College of Arts and Sciences, St. Petersburg
2004-2005	Science Writer, Holt, Rhinehart & Winston Publishing, Austin, TX
1993-1995	Research Associate, University of South Florida, Marine Science, Tampa, FL
1987-1994	Research Scientist, Florida Marine Research Institute, Saint Petersburg, FL
1985-87	Research Specialist, Sarasota County Environmental Services, Sarasota, FL

TEACHING (Courses Taught)

OCE	6940C	Experiential Learning in Marine Science
OCE	6948	Scientist in the Classroom
OCE	6949C	Developing and Teaching a STEM course
OCE	6950	Teaching Ocean Sciences
OCE	6934	Teaching Marine Science I and II
SCE	5934	Selected Topics in Life and Marine Sciences
SCE	5934	Selected Topics in Physical and Marine Sciences
SCE	4310	Science/Children: Science Methods Elementary Teaching
NAT	4000	Oceanography
IDH	3350	Science Seminar Course & Mentoring Student Projects
IDH	3350	Interdisciplinary Natural Science – Oceanography
IDH	3350	Interdisciplinary Natural Science – Fish Ecology
IDH	3350	Interdisciplinary Natural Science – Marine Biology
NAT	3000	Human Anatomy and Physiology, Lecture and Labs
OCE	2001	Introduction to Oceanography (online and on the ground sections)

FIELD RESEARCH: 60 Research Cruises (Atlantic, Caribbean, Gulf of Mexico, Southern Ocean); 25 coastal research projects (CIMAGE, FWC, TBEP, New College, Sarasota Co, Mote Marine, SWFWMD); Johnson Sea-Link submersible dives; R/V Atlantis II and Alvin Submersible- IMAX Film Volcanoes of the Deep- MOR footage; JOIDES Resolution-ocean drilling deep water sediments Expedition 340;

OTHER SCHOLARLY, PROFESSIONAL OR CREATIVE ACTIVITIES

PROFESSIONAL WRITING: Oceanography Career Profile (U Arizona), 3 Oceanography Teaching and Learning Manuals (U South Florida), 2 Book chapters (Holt, Rinehart and Winston), social media

OTHER TRAINING: Cert. Diver, Youth Development-Level III, Gender Equity, DLESE Workshops, Multicultural Training, Teen Issues, Teaching GIS Workshop, GLOBE Training Facilitator, NOAA Ocean Explorer Education and Training Facilitator

PROFESSIONAL AFFILIATIONS: American Society of Limnology and Oceanography, American Geophysical Union, The Oceanography Society, Association of Women In Science, National Science Teachers Association, National Marine Science Educators, National Association of Research in Science Teaching, Association for the Education of Teachers in Science, Assoc. Educational Leadership; ARCS National Board, ARCS President Florida Chapter

PROFESSIONAL ADVISORY COMMITTEES: Proposal Review Committees for National Science Foundation (Geosciences, ESIE, HRD), US Fish & Wildlife, Sea Grant, Pinellas County IFAS-U Florida Extension, IMAX: Volcanoes of Deep Sea Education Advisory Team, Project Oceanography Advisory Board, NOSB Regional Competition, Canterbury Schools Marine Science Advisory Board, Tampa Baywatch Education Committee, Scubanuts International Executive Board, ARCS (Achievement Rewards for College Scientists) National Board, ARCS Florida Chapter President,

AWARDS, LECTURESHIPS, PRIZES:

2017 ARCS National Light Award for Service and Leadership
2012 Selected as IODP Education Officer, JOIDES Resolution Expedition 340 to Lesser Antilles
2008 Partnership Award for City of St. Petersburg Mayors Mentoring & More Programs
2004 Tampa Town & Gown Outstanding Science Award for Community Contribution
2000 DeWitt Wallace-Reader's Digest Fund/Academy Educational Development Scholarship
1999 DeWitt Wallace-Reader's Digest Fund/Academy Educational Development Scholarship
1997 YWCA/Tampa Bay Region, Outstanding Leadership and Accomplishments in Education
1996 Environmental Excellence Award in Education for the Oceanography Camp for Girls
1996 Environmental Excellence Award in Education for Project Oceanography
1996 NSF Model Program for Women and Girls: Oceanography Camp for Girls
1994 Cum laude (University of South Florida)
1992-94 Graduate Research Assistantships
1985 Magna cum laude (New College)
1983 Academic Excellence Award in Biology (Highest Standing Freshman & Sophomore), Tenn. Tech U

COLLEGIAL ASSIGNMENTS:

College Committees - Long Range Planning Committee, New Student Recruitment, Curriculum Committee, Awards and Honors Committee, Space Committee, Education and Outreach Committee; Clam Bayou Marine Education Center

Collaborators and Co-authors: Teresa Kennedy (GLOBE International Program; Nat Geo-Oceans for Life Program), Tim Short and Friso Van Amerom (SRI International, St. Petersburg), Joachim Dengg (Leibniz-Institut f. Meereswissenschaften, Kiel, Germany), Frank Muller-Karger (International Ocean Institute USA), Alejandro Gutierrez (IOI, Costa Rica), Sharon Cooper (COL, Deep Earth Academy), Susan Haynes and Paula Keener-Chavis (NOAA, Office Ocean Exploration and Research), Steve

