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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

Employment

2002+ Distinguished University Professor, School of Earth Sciences, and
The Ohio State University & Senior Research Scientist, Byrd Polar and Climate Research
Center
2014+ Adjunct Professor, Chinese Academy of Sciences, Center for Excellence in Tibetan
Plateau Earth Sciences (CETES), 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

Honors, Awards

2013 The Ohio State University Joseph Sullivant Medal for Excellence in Paleoclimatology,
Teaching, and Research. Winter Commencement, The Ohio State University, Columbus,
OH, December 15.
2013 Honorary Doctoral Degree, University of Pennsylvania's 257th commencement in
Philadelphia, PA on May 13.
2013 Honorary Membership for Life in the American Polar Society Medal, Woods Hole, MA,
April 12.
2012 International Science and Technology Cooperation Award, People's Republic of China,
Great Hall of the People, Beijing China. Award received Jan. 18, 2013.
2012 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. Award received
Jan. 18, 2013.
2012 Distinguished Alumni Award, OSU, College of Arts and Sciences, April 27, 2012
2012 Benjamin Franklin Medal, The Franklin Institute, April, 2012
2011 Award for International Scientific Cooperation of the Chinese Academy of Sciences,
Institute of Tibetan Plateau Research, Beijing, China, Jan. 18, 2013.
2011 Honorary Doctorate of Science, University of Lancaster, UK, July 21, 2011
2009 Elected Foreign Member of the Chinese Academy of Sciences, Nov. 20th, 2009

- 2009 Mountain Hero Award for Excellence in Conserving Mountain Environments presented at The Cosmos Club on, October 22, Washington, D.C.
- 2009 Honorary Doctorate of Science Degree, Northwestern University, Spring Quarter
- 2009 Honorary Doctorate of Science Degree, Colgate University, Spring Quarter
- 2009 The David R. Brower Conservation Award (Lonnie Thompson & Ellen Thompson) for Outstanding Service in Mountain Conservation February 21, Golden, CO
- 2008 Dan David Prize in Geosciences
- 2008 International Glaciological Society, The Seligman Crystal
- 2008 Time International Magazine, Environmental Hero
- 2008 Lifetime honorary member of the Geological Society of Peru, July 10, 2008
- 2008 Elected to the Board of Directors Andean Mountain Museum, Lima, Peru
- 2007 International Glaciological Society, The Seligman Crystal
- 2007 Alumni Medalist Award, The Ohio State University
- 2007 U.S. Medal of Science
- 2007 Chinese Academy of Sciences, *Einstein Lecturer 2007*
- 2007 Elected, OSU Sphinx Chapter Senior Member
- 2007 Roy Chapman Andrews Society, *2007 Distinguished Explorer Award*
- 2006 Elected member of *American Philosophical Society*
- 2006 Epsilon of Ohio, Elected Alumni member of *Phi Beta Kappa*
- 2005 Elected Member of *The National Academy of Sciences*
- 2005 *Tyler Prize*, The World Prize for Environmental Achievement
- 2005 Elected *Fellow* of the American Association for the Advancement of Science
- 2005 Co-director of Academics, Tibetan Plateau Research Institute, Beijing, China
- 2004 Commencement Speaker: Winter Quarter, 2004, The Ohio State University, "Lessons from the Mountains"
- 2004 Phi Kappa Phi, inductee
- 2002 Dr. A.H. Heineken Prize for Environmental Science, Royal Netherlands Academy of Arts and Sciences
- 2002 The Common Wealth Award for Science and Invention
- 2002 *University Distinguished Professor Award*
- 2002 *Vega Medal*, Swedish Society for Anthropology and Geography
- 2002 John Marshall Medal for Civic Responsibility, Marshall University
- 2002 Highlighted in *Science*: "Ice Man: Lonnie Thompson Scales the Peaks for Science" by Kevin Krajick, October 18, 2002 issue
- 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

- 2014 Co-Chair and Organizer of the 5th Third Pole Environment Workshop (with Yao Tandong, Volker Mosbrugger). Third Pole Environment: The Dynamics and Global Linkages, December 7-11, Max-Planck-Gesellschaft, Berlin, Germany.

