

# MARK P. BALDWIN

NorthWest Research Associates  
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## SCIENTIFIC RESEARCH DIRECTOR

*Climate Research ~ Funding Procurement ~ Financial and Personnel Management*

Highly-cited climate researcher with proven skills in leadership and management of scientific organizations. Consistently successful at winning scientific research funding awards, and of achieving management and financial performance targets.

- Oversight of multidisciplinary research.
- Climate Research, Focused on Vertical Atmospheric Coupling.
- Research Fundraising, with 18 years as Principal Investigator. Funded by NSF, NASA, NOAA, and private industry.
- Leadership in International Science Efforts.
- Scientific Journal Editing.
- Meeting Organization & Finance.
- Financial Management & Planning.
- Management of \$1,000,000+ Overhead budgets.
- Proposal Design & Authorship.
- Solving Management & Financial Problems.
- Supervision of Scientists and Support Staff.

## EXPERIENCE

2008 **Appointment to Board of Directors**, North West Research Associates (NWRA).

2006–present, **Division Manager & Vice President**, North West Research Associates.

- Managed Seattle, WA Division with 24 scientists and \$5,000,000+ in business. NWRA is managed similarly to a non-profit organization.
- Oversaw multidisciplinary research, including atmosphere, ocean, ionosphere (signal processing & precursors to earthquakes), laboratory experiments, over-the-horizon tracking radar, satellite receiver design, and blood flow in the human body.
- Supervised Principal Investigators: Planned research strategies, authorized proposal submission, monitored contract/grant reporting, and compliance with federal audit requirements.
- Managed division overhead rate and \$1,000,000+ budget.
- Supervised IT staff, including security, networking, and Web site design.
- Reduced Division overhead from 56% to 49%.
- Designed internal contract report system to accelerate payments on federal contracts.

1999–present **Senior Research Scientist, NWRA**. Principal Investigator on multiple research projects. Co-managed Seattle Division.

1989–1998 **Research Scientist, NWRA**. Principal Investigator and Co-Investigator on research projects.

1987–1989 **Post-Doctoral Associate, NWRA**.

## EDUCATION and CERTIFICATIONS

1990, **Certified Consulting Meteorologist** (American Meteorological Society, #494).

1987, **Ph.D.** University of Washington, Atmospheric Sciences. Supervisor: Prof. James R. Holton.

1985, **M.S.** University of Washington, Applied Mathematics.

1981, M.S. Atmospheric Science, State University of New York at Albany. Supervisor: Prof. Bernard Vonnegut.

1980, B.S. Atmospheric Science/Maths double major, State University of New York at Albany.

## PROFESSIONAL ACHIEVEMENTS

- 1500+ citations in journals (As tracked by Web of Science).
- Five lead-author publications in *Science* Magazine.
- Editor, Quarterly Journal of the Royal Meteorological Society, 2008–.
- Editor, Bulletin of the American Meteorological Society, 2004–2008.
- Associate Editor, Journal of Geophysical Research, 2002–2005.
- Affiliate Faculty, Colorado State University, 2002–2004.
- Secretary, AGU Atmospheric Sciences, 2001–2003.
- Visitor, University of Oxford, summers 1999 & 2003.
- Visitor, University of Reading, summers 1999 & 2003.
- Visitor, University of Reading, July 2006 to July 2007.
- Contributing Author, 2007 IPCC Working Group I Report. This report was part of the body of work for which the IPCC won the Nobel Peace Prize.
- Lead Author (with Martin Dameris, DLR, Germany), Chapter 5, Climate-Ozone Connections, in the 2006 Scientific Assessment of Ozone Depletion.
- Lead Convener of AGU Chapman Conference, ‘Stratosphere-Troposphere Coupling’, Santorini Greece, 24–28 September, 2007.
- Lead Organizer of Stratosphere-Troposphere Coupling meeting in Whistler, BC, 2003.
- Theme Leader (with Shigeo Yoden, Kyoto University, Japan) SPARC ‘Stratosphere-Troposphere Dynamical Coupling’ 2004–present.
- Experience in writing press releases and giving press conferences.
- Expertise in Data Graphics and Typography.

## PERSONAL

- Married to Rebecca Tuttle Baldwin (economist) since 1982. Son, Ryan, aged 16.
- Running: 7+ marathons. Marathon PR 2:49:46 in 1984.
- Driving: Teaching high-performance driving on a race track.
- Other interests: Climbing and skiing, including descents of Mt. Rainier (4392 meters) and Aguille du Midi (3842 meters).
- Traveled to 30 countries on six continents.