Curriculum Vita

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Education

B.S./B.A. Physics/Math, Ohio University, 1968
M.S. Physics, Stevens Institute of Technology, 1972 (completed while in U.S. Coast Guard)
M.A. Geophysical Fluid Dynamics, Princeton University, 1975
Ph.D. Geophysical Fluid Dynamics, Princeton University, 1977

Positions Held

Research Physicist, Naval Ordnance Station, Dept. of the Navy, Indian Head, MD, 1968-1969
Instructor, U.S. Coast Guard (military service: taught electronics and human relations), 1969-1973
Part-time Instructor Math and Physics, New York Institute of Technology, 1972-1973
Research Assistant, Geophysical Fluid Dynamics Laboratory, Princeton University, 1973-1977
Rosenstiel Fellow, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 1977-1978
Professor (Assistant to Full), Department of Geological Sciences, Institute for Marine and Coastal Studies, Hancock Institute for Marine Sciences, University of Southern California (USC), 1978-1996
Co-Director & Co-Founder of USC's Hancock Institute for Marine Sciences (with Patricia Kremer), 1995-1996
Professor, Department of Geography and Interdepartmental Graduate Program in Marine Science, University of California, Santa Barbara, 1996-present
Secretary of the Navy/Chief of Naval Operations Chair in Oceanographic Sciences, 2008-lifetime award

Cumulative List of Publications in Chronological Order.

(R)=Refereed Article, (UR)=Unrefereed Article/Book Chapter, (RB)=Refereed Book Chapter, (PR)=Planning Report, (WR)=Workshop Report, (RR)=Reviewed Report, (DR)=Data Report, (RB)=Reviewed Book. Note that underlined publications on the website: http://www.opl.ucsb.edu/tommy/publications.html are downloadable.

(1) Dickey, T.D., 1978, A note on the effect of zonal boundaries on equatorial waves, J. Geophys. Res., 73, 3675-3678. (R)

(2) Dickey, T.D., and G.L. Mellor, 1979, The Kolmogoroff $r^{2/3}$ law, Phys. Fluids, 22, 1029-1032. (R)

(3) Dickey, T.D., and G.L. Mellor, 1980, Decaying turbulence in neutral and stratified fluids, J. Fluid Mech., 99, 13-31. (R)

(4) Simpson, J.J., and T.D. Dickey, 1981, The relationship between downward irradiance and upper ocean structure, J. Phys. Ocean., 11, 309-323. (R)

(5) Simpson, J.J., and T.D. Dickey, 1981, Alternative parameterizations of downward irradiance and their dynamical significance, J. Phys. Ocean., 11, 876-882. (R)

(6) Pipkin, B.W., D.S. Gorsline, D.J. Bottjer, and T.D. Dickey, 1981, Elements of Oceanography Study Guide, Star Publishing Co., 61 pp. (UR)

(7) Dickey, T.D., and J.J. Simpson, 1983, The sensitivity of upper ocean structure to time varying wind direction, Geophys. Res. Lett., 10, 133-136. (R)

(8) Dickey, T.D., and J.J. Simpson, 1983, The influence of optical water type on the diurnal response of the upper ocean, Tellus, 35, 142-151. (R)

(9) Dickey, T.D., B. Hartman, D. Hammond, and E. Hurst, 1984, A laboratory technique for investigating the relationship between gas transfer and fluid turbulence, Gas Transfer at Water Surfaces, 93-100. (RB)

(10) Dickey, T.D., and J.C. Van Leer, 1984, Observations and simulation of a bottom Ekman layer on a continental shelf, J. Geophys. Res., 89, 1983-1988. (R)

(11) Dickey, T.D., B. Hartman, E. Hurst, and S. Isenogle, 1984, Measurement of fluid flow using streak photography, Amer. J. Physics, 52, 216-219. (R)

(12) Simpson, J.J., C.J. Koblinsky, L.R. Haury, and T.D. Dickey, 1984, An offshore eddy in the California Current System: Preface, Prog. Oceanogr., 13, 1-4. (R)

(13) Simpson, J.J., T.D. Dickey, and C.J. Koblinsky, 1984, An offshore eddy in the California Current System: Part I, Interior dynamics, Prog. Oceanogr., 13, 5-50. (R)

(14) Koblinsky, C.J., J.J. Simpson, and T.D. Dickey, 1984, An offshore eddy in the California Current System: Part II, Surface manifestation, Prog. Oceanogr., 13, 51-69. (R)

(15) Siegel, D.A., and T.D. Dickey, 1986, Variability of net longwave radiation over the eastern North Pacific Ocean, J. Geophys. Res., 91, 7657-7666. (R)

(16) Dickey, T.D., D.A. Siegel, A. Bratkovich, and L. Washburn, 1986, Observations of optical features associated with thermohaline structures, Proc. Ocean Optics VIII, 308-313. (UR)

(17) Dickey, T., E. Hartwig, and J. Marra, 1986, The Biowatt bio-optical and physical moored measurement program, EOS, 67, 650. (UR)

(18) Siegel, D.A., C.R. Booth, and T.D. Dickey, 1986, Effects of sensor characteristics on the inferred vertical structure of the diffuse attenuation coefficient spectrum, Proc. Ocean Optics VIII, 115-124. (UR)

(19) Siegel, D.A., and T.D. Dickey, 1987, Observations of the vertical structure of the diffuse attenuation coefficient spectrum, Deep-Sea Res., 34, 547-563. (R)

(20) Siegel, D.A., and T.D. Dickey, 1987, On the parameterization of irradiance for ocean photoprocesses, J. Geophys. Res., 92, 14,648-14,662. (R)

(21) Dickey, T.D., 1988, Recent advances and future directions in multi-disciplinary *in situ* oceanographic measurement systems, Toward a Theory on Biological-Physical Interactions in the World Ocean, 555-598. (RB)

(22) Siegel, D., B. Jones, T. Dickey, I. Haydock, and A. Bratkovich, 1988, Physical and biological variability near the White's Point ocean outfall, Oceanic Processes in Marine Pollution, 5, 43-48. (RB)

(23) Siegel, D.A., and T.D. Dickey, 1988, Characterization of downwelling spectral irradiance fluctuations, Proc. Ocean Optics IX, 67-74. (UR)

(24) GLOBEC Editorial Committee, 1989, GLOBEC - Global Ecosystem Dynamics, EOS, 70, 82-85. (UR)

(25) Brandsma, M., R. Kolpack, T. Dickey, and B. Balcom, 1989, Simulated behavior of drilling mud discharges off southern California, Oceanic Processes in Marine Pollution, 6, 169-186, (RB)

(26) Rothschild, B.J., T.R. Osborn, T.D. Dickey, and D.M. Farmer, 1989, The physical basis for recruitment variability in fish populations, Journal du Conseil Intern. de l'Explor. de la Mer, 45, 136-145. (R)

