

Lonnie G. Thompson

Short Curriculum Vitae

Distinguished University Professor, School of Earth Sciences
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Lonnie G. Thompson is a Distinguished University Professor in the School of Earth Sciences and a Senior Research Scientist in the Byrd Polar and Climate Research Center at The Ohio State University. His research has propelled the field of ice core paleoclimatology out of the Polar Regions to the highest tropical and subtropical ice fields. He and the OSU team have developed light-weight solar-powered drilling equipment for acquisition of histories from ice fields in the tropical South American Andes, the Himalayas, and on Kilimanjaro. These paleoclimate histories have advanced our understanding of the coupled nature of Earth's climate system. Special emphasis has been placed on the El Niño and monsoon systems that dominate the climate of the tropical Pacific and affect global-scale oceanic and atmospheric circulation patterns. His observations of glacier retreat over the last three decades confirm that glaciers around the world are melting and provide clear evidence that the warming of the last 50 years is now outside the range of climate variability for several millennia, if not longer.

Education

Ph. D., Geological Sciences, *The Ohio State University, Columbus, Ohio, 1976*

M.S., Geological Sciences, *The Ohio State University, Columbus, Ohio, 1973*

B.S., Geology, *Marshall University, Huntington, West Virginia, 1970*

Professional Appointments

2002-Present Distinguished University Professor, School of Earth Sciences, and Senior Research Scientist, Byrd Polar and Climate Research Center, The Ohio State University

2014-Present Adjunct Professor, Chinese Academy of Sciences, Center for Excellence in Tibetan Plateau Earth Sciences (CETES), Beijing, China

2005-Present	Co-director of Academics, Tibetan Plateau Research Institute, Beijing, China
1994	Professor, Department of Geological Sciences, The Ohio State University
1991	Associate Professor, Department of Geological Sciences, The Ohio State University
1976	Research Scientist, Byrd Polar Research Center, The Ohio State University

Key Indicators of Scholarly Excellence

-  **Elected Member of The National Academy of Sciences, 2005**
-  **United States Medal of Science, 2007, awarded by the President of the United States at the *White House, Washington, D.C.***
-  **Elected Foreign Member of the Chinese Academy of Sciences, 2009**
-  **Dr. A.H. Heineken Prize for Environmental Science, 2002, *Royal Netherlands Academy of Arts and Sciences, Amsterdam***
-  **Benjamin Franklin Medal, *The Franklin Institute*, 2012**
-  **Tyler Prize for Environmental Achievement, 2005**
-  **Dan David Prize in Geosciences, 2008**
-  **The Common Wealth Award for Science and Invention, 2002**
-  **Vega Medal, 2002, *Swedish Society for Anthropology and Geography***
-  **Elected Fellow of the American Association for the Advancement of Science, 2005**
-  **Elected Member of the American Philosophical Society, 2006**
-  **Elected Fellow of the American Geophysical Union, 2001**
-  **Honorary Doctoral Degree, 2013, *University of Pennsylvania's 257th Commencement, Philadelphia, Pennsylvania***
-  **Honorary Doctorate of Science, 2011, *University of Lancaster, United Kingdom***
-  **Honorary Doctorate of Science Degree, Spring 2009, *Northwestern University, Evanston, Illinois***
-  **Honorary Doctorate of Science Degree, Spring 2009, *Colgate University, Hamilton, New York***

Additional Indicators of Scholarly Excellence (chronological)

- ✚ **Named in Time Magazine's Special Edition, *Great Scientists: The Geniuses, Eccentrics and Visionaries Who Transformed Our World*, January 30, 2015**
- ✚ **Named Adjunct Professor, *Chinese Academy of Sciences Center for Excellence in Tibetan Plateau Earth Science* (CETES), Beijing, China, 2014**
- ✚ ***Joseph Sullivant Medal for Excellence in Paleoclimatology, Teaching, and Research*, 2013, *Winter Commencement, The Ohio State University, Columbus, Ohio***
- ✚ ***American Polar Society Medal and Lifetime Membership*, 2013, *Woods Hole, Massachusetts***
- ✚ ***International Science and Technology Cooperation Award*, 2012, *People's Republic of China, Great Hall of the People, Beijing, China***
- ✚ ***Friendship Award from the State Council of the People's Republic of China for Promotion of Cooperation and Friendship between U.S.A. and China*, 2012, *People's Republic of China, Great Hall of the People, Beijing, China***
- ✚ ***Distinguished Alumni Award*, 2012, *The Ohio State University, College of Arts and Sciences, Columbus, Ohio***
- ✚ ***Award for International Scientific Cooperation of the Chinese Academy of Sciences*, 2011, *Institute of Tibetan Plateau Research, Beijing, China***
- ✚ ***Mountain Hero Award for Excellence in Conserving Mountain Environments*, October 22, 2009, *The Cosmos Club, Washington, D.C.***
- ✚ ***The David R. Brower Conservation Award for Outstanding Service in Mountain Conservation*, 2009, *Golden, Colorado***
- ✚ ***Environmental Hero*, 2008, *Time International Magazine***
- ✚ ***Lifetime honorary member of the Geological Society of Peru*, 2008**
- ✚ ***Elected to the Board of Directors Andean Mountain Museum*, 2008, *Lima, Peru***
- ✚ ***The Seligman Crystal*, 2007, *International Glaciological Society***
- ✚ ***Alumni Medalist Award*, 2007, *The Ohio State University, Columbus, Ohio***
- ✚ ***Einstein Lecturer*, 2007, *Chinese Academy of Sciences***
- ✚ ***Sphinx Senior Honorary Chapter Senior Member*, 2007, *The Ohio State University, Columbus, Ohio***
- ✚ ***Distinguished Explorer Award*, 2007, *Roy Chapman Andrews Society***
- ✚ ***Elected Alumni member of Phi Beta Kappa, Epsilon of Ohio*, 2006**

- ✚ **Phi Kappa Phi**, inductee, 2004
- ✚ **John Marshall Medal for Civic Responsibility**, 2002, *Marshall University, Huntington, West Virginia*
- ✚ **Science Magazine Special Article**, *Ice Man: Lonnie Thompson Scales the Peaks for Science*, by Kevin Krajick, October 2002
- ✚ **University Distinguished Scholar Award**, 2001, *The Ohio State University, Columbus, Ohio*
- ✚ **Named America's Best in Science and Medicine**, 2001, *Time Magazine and CNN*

Current or Recent National Service Activities

- 2013-18 Chinese Academy of Sciences National Science Review (NSR) Advisory Board
- 2012 Fellows Selection Committee, National Academy of Inventors, University of South Florida
- 2009-11 Member, NSF Advisory Committee for Geosciences (AC-GEO)
- 2010 Chair, Committee of Visitors for the NSF Atmospheric Section (April 7-9, 2010), National Science, Arlington, VA.
- 2007-11 Member-at-Large: American Association for the Advancement of Science Section Committee on Geology and Geography (E)

Research Publications and Activities

Refereed Publications: 212 total
 Research Expeditions: 60 total
 Funded Research Programs: 71 total