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Education

B.S., Geology, Marshall University, 1970
M.S., Geology, The Ohio State University, 1973
Ph.D., Geology, The Ohio State University, 1976

Honors, Awards

2002 Dr. A.H. Heineken Prize for Environmental Science, Royal Netherlands Academy of Arts and Sciences
2002 Common Wealth Award for Science and Invention (the award recognizes distinguished service to the world community)
2002 University Distinguished Professor Award
2002 *Vega Medal*, Swedish Society for Anthropology and Geography
2002 John Marshall Medal for Civic Responsibility, Marshall University
2001 Elected Fellow of the American Geophysical Union
2001 University Distinguished Scholar Award
2001 *America's Best in Science and Medicine:* Time Magazine and CNN

Committee Appointments

2001-2004	Science Advisory Panel for the Climate Change Data and Detection (CCDD) program, NOAA Climate and Global Change (C&GC) Program
1996-Present	NSF AMS External Users Advisory Committee for University of Arizona
1996-99	Steering Committee for ARTS International Program
1996-98	National Academy of Sciences' Panel on Climate Variability on Decade- to -Century Time Scales.
1995-Present	NSF AMS External Advisory Committee for Purdue University
1995-98	PAGES- Pole Equator Pole I Steering Committee

Editorial Boards

2000+	*Quaternary Science Reviews*: Editorial Board
1999+	Invited and Elected to the Advisory Board of the International Glaciological Society, Cambridge, England
1994+	*Geology,* Editorial Board
1990+	International Editorial Advisory Board for Interdisciplinary Journal - *The Holocene*

Recent Research Expeditions

2003 Field team leader of 25 member team conducting ice core drilling program on the summit of the Quelccaya and Coropuna ice caps in the high Andes of Peru from July 13th to September 10th, 2003.

2002 Field team leader of 15 member team conducting ice core drilling program on the Col of Bona-Churchill, Alaska from April 29 to June 15, 2002.

2002 Field team leader of 6 member team re-photographing Qori Kalis glacier, drilling shallow cores from summit Quelccaya and year 2002 ice thickness determinations Quelccaya, Peru, July 20th to August 6, 2002.

2000 Field team leader of 10 member team to conduct ice core drilling on Kilimanjaro, Africa, January 10 to March 4, 2000.

2000 Field team leader of 6 member team conducting glacier retreat survey on Quelccaya ice cap, Peru, August of 2000.

2000 Field team leader (U.S. side) of 48 member team conducting ice core drilling program on the 6000-meter Puruogangri Ice Cap on the Central Tibetan Plateau September 10 to November 5th , 2000.

Research Grants: total 53 (NSF, NASA, NOAA and NGS) only active awards listed

2003-06 Principal Investigator, A tropical perspective on 20th century climate change from ice core histories and glacier area and volume measurement from the Quelccaya and Coropuna ice caps in the Southern Andes. NSF-ESH.

2001-05 Principal Investigator, Ice Core Reconstruction of North Pacific Climate Variability and Environmental History from Bona-Churchill Ice Field, Alaska, NSF-Arctic.

2001-04 Principal Investigator, Cooperative Ice Core Paleoclimate Study of Monsoon Variability as Archived in the Puruogangri Ice Cap on the Central Tibetan Plateau, NSF-ESH-Paleoclimate.

2001-03 Climate Change and Environmental Research Initiative (CCERI). Board of Regents' Research Challenge Program and Vice President for Research (funded with four colleges)

2001-02 Interdisciplinary Research Seminar Program: Humans and Climate: A historical Examination of adaptive responses to Drought and Aridification. Public lecture seminar organized by Byrd Polar Research Center, Department of Anthropology, Department of Geography and Department of Geological Sciences. Office of Research funded.

2000-03 Principal Investigator, Role of Environmental Molecular Interfaces on the Chemical and Biological Reactivity of Pollutants-Atmospheric-5. NSF-EMSI.

2000-01 Principal Investigator, Cooperative Ice Core Paleoclimate Study of Monsoon Variability as Archived in the Puruogangri Ice Cap on the Central Tibetan Plateau. NSF-SGER.

Publications (over 165 publications--only the last three years listed)

2003 Thompson L.G., High Altitude, Low-and Mid-latitude Ice Core Records: Implications for Our Future: Chapter in: *Earth Paleoenvironments: Records Preserved in Mid and Low Latitude Glaciers*. Kluwer publishers, in press.

2003 Arkhipov S.M., V.N. Mikhalenko, M.G. Kunakhovich, L.G. Thompson, V.S. Zagorodnov, K.A. Henderson. Accumulation and ice formation conditions on the Vetreniy Ice Dome in 1975-1993. (Graham Bell Island, Franz Josef Land). MOCKBA 93, 17-24.

2003 Mosley-Thompson, E., T. A. Mashiotta, and L. G. Thompson. Ice core records of late Holocene volcanism: Current and future contributions from the Greenland PARCA cores. In Volcanism and the Earth's Atmosphere, edited by A. Robock and C. Oppenheimer, American Geophysical Union, in press.

2003 Hong, S., J.K. Park, L.G. Thompson, C.F. Boutron, C.P. Ferrari, B. Francou and L. Maurice-Bourgoin. Changes in the occurrence of heavy metals in the tropical atmosphere during the past 22,000 years as recorded in Bolivian ice core. *J.Phys.*IV France, 107, 633-636. DEP Sciences, Les Ulis DOI: 10.1051/jp4:20030383.