Murawski (C-IMAGE, USF Marine Science) Dana Zeidler (USF Science Education), Steve Lang (USFSP, Education)

Graduate Advisors: Joseph Torres (USF), Thomas Hopkins (USF), Dana Zeidler (USF), Pamela Hallock-Muller (USF), Steve Lang (USF), Elaine Howes (USF)

Graduate Committees: Ileana Freytes-Ortiz (USF CMS, PhD), Loraine Martell-Bonet (CMS USF, PhD), Gülce Kurtay (Bilkent University, Turkey, Science Education, MS)

Undergraduate Committees: Emara Ahmad (USF Honors), Katherine Rozar (USF Honors), Morgan Goldstein (USF Honors College), Dominique Gillien (USFSP Honors College)

GRANTS AND CONTRACTS:

Have obtained research funding from Federal, State, and Private Foundations, as either PI or co-PI for an estimated value of over \$8 million:

Duke Energy Foundation, \$25,000, 1/19-12/19, Oceanography Camp for Girls, Operating Funds

Consortium Ocean Leadership, \$9,000, 11/15/18-6/30/19, National Ocean Science Bowl, Regional competition (PI-Greely)

National Marine Sanctuary Foundation, \$25,000, 9/30/18-7/31/20, NOAA Ocean Exploration Alliance Partnership to provide four teacher workshops every two years (PI-Greely)

Pinellas County School Board, NOAA-BWET: Project Title: Elementary Students and Teachers Exploring the Watershed, 6/1/18-5/31/19, \$94,092 (co-PI Greely & Dellert)

COL-GoMRI: C-IMAGE III, \$5,998,625, 1/1/18-12/31/18 (PI-Murawski, sub-award Greely, \$30,000)

Duke Energy Foundation, \$25,000, 1/18-12/18, Oceanography Camp for Girls, Operating Funds

Consortium Ocean Leadership, \$9,000M 11/15/17-6/30/18, Spoonbill Regional Competition (PI-Greely)

Duke Energy Foundation, \$25,000, 1/17-12/17, Oceanography Camp for Girls, Operating Funds

Consortium Ocean Leadership, \$9,000, 11/15/16-6/30/17, National Ocean Science Bowl, Regional competition (PI-Greely)

National Marine Sanctuary Foundation, \$25,000, 9/30/16-7/31/18, NOAA Ocean Exploration Alliance Partnership to provide four teacher workshops every two years (PI-Greely)

Duke Energy Foundation, \$25,000, 1/16-12/16, Oceanography Camp for Girls, Operating Funds

Consortium Ocean Leadership, \$9,000, 11/15/15-6/30/16, National Ocean Science Bowl, Regional competition (PI-Greely)

National Marine Sanctuary Foundation, \$25,000, 9/30/14-7/31/16, NOAA Ocean Exploration Alliance Partnership to provide four teacher workshops every two years (PI-Greely)

NOAA Gulf of Mexico Bay-Watershed Education and Training Program, \$100,000, 9/1/2015-11/30/2016, Tampa Bay to Gulf: Coastal Field-Based Inquiries for Teachers (PI-Greely)

GoMRI C-IMAGE 2 Consortium, \$19,000,000, 1/1/15-12/31/17 Lead Education Activities (PI-Murawski, sub-award Greely, \$250,000)

Duke Energy Foundation, \$25,000, 1/15-12/15, Oceanography Camp for Girls, Operating Funds

NSF-GEO, Collaborative Research, \$XXX,XXX, 1/1/15-12/31/17, Partitioning early Holocene Laurentide v. Antarctic ice melt from high-resolution reconstruction of sea-level rise and glacial isostatic adjustment modeling, 1502753 (PI-Rosenheim, Subaward Greely)

Consortium Ocean Leadership, \$9,000, 10/15/14-6/30/15, National Ocean Science Bowl, Regional competition (PI-Greely)

Duke Energy Foundation, \$10,000, 1/14-12/14, Oceanography Camp for Girls, Operating Funds

NOAA B-WET Gulf of Mexico program, \$99,960, 8/1/13-11/30/14, Tampa Bay Watershed Inquiries, Stewardship and Engagement (PI-Greely)

Consortium for Ocean Leadership, \$13,000, 10/15/13-6/30/14, National Ocean Science Bowl, Regional competition (PI-Greely)

Duke Energy Foundation, \$10,000, 1/13-12/13, Oceanography Camp for Girls, Operating Funds

National Marine Sanctuary Foundation, \$25,000, 9/30/12-7/31/14, NOAA Ocean Exploration Alliance Partnership to provide four teacher workshops every two years (PI-Greely)

Consortium for Ocean Leadership, \$13,000, 10/15/12-7/31/13, National Ocean Science Bowl, Regional competition (PI-Greely)

Progress Energy Foundation Education Award, \$10,000, 1/1/12-12/31/12. Oceanography Camp for Girls, Operating Funds

Consortium for Ocean Leadership, \$13,000, 10/15/11-7/31/12, National Ocean Science Bowl, Regional competition (PI-Greely)