(27) Siegel, D.A., T.D. Dickey, L. Washburn, M.K. Hamilton, and B.G. Mitchell, 1989, Optical determination of particulate abundance and production variations in the oligotrophic ocean, Deep-Sea Res., 36, 211-222. (R)

(28) Washburn, L., D.A. Siegel, T.D. Dickey, and M.K. Hamilton, 1989, Isopycnal mixing and the distribution of optical properties across the North Pacific Subtropical Front, Deep-Sea Res., 36, 1607-1620. (R)

(29) Marra, J., R.R. Bidigare, and T.D. Dickey, 1990, Nutrients and mixing, chlorophyll, and phytoplankton growth, Deep-Sea Res., 37, 127-143. (R)

(30) Bidigare, R.R., J. Marra, T.D. Dickey, R. Iturriaga, K.S. Baker, R.C. Smith, and H. Pak, 1990, Evidence for phytoplankton succession and chromatic adaptation in the Sargasso Sea during springtime 1985, Mar. Ecol. Prog. Ser., 60, 113-122. (R)

(31) Siegel, D.A., T.C. Granata, A.F. Michaels, and T.D. Dickey, 1990, Mesoscale eddy diffusion, particle sinking, and the interpretation of sediment trap data, J. Geophys. Res., 95, 5305-5311. (R)

(32) Siegel, D.A., R. Iturriaga, R.R. Bidigare, R.C. Smith, H. Pak, T.D. Dickey, J. Marra, and K.S. Baker, 1990, Meridional variations of the springtime phytoplankton community in the Sargasso Sea, J. Mar. Res., 48, 379-412. (R)

(33) Jones, B., A. Bratkovich, T. Dickey, G. Kleppel, A. Steele, R. Iturriaga, and I. Haydock, 1990, Variability of physical, chemical, and biological parameters in the vicinity of an ocean outfall plume, Stratified Flows, 877-890. (RB)

(34) Dickey, T.D., 1990, Physical-optical-biological scales relevant to recruitment in large marine ecosystems, Large Marine Ecosystems: Patterns, Processes, and Yields, 82-98. (RB)

(35) Alldredge, A.L., T.C. Granata, C.C. Gotshalk, and T.D. Dickey, 1990, The physical strength of marine snow and its implications for particle disaggregation processes in the ocean, Limnol. Oceanogr., 35, 1415-1428. (R)

(36) Hamilton, M., T.C. Granata, T.D. Dickey, J.D. Wiggert, D.A. Siegel, J. Marra, and C. Langdon, 1990, Diel variations of bio-optical properties in the Sargasso Sea, Proc. Ocean Optics X, 214-224. (UR)

(37) Dickey, T., T. Granata, M. Hamilton, J. Wiggert, J. Marra, C. Langdon, and D.A. Siegel, 1990, Time series observations of bio-optical properties in the upper layer of the Sargasso Sea, Proc. Ocean Optics X, 202-213. (UR)

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(39) Marra, J., T. Dickey, and J. Mueller, 1991, Global survey of bio-optical properties, EOS, 72, 577, 581. (UR)

(40) Granata, T.C. and T.D. Dickey, 1991, The fluid mechanics of copepod feeding in a turbulent flow: a theoretical approach, Prog. Oceanogr., 26, 243-261. (R)

(41) Dickey, T., J. Marra, T. Granata, C. Langdon, M. Hamilton, J. Wiggert, D. Siegel, and A. Bratkovich, 1991, Concurrent high resolution bio-optical and physical time series observations in the Sargasso Sea during the spring of 1987, J. Geophys. Res., 96, 8643-8663. (R)

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(43) Stramska, M. and T.D. Dickey, 1992, Short-term variations of the bio-optical properties of the ocean in response to cloud-induced irradiance fluctuations, J. Geophys. Res., 97, 5713-5721. (R)

(44) Marra, J., T. Dickey, W.S. Chamberlin, C. Ho, T. Granata, D.A. Kiefer, C. Langdon, R. Smith, R. Bidigare, and M. Hamilton, 1992, Estimation of seasonal primary production from moored optical sensors in the Sargasso Sea, J. Geophys. Res., 97, 7399-7412. (R)

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(46) Washburn, L., B.H. Jones, A. Bratkovich, T.D. Dickey, and M.-S. Chen, 1992, Mixing, dispersion, and resuspension in the vicinity of an ocean wastewater plume, J. Hydraul. Eng., 118, 38-58. (R)

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(48) Dickey, T.D., R.H. Douglass, D. Manov, and D. Bogucki, 1993, An experiment in duplex communication with a multi-variable moored system in coastal waters, J. Atmos. Ocean. Tech, 10, 637-644. (R)

(49) Granata, T., T. Dickey, M. Estrada, and A. Castellon, 1993, Estimates of local vorticity in mesoscale systems, Mixing in Geophysical Flows, 71-82. (RB)

(50) Stramska, M. and T. Dickey, 1993, Phytoplankton bloom and the vertical thermal structure of the upper ocean, J. Mar. Res., 51, 819-842. (R)

(51) Wiggert, J., T. Dickey, and T. Granata, 1993, The effect of temporal undersampling on primary production estimates, J. Geophys. Res., 99, 3361-3371. (R)

(52) Dickey, T.D., T.C. Granata, and I. Taupier-Letage, 1993, Automated *in situ* observations of upper ocean biogeochemistry, bio-optics, and physics and their potential use for global studies, Proc. of the Ocean Climate Data Workshop, 317-352. (UR)

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(54) Dickey, T. and D. Siegel (Eds.), 1993, U.S. JGOFS Planning Report: Bio-optics in U.S. JGOFS, U.S. JGOFS Planning and Coordination Office, Woods Hole Oceanographic Institution, 180 pp. (PR)

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(56) Dickey, T., D. Manov, R. Weller, and D. Siegel, 1994, Determination of longwave heat flux at the air-sea interface using measurements from buoy platforms, J. Atmos. and Ocean. Tech., 11, 1057-1078. (R)

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(59) Bogucki, D, A. Domaradzki, R. Zaneveld, and T. Dickey, 1994, Light scattering induced by turbulent flow, Proc. Ocean Optics XII, 247-255. (UR)

(60) Plueddemann, A.J., R.A. Weller, M. Stramska, T.D. Dickey, and J. Marra, 1995, The vertical structure of the upper ocean during the Marine Light-Mixed Layer experiment, J. Geophys. Res., 100, 6605-6619. (R)

(61) Stramska, M., T. Dickey, J. Marra, A. Plueddemann, C. Langdon, and R. Weller, 1995, Bio-optical variability associated with phytoplankton dynamics in the North Atlantic, J. Geophys. Res., 100, 6621-6632. (R)

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(63) Roman, M.R., H.G. Dam, A.L. Gauzens, J. Urban-Rich, D.G. Foley, and T.D. Dickey, 1995, Zooplankton variability on the equator at 140o W during the JGOFS EqPac study, Deep-Sea Res. II, 42, 673-693. (R)