- 2014 Elected member of Scientific Committee for the Chinese Academy of Sciences Strategic Priority Programme (B) entitled “Tibetan Multiple Spheres Interactions and their Resource-Environment Significance (TIMI), Beijing, China.
- 2014 Member of International Review on Science and Technology, Ministry of Science and Technology of China. Challenges and Opportunities for China Brought by New Trends in Global Science and Technology Development. January 17, Beijing, China.
- 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)
- 2009 Chair, National Academy of Sciences, Selection Committee for the 2009 Mary Clark Thompson Medal
- 2007 Chair, NSF “Post-ESH Research,” March 29-30th. Washington, D.C. To create a new NSF paleoclimate program and funding plan
- 2007 Chair for Academic Program Review, Laboratory of Tree-Ring Research, March 20-21st, University of Arizona
- 2006-09 Member, National Research Council’s (NRC) Climate Research Committee of the National Academy of Sciences
- 2006-07 Member, Advisory Board, for Climate, Water and Carbon Initiative, OSU
- 2005 Chairman: External Review Committee for the Environmental Sciences Graduate Program in the School of Natural Resources
- 2005 Chief Editor: International Glaciological Society: International Symposium on High-Elevation Glaciers and Climate Records. Lanzhou, China. September 5-9
- 2005-10 Executive Review Committee for the Canadian Polar Climate Stability Network
- 2004-05 Canadian Foundation for Climate and Atmospheric Sciences (CFCAS) Review Committee
- 2003 Climate Change Data and Detection Proposal Review Panel. Washington D.C. December 16-17
- 2001-04 Science Advisory Panel for the Climate Change Data and Detection (CCDD) Program, NOAA Climate and Global Change (C&GC) Program
- 1996+ 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
- 1996+ WCRP-CLIVAR Scientific Steering Group PAGES-CLIVAR Joint Working Group
- 1995+ NSF AMS External Advisory Committee for Purdue University
- 1995-99 NOAA National Panel on Climate and Global Change
- 1995-98 PAGES- Pole Equator Pole I Steering Committee
- 1995-98 PAGES-Pole Equator Pole II Workshop: The Austral-Asian transect. Invited 1996
- 1988-95 National Research Council, U.S. National Committee for the International Union for Quaternary Research (USNC/INQUA)

1986-89 Member, U.S. Ice Core Working Group

Editorial Boards (current)

2012+ Technology and Innovation Proceedings of the National Academy of Inventors

Editorial Boards (past)

- 2011 Technology and Innovation Proceedings of the National Academy of Inventors, Cognizant Communication Corporation, New York, Sydney, Tokyo.
- 2007 American Association for the Advancement of Science
- 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*

Research Expeditions (59 total)

- 2014 Field team leader of 6 member brief follow-up expedition to the Northwall Firn, Papua, Indonesia, August 9 to August 19.
- 2013 Field team leader of 26 member expedition on reconnaissance program to the Zangser Ice Cap, in west central Tibet, May 20 to June 20.
- 2011 Co-team leader of 20 member expedition to Ortles expedition to Italian Alps to drill ice core, September 14 to October 11.
- 2011 Field team leader of 11 member expedition to Quelccaya, Peru, June 30 to July 17.
- 2010 Field team leader of 20 member expedition to drill the remaining ice fields of Puncak Jaya, Papua, Indonesia May 4th to July 5th.
- 2009 Field team leader 40 member team drill ice cores from col between Hualcán and Copa in the Cordillera Blanca, Peru and to the Quelccaya ice cap, Peru June 22 to August 30, 2009.
- 2009 Field reconnaissance program to New Guinea May 9 to May 21 for 2010 ice core drilling program
- 2009 Field reconnaissance program to Andes of Peru set up logistics for summer 2009 drilling program in the Cordillera Blanca, Peru. April 18 to 28, 2009.
- 2008 Field team leader: Expedition to Quelccaya and Hualcán ice field in the Andes of Peru, June 13 to July 14, 2008
- 2007 Field team leader: Quelccaya Ice Cap in southern Peru and the Cordillera Blanca in northern Peru, June 15 to July 16, 2007.
- 2006 Field team leader of 25 member team expedition to collect ice cores from Naimona'nyi glacier in the Himalayans, September 9 through November 1, 2006.
- 2006 Field team leader of 20 member team to collect groundwater samples and aerial photos of Kilimanjaro, January 6 to February 6, 2006.

