

**Edward Evans (Ward) Hindman**  
**Professor Emeritus, Earth and Atmospheric Sciences Department**  
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**Education:**

Diploma, Lutheran High School, Los Angeles CA, 1960  
B. Sc., Meteorology, University of Utah, 1965  
M. Sc., Atmospheric science, Colorado State University, 1967  
Post-graduate oceanography, Old Dominion University, 1969-71  
Ph. D., Atmospheric science, University of Washington, 1975



**Research positions:**

Meteorology Research, Inc., Altadena, California, 1961-64  
Colorado State University, Fort Collins, Colorado, 1964-67, 1979-84, 2005-06  
Navy Weather Research Facility, Norfolk, Virginia, 1967-71  
Naval Weapons Center, China Lake, California, 1971-79  
Tribhuvan University, Kathmandu, Nepal, 1995-96

Dr. Hindman has developed meteorological instruments and conducted cloud physics research using the instruments in fogs, thunderstorms and hurricanes. He conducted research on the effects of human activities on physical and chemical properties of clouds. The field portions of the studies occurred in Colorado (where he founded Storm Peak Laboratory in 1981), at sea and in the Himalayas. He mentored numerous students during these field studies. He developed at CCNY a computer laboratory for the acquisition and analysis of real-time meteorological, oceanographic and solid-earth data and for numerical modeling studies. During his 1995/96 sabbatical, he conducted a unique, trans-Himalayan, international expedition to Mt. Everest to study the weather of the region and to determine the feasibility of ascending Everest with a sailplane. During his 2005/06 sabbatical, he investigated at Colorado State University the diagnosis and prediction of soaring flight by combining the CSU Regional Atmospheric Modeling System (RAMS) and the Swiss-developed "TopTask" soaring flight system. He is continuing those studies.

**Teaching:**

Associate Professor, Oceanography Department, U. S. Naval Academy, Annapolis MD 1984-87  
Associate Professor, Physics and Atmospheric Sciences Department, Drexel University, Philadelphia PA 1988  
Associate Professor, Earth and Atmospheric Sciences Dept., The City College of New York, NYC NY 1988-1994  
Professor, EAS Dept., The City College of New York, 1994-2007, Emeritus 2007  
Instructor, Landfall Marine Training Center, Stamford CT, 2007-present

**Awards:**

Eagle Scout, 1960  
Bank of America Achievement Award in Laboratory Science, 1960  
First place, American Meteorological Society Macelwane Undergraduate Award, 1965  
Best Overall Rider, National Collegiate Athletic Association Intermountain Cycling Championships, 1966  
Superior Achievement, Naval Weapons Center, 1978  
CCNY President's Innovation and Excellence in Teaching, 1993  
Explorers Club Flag Award, Trans-Himalayan Meteorology Expedition, 1995  
Federation Aeronautic International Gold Badge (two diamonds), 1998  
Fellow, American Meteorological Society, 2003  
Paul E. Tuntland Award, Soaring Society of America, 2003  
Explorers Club Flag Award, Student Expeditions in the Colorado Rockies, 2004  
OSTIV Diploma for best meteorological paper at 27<sup>th</sup> Congress, 2006  
OSTIV Special Recognition for editing *Technical Soaring*, 2008

**Service:**

Certified consulting meteorologist, American Meteorological Society  
Certified weather modification manager, Weather Modification Association  
Certified flight instructor-glider, US Federal Aviation Administration, 1192 hours total time  
President, Church Council, Our Savior's Atonement Lutheran Church, New York City (1998-99)  
Member and former treasurer, Cornerstone Choral, New York City (1990-present)  
Member, Larimer Choral, Ft. Collins CO, (2005-06)  
Vice Chair (1999-01), Chair (2001-2004), Atmospheric Sciences Section, New York Academy of Sciences, NYC  
Liaison, Earth and Environmental Sciences, PSC-CUNY Research Awards (1998-01)  
Vice-Chair, University Committee on Research Awards, CUNY (2000-01)  
Chief Editor, Organisation Scientifique et Technique Internationale du Vol à Voile (OSTIV) (2006-12)  
Manager, OSTIV's *Technical Soaring* (2012-present)  
Board member, Organisation Scientifique et Technique Internationale du Vol à Voile (OSTIV) (2006-present)  
Treasurer, Second Sunday Concert Society, Leonia NJ (2006-09)

