

VITAE

William G. Ambrose, Jr.

Present Position: Associate Professor

Address: Biology Department
Bates College
Lewiston, Maine 04240
207-786-6114
wambrose@abacus.bates.edu
<http://www.bates.edu/~wambrose/>

Personal: Born: October 16, 1954 U.S.A.
Marital Status: Married to Kirsti A. Sandøy
Child: Emma Ea Ambrose (born 7/90)
Languages spoken: English, Norwegian

Education:

1973 The Pingry School, Elizabeth, New Jersey

1977 Princeton University, A.B. in Biology

1982 University of North Carolina at Chapel Hill, Ph.D. in Marine Sciences

Professional Experience:

2000-2001 Fulbright Fellow, Department of Marine Biology and Chemistry, University of Oslo

2000- present Associate Professor, Department of Biology, Bates College

1994-1999 Assistant Professor, Department of Biology, Bates College

1990-1994 Assistant Professor, Department of Biology and Assistant Scientist, Institute for Coastal and Marine Resources, East Carolina University

1988-1990 Visiting Assistant Professor, Department of Biology and Assistant Scientist Institute for Coastal and Marine Resources, East Carolina University

1986-1988 Assistant Professor, Maritime Studies Program, Williams College

1986 (Spring Semester) Visiting Assistant Professor North Carolina at Chapel Hill and Research Associate, University of North Carolina at Chapel Hill Institute of Marine Sciences

Professional Experience: (Cont'd.)

- | | |
|-----------|---|
| 1984-1986 | Royal Norwegian Council for Scientific and Industrial Research
Postdoctoral Fellow, University of Oslo, Oslo, Norway |
| 1982-1983 | National Research Council, Postdoctoral Fellow Environmental Protection
Agency, Newport, Oregon |
| 1977-1982 | Research Assistant/Teaching Assistant, University of North Carolina at
Chapel Hill and Institute of Marine Sciences |

Teaching Experience:

- | | |
|--------------|---|
| 1981 | Teaching Assistant: Coastal Community Ecology, University of North
Carolina at Chapel Hill and Institute of Marine Sciences, Morehead
City, North Carolina |
| 1984 | Teacher: Experimental Design and Statistical Analysis in Studies Involving
the Scanning Electron Microscope and X-ray Microanalyser, University of
Oslo, Norway |
| 1986 | Co-teacher (with C.H. Peterson): Marine Ecology, University of North
Carolina at Chapel Hill |
| 1986-1988 | Teacher: Oceanography, Marine Ecology, and associated laboratories,
Williams College |
| 1987 | Guest Lecturer: Arctic Ecology, National Trust for Historic Preservation
Northern Voyage of Rediscovery |
| 1988 | (Winter Study Program) Teacher: The Arctic World, Williams College |
| 1988 | (Summer Session) Lecturer: Marine Ecology, Marine Biological Laboratory,
Woods Hole, MA |
| 1988-1994 | Teacher: Environmental Biology, Population and Community Ecology,
Marine Community Ecology, Marine Biology, East Carolina University |
| 1994-present | Teacher: Marine Ecology, Oceanography, Ecology, Invertebrate Zoology,
Experimental Marine Ecology, Seminar in Marine Biology, Bates College |

Honors and Awards:

1973	The Pingry School and Princeton University Scholarship
1988	Magna cum laude; Princeton University
1997	Nominee, Kroepsch Award for Excellence in Teaching at Bates College
1998	Nominee, Kroepsch Award for Excellence in Teaching at Bates College

Fellowships:

1980	R.J. Reynolds Research Fellowship
1983	National Research Council Postdoctoral Fellowship
1984	Royal Norwegian Council for Scientific and Industrial Research Fellowship
2000-2001	Fulbright Fellowship, University of Oslo, Oslo Norway

Research Grants:

1979	University of North Carolina, graduate student research grant (\$2,000)
1980-1982	National Science Foundation Doctoral Dissertation Research Grant: "The importance of predaceous polychaetes in organizing marine soft-bottom communities" OCE 79-19916 (\$8,800)
1984-1985	Norwegian Polar Institute Research Grant: "The distribution and abundance of infauna at Ny-Ålesund, Longyearbyen, and Agardh, Svalbard (Spitzbergen)" (Co-P.I. \$25,000)
1987-1988	American Museum of Natural History Lerner-Gray Fund for Marine Research: "Field investigation of emergence behavior of demersal zooplankton" (\$620)
1988-1989	University of North Carolina Marine Science Coordinating Committee for Marine Programs: "Emergence behavior of demersal zooplankton" (\$3,600)
1988-1990	University of North Carolina Sea Grant: "Feasibility test to replenish bay scallop populations and initiate bay scallop aquaculture" (\$12,097)

Research Grants: (Cont'd)