2003 Wang, N., Thompson, L.G., Davis, M.E., Mosley-Thompson, E., Yao, T., and Pu, J. 2003. Influence of variations in NAO and SO on air temperature over the northern Tibetan Plateau as recorded by $\delta^{18}O$ in the Malan ice core, *Geophysical Research Letters*, 30(22), 2167-2170, DOI:10.1029/2003GL018188.

2003 Thompson L.G., M.E. Davis, P-N. Lin, E. Mosley-Thompson, and H.H. Brecher. Ice Cores from Tropical Mountain Glaciers as Archives of Climate Change. In: *Global Change in Mountain Regions*, Kluwer Publishers, in press.

2003 Bradley R.S., M. Vuille, D. Hardy and L.G. Thompson. Low latitude ice cores record Pacific sea surface temperatures, *Geophysical Research Letters*, DOI:10.1029/2002GL016547.

2003 Thompson, L.G., E. Mosley-Thompson, M.E. Davis, P-N. Lin, K. Henderson and T.A. Mashiotta. Tropical glacier and ice core evidence of climate change on annual to millennial time scales. Highest Volume. *Climatic Change,* 59 (1-2), 137-155.

2003 Christner, B.C., E. Mosley-Thompson, L.G. Thompson, and J.N. Reeve, Mosley-Thompson, E. and L. G. Thompson. 2003. Bacterial recovery from ancient glacial ice. *Environmental Microbiology*, 5 (5), 433-436.

2003 Mosley-Thompson E. and L.G. Thompson. Ice core paleoclimate histories from the Antarctic Peninsula: Where do we go from here? In Antarctic Peninsula Climate Variability: A historical and Paleoenvironmental Perspective, Antarctic Research Series, American Geophysical Union, Washington, D.C., in press.

2003 Vuille, M., R.S. Bradley, R. Healy, M. Werner, D.R. Hardy, L.G. Thompson and F. Keimig. Modeling $\delta^{18}O$ in precipitation over the tropical Americas, Part II: Simulation of the stable isotope signal in Andean ice cores, *Journal of Geophysical Research-Atmospheres,* 108, DOI:10.1029/2001JD002039.

2003 Davis, M. E. and L.G. Thompson. Four centuries of climatic variation across the Tibetan Plateau from ice-core accumulation and $\delta^{18}O$ records, In: *Earth Paleoenvironments: Records Preserved in Mid and Low Latitude Glaciers*, Kluwer Publishers, in press.

2002 Thompson, L.G., E. Mosley-Thompson, M.E. Davis, K.A. Henderson, H. H. Brecher, V.S. Zagorodnov, T.A. Mashiotta, P-N. Lin, V. N. Mikhalenko, D.R. Hardy and J. Beer. Kilimanjaro ice core records: Evidence of Holocene climate change in tropical Africa. *Science,* 298, 589-593.

2002 Thompson, L.G. M.E. Davis, P-N Lin. Stable isotopes and their relationship to temperature and precipitation as recorded in low latitude ice cores. *IAEA paper CN80/97,* 274-285.

2002 Zagorodnov, V.S., L.G. Thompson, E. Mosley-Thompson and J.J. Kelley. Performance of Intermediate depth portable ice core drilling system on polar and temperate glaciers. *Mem.Natl. Inst. Polar Res., Spec. Issue*, 56, 67-81.

2002 Wang N., T. Yao, L.G. Thompson, K.A. Henderson and M.E. Davis. Evidence for cold events in the early Holocene from the Guliya ice core, Tibetan Plateau, China. *Chinese Science Bulletin*, 47, 1422-1427.

2002 Thompson, L. G. and V. N. Mikhalenko. First results of the two new projects of the deep ice coring on tropical glaciers *MOCKBA* Pub. 84, p. 224-228.

2001 Thompson L.G., Stable Isotopes and their relationship to temperature as recorded in low latitude ice cores. Chapter 5: In: Geological perspectives of global climate change, L.C. Gerhard, W.E. Harrison, and B.M. Hanson, eds., 99-119.

2001 Alverson, K., R. Bradley, K. Briffa, J. Cole, M. Hughes, I. Larocque, T. Pederson, L. Thompson, and S. Tudhope, A Global Paleoclimate Observing System., *Science.* 293, 47-48.

2001 Xie S. , T. Yao, S. Kang, Q. Xu, K. Duan and L.G. Thompson. Geochemical analyses of a Himalayan snowpit profile: Implications for atmospheric pollution and climate. *Organic Geochemistry,* 31, 15-23.

2001 Wang, N., L.G. Thompson and J. Cole-Dai. The nature of solar activity during the Maunder Minimum revealed by the Guliya ice core record. *Chinese Science Bulletin*, in press.

2001 Mosley-Thompson, E., J.R. McConnell, R.C. Bales, Z. Li, P-N. Lin, K. Steffen, L.G. Thompson, R. Edwards, and D. Bathke. Local to regional-scale variability of Greenland accumulation from PARCA cores. *Journal of Geophysical Research,* 106(D24), 33, 839 - 33,852.

2000 Thompson , L.G., E. Mosley-Thompson, and K.A. Henderson. Ice Core Paleoclimate Records in Tropical South America Since the Last Glacial Maximum. *Journal of Quaternary Science,* 15(4), 377-394.

2000 Thompson L.G., T. Yao, E M-Thompson, M. E. Davis, K. A. Henderson and P.-N. Lin. A high-resolution millennial record of the south Asian monsoon from Himalayan ice cores, *Science,* 289, 1916-1919.