GoMRI C-IMAGE Consortium, \$11,000,000, 9/1/11-10/31/15 Lead Communication & Outreach Activities (PI-Murawski, Subaward Greely, \$500,000)

Consortium for Ocean Leadership, \$15,000, 10/15/10-7/31/11, National Ocean Science Bowl, Regional competition (PI-Greely)

National Marine Sanctuary Foundation, \$25,000, 9/30/10-7/31/12, NOAA Ocean Exploration Alliance Partnership to provide four teacher workshops every two years (PI-Greely)

NSF-CHE, (lead SRI), \$61,620 (subaward), 09/1/09- 10/31/12, Development of a Mass Spectrometer based on Micro Fabricated High Density Cylindrical Ion Trap Arrays, CHE-0923977 (PI- F. van Amerom, co-PI Greely)

International Ocean Institute (IOI), 2010 Women/Youth and the Sea Programme, Oceanography Camp for Girls GLOBE Exchange Program, \$10,000 (PI- M. Hendrix, co-PI Greely)

Wachovia Wells Fargo Foundation, \$15,000, 6/1/10-5/31/11, OCEANS Teaching Fellowship (PI-Greely)

National Marine Sanctuary Foundation, NOAA Ocean Exploration Alliance Partnership, \$25,000, 9/30/10-7/31/12, Goal to provide four teacher workshops every two years (PI-Greely)

Consortium for Ocean Leadership, National Ocean Science Bowl, \$15,000, 9/09-7-10, Regional competition, St. Petersburg, FL (PI-Greely)

Consortium for Ocean Leadership, National Ocean Science Bowl, \$25,000, 9/31/09-7/31/10, Finals competition, St. Petersburg, FL

USGS CMS Partnership, \$150,000, 5/1/09-4/30/14, Support for OCG, In-TOW and NOSB (PI-Greely)

Consortium for Ocean Leadership-NOSB, \$25,000, 10/1/08-7/31/10, Host National Ocean Science Bowl Finals competition in St. Petersburg FL (PI-Greely)

Progress Energy Foundation, \$100,000, 1/1/07-10/31/08, OCEANS Teaching Fellowship (PI-Greely)

Pinellas Community Foundation, \$2000, 1/09-6/09, Oceanography Camp for Girls (PI-Greely)

Community Foundation of Greater St. Petersburg, \$3000, 5/09-11/09, Oceanography Camp for Girls

NOAA Ocean Exploration Alliance Partnership (via National Marine Sanctuary Foundation), \$29,000, 9/30/06-7/31/08, Ocean Exploration Teacher Professional Development, (PI-Greely, co-PI Lodge)

Tampa Bay Estuary Program, \$7500, 2006-07, Community Grant, Restoration of Clam Bayou Marine Education Center to Native Landscape, Phase 2 (PI-Greely, co-PI Lodge)

Tampa Bay Estuary Program, \$7500, 2005-06, Community Grant, Restoration of Clam Bayou Marine Education Center to Native Landscape, Phase 1 (PI-Greely, co-PI Lodge)

Southwest Florida Water Management District, \$5000, 2005-06, Community Education Grant, Restoration of Clam Bayou Marine Education Center (PI-Greely, co-PI Lodge)

ONR-NOPP, \$698,880, 5/15/06-5/14/07, Continuation Project Oceanography by enhancing K-12 Science Education via Satellite-Televised Interactive Technologies (PI-Coble, co-PI Greely)

National Marine Sanctuary Foundation, NOAA Ocean Exploration Alliance Partnership, \$29,000, 9/1/06-7/31/08, Provide four teacher workshops every two years (PI-Greely)

USGS-DMS Partnership, \$30,000, 7/07-4/08, \$30,000, Support for OCG and IN-TOW (PI-Greely)

CORE, National Ocean Science Bowl, \$15,000, 9/1/07-7/31/08, Regional competition, St. Petersburg, FL (PI-Greely)

Progress Energy Foundation award - Partners in Progress, \$25,000, summer 2006, Oceanography Camp for Girls operational expenses (PI-Greely)

United States Geological Survey- Coastal Studies, St. Petersburg, Florida, \$45,000 (Sub-award), 1/15/06-7/31/07, for ship time and expenses for Oceanography Camp for Girls (PI-Greely)

Progress Energy Foundation - Partners in Progress, \$100,000, 12/5/05-6/30/07, GK-12 OCEANS Teaching Fellowships (PI-Greely)

Progress Energy, \$25,000, 1/1/06-12/31/06, Sea Secrets Professional Development Series for Teachers; PDI Sea Secrets Series to be hosted @ Clam Bayou Marine Education Center (PI-Greely)
USGS, \$10,000, 1/15/06-7/31/07, Professional Development Institutes for In-service teachers; PDI Geology Sea Secrets Series for 2006-07 to be hosted @ Clam Bayou Marine Education Center (PI-Greely)

NSF-GEO, \$299,856, 3/1/05-2/8/06, 2005 Host DLESE Annual Meeting (PI-Pyrtle, co-PI Greely)