- 2006 Field team leader of 8 member team expedition to Quelccaya Ice Cap in the Andes of Peru, July 7 through August 1, 2006.
- 2005 Field team leader of 12 member team to collect plants, photograph the Qori Kalis glacier, sample the 2004-2005 snow accumulation as well as to raise the satellite linked weather station on summit of the Quelccaya ice cap.
- 2004 Field team leader of 20 member team exploring in preliminary investigation of the Naimona'nyi ice fields in Southwestern Himalayas from August 11 to September 15.
- 2004 Field team leader of 14 member team filming and conducting research on the Quelccaya ice cap, Peru. July 3 to July 25th, 2004.
- 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 13 to September 10, 2003.
- 2002 Field team leader of 5 member expedition to conduct ice core drilling and mapping on Quelccaya ice cap, Peru. July 20-August 6, 2002.
- 2002 Field team leader of 10 member expedition to conduct ice core drilling on Bona-Churchill, Alaska, April 30-June 15, 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 from September 10 to November 5th, 2000.
- 1999 Field team leader to Kilimanjaro, Tanzania. Preliminary investigation to determine possible Future deep drilling project. Funded by OSU, February, 1999.
- 1999 Field team leader to Bona-Churchill, Alaska. Preliminary investigation to determine possible future deep drilling project. Funded by OSU, June, 1999.
- 1999 Field team leader of 17 member team to carry out preliminary investigation of Puruogangri Ice Cap central Tibet. Funded by the Natural National Science Foundation of China. August and September, 1999.
- 1997 P.I. on USA-Russian ice core drilling expedition to Franz Jose Land in the high Russian Arctic. 376 meters of ice core recovered and returned to Ohio State University on this NASA funded project.
- 1997 Field team leader USA-Bolivian-French ice core drilling program on the 6550 meter (21,500 ft.) Volcano Sajama, 308 meters of ice core recovered and returned to Ohio State University on this NOAA funded project.
- 1997 Field team leader USA-Chinese ice core drilling program on the 7200 m (23,500ft) Dasuopu Glacier in the Himalayas. 476 meters of ice core recovered and returned to Ohio State University of this NSF funded project.
- 1996 Field Leader on NSF Dasuopu expedition July 5 to Sept. 10, 1996. Fifty meters of ice cores drilled from the 7090 meter (23,260 ft.) Summit of Dasuopu. 18 meters firm core returned frozen from Tibet. Cores Highest ever drilled: Ice thickness maximum measured 350 meters.
- 1994 U.S. Team Leader, 1 month joint USA-Bolivia-French expedition to Laguna Colorado and to recover ice cores from Sajama, Bolivia.

