# Robert C. Beardsley

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**Education:** B.S., Massachusetts Institute of Technology, 1964 (Nuclear Physics); Ph.D., Massachusetts Institute of Technology, 1968 (Physical Oceanography).

**Positions:** Scientist Emeritus, 2004 to present; Senior Scientist, 1981-2004; Awarded Walter A. and Hope Noyes Smith Chair for Excellence in Coastal Research, 1996–2001; Director, Coastal Research Center, 1992–1995; Chairman, Department of Physical Oceanography, 1985–1990; Tenure Awarded, 1979; Associate Scientist, 1975–1981; Student Fellow, Geophysical Fluid Dynamics Summer Program, 1966; Woods Hole Oceanographic Institution. Lecturer, 1975–1977, Department of Meteorology; Associate Professor of Oceanography, 1972–1975; Assistant Professor of Oceanography, 1967–1972; Massachusetts Institute of Technology. Adjunct Professor, Department of Fisheries Oceanography, School of Marine Science and Technology, U. Mass.-Dartmouth, 2006 – present.

**Research Interests**: Observational and numerical model studies of wind-, tidal-, and buoyancy-driven currents, mixing, and air-sea forcing on the continental shelf and marginal seas. Impact of physical processes on biological processes and ecosystem dynamics.

**Refereed Publications**

Beardsley, R. C., 1969. A laboratory model of the wind-driven ocean circulation. *Journal of Fluid Mech*-*anics*, **38**(2), 255–271.

Beardsley, R. C., 1970. An experimental study of inertial waves in a closed cone. *Studies in Applied Mathematics*, **49**(2), 187–196.

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Vermersch, J. A. and R. C. Beardsley, 1976. A note on the theory of low-frequency waves in a rotating stratified channel. *Studies in Applied Mathematics*, **55**, 281–292.

Beardsley, R. C., W. C. Boicourt, and D. V. Hansen, 1976. Physical oceanography of the Middle Atlantic Bight. *Limnology and Oceanography, Special Symposium*, **2**, 20–34.

Beardsley, R. C., H. Mofjeld, M. Wimbush, C. N. Flagg, and J. A. Vermersch, Jr., 1977. Ocean tides and weather-induced bottom pressure fluctuations in the Middle Atlantic Bight. *Journal of Geophysical Research*, **82**(21), 3175–3182.

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Brown, W. S. and R. C. Beardsley, 1978. Winter circulation in the western Gulf of Maine. Part 1. Cooling and water mass formation. *Journal of Physical Oceanography*, **8**(2), 265–277.

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