NSF-BIO, \$199,000, 7/31/03-08/1/06, Bio-complexity: Viruses in Marine Environments (PI-Paul, Greely sub-award)

NASA, \$712,587, 5/1/03-4/30/05, Expand Southeastern US X-Band EOS DB Processing & Analysis Facility: Infrastructure for environmental assessment and public education (PI-Muller-Karger, Greely sub-award)

NSF-DGE, \$1,659,293, 1/1/03-12/31/06, OCEANS: GK-12 Teaching Fellowships, DGE-0231843 (PI-Greely)

NSF-BIO, \$1,290,000, 10/01/02-9/30/07, An autonomous genome sensor for environmental water quality, BIO 0216305 (PI-Paul, Greely sub-award)

NSF-GEO, \$999,999, 9/15/02-8/31/05, Florida Center for Ocean Science Education Excellence (PI-Coble, co-PI Greely)

ONR-NOPP, \$200,000, 5/15/02-5/14/05, Project Oceanography and Oceanography Camp for Girls (PI-Coble, co-PI Greely)

NASA, \$564,587, 5/1/01-4/30/03, Southeastern US X-Band EOS DB Processing & Analysis Facility: Infrastructure for environmental assessment and public education (PI-Muller, Karger, Greely, sub-award)

USGS-DMS, \$60,000, 5/1/00-4/30/05, Oceanography Camp for Girls (PI-Greely)

ONR-NOPP, \$599,812, 5/15/00-5/14/02, Enhancing K-12 Education via Satellite-Televised Interactive Technologies (PI-Coble, co-PI Greely)

NSF-GEO, \$49,718, 7/1/98-6/30/99, Geosciences and Society - A Multimedia Approach by Teachers and Scientists (PI-Kusek, co-PI Greely)

NSF-ESIE, Oceanography Camp for Girls and Teachers, \$116,680, 9/15/96 - 9/14/98, Young Scholars Program with a Math and Science Teacher Perspective, ESI-9654493 (PI-Greely)

Pinellas County School System, Oceanography Workshop for Teachers, \$12,000/summer 1997. This course fulfills three graduate credits or 60 recertification points (PI-Greely)

Pinellas County School System, Oceanography Workshop for Teachers, \$10,800/summer 1996. This course fulfills three graduate credits or 60 recertification points (PI-Greely)

NSF-HRD, Oceanography Camp for Girls, \$99,878, 8/1/95 - 7/31/96, Model Projects for Women and Girls, HRD-9554493 (PI-Greely)

NSF-ESIE, Oceanography Camp for Girls, \$73,756, 5/1/94 - 9/30/95, Young Scholars Program, ESI-9353012 (PI-Betzer, co-PI Greely)

SELECTED PRODUCTS/PUBLICATIONS - SCIENCE EDUCATION

Greely, T., J. Kastler, S. Beresford, and K. Fillingham. 2019. An Underwater Blizzard of Marine Oil Snow. *Current*, 33, 1, 17-20

Greely, T. 2019. Special Issue Featuring the Gulf of Mexico Research Initiative – Research Resulting from the 2010 Deepwater Horizon Oil Spill. Co-Editors: J. Kastler, K. Fillingham, S. Beresford, and T. Greely *Current*, 33, 1, 1-46

Greely, T. 2016. Two validated instruments to measure ocean literacy and reasoning: Survey of Ocean Literacy (SOLE) and Survey of Ocean Environmental Morality (SOEM).

Greely, T. M. 2015. Ocean Literacy and Reasoning about Ocean Issues: The Influence of Content, Experience and Morality. Saarbrücken, Germany: Lambert Academic Publishing.

Greely, T. 2015. Guide for coastal marine fieldtrips, 5th edition, The Oceanography Camp for Girls, *USF College of Marine Science, St. Petersburg, FL*

Greely, T. 2015. Guide to the coastal marine life in the Tampa Bay area, 5th edition, The Oceanography Camp for Girls, *USF College of Marine Science, St. Petersburg, FL*

Greely, T. 2010. Things to know about oceanography, 5th edition, The Oceanography Camp for Girls, *USF College of Marine Science, St. Petersburg, FL*

Greely T. & Ana Munoz. 2008. Florida Earth & Environmental Sciences Professional Development Series. Science content and 5E teaching modules. *USGS Center for Coastal & Watershed Studies, St. Petersburg, Florida.*

Fisher, E., T. Greely, K. Barnes, 2007. The Biological Budget, *Science Scope*, 30 (5): 57-60

Greely, T. and A. Lodge. 2015. Enhancing Teaching Practices through Watershed Research Outreach Programs. Perspectives Video: Teaching Idea, CPALMS-FSU, ID#: 155598
Adventures at Sea (2011-14). Teaching Ocean Sciences from Sea-- Skype in the Classroom ship to shore teaching events via Teachers at Sea in Gulf of Mexico and educational blogs,
<http://adventuresatsea.blog.usf.edu/>

Greely, T. (2012). JOIDES Resolution Expedition 340 Volcanoes and Landslides, Education Officer; 30 video-broadcasts 5 countries, 50 onboard blog posts for Deep Earth Academy,
<http://archive.joidesresolution.org/node/2411>