- 1994 U.S. Team Leader, 1 month joint Peruvian-USA expedition to Cordillera Blanca, Peru.
- 1994 U.S. Team Leader, 6 week joint USA-Russia-English expedition to Franz Jose Land in Russian Arctic.
- 1993 U.S. Team Leader, two-month joint Peruvian-USA expedition to Cordillera Blanca and Quelccaya Ice Cap, Peru (Hualcán, Huascarán, Pucahirca). Two ice cores were drilled to bedrock on Huascarán.
- 1992 U.S. Team Leader, March, 1992, serviced satellite-linked meteorological stations on Cordillera Blanca.
- 1992 U.S. Team Leader, two-month joint Peruvian-USA expedition to Cordillera Blanca and Quelccaya Ice Cap, Peru (Hualcán, Huascarán, Copap, Pucahirca).
- 1992 U.S. Team Leader, three-month joint China-USA expedition to Guliya Ice Cap, Western Kunlun, China.
- 1991 U.S. Team Leader, two month joint China-USA expedition to Guliya Ice Cap, Western Kunlun, China.
- 1991 U.S. Team Leader, two month joint Peruvian-USA expedition to Cordillera Blanca and Quelccaya Ice Cap, Peru.
- 1990 U.S. Team leader, one and a half month joint USSR-USA climatological/glaciological expedition to Tian Shan and Pamirs, USSR.
- 1990 U.S. Team leader, one and a half month joint China-USA expedition to Guliya Ice Cap, Western Kunlun, China.
- 1990 U.S. Team Leader, one and a half month joint Peruvian-USA expedition to Cordillera Blanca, Peru.
- 1989 U.S. Glaciologist, two and a half month climatological-glaciological program in the Antarctic Peninsula. Program in cooperation with University of Washington and British Antarctic Survey.
- 1988 U.S. Glaciologist, two and a half month climatological-glaciological program in the Antarctic Peninsula. Program in cooperation with the British Antarctic Survey.
- 1987 U.S. Team Leader, three month glaciological-climatological investigation of the Dundee ice cap in China cooperative program with Academia Sinica of China jointly funded by the Office of Climate Dynamics and the Division of Polar Programs, the National Geographic Society and the National Science Foundation of China. Three ice cores drilled- 136, 138, 139 m through the ice cap.
- 1986 Two month glaciological investigation of the Dundee Ice Cap in China cooperative program with Academia Sinica of China jointly funded by the Office of Climate Dynamics and the Division of Polar Programs, the National Geographic Society and the Academia Sinica of China.
- 1984 Three month glaciological-climatological investigation of the Tian Shan glaciers and Dundee Ice Cap in China sponsored by the U.S. National Academy of Science's National Program for Advanced Studies and Research in China and the Academia Sinica of China.
- 1984 Leader, Glaciological program for completion of the Quelccaya Program and preliminary research program in the Cordillera Blanca in Peru.
- 1984 Three month glaciological investigation of the Tian Shan glacier and Dundee glacier in China (NAS grant).
- 1983 Leader, three month Glaciological program on Quelccaya Ice Cap: Two cores drilled, one core 163.4 meters through the Ice Cap. (NSF grant).

- 1982 Leader, Glaciological program on the Quelccaya Ice Cap. (NSF grant).
- 1981 Leader, Glaciological program on the Quelccaya Ice Cap (NSF Grant).
- 1980 Leader, seven-man Glaciological program on the Quelccaya Ice Cap and Huascarán.
- 1979 Leader, twelve-man Glaciological ice core drilling program on Quelccaya Ice Cap, Peru (NSF Grant).
- 1978 Glaciologist, Mt. Kenya, Africa expedition (NSF Grant).
- 1978 Leader, eight-man Glaciological party to Quelccaya Ice Cap, Peru (NSF Grant).
- 1977 Leader, six-man Glaciological party to Quelccaya Ice Cap, Peru (NSF Grant).
- 1976 Leader, six-man Glaciological party to study Quelccaya Ice Cap, Peru (NSF Grant).
- 1974 Glaciologist for four-man party to study Quelccaya Ice Cap, Peru (NSF Grant).
- 1973 Deputy Leader, Byrd Station Strain Net Field Party (NSF Grant). 1973-74.