(64) Dickey, T. and B.H. Jones, 1996, A decade of interdisciplinary process studies, Proc. Ocean Optics XIII, 254-259. (UR)

(65) Dickey, T., 1996, Emerging technologies in biological, chemical, optical, and physical sampling of the ocean, International Workshop on Biological and Chemical Data Management, Hamburg, Germany. (UR)

(66) Petrenko, A.A., B.H. Jones, T.D. Dickey, and P.J.W. Roberts, 1996, Comparison of near-field dilutions from *in situ* measurements and simulated dilutions at the Sand Island, HI sewage outfall plume, Proc. of the N. Amer. Water and Environ. Cong. (UR)

(67) Rudnick, D.L., R.A. Weller, C.C. Eriksen, T.D. Dickey, J. Marra, and C. Langdon, 1997, Moored instruments weather Arabian Sea monsoons yield data, EOS, 78, 117, 120-121. (UR)

(68) Bogucki, D., T. Dickey, and L. Redekopp, 1997, Sediment resuspension and mixing through resonantly-generated internal solitary waves, J. Phys. Oceanogr., 27, 1181-1196. (R)

(69) Robinson, A.R. and T.D. Dickey (Eds.), 1997, An Advanced Modeling/Observation System (AMOS) for Physical-Biological-Chemical Ecosystem Research and Monitoring, GLOBEC International Special Contributions, No. 2. (PR)

(70) Dickey, T.D., D. Frye, H.W. Jannasch, E. Boyle, and A.H. Knap, 1997, Bermuda sensor system testbed, Sea Technology, April, 81-86. (UR)

(71) Petrenko, A.A., B.H. Jones, T.D. Dickey, M. LeHaitre, and C. Moore, 1997, Effects of a sewage plume on the biology, optical characteristics, and particle size distributions of coastal waters, J. Geophys. Res., 102, 25,061-25,071. (R)

(72) Dickey, T., 1997, Emerging interdisciplinary technologies in biological, chemical, optical, and physical sampling of the oceans, NOAA Technical Report NESDIS 87, 115-124. (UR)

(73) Dickey, T., 1997, Uses of offshore platforms, Role of Offshore Platforms in Environmental and Coastal Research, 50 pp., Nansen Environmental and Remote Sensing Center and the University of Bergen. (UR)

(74) Foley, D.G., T.D. Dickey, M.J. McPhaden, R.R. Bidigare, M.R. Lewis, R.T Barber, S.T. Lindley, C. Garside, D.V. Manov, and J.D. McNeil, 1997, Longwaves and primary production in the central equatorial Pacific at 0, 140o W, Deep-Sea Res. II, 44, 1801-1826. (R)

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(83) Chang, G.C. and T.D. Dickey, 1998, High temporal resolution spectral absorption measurements during the Coastal Mixing and Optics experiment, Proc. Ocean Optics XIV, Kona, Hawaii. (UR)

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(86) Marra, J., T.D. Dickey, C. Ho, C.S. Kinkade, D.E. Sigurdson, R.A. Weller, and R.T. Barber, 1998, Variability in primary production as observed from moored sensors in the central Arabian Sea in 1995, Deep-Sea Res. II, 45, 2253-2267. (R)

(87) Dickey, T., R. Feely, R. Wanninkhof, F. Chavez, N. Bates, R. Byrne, E. Kaltenbacher, and C. Moore, 1999, Report of the Second Ocean-Systems for Chemical, Optical, and Physical Experiments (O-SCOPE) Workshop, Report of the Second Ocean-Systems for Chemical, Optical, and Physical Experiments (O-SCOPE). (WR)

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(104) Dickey, T., 2000, Emerging interdisciplinary technologies and their potential utilization in the Global Ocean Observing System, Oceanology 2000, Brighton, UK, March. (UR)

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(106) T. Dickey, 2000, Interdisciplinary observations from moorings and autonomous underwater vehicles: recent advances and a look toward the future, The Eastern Mediterranean Climatic Transient, Its Origin, Evolution and Impact on the Ecosystem, CIESM Workshop Series, Trieste, Italy, 47-50. (UR)

(107) Gilboy, T.P., T.D. Dickey, D.E. Sigurdson, X. Yu, and D. Manov, 2000, An intercomparison of current measurements using a VMCM, an ADCP, and a recently developed acoustic current meter, J. Atmos. Ocean. Tech., 17, 561-574. (R)

(108) Chang, G., T. Dickey, O. Schofield, and P. Bissett, 2000, High temporal resolution optical and physical time series data: Coastal Mixing and Optics and LEO-15, Proc. Ocean Optics XV, Monte Carlo, Monaco, October. (UR)

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Work in Press

B-1 Zappa, C. J., M. L. Banner, H. Schultz, J. Gemmrich, R. Morison, D. A. LeBel, and T. Dickey (2012), An overview of sea state conditions and air-sea fluxes during RaDyO, *J. Geophys. Res., in press*.

Work Submitted

Work in Progress

D-1 Smeti, H., M. Conte, S. Jiang, and T. Dickey, 2012, Mesoscale eddies enhance zooplankton abundance and carbon export to the deep ocean in the Sargasso Sea of Bermuda, in preparation. (R)

**Over 30 Internal UCSB Ocean Physics Group Reports were also completed since 1996.

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Presentations and Lectures since January 2004 (please see www.opl.ucsb.edu for previous presentations and lectures)

Month/Year	Title/Date	Meeting Place
Jan./2004	"Recent and Future Technologies," ORION (Invited)	San Juan, Puerto Rico
Jan./2004	Co-chair of session on global ocean observing systems American Geophysical Union Ocean Sciences Meeting	Portland, OR
Feb./2004	"The Multi-disciplinary Ocean Sensors for Environmental Analyses (MOSEAN) Program," Dickey, T., A. Hanson, D. Karl, C. Moore, G. Chang, D. Manov, and F. Spada, AGU/ASLO	Honolulu, HI
Feb./2004	"A decade of high temporal resolution interdisciplinary observations using the Bermuda Testbed Mooring," Dickey, T., AGU/ASLO (Invited)	Honolulu, HI
Feb./2004	"Optical characterization of phytoplankton blooms in the Santa Barbara Channel," Chang, G.C., E.E. McPhee-Shaw, and T.D. Dickey, AGU/ASLO	Honolulu, HI
Feb./2004	"E-Flux: Physical Observation Plans," Dickey. T. and OPL	Honolulu, HI
Feb./2004	"MOSEAN CHARM Review and Plans," Dickey, T. and OPL	Honolulu, HI
Feb./2004	"MOSEAN HALE-ALOHA Review and Plans," Dickey, T. and OPL	Honolulu, HI
Feb./2005	"Review of time series technologies,"	Santa Fe, NM