Hine, A., T. Greely, and A. Lodge. 2012. C-IMAGE Teachers at Sea Maiden Voyages: Promoting Authentic Scientific Research in the Classroom, 2012AGUFMED43A0720H

Greely T & Ana Munoz. 2008. Florida Earth & Environmental Sciences Professional Development Series. Science content and 5E teaching modules. *USGS Center for Coastal & Watershed Studies*

Greely, T and K. Thoms. 2006. Oceanography Camp for Girls, *Currents*, 22 (1): 14-17

Greely T. 2006. Introduction to Ecology, chapter 16. In Florida Holt Science & Technology, level Green, Austin, TX: Holt, Rinehart & Winston Publishing, pp. 484-501, ISBN 0-03-036377-2

Greely T. 2006. Caring for Florida's Environments, chapter 15. In Florida Holt Science & Technology, level Red, Austin, TX: Holt, Rinehart & Winston Publishing, pp. 382-403, ISBN 0-03-036377-2

Spector, B., T. Greely, and G. Kingsley. 2004. Engaging stakeholders in productive meetings to reform science education. *Science Education*, 13(1):58-65

IMAX Film: Volcanoes of the Deep Sea, Teacher's Guide. 2003. Volcanic Ocean Films, 32 pages

Greely, T. A. Lodge, A. J. Pyrtle, & P. Coble. 2004. OCEANS: GK-12 Teaching Fellowship Program-Ocean Scientists in Your Classrooms. National Marine Educators Association Mtg. St. Petersburg, FL.

T. Greely. 2001. Oceanography Camp for Girls, Making it Work through Partnerships. Panelist. *Quality Education for Minorities (QEM)/MSE Network Conference*, Washington DC

T Greely, DeVerteuil, N, B Spector, C Steffen. 2001. Unraveling the complex dynamics among stakeholders creating a vision for science teacher education: Communication and collaboration. *National Association for Research in Science Teaching*, St. Louis, MS

Greely T & L Cary-Kother. 2000. Oceanography, chapter. In Careers: Exploring the Possibilities, *New Mexico Network for Women in Science & Engineering*

Greely, T, N Schmidt, and C Simoniello. 1999, Oceanography: Fun, interdisciplinary educational programs at the University of South Florida. Paper presented at the *American Society of Limnology and Oceanography Aquatic Sciences meeting*, Santa Fe, NM

Tebbens S.F., P. Coble, and T. Greely. 1998. Teaching Marine Science to the Next Generation: from summer camps to weekly nationwide distance learning broadcasts. *EOS, Transactions, American Geophysical Union*, 79 (1):137-141

Greely, T, K Kusek and P Betzer. 1998. Making Waves: scientists, teachers, and students. *American Geophysical Union Annual conference*, San Francisco CA, December Abstracts volume, OS42D-15

SELECTED ACTIVITIES IN MARINE SCIENCE RESEARCH

Greely T., J. Torres, J. Gartner. 1999. Age and growth of *Electrona antarctica* (Pisces: Myctophidae), the dominant mesopelagic fish of the Southern Ocean. *Marine Biology* 133:145-158

Greely T. 1996-1999. Three 6-part video series: Plankton Ecology, Fish Ecology, Year of the Ocean for *Project Oceanography*, *USF College of Marine Science*, St. Petersburg, FL

Greely T.M. 1996. The life of the dominant mesopelagic fish species in the Southern Ocean- a bioenergetic contribution to Antarctic Oceanic system. Ocean Sciences Meeting, San Diego, CA

Greely TM. 1993. *International Symposium on Otolith Microstructure*, Hilton Head, SC

Greely TM. 1993. "Southern Exposure"- Age and growth of the Antarctic lanternfish, *Electrona antarctica*. *American Society of Ichthyologists and Herpetologists Annual Meeting*, Austin, TX

Greely, TM. 1990. Procedures Manual for Field Sampling and Data Management for Fisheries and Independent Monitoring Program. In-house document, *Florida DEP-Marine Research Institute*, St. Petersburg, Florida

Greely T. 1986. Behavioral observations of the symbionts *Chaetopterus variopedatus* and *Pinnixa chaetoptera*. *American Zoology* Volume 42

PARTICIPATION IN PROFESSIONAL MEETINGS AND CONFERENCES

Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 3-6, 2019. GoMRI Outreach and Communication Subcommittee meeting; CIMAGE booth in exhibit hall

NOAA Gulf Bay Watershed Education and Training Grantees Workshop, Corpus Christi, TX, September 6-8, 2019

NASA Minority University Research Education Projects (MUREP) Educators Institute, Kennedy Space Center, Merritt Island, FL, June 2018. provided GLOBE professional development for 96 preservice teachers from Minority Serving Institutions

Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 5-8, 2018. GoMRI Outreach and Communication Subcommittee meeting and workshop

FMSEA Conference, Ft. Lauderdale, FL, May 4-6, 2018. Facilitated workshop, 25 years of the Oceanography Camp for Girls, ocean literacy research, and lessons learned

EMSEA, Malta, October 8-12, 2017. Conference Exhibit - GoMRI Outreach & Communication strategies and best of educational activities

AACU, San Francisco, CA, November 2-4, 2017. Transforming STEM Higher Education: Discovery, Innovation, and the Value of Evidence, pre-conference workshops and training

NOAA BWET, Gulf Bay Watershed Education and Training Recipient Workshop, Grantees Workshop, Galveston, TX, May 5-7, 2017.

Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, February 5-9, 2017. GoMRI Outreach and Communication Subcommittee meeting and workshop

NMEA Conference, June 27-30, Orlando FL, *Invited Panelist*, How do we assess ocean literacy?

GLOBE International Partners Meeting, Los Angeles CA, July 19-24, 2015. Learned NASA-GLOBE mission protocols to add to our trainings

NOAA Gulf Bay Watershed Education and Training Recipient Workshop, Grantees Meeting, St. Petersburg, FL, May 29-31, 2015. Hosted meeting and provided GLOBE training for conference participants

NOAA Climate Education Workshop, St. Petersburg Beach, FL, May 17-18, 2015. Invited Speaker, Practicing Climate Education via Ocean Science Concepts

NSF Geoscience UG Education Proposal Workshop, Arlington, VA, May 14-17, 2015. IUSE program, Review Panel

Florida Marine Science Educators Conference Tampa, FL, May 1-2, 2015. Oceans in the classroom: Five professional development opportunities; *FMSEA Journal*, 2015

Florida Marine Science Educators Conference Tampa, FL, May 1-2, 2015. Field Experiences of C-IMAGE Teachers at Sea: What we learned from our adventures at sea; *FMSEA Journal*, 2015

Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston TX, January 16-19, 2015. Presentation, GoMRI Outreach and Communication Subcommittee meeting

BLUE Ocean Film and Conservation Festival, St. Petersburg, FL, 11/2-7/14. Planning Committee chair with Keep Pinellas Beautiful and Chart411. Committee coordinated a Grand Beach Cleanup as community-based ocean stewardship kick-off event

BLUE Ocean Film and Conservation Festival, St. Petersburg, FL, 11/1-5/14. C-IMAGE Exhibit and video presentations highlighting C-IMAGE science and outreach, and Teacher at Sea program

Florida Marine Science Educators Conference, Panama City Beach, FL, April 25-27, 2014. PCSI 2014: Greely and Lodge, Oceans in the classroom: Five professional development opportunities beginning Fall 2014; *FMSEA Journal*, 2014

Gulf of Mexico Oil Spill and Ecosystem Science Conference, Mobile AL, Jan 26-29, 2014, Session co-Chair 001: Setting the Record Straight: Debunking Myths and Misconceptions about Oil in the Gulf and Promoting Ocean Literacy; and GoMRI Board poster session C-IMAGE Education & Outreach

North American Association Environmental Education (NAAEE), Baltimore MD, Oct. 10-13, 2013. Advancing Ocean Literacy One Teen at a Time, a poster presentation

NOAA, Oceans for Life International Exchange Program, Florida Keys, FL, July 2009. Invited facilitator to teach GLOBE environmental protocols to students representing 6 Middle East, 3 European, and Canadian countries. Training was conducted in Florida Keys in July for GLOBE International.

Florida Marine Science Educators Association (FMSEA) Conference, St. Petersburg, FL, May 18-20, 2012. JOIDES Resolution Outreach Activities for Florida Teachers – Highlights Expedition 340

Florida Marine Science Educators Association (FMSEA) Conference, St. Petersburg, FL, May 18-20, 2012. CIMAGE Outreach Activities for Florida Teachers – Teacher at Sea

GoMRI Outreach Meeting, Metairie, LA, May 8-10, 2012. Gulf of Mexico GoMRI Education planning committee and program development

National Association Research Science Teacher, Nashville, TN, April 2009. Measuring Ocean Literacy: What teens understand about the ocean using the Survey of Ocean Literacy and Engagement (SOLE)

American Geophysical Union annual conference, San Francisco CA, December 12-18, 2009. Presented one paper

Co-chaired, Ocean Education Session at American Society of Limnology and Oceanography, Orlando, FL, March 2008, co-chair with Joachim Dengg (Germany), 8 papers in session and 2 paper presentations by Greely at conference

Association Science Teacher Educators, Garden Grove, CA, January 2008, 1 paper presentation at conference

Annual National Ocean Science Bowl Regional Coordinators Meeting, Washington, DC, SEPT 7-9, 2008, Consortium for Ocean Leadership

January 2007 Association Science Teacher Educators, Clearwater, FL; 1 paper presentation

February 2007 CORE Regional Spoonbill Competition, St. Petersburg, FL; 12 teams

April 2007 Florida Marine Science Educators Association, Naples, FL; 2 workshop presentations; sponsored travel for 2 CMS graduate students and 3 K-12 Teachers

February 2006 American Society of Limnologists and Oceanographers International Conference, Honolulu, Hawaii (3 paper and 2 posters presentations); sponsored travel for 3 CMS students to attend and present at conference; OS022 The Right Stuff: Graduate and Postgraduate Training for Interdisciplinary Research Careers; *Broadening the Impacts of Graduate Education and Training: Contributions to Ocean Literacy and Communication Across Disciplines.*

