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Degrees Ph.D., Atmospheric Sciences, 1975, University of Washington, Seattle. (under Businger)
B.S. Ch. E., Chemical Engineering, 1971, University of Washington, Seattle.

Certifications: Certified Consulting Meteorologist (CCM) by American Met. Soc. in USA. 1991 - now
Certified Flight Instructor (CFII) in USA: single & multi-engine land, instrument, airplane. 1978 - 2021
Licensed Commercial Pilot in USA: single- & multi-engine land, instrument, airplane. 1977 - now
Licensed Private Pilot in Canada. 2000 - 2016

Positions: Full Professor, Atmospheric Sci. Program, EOAS Dept., Univ. of British Columbia. 1995-now
Full Professor, Dept. of Atmospheric & Oceanic Sciences, Univ. of Wisconsin-Madison. 1989-1995
Visiting Scientist, IBM Environmental Sci. & Solutions Centre, Bergen, Norway, Summer 1992
Visiting Scientist, German Aerospace Research Establishment (DLR), Munich. 1988
Associate Professor, Dept. of Meteorology, Univ. of Wisconsin-Madison. 1985-1989
Visiting Scientist, Royal Netherlands Meteorological Institute (KNMI), DeBilt. 1986
Assistant Professor, Dept. of Meteorology, Univ. of Wisconsin-Madison. 1979-1985
Numerical Prediction Meteorologist, USAF Captain, Global Weather Central, Nebraska. 1975-1979
Summer Fellow in Scientific Computing, NCAR, Boulder, CO. 1973.

Field Experiences: 2010 Winter Olympics. My team ran a field station on Whistler Mtn. 2007 - 2010
Vancouver Field Obs: My team deployed 9 weather stations in greater Vancouver, BC. 2004-now
Rocketsonde Experimental Launches at Harrison Lake, BC, and at San Angelo, Texas, 2002, 2003.
FIRESTORM forest-fire field program, south-central British Columbia, Canada, 2001
Pacific 2001 air pollution field program, Georgia Basin, BC, Canada, 2001.
Boundary Layer Experiment 1996 (BLX96), Kansas & Oklahoma (PI), 1996.
Atmospheric Radiation Measurement (ARM) Intensive Op Period (IOP), Kansas & OK. 1995
Fronts Experiment Systems Test (STORM-FEST), Seneca, Kansas, 1992.
Pine Bluff Field Experiment, Pine Bluff, Wisconsin, 1989.
Longitudinal land-surface Traverse Experiment (LOTREX), Braunschweig, Germany, 1988.
Hydrologic Atmospheric Pilot Experiment (HAPEX), Toulouse, France, 1986.
Boundary Layer Experiment - 1983 (BLX83), Oklahoma (Co-PI).
Cooperative Convective Precipitation Experiment (CCOPE), Montana, 1981.
GARP Atlantic Tropical Experiment (GATE), Dakar, Africa, 1974.
Puerto Rican boundary layer experiment, 1972.

Service: Director, Geophysical Disaster Computational Fluid Dynamics Centre, UBC. 2000-now
Chair, Atmos. Sci. Program, Univ. of British Columbia, Canada, 1996-2000, 2007-08, 2010-2015
Director, UBC Weather Forecast Research Team. 1997 - now
Associate Chairman (Grad.Chair), Dept. of Atmos. & Oceanic Sci., Univ. of Wisconsin. 1989-1995
Associate Editor: Journal of Applied Meteorology, and AMS Glossary of Meteorology.
Advisory Panel Member: NSF/NCAR Observing Facility Advisory Panel (OFAP) 1996-1999
Program Chairman for 1997 Am. Meteor. Soc. 12th Symposium on Boundary Layers & Turbulence

Courses Taught: 23 different courses in meteorology and climatology at all undergrad and grad levels.
Teaching Evaluations: Above departmental averages at U. Wisconsin
Winner of (Canada-wide) Killam Teaching Prize at UBC, May 2015.

Graduate Students Supervised: While at U. Wisc: Major prof for 22 MSc and PhD students, Committee member for 51. Formal external examiner for 3 PhD students from: Canada, Australia, India. While at UBC: Major prof for over 22 PhD students, 18 MSc Students. Supervised 9 postdocs. Committee member for 27 students. External or university examiner for 20 students.

Memberships: Royal Meteorological Society - international fellow,
American Meteorological Society - fellow & Certified Consulting Meteorologist (CCM),
Canadian Meteorological and Oceanographic Society - fellow.

Honors: Fellow in both the Canadian Meteorological & Ocean. Society, and American Meteorol. Society.

Areas of Research Interest: Numerical weather prediction (including clean-energy production, weather-related disasters, transportation weather, ensemble & probabilistic forecasting), mountain meteorology, mesoscale meteorology, atmospheric boundary layers, turbulence, dispersion, air quality, and aviation meteorology. See: <https://www.eoas.ubc.ca/research/facilities/gdcfdc>

Research Grants & Contracts: over 138 during the 26 years at UBC, at \$750 k/year in past 5 years.

Public Seminars and Colloquia Given: over 300 at locations including:

Germany: Univ. Bonn, Univ. Hannover, Univ. Karlsruhe, München Univ., Univ. Göttingen.

Switzerland: Univ. of Bern, Swiss Federal Inst. of Tech-Zurich.

Netherlands: Wageningen Ag. Univ., Amsterdam Acad. of Arts and Sci.

Norway: IBM Bergen Scientific Centre, Norwegian Meteorological Inst.

Portugal: Univ. of Aveiro.

Spain: Univ. of Madrid, Polytech Inst. of Madrid.

England: Cambridge Univ.

At international government agencies: RISØ-Denmark, DLR-Germany, KNMI-Netherlands, ECMWF-England, British Met. Office-England, CNRM-France, NATO-Germany.

European Geophysical Society (EGS) Conferences in Spain, Germany, Denmark, France.

IAMAP/IPSO/IUGG Conferences in Hawaii and Vienna. OHOLO Conference in Israel.

Universities: Gave talks at 9 universities in Canada and 15 universities in the USA.

Numerous TV & radio interviews, including CNN. Numerous public lectures to civic & school groups.

Web Sites Developed: • <https://weather.eos.ubc.ca/wxfst/> Provides 3000 weather-forecast maps daily.

• https://weather.eos.ubc.ca/wxfst/users/Guest/ubcers_withicons/index.php?location=3510 , ESB rooftop weather.

• <https://firesmoke.ca/> Forest-fire smoke dispersion forecasts for Canada.

• <https://weather.eos.ubc.ca/arctic/> Arctic-Canada weather forecasts for shipping & aviation.

Infrastructure on Hand for my Research Team to do Weather and Climate Forecasts:

Most computing equip. of any indiv.prof in EOAS: 552-core HPC cluster + 28 servers + 25 workstns.

Publications: Total refereed journal publications: over 118. More being submitted each year.

Single-author textbooks:

• Stull, 1988: *An Introduction to Boundary Layer Meteorology*. Kluwer/Springer, 666pp.

• Stull, 2017: *Practical Meteorology: An Algebra-based Survey of Atmospheric Science*. 940pp.

Free online worldwide. https://www.eoas.ubc.ca/books/Practical_Meteorology/ Over 40,000 users from 173 countries (5,233 cities) have made over 141,000 downloads of my book chapters.

Chapters in other books: 10 (including Wallace & Hobbs 2006: *Atmos. Science, An Intro. Survey, 2Ed*)

Citizenship: Dual: Canada and USA.