

CURRICULUM VITAE

James C. McWilliams

Department of Atmospheric and Oceanic Sciences
Institute of Geophysics and Planetary Physics
Office: 7983 Mathematical Sciences Building
University of California, Los Angeles
Los Angeles, CA 90095-1565
Phone: (310)206-2829; Email: jcm@atmos.ucla.edu
January 12, 2023

Education:

1968: B.S. with Honors, California Institute of Technology, Pasadena, CA

Major: Engineering and Applied Mathematics

Awards: Armco Scholarship (4 years), Honeywell Prize,
Travel Prize, Tau Beta Pi Honorary Society

1969: M.S., Harvard University, Cambridge, MA

1971: Ph.D., Harvard University, Cambridge, MA

Major: Applied Mathematics

Awards: Teaching fellowship (3 years), NSF fellowship (3 years)

Thesis: *The Boundary Layer Beneath Symmetric Vortices*

Advisor: Prof. George F. Carrier

Professional Employment:

1971: Lecturer, Harvard University Summer School, Cambridge, MA

1971–74: Research Fellow in Geophysical Fluid Dynamics, Harvard University, Cambridge MA. Supervisor: Prof. Alan Robinson

1974–2004: Research Scientist, National Center for Atmospheric Research, Boulder, CO. [1980–2004, Senior Scientist]. [1983–84, 1989, Oceanography Section Head]

1994–present: Louis B. Slichter Professor of Earth Sciences, Institute of Geophysics and Planetary Physics and Department of Atmospheric and Oceanic Sciences [1995–2003, Vice Chair; 1997, Acting Chair; 2007–2010, Chair], University of California, Los Angeles, CA

1995–2005: Distinguished Visiting Scientist, Jet Propulsion Laboratory, Pasadena, CA

Awards:

2001: Fellow of the American Geophysical Union

2002: Member of the National Academy of Sciences

Current External Activities:

Board of Governors and Executive Steering Committee, Southern California Coastal Ocean Observing System (SCCOOS)

UCLA Representative, NOAA Cooperative Institute for Marine, Earth, and Atmospheric Systems (CIMEAS)

Kelp Project Leader, Marine Biological Environmental Technologies (MBET)

Primary Publications:

McWilliams, J.C., 1972: Observations of kinetic energy correspondence in the internal wave field. *Deep-Sea Res.* **19**, 793-811. doi:10.1016/0011-7471(72)90099-X

McWilliams, J.C., 1974: Forced transient flow and small scale topography. *Geophys. Fluid Dyn.* **6**, 49-79. doi:10.1080/03091927409365787

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Robinson, A.R., & J.C. McWilliams, 1974: The baroclinic instability of the open ocean. *J. Phys. Ocean.* **14**, 281-294. doi:10.1175/1520-0485(1974)004<0281:TBIOTO>2.0.CO;2

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McWilliams, J.C., 1977: On a class of stable, slightly geostrophic mean gyres. *Dyn. Atmos. Oceans* **2**, 19-28. doi:10.1016/0377-0265(77)90013-6

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