March 2006 Florida Academy of Sciences Meeting, Florida GK-12 Symposium; 1 paper presentation and 4 posters; sponsored travel for 1 CMS student; *GK-12 OCEANS Teaching Fellowship Program, Overview and Results*

NSF: GK-12 Annual Meeting, Washington DC, March 2006, poster presentation

General Assembly of the European Geosciences Union (EGU 2006), Vienna, Austria, April 2006, 2 paper presentations; Engaging Ocean Scientists in Education in Support of International Year of the Ocean (Greely, Lodge, Betzer, Hine); Engaging Teenage Girls from Diverse Backgrounds in the Ocean Sciences via the Oceanography Camp for Girls: Barriers, Solutions, and Successes (Lodge, Greely, Betzer)

Florida Marine Science Educators Association, Crystal River, FL, May 2006, provided 10 presentations; sponsored travel for 8 CMS students and 10 K-12 Teachers

National Science Foundation Panel Reviews, Aug 2006, served on NSF panel to review and recommend programs for funding from GK-12 Teaching Fellowship resources.

Florida Association of Science Teachers, Annual Conference, October 12-14, 2006. Presented two 1-hour workshops featuring GK-12 OCEANS teaching modules; sponsored attendance of 2 graduate fellows, 4 science teachers and 2 staff/faculty; Swimming through the Sunshine State Standards with Ocean Science

Elementary Grades, K-5; Swimming through the Sunshine State Standards with Ocean Science High School Grades, 9-12

Geological Society of America, GSA Annual Meeting, October 22-25, 2006. Poster presentation, Gk12 (Graduate-K12) Education: Improving Understanding of Geologic Concepts Through Ocean Literacy And Communication Across Disciplines

OCT 25-28, 2006 SACNAS (Society for Advancement of Chicanos and Native Americans in Science) Annual Conference, paper presentation with Warner Ithier, Building Partnerships in Education: Fellowship Opportunities through NSF GK-12 OCEANS Teaching Fellowship Program

SACNAS (Society for Advancement of Chicanos and Native Americans in Science) Annual Conference, October 26, 2006. Facilitated a Florida KARST Field Trip in partnership with USGS Coastal & Watershed Studies and Southwest Florida Water Management District for 50 college students, 4 K-12 teachers, and 4 science faculty; Full day excursion Geosciences Off-Site Tour--Karst and Hydrogeology in West-Central Florida: Caves, Sinkholes and Springs

American Geophysical Union, Annual Conference, December 11-15, 2006. Sponsored 1 graduate student, Michael Martinez poster presentation, Transition from Land Water Bodies to Oceans

Digital Library for Earth System Education, Jan-July 2005. Co-chair Site Committee, serving on Planning Meeting for 2005 conference, St. Petersburg, FL

American Society of Limnologists and Oceanographers International Conference, Salt Lake City, Feb 2005. Sponsored travel for 5 CMS students to attend and present at conference (4 presentations and 3 posters);

NSF: GK-12 Annual Meeting, Washington DC, March 4-6, 2005. Poster presentation, GK-12 OCEANS Program

National Science Teacher Association Conference, Dallas TX, March 29- April 3, 2005. Provided a 1-hour workshop for 25 participants

Florida Marine Science Educators Association, St. Augustine, FL, April 15-17, 2005. Provided two 1-hour workshops with total 30 participants; sponsored travel for 2 CMS students and 1 K-12 Teacher

NSF: Conference on Teacher Research Experiences (CTRE), U Rhode Island, Narragasset, RI, April 24-27, 2005. Poster presentation, Ocean Immersion Programs for Florida Teachers

Digital Library for Earth System Education, Annual Meeting, July 8-12, 2005. Provided 6 guided field trips for conference participants; Co-site host for 2005 meeting with A. Pyrtle, L. Bryce, H. Hill

National Marine Science Educators Association, Annual Meeting, July 12-17, 2005. Provided a 1-hour workshop & 1 oral presentation; sponsored travel for 1 CMS student and 3 CMS staff/faculty

OCEANS/MTS Meeting, September 18-23, 2005. Provided 2 oral presentations highlighting our E&O programs, Engaging Scientist in Education & Outreach, and Oceanography Camp for Girls—a model for ocean science education.

Ocean Science Education Retreat, OCT 25-28, 2005. CORE Bi-Annual Meeting Graduate Education; provided an invited plenary session featuring GK-12 OCEANS program, oral presentations, and demonstration of GK-12 ocean modules

Florida Association of Science Teachers, Annual Conference, November 4-5, 2005. Presented two 1-hour workshops featuring GK-12 OCEANS teaching modules; sponsored attendance of 5 science teachers and 2 staff/faculty

GK-12 Southeast Regional Conference, Emory U, Atlanta, December 9-11, 2005; sponsored 3 graduate students, 1 teacher, and 2 staff/faculty

American Geophysical Union, Annual Conference, December 5-9, 2005. Presented one oral presentation and sponsored one graduate student poster presentation

Association for Educators of Science Teachers Annual Meeting, January 8-11, 2004. Attendee to obtain current information on science and education trends impacting E&O Programs and Research findings

American Society of Limnology and Oceanography, 2004 Aquatic Science Meeting, February 15-20, 2004. Presentation of research; sponsored travel and abstracts for 2 CMS graduate students

Digital Library for Earth System Education Planning Meeting for 2004 conference, Madison Wisconsin, February 26-27, 2004.