- | | |
|-----------|--|
| 1989-1994 | Texasgulf Inc.: "Fish and invertebrate utilization of man-made wetlands, and nursery area assessment of Long, Short, and Bond Creeks, Beaufort County, N.C." (Co-P.I. \$747,942) |
| 1989-1990 | Pamlico River Task Force: "Environmental quality survey of Kennedy Creek and adjacent portions of the lower Tar and upper Pamlico Rivers: Effects of pollutants on benthic organisms" (\$9,482) |
| 1990 | Eisenhower Mathematics and Science Program for Higher Education: "Environmental quality in the coastal plain: A focus on ecology where rivers meet the sea" (Co-P.I. \$19,948) |
| 1989-1990 | University of North Carolina Coordinating Committee for Marine Programs: "Effect of attachment location on growth and survival of juvenile bay scallops, <i>Argopecten irradians</i> " (\$4,000) |
| 1990 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Structure of soft-bottom communities associated with hard-substrate habitats in the south Atlantic bight" (\$3,200 plus ship time) |
| 1990-1993 | National Oceanic and Atmospheric Administration: "Accelerating and evaluating the development of restored and created seagrass ecosystems" (\$83,795) |
| 1991-1992 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Structure of soft-bottom communities associated with hard-substrate habitats in the south Atlantic bight" (\$15,000 plus ship time) |
| 1991-1992 | Environmental Protection Agency, Albermarle Pamlico Estuarine Study: "Effects of trawling on benthic communities and non-target species" (\$4,070) |
| 1991-1994 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Evolution of hard bottom morphotypes: Onslow Bay, North Carolina Continental Shelf" (Co-P.I. \$335,686) |
| 1991-1996 | National Science Foundation, Division of Polar Programs: "Collaborative research on the Northeast Water Polynya: benthic community structure and reproductive patterns of benthic organisms" DPP 9113756 (\$254,311) |

Research Grants: (Cont'd)

- | | |
|-----------|---|
| 1992-1993 | Cooperative Institute for Fisheries Oceanography: "Role of nutrient rich submarine ground water discharge upon hardbottom habitats and reef fish recruitment: Onslow Bay, North Carolina (Co-P.I. \$20,925) |
| 1992-1994 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Trophic linkages between soft-bottom and hard-bottom communities in Onslow Bay, North Carolina (Co-P.I. \$39,794) |
| 1992-1995 | National Oceanic and Atmospheric Administration Sea Grant Program "Structure and function of continental shelf hardbottom fisheries habitat" R/CZS-27 (Co-P.I. \$161,616) |
| 1993-1994 | National Science Foundation, Division of Polar Programs: "Isotopic analysis of food chain structure in the Northeast Water Polynya" (Supplement to DPP 9113756, \$8,428) |
| 1994-1997 | National Science Foundation, Division of Polar Programs: "Role of biomass, bioturbation, and remineralization in determining the fate of carbon in the Arctic Ocean" OPP-9400092 (\$156,597) |
| 1995 | Norwegian Marshall Fund: "Predation on juvenile sea urchins by hapteric fauna" (NKR 32,000; \$5,200) |
| 1995 | Duke University- University of North Carolina Oceanographic Consortium: "Carbon cycling near the Charleston bump: relative importance of benthic macrofauna and sedimentary microbes" (\$40,115) |
| 1995 | Howard Hughes Student and Faculty Research Grant "Carbon cycling near the Charleston bump: relative importance of benthic macrofauna and sedimentary microbes" (\$9,300) |
| 1995 | The American Scandinavian Foundation: "Predation on juvenile sea urchins by hapteric fauna" (\$2,000) |
| 1995 | National Science Foundation, Division of Polar Programs: "Arctic Ocean Section Sediment Workshop" (Supplement to OPP-9400092, \$8,350) |

Research Grants: (Cont'd)

- | | |
|------|---|
| 1996 | National Science Foundation, Division of Polar Programs: "Remineralization rates and benthic communities in the Arctic Ocean: spring conditions" (supplement to OPP-9400092, \$4,900) |
| 1996 | NATO, Scientific Affairs Division: "NATO Advanced Research Workshop: Biogeochemical cycling in marine sediments" (\$28,220) |
| 1997 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Spatial patterns and benthic remineralization of ice algal communities in the Chukchi Sea" (P.I. \$5,740) |
| 1997 | Howard Hughes Student and Faculty Research Grant "Spatial patterns and benthic remineralization of ice algal communities in the Chukchi Sea" (\$14,500) |
| 1998 | National Oceanic and Atmospheric Administration National Undersea Research Program: "Benthic response to early-season deposition of ice algae in the Chukchi Sea" (\$62,802, plus \$20,000 in system support) |

Professional Societies:

Arctic Institute of North America
British Ecological Society
Ecological Society of American
Sigma Xi

Professional Responsibilities:

Member Stonington Connecticut Shellfisheries Commission 1986-1988

Duke - North Carolina Oceanographic Consortium Program Advisory Committee
1990-1994