	DEOS/ORION Planning Meeting, Dickey, T, DEOS/ORION Steering Committee Meeting.	
Mar./2004	"Review of interdisciplinary mooring time series for SCCOOS," Dickey, T. , Southern California Coastal Ocean Observing System Workshop	Santa Barbara
Apr./2004	"Discussion of MFSTEP progress in 2003," Dickey, T., Mediterranean Forecast System: Toward Environmental Prediction	Brest, France
Jun./2004	"The International Geosphere-Biosphere Program (IGBP) and biogeochemical measurements as part of GOOS," Dickey, T., Ocean Observing Panel for Climate Steering Committee Meeting	Southampton, UK
Aug./2004	"Review of the MOSEAN program," Dickey, T., National Science Foundation	Arlington, VA
Sep./2004	"Extreme and episodic events in the ocean: recent results and future studies," Dickey, T., Bi-annual Challenger Society Meeting (Keynote Speaker)	Liverpool, UK
Sep./2004	"OceanSITES: Ocean Sustained Interdisciplinary Timeseries Environmental observational System," Dickey, T., Scientific Committee on Ocean Research (SCOR)	Venice, Italy
Oct./2004	"Bio-optical relationships in the Santa Barbara Channel: implications for remote sensing," Chang, G.C., T. Dickey, C. Moore, A. Barnard, R. Zaneveld, A. Hanson, and P. Egli, Ocean Optics XVII	Fremantle, Australia
Dec./2004	"Biological-physical interactions affected by extreme and episodic oceanic events," Dickey, T., American Geophysical Union (Invited)	San Francisco
May/2005	"Towards autonomous biogeochemical and bio-optical measurements," Ocean Observing Panel for Climate (Invited),	Geneva, Switzerland
June/2005	"Interactive modeling and observational approaches for solving interdisciplinary problems," Advances in Marine Ecosystem Modelling Research (AMEMR) Symposium (Invited),	Plymouth, UK
Auust/2005	"Physical observations during E-Flux III" E-Flux Workshop (Invited)	Santa Barbara, CA
Sept./2005	The future growth and use of interdisciplinary ocean observations (Invited talk for WHOI's 75th Anniversary)	Woods Hole, MA
Nov./2005	Overview of Ocean Physics Laboratory plans for the Office of Naval Research (ONR) Radiance and Dynamics in the Ocean (RaDyO) program	Narragansett, RI
Feb./2006	Physical and bio-optical observations of cyclones in the lee of Hawaii during the E-Flux experiments, Dickey et al.	Honolulu, HI

Feb./2006	E-Flux: influences of cyclonic eddy activity on Planktonic food web dynamics and carbon export in the lee of Hawaii, C. Benitez-Nelson et al.	Honolulu
Feb./2006	The SCCOOS shelf to shoreline observatory development Santa Barbara Channel mooring: an ongoingtime series of currents, thermal structure, and optical properties of the water column over the continental shelf, E.E. McPhee-Shaw et al.	Honolulu, HI
Feb./2006	Exploring the World Ocean: a new inquiry-based? tool for teaching 21st century oceanography, S. Chamberlin and T. Dickey	Honolulu, HI
Feb./2006	Physical and bio-opticalobservations of cyclone Noah (E-Flux I) in the lee of Hawaii, V. Kuwahara et al.	Honolulu, HI
Feb./2006	Physical and bio-optical observations of cyclone Opal (E-Flux III) in the lee of Hawaii, F. Nencioli et al.	Honolulu, HI
Feb./2006	Upper ocean response to Hurricane Fabian and Tropical Storm Harvey near Bermuda, W. Black and T. Dickey	Honolulu, HI
Feb./2006	Long-term monitoring of primary nutrient concentrations in the coastal environment, P. Egli et al	Honolulu, HI
Feb./2006	Advection of detrital carbonate sediment to the deep ocean by passage of Hurricane Fabian over Bermuda, J. Weber et al.	Honolulu, HI
Feb./2006	Review of emerging technologies for OceanSITES	Honolulu, HI
Feb./2006	The HALE-ALOHA mooring program: toward cable connection	Honolulu, HI
Apr./2006	"Overview of Ocean Physics Laboratory plans for the Office of Naval Research (ONR) Radiance and Dynamics in the Ocean (RaDyO) program," T. Dickey and G. Chang	La Jolla, CA
Apr. /2006	"Review of the Bermuda Testbed Mooring, HALE-ALOHA Mooring and ORION Programs," Eulerian Observation Workshop, T. Dickey and O. Schofield (Invited)	Monaco
May/2006	"Interdisciplinary Time Series Observational Systems," Ocean Observing Panel for Climate meeting, T.Dickey (Invited)	Tokyo
May 2006	"New Opportunities to observe and predict episodic and extreme events in the ocean," T. Dickey and O. Schofield AGU (Invited Fellows Talk)	Baltimore
Aug./2006	"Overview of MOSEAN program," T. Dickey et al.	Kona, Hawaii
Sept./2006	"The Bermuda Testbed Mooring and HALE-ALOHA Mooring Programs: Innovative Deep-Sea Global Observatories,"T. Dickey, G. Chang, O.	Boston

	Schofield, S. Glenn, D. Karl, D. Peters, J. Kemp, C. Moore, A. Hanson, D. Manov, and F. Spada (Invited)	
Sept./2006	"Physical and bio-optical measurements during the E-Flux program,"F. Nencioli, V. Kuwahara, and T. Dickey (2 presentations)	San Diego
Oct./2006	"The Radiance in a Dynamic Ocean (RaDyO) program," T. Dickey, G. Chang, S. Ackleson, M. Banner, T. Drake, T. Elfouhaily, D. Farmer, J. Gemmrich, G. Kattawar, L. Lenain, M. Lewis, Y. Liu, S. McLean, K. Melville, R. Morison, S. Pegau, H. Schultz, L. Shen, D. Stramski, M. Twardowski, S. Vagle, L. Vincent, K. Voss, H. Wijesekera, D. Yue, R. Zaneveld, and C. Zappa	Montreal
Oct./2006	"Optical closure in a coastal environment," G. Chang, A. Whitmire, A. Barnard, J.R.V. Zaneveld, T. Dickey, and C. Moore	Montreal
Jan./2007	"Interdisciplinary Oceanography: Recent advances using moored-buoy platforms," V. Kuwahara and T. Dickey	Tokyo
Jun./2007	"Physical oceanography of the Santa Barbara Channel," T. Dickey and G. Chang	San Diego
Mar./2007	"Innovations in ocean optics for coastal and open ocean mooring applications," V. Kuwahara, G. Chang, and D. Manov	Aberdeen, Scotland
Mar./2008	"UCSB SIO Pier results," G. Chang and T. Dickey	Orlando, FL
Nov./2008	"Evolution of automated interdisciplinary time series measurements," T. Dickey	San Diego
Jan./2009	"An introduction to the Radiance in a Dynamic Ocean (RaDyO) Program," T. Dickey and M. Lewis	Santa Barbara
Jan./2009	"Overview of climatologies: winds, currents, hydrography and optics for the Hawaiian Islands," T. Dickey	Santa Barbara
Jan./2009	"High resolution time series observations and modeling of radiance, optical properties and physical processes as part of RaDyO," T. Dickey, G. Chang, S. Jiang, D. Manov, F. Nencioli, and F. Spada	Santa Barbara
Mar./2009	"Large environmental vortices: how hurricanes and eddies affect ocean biology and biochemistry," T. Dickey	Fullerton College
Apr./2009	"Progress in multi-disciplinary sensing in the 4-dimensional ocean." T. Dickey	SPIE, Orlando, FL
Aug./2009	"Overview of the Radiance in a Dynamic Ocean (RaDyO) program," preparation for the Hawaii field experiment	RaDyO Workshop/ Honolulu, HI.
Feb./2010	The Inspirational Life of Fridtjof Nansen - 'The	California Lutheran