National Science Foundation, GK-12 Annual Meeting for PI's and GK12 Fellow and Teacher Team, March 12-14, 2004. Sponsored travel for 1 PCSB teacher and 1 CMS graduate student

Space Science Institute, Designing Professional Development Workshops, Boulder Colorado, March 18-20, 2004.

National Science Teachers Association (NSTA) Annual Conference, April 1-4, 2004. Presentation of research and provide an E&O workshop featuring activities from, 'Voyage into the Abyss'

Digital Library for Earth System Education (DLESE) Annual Workshop in Madison Wisconsin, August 2004. Vetted resources for GK-12 Program and recommendations for CMS faculty to contribute and access the DLESE resource for graduate teaching and research

Florida Association of Science Teachers, 2004 Annual Conference, October 2004. Presentation of research and provide a workshop demonstrating GK-12 developed inquiry activities

American Geophysical Union Annual Meeting, San Francisco, December 2004. Presentation of educational research, overview of College programs, and 5 presentations by 2004 GK-12 Fellows

Digital Library for Earth System Education Planning Meeting, December 2004. 2005 conference in St. Petersburg, Florida

Third National Conference on Science, Policy and the Environment sponsored by the National Council for Science and the Environment, January 29-31, 2003. Vetted current information on science and education trends impacting policy and the environment

American Society of Limnology and Oceanography, 2003 Aquatic Science Meeting, February 9-13, 2003. Presentation of research

Centers for Ocean Science Education Excellence (COSEE), March 2-4, 2003. Organizational meeting for program investigators

National Science Teachers Association (NSTA), March 26-29, 2003. Presentation of research and provide a workshop titled, 'Voyage into the Abyss: Educational Outreach'

National Science Foundation, GK-12 (FY 2003), April 15-17, 2003. Cohorts meeting of new awardees—budgets and evaluation

Florida Marine Science Educators Association, 2003 Annual Conference, May 1-4, 2003. Presentation of research and provide a workshop

U.S. International Ocean Drilling Program Education Workshop, May 6-7, 2003. Invited participant to advise the development of a 10 year plan for educational initiatives that extend IODP research to a variety of learning communities beyond traditional research settings

Florida Center for Ocean Science Education Excellence (FCOSEE) workshop, May 16-17, 2003. Guest speaker to provide overview of program development and goals to an audience of North Florida stakeholders

TEACHING, TRAINING & MANAGEMENT (not Research)

Non-funded research activities include implementation, management, and supervision of College's Education & Outreach programs and management of the Clam Bayou Marine Education Center.

- 1. Clam Bayou Marine Education Center-** day to day operations of facility including maintenance, programming and revenue stream for self-sustained facility; fulfills University mission for Community Engagement
- 2. In-service Teacher Oceanography Workshop series-**activities include developing curriculum activities and teaching kits, recruitment, space/rooms, catering, production of teaching resources, station set-ups, facilitate workshops, manage budget and report writing
- 3. National Ocean Sciences Bowl-** Regional Spoonbill Bowl Competition and National Competition
Regional Spoonbill Competition include sponsorship, coordination with local partners, recruitment of teams and coaches, recruit 60 local volunteers, space, manage budget, report writing; competition
- 4. Oceanography Camp for Girls-** facilitate science mentor training and manage summer program. Plan and develop educational materials, fundraising activities, public relations liaison between K-12 students and teachers. Write prospectus for corporate foundations and agencies to request program funding for Endowments or operational costs. Conduct OCG Reunions twice annually.
- 5. Grant Writing for Research Grants-** Provide Broader Impact and Criterion II narrative and implementation plans for research proposals submitted by faculty university-wide and outside agencies/partnerships as requested

6. **GLOBE U.S. Florida Partnership**- Oversee partnership opportunities and Facilitate GLOBE training SW Florida region

Supervise staff and graduate students working with E&O programs and collaborate with Co-Coordinator of Education and Outreach Programs.

EDITORIAL

Manuscript Reviews

Manuscript Review for the Journal of Environmental Education

Editorial Review for SAGE Publishing

Washington State Sea Grant

Co-Editor of special edition of *Currents*, The Journal of Marine Educators for GoMRI, final submission December 5, 2018

Journal Environmental Education Research

Cenage Publishing

National (review panels or NSF, NOAA, IPCC, NASA, etc. working groups)

Proposal review panels for NSF IGERT, NSF Geosciences Education, NSF GK-12, NSF Programs for Women and Girls, NSF ISE,

PROFESSIONAL

Sea Grant Site Visit Review Team - Puerto Rico Sea Grant –November 5-9, 2018 with Peter Betzer, Ron Baird, Jim Hurley, Jennifer Moore, and Kelly Samek

LEADERSHIP

Scubanuts International, Executive Board

ARCS Foundation Board Member, President Florida Chapter