

Woods Hole Joint Program in Oceanography and Engineering, Chemical Oceanography
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Emilie F. Slaby

Graduate Student Council Involvement:

Editor-in-Chief, MIT Graduate Student News (2004-2005)

Published 9 editions (through May, 2005) on themes including Commencement, the Career Fair, Advising, MIT's 16th President, and Massachusetts Avenue Reconstruction

Dramatically changed aesthetics of the GSN away from a daily newspaper layout towards a monthly magazine format: enlarged photo sizes, changed fonts and headline orientations

Initiated three new columns: performance/sports, event short-lists, and off-campus neighborhoods

Focused on activities by graduate students within and beyond the Graduate Student Council, links between graduate students and the Administration, and Institute-wide issues

Student Advisory Board to MIT's 16th President (2004-2005)

Provided a graduate student perspective to President Hockfield on matters of academics, student life, and MIT's placement in the world. Additionally helped convey graduate student opinions of the vision of the future of the MIT student experience. Contributed to writing the online document which served as a tangible introduction to the Institute.

Student Advisory Group to the Corporation Committee on the Presidency (2004)

Provided a graduate student perspective to the MIT Corporation on matters of the challenges facing MIT in the next decade, the desired qualities and life experiences of the next MIT President, and a set of candidate nominations. Contributed to writing the final report submitted to the MIT Corporation on March 7, 2003.

Campus Dining Advisory Board 2004-2005

Helped devise and administer a graduate student survey to provide information on preferred times, locations, and types of dining services. Results of this survey laid the groundwork for Anna's Tacqueria to replace Arrow Street Crepes in February, 2005. Provided a graduate student perspective on dining services and the pubs on MIT's campus.

WHOI Representative 2003-2005

Helped arrange a number of student socials in Woods Hole to encourage intermixing of commuting and residential students. Socials included coffee hours, lunches, and Friday peer hours. Submitted a written report to President Hockfield on the status of the Joint Program from a student perspective; report was timely after the external review committee submitted their report to WHOI.

Work experience:

Consulting for HydroAnalysis, 6/2003-10/2003

Field investigation of vertical conductivity in stream sediments; novel techniques to examine rate of water exchange between municipal supply well field and adjacent polluted stream.

Hydrology Fieldwork Coordinator, January, 2003

Supervised graduate students from Environmental Engineering Masters program, MIT. Twenty-one day field study of groundwater discharge into salt ponds and coastal ocean on St. John, USVI.

Teaching Assistant, Fall 2002

Fate and Transport of Chemicals in the Environment

Professor Harold Hemond, instructor, MIT

Course teaches an overview of the mechanisms and rates pollutants can travel through air, surface water, and ground water. Responsibilities included leading weekly recitations, holding individual tutorials five hours per week, developing exam questions, grading all exams and homework, giving occasional lectures.

Marine Biology Research Assistant, January 2000

University of Copenhagen, Copenhagen, Denmark

United Nations culture site for harmful algal blooms

Jacob Larsen, Assistant Director

Responsibilities included Transmission Electron Microscopy analysis of *Alexandrium* sp. from Vietnam and culturing strains at winter and summer temperatures.

Water Quality Volunteer, Fall 1999 - Spring 2000

New England Aquarium, Boston, MA

Responsibilities included weekly sampling of all aquarium tanks and analysis including coliform counts, nitrate levels, and dissolved oxygen levels.

Marine Biology Exchange Student, Fall 1998 – Winter 1998

Denmark International Study Program, University of Copenhagen, Denmark

Experiences included field sampling of the fall phytoplankton bloom at Tvarminne Zoological Research Institute in Finland and classes in Marine Biology and Ecology at Roskilde University, Denmark.

Teaching Assistant, Summer 1997

“Modern Chemistry I,” CMU Precollege Program

Responsibilities included leading recitations twice a week, giving individual tutorials, leading review sessions, and grading all exams and homework.

Dean’s Advisory Council, Fall 1997 – May 1999

Mellon College of Science, CMU; Dr. Eric Grotzinger, Associate Dean

Responsibilities included acting as liaison between chemistry students and science college faculty, keeping recycling efforts current, and organizing an environmental careers symposium.

Mathematics Instructor, January 1997-May 1999

Princeton Review, Pittsburgh, PA

Education:

MS, Science Writing, MIT Graduate Program in Science Writing

Expected graduation: June, 2006

PhD, Chemical Oceanography and Environmental Engineering, Joint Program between Woods Hole Oceanographic Institution and Massachusetts Institute of Technology

Thesis work: Biogeochemistry of a Saltwater Circulation Cell in Coastal Sediments

Expected graduation: June, 2005

BA, Creative Writing, Carnegie Mellon University, 1999; graduated with University Honors
BS, Chemistry, Carnegie Mellon University, 1999