	Daring Viking', Invited	University Thousand Oaks, CA.
Feb./2010	The Inspirational Life of Fridtjof Nansen - 'The Daring Viking'	UCSB, Santa Barbara.
Feb./2010	The Inspirational Life of Fridtjof Nansen - 'The Daring Viking'	Nordhoff High School/ Ojai, CA.
Feb./2010	"The Radiance in a Dynamic Ocean (RaDyO) Program," ONR Review	Portland, OR.
Feb./2010	"The Radiance in a Dynamic Ocean (RaDyO) Program"	Ocean Sciences Meeting/ Portland, OR.
Feb./2010	"Mesoscale Eddies Enhance Zooplankton Abundance and Carbon Export to the Deep Ocean in the North Western Sargasso Sea," H. Smeti, S. Jiang, M. Conte, T. Dickey	Ocean Sciences Meeting/ Portland, OR.
Feb./2010	**"A Comparison of the Observed and Simulated Upper Ocean Response to** Hurricane Passage in the Subtropical Atlantic Ocean," J. Sirak, K. Park, T. Dickey	Ocean Sciences Meeting/ Portland, OR.
Feb./2010	"A Vector Geometry Based Eddy Detection Algorithm and Its Application to a High-resolution Numerical Model Product and High-frequency Radar Surface Velocities in the Southern California Bight," F. Nencioli, C. Dong, T. Dickey, J. McWilliams, L. Washburn	Ocean Sciences Meeting/ Portland, OR.
Sept./ 2010	"Toward the understanding and prediction of optics near the ocean surface," (Invited)	Ocean Optics XX, Anchorage, AK
Feb./2011	"Roald Amundsen: Pole to Pole Norwegian Explorer"	California Lutheran University

At-sea Experience: Over 150 research cruises have been conducted in study areas including the North Pacific Ocean, North Atlantic Ocean, Mediterranean Sea, Equatorial Pacific Ocean, and Arabian Sea. Only research cruises from September 2003 – September 2009.

Ship	Yr	Agency	Experiment	Location	No.
R/V Weatherbird II	2003	NSF/ONR	Bermuda Testbed Mooring	Bermuda	1
R/V Sproul	2003	NOPP	MOSEAN	SB Channel	1
R/V Sproul	2004	NOPP	MOSEAN	SB Channel	2
R/V Pt. Sur	2004	NOPP	MOSEAN	SB Channel	1
R/V Weatherbird II	2004	NSF/ONR	Bermuda Testbed Mooring	Bermuda	5
R/V Ka'imikai-O-Kanaloa	2004	NOPP	MOSEAN	Hawaii	3
R/V Ka'imikai-O-	2004	NSF	E-Flux	Hawaii	1

Kanaloa					
R/V Wecoma	2005	NSF	E-Flux	Hawaii	2
R/V Sproul	2005	NOPP	MOSEAN	SB Channel	1
R/V Kilo Moana	2005	NOPP	MOSEAN	Hawaii	2
R/V Weatherbird II	2005	NSF/ONR	Bermuda Testbed Mooring	Bermuda	4
R/V Pt. Sur	2005	NOPP	MOSEAN	SB Channel	4
R/V Pt. Sur	2006	NOPP	MOSEAN	SB Channel	3
R/V Sproul	2006	NOPP	MOSEAN	SB Channel	1
R/V Kilo Moana	2006	NOPP	MOSEAN	Hawaii	5
R/V Atlantic Explorer	2006	NSF/ONR	Bermuda Testbed Mooring	Bermuda	2
R/V Kilo Moana	2007	NOPP	MOSEAN	Hawaii	1
R/V Sproul	2007	NOPP	MOSEAN	SB Channel	1
R/V Sproul	2008	NOPP	MOSEAN	SB Channel	1
R/V Kilo Moana	2008	ONR	RaDyO	SB Channel	1
R/P FLIP	2008	ONR	RaDyO	SB Channel	1
R/V Kilo Moana	2009	ONR	RaDyO	Hawaii	1
R/P FLIP	2009	ONR	RaDyO	Hawaii	1

Contracts and Grants [Note: Approximately $21 million have been received in contracts and grants since 1979, with about $15 million of the total received since 1996]

1979-1996:

T. Dickey, A numerical model to assess the dilution and mixing of formation water discharged into the marine environment, Minerals Management Service, July 1979 - December 1979, $12,000.

T. Dickey, A numerical model of the bottom boundary layer and sediment transport on the continental shelf, National Science Foundation, July 1980 -December 1981, $27,000.

T. Dickey, D. Hammond, and J. Kremer, Gas exchange rates at the air-sea interface in coastal waters, National Oceanic and Atmospheric Administration, October 1980 - September 1982, $86,000.

B. Jones and T. Dickey, Physical and chemical oceanography associated with an outfall, Los Angeles County, 1983 – 1984, $13,000.

T. Dickey, Analysis and modeling of data taken during the Optical Dynamics Experiment, Office of Naval Research, 1983 – 1984, $101,000.

T. Dickey and A. Bratkovich, A study of optical and physical variability in the open ocean, Office of Naval Research, 1984 – 1986, $380,000.

B. Jones, A. Bratkovich, and T. Dickey, Physical and chemical oceanographic variability in the region near the Los Angeles County White's Point outfall, National Oceanic and Atmospheric Administration, 1984 – 1986, $130,000.

T. Dickey and B. Pipkin, Oceanographic teaching, IBM grant for innovative teaching using computers, 1984 – 1985, $25,000.

T. Dickey and A. Bratkovich, Physical and bio-optical oceanographic measurements at Scripps Canyon, Office of Naval Research, Oct. 1985 - Sept.1986, $55,000.