Research Grants (72 total)

- 2014-17 Co-Principal Investigator, Indian Summer Monsoon Variability Reconstructed from Decadally-Resolved Tibetan Lake Sediments, NSF, EAR-1404819
- 2014-16 Co-Principal Investigator, Past climatic and environmental changes at high elevation in South Tyrol from the Mt. Ortles ice cores during the last centuries, Bolzano (Italy) Dept. of Fire and Civil Protection, 142/2014
- 2012-15 Co-Principal Investigator, Impact of Atmospheric Trace Elements on the Third Pole Glaciers, NSF, AGS-1149239
- 2011-12 Co-Principal Investigator, Climate, ecosystems and human society as recorded in the first ice core extracted from the Tyrolean Alps, NSF, BCS-1060115
- 2010-11 Principal Investigator, 1500 years of summer monsoon variability reconstructed from high-resolution Tibetan lake sediments, NSF, EAR-1023547
- 2009-11 Principal Investigator, Collaborative Research: Development of high-resolution biomass burning records for tropical South America from Andean ice cores, NSF, BCS-0921509
- 2009-10 Principal Investigator, Chapman Conference on Abrupt Climate Change: June 15-19, 200: Columbus, Ohio, NSF, OCE-0928601
- 2008-09 Co-Principal Investigator, Acquisition of an Inductively Couple-Sector Field Mass Spectrometer to Extract Atmospheric Trace Element Histories from Ice Cores and Assess Contemporary Water Quality, NSF, ANT-0820779
- 2008-11 Co-Principal Investigator, Climate Water Carbon Core Project: Low-latitude glacier retreat, OSU Targeted Investment in Excellence
- 2008-11 Principal Investigator, P2C2--reconstructing tropical pacific climate variability and monsoon systems, and abrupt changes from ice cores on Irian Jaya, Indonesia and Hualcán, Peru, NSF Div Atmospheric Sciences, ATM-0823586
- 2008-11 Co-Principal Investigator, Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multi-Disciplinary Approach - Cryosphere and Oceans, NSF Polar Programs, ANT-0732655
- 2006-09 Principal Investigator, Integration of paleoclimate records since the Early Holocene from a suite of Tibetan Plateau ice core records, NOAA-CCDD
- 2005-10 Co-Principal Investigator, Science and Technology Center: Ice Sheets and Sea Level Rise, University of Kansas (via NSF), (2200219).

- 2005 Principal Investigator, Kilimanjaro 5 year Glacier Assessment Project, The Ohio State University, College of Math & Physical Sciences
- 2005 The Ohio State University, Byrd Polar Research Center, Cold Room Renovation Project. Funded through a Capital Funding Request, State of Ohio and the Ohio State University.
- 2005-08 Principal Investigator, Reconstructing Monsoon and Climate Variability from Naimona'nyi Ice Cores, Southwest Himalayas. NSF-ESH (ATM-0502476).
- 2005-08 Co-Principal Investigator, Collaborative Research: HSD: The Living Environment and Human Health Over the Millennia, NSF (SBER), (BCS-0527658).
- 2004 Principal Investigator, Naimona'nyi expedition to S.W. Himalayas, The Ohio State University and Institute of Tibetan Plateau Research, Chinese Academy of Sciences.
- 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 of Peru. NSF-ESH (ATM-0318430).
- 2003-06 Co-Principal Investigator, Glacial Assessment: Past, Present and Future: Acquisition of essential research instrumentation, NSF-OPP (OPP-0321053).
- 2002-08 Principal Investigator, Comer Climate Change Fellowship Program, Comer Climate Change Science and Education Foundation (20010582 CC4).
- 2001-05 Principal Investigator; Ice Core Reconstruction of North Pacific Climate Variability and Environmental History from Bona-Churchill Ice Field, Alaska, NSF-ARCTIC (OPP-0099311).
- 2001-05 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 (ATM-0117113).
- 2001-02 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. OSU 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.
- 1999-02 Co-Principal investigator: Collaborative Research: Paleoenvironmental changes in the Bolivian Altiplano: A high-resolution pollen record from the Sajama Ice Cap. NSF-GRSP.
- 1999-00 Principal Investigator: Ice Core Paleoclimate Study of East African Monsoon and ENSO Variability from the Ice Fields of Kilimanjaro. NSF-ESH.