American Scandinavian Foundation Fellowship Committee 1997-2000

Conferences Organized: Arctic Ocean Section Sediment Work Shop (Halifax, Canada 1996); 25th Annual Benthic Ecology Meeting (Portland, Maine, 1997), NATO Advanced Research Work Shop (Hell, Poland, 1997)

Professional Responsibilities: (Cont'd)

Proposal reviewer for National Science Foundation Biological Oceanography and Division of Polar Programs, National Sea Grant Program, National Oceanographic and Atmospheric Administration, Connecticut Department of Environment, and Smithsonian Institute

Review panel: National Undersea Research Program, Middle Atlantic Bight Center 1994, 1995; West Coast and Alaska Center 1999

Manuscript reviewer for *American Zoologist*, *Annals Zoologica Fennici*, *Ecology*, *Estuarine*, *Coastal and Shelf Science*, *Deep Sea Research*, *Journal of Experimental Marine Biology and Ecology*, *Journal of the Marine Biological Association of the United Kingdom*, *Journal of Marine Systems*, *Journal of Shellfisheries Association*, *Marine Biology*, *Marine Ecology Progress Series*, *Oecologia*, *Oikos*, *Ophelia*, *Polar Biology*, *Sarsia*

Papers Presented:

- 1977 Benthic Ecology Meetings (New Haven, Connecticut)
- 1980 New England Estuarine Research Federation Meetings (Southport, Maine)
- 1983 European Marine Biological Symposium (Plymouth, England)
- 1985 European Marine Biological Symposium (Hirtshals, Denmark)
- 1987 Benthic Ecology Meetings, Session Chairman (Raleigh, North Carolina)
- 1989 Benthic Ecology Meetings (Solomons, Maryland)
- 1989 7th International Pectinid Workshop (Portland, Maine)
- 1989 European Marine Biological Symposium (Oban, Scotland)
- 1990 Benthic Ecology Meetings, Session Chairman (Mobil, Alabama)
- 1990 National Shellfisheries Association Annual Meeting (Williamsburg, Virginia)
- 1990 European Marine Biological Symposium (Ferrara, Italy)
- 1992 Benthic Ecology Meetings, Session Chairman (Newport, Rhode Island)

Papers Presented: (Cont'd)

- 1993 Benthic Ecology Meetings (Mobile, Alabama)
- 1993 The Oceanographic Society (Seattle, Washington)
- 1993 American Society of Limnology and Oceanography (Alberta, Canada)
- 1994 Benthic Ecology Meetings (Mystic, Connecticut)
- 1994 European Marine Biological Symposium (Vienna, Austria)
- 1995 Northeast Water Polynya Symposium , Session Chairman (Helsingør, Denmark)
- 1995 Society of Sedimentary Geology (St. Petersburg, Florida)
- 1996 American Geophysical Union (San Diego, California)
- 1996 Benthic Ecology Meetings (Columbia, South Carolina)
- 1997 Benthic Ecology Meetings (Portland, Maine)
- 1998 Benthic Ecology Meetings (Melbourne, Florida)
- 1999 Benthic Ecology Meetings (Baton Rouge, Louisiana)
- 1999 American Society of Limnologists and Oceanographers (Sante Fe, New Mexico)
- 2000 Benthic Ecology Meetings (Wilmington, North Carolina)

Invited Seminars:

- 1982 Department of Biology, Williams College
- 1982 Bigelow Laboratory for Ocean Sciences
- 1983 Department of Oceanography, Oregon State University
- 1984 Department of Zoology, University of Stockholm
- 1985 Department of Marine Zoology and Marine Chemistry, University of Oslo

Invited Seminars: (Cont'd)

- 1986 Department of Biology, Williams College
- 1986 Department of Zoology, University of Texas at Austin
- 1986 Biology Department, Rider College
- 1987 Marine Science Institute, Northeastern University
- 1987 Marine Sciences Department, University of Connecticut at Storrs
- 1988 Department of Biology, East Carolina University
- 1989 Department of Agriculture and Fisheries of Scotland
- 1990 North Carolina Shellfish Culture Conference
- 1990 American Society of Zoologists: "New perspectives in soft-sediment ecology"
- 1991 Department of Marine, Earth, and Atmospheric Sciences, North Carolina State University
- 1992 Department of Biological Sciences, University of North Carolina at Wilmington
- 1992 Symposium on Norwegian and Greenland Seas: Institute for Polar Ecology, University of Kiel, Key-note address
- 1993 Department of Marine Zoology and Marine Chemistry, University of Oslo
- 1994 Department of Biology, Bates College
- 1994 Southeastern Coastal Ocean Research Meeting, Key-note address
- 1996 Maine Department of Marine Resources
- 1997 Department of Biology, Colby College
- 1997 Department of Oceanography, University of Maine at Orono
- 1998 School of Oceanography, Maine Maritime Academy

William G. Ambrose, Jr.
Page

Publications: [LINK HERE](#)