T. Dickey, Instrumentation for the Biowatt physical and bio-optical mooring experiments, DoD University Research Initiative Program, July 1986 - June1987, $205,000.
T. Dickey and L. Washburn, Optical and physical variability in the open ocean, Office of Naval Research, January 1987 - December 1988, $163,000.
T. Dickey, An acceleration for: Observations and modeling for the Biowatt program, Office of Naval Research, May 1988 - September 1988, $35,000.
T. Dickey, Observations and modeling for the Biowatt program, Office of Naval Research, Oct. 1986 - Sept. 1989, $650,000.
T. Dickey (with T. Granata), Laboratory studies of turbulence and marine aggregates, Office of Naval Research (under subcontract from UC Santa Barbara), June 1988 - December 1990, $17,000.
T. Dickey, Development and testing of a longwave radiation sensor for deployment from ships and buoys (in conjunction with the NSF sponsored World Ocean Circulation Experiment, WOCE), National Science Foundation, October 1987 - September 1990, $489,000.
T. Dickey, An acceleration for: Observations and modeling for the Biowatt program, Office of Naval Research, October 1988 – September 1990, $240,000.
T. Dickey, An enhancement to contract no. N00014-89-J-1498: An acceleration for 'Observations and modeling for the Biowatt program', ONR, July 1990 - December 1990, $50,173.
T. Dickey, Observations and modeling for the Marine Light in the Mixed Layer (MLML) program, Office of Naval Research, October 1990 - September 1993, $280,000.
T. Dickey, High resolution biogeochemical and physical time series measurements in the equatorial Pacific Ocean, NOAA Climate and Global Change Program, January 1991 - December 1992, $280,000.
T. Dickey, High resolution biogeochemical and physical time series measurements as part of JGOFS, NSF, June 1991 - December 1992, $100,000.
T. Dickey, Temporal evolution of particulate distribution in the vicinity of an ocean outfall as forced by physical and biological processes, NOAA, October 1990 - September 1993, $128,495.
T. Dickey, Biological response associated with mesoscale hydrodynamical structures in the western Mediterranean: Instrumentation development and planning for a major field experiment, NSF, May 1992 - April 1994, $13,350 [A French companion proposal by Dr. Isabelle Taupier-Letage of IFREMER was funded and the work was done in collaboration].
B. Jones and T. Dickey, The bottom boundary layer and sediment re-exposure on the Palos Verdes continental shelf, NOAA, April 1992 - August 1994, $330,177.
T. Dickey, An incremental increase for the project: High resolution biogeochemical and physical time series measurements in the equatorial Pacific Ocean, NOAA climate and Global Change Program, February 1993 - January 1994, $69,516.
T. Dickey (Project Lead-PI), Development of a testbed mooring program for interdisciplinary measurement systems, NSF, July 1993 - June 1996, $200,000.
T. Dickey, J.A. Domaradzki, and R. Zaneveld, Light scattering induced by turbulent flow- a numerical model, Office of Naval Research, Oct. 1993 - Sept. 1995, $65,000.
B. Jones, and T. Dickey, Plume initial dilution and dispersion in Mamala Bay, Hawaii, Mamala Bay Study Commission, Apr. 1994 - Sept. 1995, $310,000.
T. Dickey, A model of coupled biological and physical processes in the equatorial Pacific during the 1991-1992 ENSO event, NASA, Sept. 1993-Aug. 1996, $66,000.

T. Dickey, Optical measurements from moorings in support of SeaWiFS, NASA, April 1994 - March 1997, $480,000.

More Recent Grants and Contracts

Years	Source and Title	Amount	P.I. Status
94-98	ONR, High resolution time series observations of bio-optical/physical variability in the Arabian Sea	$1,010,000	PI
95-00	ONR, Moored time series measurements of the vertical structure of optical properties in the coastal ocean	$527,000	Project Co-Lead-PI
95-98	ONR, AASERT	$86,965	PI
96-97	ONR, DURIP	$219,945	Co-PI
96-97	NSF, A testbed mooring program for interdisc. studies	$535,642	PI
96-98	ONR, AASERT	$31,000	PI
97	UCSB, Instructional improvement grant	$7,985	Co-PI
97-98	NASA, Center of Excellence	$395,480	Co-PI
97-00	NASA, SIMBIOS	$519,574	PI
97-98	NOPP, ONR, Littoral Ocean Observing System (LOOPS)	$180,000	PI
97-98	NASA, Optical measurements from moorings in support of SeaWiFS	$150,000	PI
98-01	NOPP, ONR, Oceanographic-Systems for Chemical, Optical, and Physical Experiments	$1,991,616	Project Lead-PI
98-01	ONR, AASERT	$168,940	PI
98-01	NSF, Bermuda Testbed Mooring	$720,462	PI
99-00	YSI, Tethered buoy system	$64,920	PI
99-01 99-01	ONR BTM Activities NSF, Bermuda Testbed Mooring (BTM): A community resource	$90,710 $181,421	Co-PI Project Lead-PI
99-01	ONR, High resolution time series measurements (HyCODE)	$749,649	PI
99-03	ONR High resolution time series measurements (HyCODE)	$1,028,410	Project Lead-PI
00-01	NSF, Next generation surface buoy	$63,847	PI
00-01	ONR, DURIP HyCODE equipment	$161,731	PI
01-03	UC-MEXUS Suspended sediment concent. and fluxes on tidal flats in the upper Gulf of	$2,500	PI

	California		
01-03	NOPP, ONR Oceanographic-Systems for Chemical, Optical, and Physical Experiments	$149,621	PI
01-06	NSF Bermuda Testbed Mooring	$2,250,000	Project Lead-PI
02-02	WHOI HiLaTS (Japan)	$75,000	PI
02-07	NOPP Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks	$2,500,000	Project Lead-PI
03-04	2nd Institute Oceanography, China, Development of Deep-Sea Sensors	$14, 749	PI
03-04	ONR BTM Activities	$90,710	Co-PI
03-06	Influence of Cyclonic Eddy Activity on Planktonic Foodweb Dynamics and Carbon Export in the Lee of Hawaii	$248,967	PI
04-05	NOAA, SCCOOS: Shelf to Shoreline Observatory Development	$138,770	Co-PI
05-10	ONR, RaDyO	$967,349	Lead-PI
08-10	NSF, Bermuda Testbed Mooring	$150,000	PI
08-12	ONR, Secretary of the Navy / Chief of Naval Operations Chair for Ocean Science	$1200,000	PI

Students, postdocs, and visiting scientists directed by Professor Dickey.

