

ROY A. WATLINGTON

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Education

A.B. (physics) Hunter College, City University of New York, 1962

M.A. (science education) Fisk University, 1965

M.S. (physics) Howard University, 1972

Doctoral candidate (physical oceanography), Rosenstiel School of Marine and Atmospheric Science, University of Miami

Experience

Professor of Physics and Co-PI in VI-EPSCoR (Virgin Islands Experimental Program to Stimulate Competitive Research), August 2003- present.

Professor of Physics and VI-EPSCoR Coordinator, July 2002 –August 2003.

Chancellor of the St. Thomas Campus and Professor, University of the Virgin Islands, October 2000 – June 30, 2002. (Interim Chancellor 1999-2000).

Acting Vice President for Academic Affairs and Professor, July-October, 1999.

Director of the General Education Reform Project and Professor, University of the Virgin Islands, October 1997 – October 1999.

Principal Investigator, Anegada Climate Tracers Study and Professor, 1996-present.

Acting Director, Associate Director, Eastern Caribbean Center, and Professor, University of the Virgin Islands, August 1994 –September 1997.

Associate, Island Resources Foundation, working on Post-Hurricane Hugo Recovery Project (1990) and on Areas of Particular Concern (1991).

Associate Professor and then Professor (1987) of Physics, College/University of the Virgin Islands, August 1982-present.

Associate Professor, University of the District of Columbia, Washington, 1977 – 1982.

Associate Professor, Washington Technical Institute, Washington, D.C. 1969-1977.

Technical positions with the Boeing Company, Curtiss-Wright Electronics, NASA Manned Spaceflight Center, and high school teaching, 1962-69.

Professional Activities

Member of the charter group for the Regional Association for an ocean observing system in the US-Caribbean Exclusive Economic Zone (CaRA)

Member of the “Group of Tsunami Experts” of the Intergovernmental Oceanographic Commission for the Caribbean and Adjacent Regions (IOCARIBE)

Reviewer of NSF proposals for Field Stations and Marine Laboratories (3 years)

Peer reviewer of a pre-proposal submitted to the Keck Foundation

Presenter of Seminars on Earthquakes and Tsunamis for VITEMA (See below).

Discussant on science education and general education reform

Memberships in the American Geophysical Union, Council for Administration of General & Liberal Studies, the Caribbean Studies Association, and the Environmental Association of St. Thomas/St. John.

Publications

Watlington, Roy A. (2004, in press) An 1867-class tsunami: potential impacts in the United States Virgin Islands. In *Proceedings of the NSF Caribbean Tsunami Workshop*, San Juan, Puerto Rico, March 30-31, 2004.

Watlington, Roy, W.D. Wilson, W.E. Johns, and C. Nelson (2003) Updated bathymetric survey of Kick-'em-Jenny submarine volcano. *Marine Geophysical Researches*, 23, 271-276.

Watlington, Roy A. (2001) On-line: Thermal Impact on Water Systems. Chapter in *Encyclopedia of Life Support Systems*, Volume II, <http://www.eolss.net/>

MacCready, Parker, W. E. Johns, C. G. Rooth, D. Fratantoni and R. Watlington (1999) Overflow into the deep Caribbean: Effects of plume variability. *Journal of Geophysical Research*, 104, No. C11, 25, 913-25, 935.

Watlington, Roy A., 1998, Hydrographic, meteorological and oceanographic interests of the US Virgin Islands, in *Proceedings – Conference/Workshop on the Caribbean Countries and the Inter-American Institute for Global Change Research (IAI)*, F. Gilbes and J.I. Vélez-Arocho, eds., University of Puerto Rico, 55-67.

Watlington, Roy A., and S.H. Lincoln (1997) *Disaster and Disruption in 1867: Hurricane, Earthquake and Tsunami in the Danish West Indies*. Eastern Caribbean Center, St. Thomas, 134 pp.

Watlington, Roy A., and M.C. Donoso (1995) Oceanic features influencing small island circulation patterns: case studies. In *Small Island Oceanography*, George A. Maul, ed., American Geophysical Union, 467 pp.

MacCready, Parker and R.A. Watlington (1993) *Hydrographic Data from R.V. Columbus Iselin Cruises 9101 & 9203*, RSMAS technical Report 93-003, University of Miami, 191pp.

Watlington, Roy A. (1989) Interdependence through geophysical fluids: Saharan haze and other oceanic and atmospheric phenomena. *Environmental Education special issue of Caribbean Journal of Education*, 16 (1,2) J. Glasgow, ed., 46-62.

Watlington, Roy A. (1989) *Laboratory and Field Exercises for Physical Science*, University of the Virgin Islands, St. Thomas, Virgin Islands, 181 pp.

Brown, David R., H.L. Pacquette and R.A. Watlington (1988) Airborne lead on St. Thomas, U.S. Virgin Islands, *Atmospheric Environment*, 22 (2), 429-430.

Recent Professional and Public Interest Presentations

January -July, 2005 – Twelve Power Point presentations on tsunami hazards to the Virgin Islands region presented to offices of the V.I. Territorial Emergency Management Agency, Rotary Clubs, student groups, etc. *E.g.*, To the Inter-VI Council of the BVI and USVI, *Towards a Tsunami Warning System for Protecting the Virgin Islands*, July 13, 2005.

June 8, 2004 - *Organizing Efforts in the Virgin Islands for Joining a Regional Association (for an Ocean Observing System*, First Informational Meeting [for a Regional Association], La Pargurea, Puerto Rico.

May 4, 2004 – *Applied Numerical Modeling, Part 1: Building a deep ocean plume model with matrices and finite difference equations*, UVI Mathematics Seminar.

March 30, 2004 - *An 1867-class Tsunami: Potential Devastation in the US Virgin Islands*, NSF Caribbean Tsunami Conference, University of Puerto Rico, San Juan, P.R.

February 6, 2004 - *Partnering for Sustainable Development: How Could a Forum for Environmental Cooperation Help?* Conference on the Caribbean, Bureau of Intelligence and Research, U.S. Department of State, Rosslyn, VA.

February 4, 2004 - *Research Activities at the University of the Virgin Islands*, IOCARIBE [Ocean] Modeling Workshop, sponsored by NOAA at the University of the Virgin Islands.