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1. Education and Training:

B.S. 1978, Biochemistry *cum laude*, UMass-Amherst;

M.Sc. 1981, Marine Sciences, U North Carolina-Chapel Hill;

Ph.D. 1 May 1984, Marine Sciences, U North Carolina-Chapel Hill;

National Research Council Postdoctoral Researcher, 1984-1986, NASA Langley Res.Cen., Hampton, VA, USA.

2. Research and Professional Experience:

October 2003 – 2020: **Professor of Biogeochemistry, Director Geochemistry Program, Department of Geological Sciences, Stockholm University, Stockholm, Sweden.** Trace gas biogeochemistry.

2007-2012: Deputy Head of Department, Dept of Geological Sciences, Stockholm University

2003-2007: Affiliate Professor of Earth Sciences, Univ of New Hampshire, Durham, NH

2001-2003: Research Professor, University of New Hampshire, Durham, NH,

2000-2003: Director of the Complex Systems Research Center

1997-2000: Associate Director of the Complex Systems Research Center

1992-2001: Res. Associate Professor, Complex Systems Res. Cen., EOS, U New Hampshire, Durham, NH.

1988-1992: Res. Assistant Professor, Complex Systems Res. Cen., EOS, U. New Hampshire, Durham, NH.

1987-1988: Research Scientist, Dept of Chemistry, College of William and Mary, Williamsburg, VA.

1986-1987: Senior Scientist, Bionetics Corporation, NASA Langley Research Center, Hampton, VA.

1984-1986: National Research Council Resident Research Assoc, NASA Langley Res Cen, Hampton, VA.

With Dr. R.C. Harriss.

1981-1984: Ph.D. studies, Univ. North Carolina, Chapel Hill, NC, Dr. C.S. Martens, director.

1980-1984: NASA Graduate Researcher, Univ. North Carolina, Chapel Hill, NC.

1978-1981: M.S. Marine Sciences, Univ. of North Carolina, Chapel Hill, NC, Dr. C.S. Martens, director.

1978-1980: Research assistant, Univ. North Carolina Institute of Marine Sciences, Morehead City (summer) and Curriculum in Marine Sciences, Chapel Hill, NC.

1977-1978: Research Assistant, Biochemistry Department University of MA.

1975-1978: B.S. Biochemistry *cum laude*, *Phi Beta Kappa*, University of Massachusetts Amherst, MA

1972: Marine Science Technician "A" School, U.S. Coast Guard, Governor's Island, NY

1971-1975: Marine science technician, U.S.Coast Guard, Boston, MA. Viet Nam Era Veteran