Name	**Degree**	**Year**	**Topic**	**Career Pattern**
Grad. Students				
Michelle Fortin	M.S.	1981	Pollution modeling	Private Industry
Blayne Hartman	Ph.D.	1983	Gas exchange	Private Industry
Stephen Isenogle	M.S.	1985	Gas transfer	Defense Mapping Agency
Alex Steele	M.S.	1986	Coastal physics	Orange County Sanitation District
Benjamin Holt	M.S.	1988	Remote sensing of surface waves	Jet Propulsion Laboratory, Pasadena, Ca
David Siegel	M.S. Ph.D.	1985 1988	Modeling of internal waves	Professor at UC Santa Barbara
Jorge Vazquez-Cuervo	Ph.D.	1991	Gulf Stream variability	Jet Propulsion Laboratory Pasadena, CA
Zhiji Chai-Jochner	M.S.	1991	Mesoscale variability in the Sargasso Sea	Private Industry
Yicun Wu	Ph.D.	1993	Mixing and dispersion	Private Industry

Michael Hamilton	M.S.	1993	Diurnal bio-optical variability	Private Industry
Jerry Wiggert	Ph.D.	1995	Interdisciplinary modeling – Sargasso Sea	Assoc. Professor Univ. of So. Mississippi
Darek Bogucki	Ph.D.	1996	Turbulence and light propagation	Research Professor at Univ. of Miami
David Sigurdson	M.S.	1996	Physical and bio-optics of Arabian Sea	Research Engineer at Raytheon, Santa Barbara
Anne Petrenko	Ph.D.	1997	Physical and bio-optics of coastal outfalls	Professor at University of Marseille, France
Grace Chang	M.S. Ph.D.	1998 2000	Bio-optical variability in coastal ocean	Private Co., Santa Cruz
Tim Gilboy	M.S.	1998	Current meter intercomparative study	Private Industry, NC
Sarah Zedler	M.A.	1999	Modeling of ocean response to hurricanes	Ph.D. Student at Scripps Institution of Oceanography
Will Black	M.S.	2008	Atlantic hurricanes	Private Co., Santa Cruz
Francesco Nencioli	M.S.	2008	Biogeochemistry of Hawaiian eddies	Ph.D. Student at UCSB, OPL
Jennifer Sirak	M.S.	2009	Ocean response to hurricanes	Ph.D. Student at UCSB, OPL
Francesco Nencioli	Ph.D. in prog.	Expected 2010	Biogeochemistry of Hawaiian eddies	Ph.D. Student at UCSB, OPL
Jennifer Sirak	Ph.D. in prog.	2009	Ocean response to hurricanes	Ph.D. Student at UCSB, OPL
Post-docs & Researchers				
Alan Bratkovich	Post-doc	1985	Physical and bio-optical variability	Deceased
Robert Stavn	Vis. Prof.	1986	Marine optics and Raman scattering	Professor at Univ. of North Carolina
Libe Washburn	Res. Assoc.	1988	Physical and bio-optical variability	Professor at UC Santa Barbara
Tim Granata	Post-doc	1991	Mesoscale studies and phys.-biol. interactions	Professor at Ohio State University
Malgorzata Stramska	Post-doc	1994	Bio-optics	Researcher at San Diego State University
Isabelle-Taupier-Letage	Vis. Scien-tist	1992	Physical and bio-optical variability	Scientist at CNRS, Toulon, France, Adj. Prof. Univ. of Marseille

Bao-Shi Shiau	Vis. Prof.	1993	Marine pollution modeling	Professor at National Taiwan University
Joe McNeil	Post-doc	1999	Mesoscale variability	Private industry
Laura Dobeck	Post-doc	2001	Bio-optical varibility	Private Industry
Xuri Yu	Post-doc	2002	AUV data anal. Cape Cod Bay	Private Industry
Grace Chang	Post-doc to Res. Assoc.	2002-2008	Bio-optics of coastal ocean	Research Associate at UC Santa Barbara, OPL
Xiaobing Zheng	Vis. Prof.	2003	Bio-optical variability and Raman scattering	Professor at Inst. of Optics and Fine Mechanics, Hefei, China
Victor Kuwahara	Post-doc	2006	Bio-optical variability	Assistant Professor at Soka University, Tokyo
Houssem Smeti (Co-advised with Maureen Conte, MBL, BIOS)	Post-doc	2008-2009	Zooplankton variability off Bermuda using acoustics	POGO Fellow at BIOS from Tunisia

Graduate Degree Committees (I have served on over 100 committees during my career)

Recent Masters Committees

Student	Yr Deg. Compl.	Chair/ Member	Optional Info (e.g., Current Employment)
T. Konstantinov	June 2005	Member	Student at UCSB
W. Black	June 2008	Chair	Private company in Santa Cruz
F. Nencioli	June 2008	Chair	Student at UCSB
J. Sirak	August 2008	Chair	Student at UCSB
C. Melton	June 2009	Member	Student at UCSB
Fernanda Henderikx-Freitas	In progress	Member	Student at UCSB
Nicholas Dellaripa	In progress	Member	Student at UCSB

Recent PhD Committees

Student	Yr Deg. Compl.	Chair/ Member	Optional Info (e.g., Current Employment)
E. Beckenbach	2004	Member	Post-doc at Scripps Institution of Oceanography
F. Nencioli	2011	Chair	Student at UCSB
T. Konstantinov	2010	Member	Student at UCSB
J. Sirak	In progress	Chair	Student at UCSB
L. Gary	In progress	Member	Student at UCSB

Recent Undergraduates

Student	Yr Deg. Compl.	Chair/ Member	Optional Info (e.g., Current Employment)

Recent Laboratory Personnel Supervised:

Year	Name
1995-2008	Grace Chang (Research Associate)
1996-pres.	Derek Manov (Senior Development Engineer)
1999-2008	Frank Spada (Technician)
2000-present	Songnian Jiang (Analyst)
2005-2007	Qin Zhang (Analyst)
2005-2008	Will Black (Graduate Assistant)
2005-present	Francesco Nencioli (Graduate Assistant)
2007-present	Jennifer Sirak (Graduate Assistant)
2009-present	Raphaella Banholzer (Undergraduate Assistant)

Courses Taught Since 2003

Partial sabbaticals were taken during the Winter Quarters of 2003, 2004, and 2005 in order to write two textbooks; one has been published and other is about ½ completed.

F03	Geog 263 – Physical Oceanography	18
F03	Marsc 595 - Intro. Graduate Seminar	24
W04	Geog 261 – Ocean Optics	4
W04	Geog 264 – Upper Ocean Processes	1
F04	Geog 263 – Physical Oceanography	13
F04	Marsc 595 - Intro. Graduate Seminar	17
W05	Geog 261 – Ocean Optics	4
F05	Geog 263 – Physical Oceanography	14
F05	Marsc 595 – Intro. Graduate Seminar	18
W06	Geog 3a - Ocean and Atmosphere	138
W06	Geog 262 – Upper Ocean Processes	5
F06	Geog 263 – Physical Oceanography	6
F06	Geog 595 - Intro. Graduate Seminar	1
F06	Marsc 595 - Intro. Graduate Seminar	16
F07	Geog3a – Ocean and Atmosphere	153
W07	Geog3a – Ocean and Atmosphere	178
S07	Geog 261 – Ocean Optics	5
W08	Geog3a – Ocean and Atmosphere	200
F08	Geog3a – Ocean and Atmosphere*	173

Professor Dickey has have taught over 10,000 students during his teaching career (U.S. Coast Guard plus college level).

