Edward (Ward) Hindman
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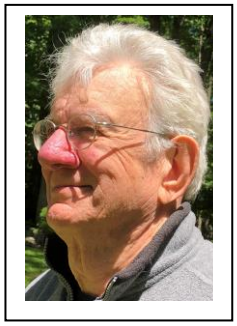

13 June 2020

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 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, the ultimate ascent. 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 soaring meteorology studies.

Teaching positions:

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, 2007-2013

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 27th Congress, 2006
OSTIV Special Recognition for editing *Technical Soaring*, 2008
OSTIV Diploma for best meteorological paper at 31st Congress, 2012
OSTIV elected Honorary Member at 33rd Congress, 2017

Service:

Certified consulting meteorologist (retired 2017), American Meteorological Society
Certified weather modification manager (retired 2013), Weather Modification Association, Honorary Member WMA (2015)
Commercial Pilot and Certificated Flight Instructor-Glider, US Federal Aviation Administration, ~1500 hours total time, ~100 instructing
Church Council, Our Savior's Atonement Lutheran Church, New York City (1996-1999), President (1998-99)
Choir, OSA Lutheran Church, New York City, NY (1988-2015)
Choir, St. Peter's Lutheran Church, Port Jervis, NY (2015-present)
Member and former treasurer, Cornerstone Choral, New York City (1990-2013)
Member, Larimer Choral, Ft. Collins CO, (2005-06)
Member, Middletown Concert Choral, Middletown NY (2017-present)
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, Editor *Technical Soaring*, Organisation Scientifique et Technique Internationale du Vol à Voile (OSTIV) (2006-12)
On-line Manager and Archivist, *Technical Soaring*, journals.sfu.ca/ts/ (2012-2016)
Board member, Organisation Scientifique et Technique Internationale du Vol à Voile (OSTIV) (2006-2015)
Treasurer, Second Sunday Concert Society, Leonia NJ (2006-09)

Peer reviewed publications last five years:

Hindman, E. E., 2017: When wave soaring, do not get caught on top! *Technical Soaring*, **41**/3, 16-23.

Hindman, E. E., 2017: Status and future of weather forecasting for soaring flight based on predictions from numerical weather prediction (NWP) models. *Technical Soaring*, **41**/3, 26-27.

Hindman, E. E. 2020: Validating mountain-wave predictions from the United States High-Resolution, Rapid-Refresh (HRRR) numerical weather prediction (NWP) model. *Technical Soaring*, **44**/4, 35-43.

Hindman, E. E., 2021: A paraglider flight over 8051 Broad Peak *Technical Soaring*, **45**/2, 13-18.

Hindman, E. and Lindstrom, S., 2022: The Mount Everest plume in winter, *Atmos. Chem. Phys. Discuss.* [preprint], doi.org/10.5194/acp-2021-966, in review.

Meeting presentations last five years:

Hindman, E. E., 2017: Do not get caught on top! Presented at the OSTIV Congress, 12 January 2017, Benalla, Victoria, Australia.

Hindman, E. E., 2017: Status and future of weather forecasting for soaring flight based on predictions from numerical weather prediction (NWP) models. Presented at the OSTIV Meteorological Panel meeting, 13 January 2017, Benalla, Victoria, Australia.

Hindman, E. E. (Ward), 2018: Validating mountain-wave updraft speeds predictions from the High-Resolution, Rapid-Refresh (HRRR) numerical weather prediction (NWP) model. Presented by John Bird at the XXXIV OSTIV Congress, 28 July-3 August 2018, Hosín, Czech Republic.

Hindman, E. E., 2021: 8051m Broad Peak ascended via paraglider-a possible analogue for an ascent of 8848m Mt. Everest. Presented 17 February 2021 at the on-line *OSTIV Meteorological Panel* hosted by Istanbul Aydın University, Istanbul, Turkey.

Hindman, E. E., 2021: Ascend Mount Everest via paraglider? Presented at the virtual *XXXV OSTIV Congress*, 18 – 23 July 2021, hosted by TU Braunschweig, Germany.

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

Hindman, E. E. (Ward), 2017: Do not get caught-on-top! *Conference Program and Proceedings*, XXXIII OSTIV Congress, 8-13 January 2017, Benalla, Victoria, Australia, pp 79-80.

Hindman, E. E. (Ward), 2018: OSTIV Publications now online. *Soaring*, **82**/05, pg. 4.

Hindman, E. E. (Ward), 2018: Validating mountain-wave updraft speeds predictions from the High-Resolution, Rapid-Refresh (HRRR) numerical weather prediction (NWP) model. *Conference Program and Proceedings*, XXXIV OSTIV Congress, 28 July-3 August 2018, Hosín, Czech Republic, pp. 95-98.

Hindman, E. E., 2021: 8051m Broad Peak ascended via paraglider-a possible analogue for an ascent of 8848m Mt. Everest. *OSTIV Meteorological Panel Extended Abstracts*, Istanbul Aydın University, Istanbul, Turkey, E-ISBN: 978-625-7783-42-2, pp. 32-34.

Hindman, E. E., 2021: Ascend Mount Everest via paraglider? *Extended Abstracts XXXV OSTIV Congress*, TU Braunschweig, ISBN 978-3-947623-42-6, pp. 94-97.