

William B. F Ryan

Home address: 104 Lexow Avenue, Nyack, NY 10960 USA

Work address: Lamont-Doherty Earth Observatory of Columbia University, Palisades, NY 10964

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Birth: September 1, 1939, Troy, NY USA

Present position: Emeritus Professor, Columbia University, Special Scientist Lamont-Doherty Earth Observatory

Ph.D., 1969 Columbia University in Geophysics: Thesis title: “The Floor of the Mediterranean Sea”

B.A. 1961 Williams College in Mathematics and Physics

Professional appointments

2014-Present: Special Scientist, Lamont-Doherty Earth Observatory

1986-2014: Doherty Senior Scientist, Lamont-Doherty Earth Observatory

1984-1986: Senior Research Scientist, Lamont-Doherty Geological Observatory

1984-2014: Adjunct Professor of Geology, Columbia University

1982-1984: Associate Director of Marine Geology and Geophysics Div. at Lamont-Doherty Geological Observatory

1979-1984: Adjunct Associate Professor of Geology, Columbia University

1975-1984: Senior Research Associate, Lamont-Doherty Geological Observatory

1969-1975: Research Associate, Lamont-Doherty Geological Observatory

1962-1969: Graduate Research Assistant at Columbia University

1961-1962: Research Assistant at the Woods Hole Oceanographic Institution

Books edited

Deep Drilling Results in the Atlantic Ocean: in *Continental Margins and Paleoenvironment*.
Editors: M Talwani, W. Hay, **WBF Ryan**, Maurice Ewing Series 3, American Geophysical Union, 437 p.

Initial Reports of the Deep-Sea Drilling Project, **WBF Ryan**, KJ Hsü *et al.*, 1973, Volume 13, Part 1 Washington (U.S. Government Printing Office) 1-514.

Initial Reports of the Deep-Sea Drilling Project, **WBF Ryan**, KJ Hsü *et al.*, 1973, Volume 13, Part 2 Washington (U.S. Government Printing Office) 517-1447.

Initial Reports of the Deep-Sea Drilling Project, H. Bolli, **WBF Ryan et al.**, 1978, Volume 40, Washington (U.S. Government Printing Office) 1-1079.

Initial Reports of the Deep-Sea Drilling Project, U. vod Rad, **WBF Ryan et al.**, 1979, Volume 47A, Washington (U.S. Government Printing Office) 1-835.

Initial Reports of the Deep-Sea Drilling Project, C Sibuet, **WBF Ryan et al.**, 1979, Volume 47A, Washington (U.S. Government Printing Office) 1-787

Books published

Ryan, William, and Walter Pitman. *Noah's Flood: The New Scientific Discoveries About the Event That Changed History*. New York: Simon and Schuster, 1999. (translated into 8 languages)

Committees Chaired

“Illuminating the Hidden Planet: The Future of Seafloor Observatories”, Committee on Seafloor Observatories and Opportunities, Ocean Studies Board, National Research Council of the National Academy 2000, 135 p.

Recognition and Awards

American Geophysical Union Fellow
Francis P. Shepard Medal for Marine Geology from SEPM
Honorary Degree from Williams College
Foreign Member of the Bulgarian Academy of Sciences (elected 2013)

Prestigious Invited Lectures

Oppenheimer Lecture, Los Alamos
Evin Lecture, Princeton University
Dean’s Lecture, G. H. W. Bush Library, Texas A&M University

Course Subjects Taught at Columbia University (1977 to 2014)

Marine Geology & Geophysics
Plate Tectonics
Earth Environmental Systems: Solid Earth
Paleoceanography
Sedimentary Geology

Ph.D. dissertations directed:

Daniel J. Fornari, 1978: “Submarine lava flows on island flanks and seamounts: chemistry and texture”
Kim A. Kastens, 1981: “Structural causes and sedimentological effects of cobblestone topography in the eastern Mediterranean”
Raymond P. Freeman-Lynde, 1981: “The marine geology of the Bahama Escarpment”
Maria A. M. da Silva, 1983: “The Arapipe Basin, NE Brazil: Regional geology and facies analysis of Lower Cretaceous evaporitic deposition complex”
John A. Farre, 1985: “The importance of mass wasting processes on the continental slope”
Ellen S. Kappel, 1985: “Evidence for episodicity and a non-steady state rift valley”
Suzanne O’Connell, 1986: “Anatomy of modern submarine depositional and distributary systems”
Angela M. Barone, 1989: “Morpho-tectonic evolution of subsea volcanoes near the boundary of separating plates: Examples from rifting and spreading stages”
Alberto Malinverno, 1989: “Statistical studies of seafloor morphology”
Carlos Pirmez, 1994: “Growth of a submarine meandering channel-levee system on the Amazon Fan”
Lincoln F. Pratson, 1994: “Submarine canyon initiation by downslope-eroding sediment flows: Evidence in late Cenozoic strata on the New Jersey continental slope”
Jennifer Robin Reynolds, 1995: “Segment-scale systematics of mid-ocean-ridge magmatism and geochemistry”
Raymond Paul Freeman-Lynde, 1981: “The marine geology of the Bahama Escarpment”

Ana Lucia Goncalves Macario, 1995: “Crustal accretion at intermediate spreading rates: Pacific-Antarctic Ridge at 65° S”

Wen Jin, 2000: “Tectonic strain and submarine lava flows in the mid-ocean ridges”

Johanna Lofi, 2002: “La Crise de Salinité Messinienne: Conséquences directes et différées de l'évolution sédimentaire de la marge du Golfe du Lion”

Candace O. Major, 2002: “Non-eustatic controls on sea-level change in semi-enclosed basins”

Angela L. Slagle, 2007: “Spatial and temporal variability of sedimentary processes in the Hudson River estuary”

Anne E. Cook, 2009: “Gas hydrate-filled fracture reservoirs on continental margins”

Anastasia G. Yanchilina, 2016: “Excess freshwater outflow from the Black Sea during glacial and deglacial periods and delayed entry of marine water in the early Holocene requiring evolving sills”