*As a Secretary of the Navy/Chief of Naval Operations Chair in Oceanographic Sciences, Professor Dickey is allowed to teach only one course per year.

Project Leadership Roles

As Project Lead-PI for the programs indicated below, Professor Dickey has been in charge of field experiments, data distribution and informational websites, organized and led project workshops, promoted special sessions at national and international meetings involving project investigators, and often served as an editor of special volumes of

refereed journals. Over 100 scientists, engineers, postdoc, and students have been involved in these projects.

Years	Funding Source and Program Title
1995-2000	ONR, Coastal Mixing and Optics (CMO)
1998-2001	ONR, Oceanographic-Systems for Chemical, Optical, and Physical Experiments (O-SCOPE)
1999-2003	ONR, Hyperspectral Coastal Ocean Dynamics Experiment (HyCODE)
2001-2003	NOPP, ONR Oceanographic-Systems for Chemical, Optical, and Physical Experiments (O-SCOPE)
2001-present	NSF Bermuda Testbed Mooring (BTM)
2003-2008	NOPP Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks (MOSEAN)
2005-present	ONR, Radiance in a Dynamic Ocean (RaDyO)

List of Selected National and International Liaisons and Leadership Roles
(please see website www.opl.ucsb.edu for additional entries and details):
*Co-convener for International OceanSensors08 Meeting sponsored by the international Global Ocean Observing System (GOOS) and Ocean Observing Panel for Climate (OOPC) (http://www2008.io-warnemuende.de/conferences/oceans08/; Warnemuende, Germany)
*NSF Ocean Research Interactive Observatory Networks (ORION) program Science and Technology Committee
*Co-chair of the Scientific Cabled Observatories for Time Series (SCOTS) Committee (for ORION) under NSF and co-convener of SCOTS Workshop (Portsmouth, VA)
*Co-convener of International Workshop on Autonomous Measurements of Biogeochemical Parameters (Honolulu)
*Member of two National Research Council, National Academy of Sciences review panels (panel chair for one of these on 'Colaboratories')
*Councilor (elected office 2 times: 1992; 2007) for The Oceanography Society
*Chair of Review Committee: Southampton Oceanography Centre (now National Oceanography Centre, Southampton, UK)
*Member U.S. JGOFS Steering Committee, Chair of Time-series Oversight
*Committee co-chair and workshop convener on Bio-optics in JGOFS (Boulder, CO)
*Member U.S. GLOBEC Steering Committee, Chair of Technology Committee
*Member International GLOBEC Steering Committee, Chair and Workshop convener of Sampling and Observational Systems Committee
*Member of Steering Committee for Dynamics of Earth and Ocean Systems (DEOS) (under NSF)
*Member of the Steering Committee and Invited Speaker for the Workshop on Real-Time Systems for Observing Coastal Ecosystem Dynamics and Harmful Algal Blooms (HABWATCH) (Villefranche, France)
*Member of the International Ocean Observing Panel for Climate (OOPC) Committee under the Global Ocean Observing System (GOOS)
*Member of the International Time Series Science Team (under GOOS)
*Advisory Committee for the Mediterranean Forecast System: Toward Environmental Predictions (several meetings in Bologna)

*Review committee member for Naval Research Laboratory (Washington, DC and Stennis Space Center, MS), NOSC, Woods Hole Oceanographic Institution, University of Massachusetts, and Monterey Bay Aquarium Research Institute, University of Hawaii

Editorial and Reviewing Activities
*Editor for Reviews of Geophysics
*Guest Editor for Journal of Geophysical Research Special Volume for ONR Coastal Mixing and Optics Program
*Guest Co-editor for Ocean Science Discussions: Ocean Sensors Special Volume (present)
*Associate Editor for Limnology and Oceanography Methods
*Editorial Board for the Journal of Marine Systems (present)
*Guest Co-editor for Limnology and Oceanography Special Volume entitled Scientific Results from Autonomous and Lagrangian Platforms and Sensors

Reviewer for several oceanographic journals including Journal of Geophysical Research, Journal of Atmospheric and Oceanic Technology, Deep-Sea Research, Geophysical Research Letters, Limnology and Oceanography Methods, Journal of Marine Systems, Ocean Science Discussions, among others.

Reviewer for promotion files for Woods Hole Oceanographic Institution, Dalhousie University (Canada), Canadian NSERC IRC Chair.

Lead nominator for American Geophysical Union Fellow Awards received by Robert Bidigare (University of Hawaii, 2008) and David Siegel (UCSB, 2009) and The Oceanography Society's Jerlov Awards received by Ray Smith (UCSB, 2002) and Ron Zaneveld (OSU and WET Labs, 2006).

Memberships and Societies
American Geophysical Union, The Oceanography Society, American Society of Limnology and Oceanography, American Meteorological Society, Great Pyrenees Club of America (see www.opl.ucsb.edu 'Education' and article C-4 above), Sigma Pi (Physics Honorary), Sigma Xi (Science Honorary)

Selected Honors and Awards
Honors
*Named Outstanding Professor by University of California Santa Barbara Residence Hall Association and Office of Residential Life (2009)
*Named Secretary of the Navy/Chief of Naval Operations Chair in Oceanographic Sciences (Fall 2008) [See www.opl.ucsb.edu 'Honors' for a description]
*Elected Fellow of the American Geophysical Union (2006)

Awards for Papers
*Co-author of Journal of Geophysical Research paper, "Satellite evidence of hurricane-induced plankton blooms in the ocean desert," by S. Babin, J.A., Carton, T.D. Dickey, and J.D. Wiggert, which received the Johns Hopkins Applied Physics Laboratory's award for Outstanding Research Paper in the Externally Refereed Publication in 2005.

*Co-author of Journal of Geophysical Research paper, “Coastal ocean optical influences on solar tranmission and radiant heating rate,” by G. Chang and T. Dickey, which was selected as an AGU Journal Highlight Article in 2004.
*Co-author of Nature paper for which Dennis McGillicuddy received ASLO Lindeman Award 2000.

Society Elected Office
*Elected Councilor (At-large member) for The Oceanography Society (1992, 2007)

Major Invited Speaker
*Keynote Speaker for the Challenger Society (Liverpool, UK)
*Keynote Speaker for Oceanology Meeting (Brighton, UK)
*Keynote Speaker for European Conference on Ecological Modeling (Plymouth, UK)
*Keynote Speaker for NATO Symposium on Carbon Cycle (Ankara, Turkey)
*Keynote speaker for ONR Workshop on Bioluminescence (San Diego)
*Invited speaker for University of Miami ONR Site Review
*Invited speaker for national and international conferences (countries have included China, Japan, France, UK, Netherlands, Monaco, Switzerland, Germany, Spain, Italy, Turkey, South Africa, Ukraine, Wales, Bermuda)