**Peer reviewed publications last five years:**

- Hindman, E. E., S. M. Saleeby, O. Liechti and W. R. Cotton, 2007: A meteorological system for planning and analyzing soaring flights in Colorado USA. *Technical Soaring*, **31**, 68-78.
- Hindman, E. E., editor and an author, 2009: *Weather forecasting for soaring flight*. World Meteorological Organization Technical Note No. 203 (WMO No. 1038), ISBN 978-92-63-11038-1, 70pp.
- Hindman, E. E., 2009: An 'aerosol effect' detected in winter orographic clouds but an effect on precipitation could not be determined. *J. Weather Modification*, **41**, 97-103.

**Meeting presentations last five years:**

- Hindman, E. E. and R. D. Borys, 2007: Long-term, wintertime, mountain-top cloud measurements. In *Program and Abstracts, Fourth International Conference on Fog, Fog Collection and Dew*, 22-27 July 2007, La Serena, Chile, pp. 57-60.
- Hindman, E. E., 2007: Evaluating weather predictions and subsequent glider flights, fall 2006 and spring 2007, east coast USA. Presented at the OSTIV Meteorological Panel Meeting, St. Auban France, September 2007.
- Hindman, E. E., S. M. Saleeby and O. Liechti, 2008: A meteorological system for planning and evaluating glider flights in Pennsylvania USA. Presented at the American Meteorological Society 13<sup>th</sup> Conference on Aviation, Range and Aerospace Meteorology, 20-24 January 2008, New Orleans LA USA, ([ams.confex.com/ams/88Annual/techprogram/paper\\_133956.htm](http://ams.confex.com/ams/88Annual/techprogram/paper_133956.htm)).
- Hindman, E. E., 2008: An 'aerosol effect' detected but precipitation not affected. Presented at the American Meteorological Society 17<sup>th</sup> Conference on Planned and Inadvertent Weather Modification/Weather Modification Association Annual Meeting, 21-25 April 2008, Westminster CO USA.
- Hindman, E. E., S. M. Saleeby and O. Liechti, 2008: Status of meteorological system for glider flights using thermals for the northeast USA. Presented at the XXIX OSTIV Congress, 6 - 13 August 2008, Lüsse, Germany, submitted to *Technical Soaring*.
- Hindman, E. E., S. M. Saleeby and O. Liechti, 2009: An on-line, meteorological system for planning and analyzing glider flights in the NE USA. Presented at the Ridge Soaring seminar, Penn State University, University Park PA USA, 28-29 March 2009.
- Hindman, E. E., S. M. Saleeby and O. Liechti, 2009: Improving atmospheric numerical models using meteorological and glider flight recorded data. Presented at the OSTIV Meteorological Panel Meeting, Pfaffstatten, Austria, September 2009, [www.pa.op.dlr.de/ostiv/](http://www.pa.op.dlr.de/ostiv/).
- Hindman, E. E., 2011: *Technical Soaring*, the International Journal of OSTIV, Presented at the Soaring Society of America Conference, 27-29 January 2011, Philadelphia PA USA
- Hindman, E. E., 2011: Favorable and dangerous meteorological conditions for soaring flight, Wurtsboro Aviation Academy, Wurtsboro Airport NY USA, 21 and 26 July.
- Hindman, E. E., 2011: Extraordinary weather plus modern sailplanes produce extreme flights. Presented at the New York City/Long Island Chapter of the American Meteorological Society, Upton NY USA, 7 August.
- Hindman, E. E., 2012: Extraordinary weather plus modern sailplanes produce extreme flights. To be presented at the Soaring Society of America Convention, Reno NV, 2-5 February.

**Professional and educational articles last five years (not peer-reviewed):**

- Hindman, E. E., 2007: OSTIV – An introduction and call for papers. *Soaring*, **71**/12, pg. 10.
- Hindman, E. E., 2010: An on-line glider pilot self-briefing system. *Soaring*, submitted Feb 2010, 8 pp. (on my website in 'Soaring meteorology' folder)
- Cramer, W. and E. Hindman, 2010: A new CFI-G. *Soaring*, **74**/09, pg. 47.

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