- 1998-02 Spatial and temporal variability of net annual accumulation and climate in Greenland. NASA-NAG5-6817. Principal Investigator - Seasonal to Centennial Climate Variability Reconstructed from
- 1997-00 Two High Elevations Subtropical Glaciers in Bolivia - NOAA.
- 1996-00 Principal Investigator - A Cooperative Ice Core Paleoclimate Study of Monsoon (Dasuopu Glacier, China) B NSF.
- 1996-00 Principal Investigator - 1996 NASA Graduate Research Program (Keith A. Henderson) - NASA.
- 1996-99 Principal Investigator-Thermodynamics of Eurasian Arctic ice caps. U.S. Civ. R&D FDN ISFSU (RG2-144).
- 1995-99 Principal Investigator - Net Accumulation in Western Greenland for the Last 200 Years -NASA.
- 1995-99 Principal Investigator - A Cooperative Paleoclimate Study of Graham Bell Ice Cap, Franz Josef Land, Russia - NASA.
- 1994-97 Co-Principal Investigator - Reconstructing Earth's Volcanic History from High Resolution Polar Ice Cores. NSF (OPP-9321478).
- 1994-96 Principal Investigator - Collaborative Research on Analysis of a High-Resolution Pollen Record from the Dunde Ice Cap of Western China. NSF (SBR-9412262).
- 1994-95 Principal Investigator - Preliminary Assessment of the Paleoclimate Records Preserved in Ice Cores from Franz Josef Land (Russian Arctic) with Emphasis on a Proxy Record for Regional Sea Ice Extent. NASA (NAGW-3933).
- 1994-95 Co-Principal Investigator - Holocene/Late Wisconsinan Dust History from Taylor Dome, Antarctica. NSF (OPP-9316282).
- 1994-95 Principal Investigator - A Cooperative Paleoclimatic Study of the Northern Martian Ice Cap: Evaluation of the Potential Quality, Length, and Time Resolution of the Preserved Environmental Record. Univ. of Cal - Los Angeles (P.O. 0995 G 4B203).
- 1993-95 Principal Investigator - Field Work, saline lakes of the Central Andes, NSF (EAR-9304504).
- 1992-94 Co-Principal Investigator: Long-Term Trend in Net Mass Accumulation at South Pole (OPP-9117447A01).
- 1991-95 Co-Principal Investigator: Analysis of Rapid and Recent Climatic Change (NSF-ATM-9008407-AO2).
- 1991-95 Co-Principal Investigator: Analysis of Rapid and Recent Climatic Change (NSF-ATM-9008407-AO2).
- 1991-94 Principal Investigator: A Cooperative Tropical Paleoclimatic Ice Core Study in the Cordillera Blanca, Peru and its Relationship to Global Climatic Variability, Phase II (NOAA Grant NA-16RCO525-02).
- 1991-94 Principal Investigator: A Cooperative Tropical Paleoclimatic Ice Core Study in the Cordillera Blanca, Peru and its Relationship to Global Climatic Variability, Phase II (NOAA Grant NA-16RCO525-02).
- 1991-94 Principal Investigator: A Cooperative Tropical Paleoclimatic Ice Core Study in the Cordillera Blanca, Peru and its Relationship to Global Climatic Variability, Phase II (NOAA Grant NA-16RCO525-02).

- 1991-92 Principal Investigator: A Cooperative Paleoclimatic Study of the Guliya Ice Cap, China: Relationship to Global Climatic Variability, Phase II (National Geographic Society Grant No. 4522-91).
- 1991-92 Co-Principal Investigator: Quelccaya Data Volume (NOAA Grant 40RAN5107736).
- 1990-96 Ice core retrieval, analysis and interpretation, Guliya Ice Cap, NSF (ATM-89166350).
- 1990-94 Principal Investigator: A Cooperative Climatological Study of the Guliya Ice Cap, China: Relationship to Global Climate Variability (NSF ATM RF-724347).
- 1990-93 Co-Principal Investigator: Climatic Variations in the Asian Monsoon Region from AD 1600: Analysis of High Resolution Paleoclimatic Data (NOAA).
- 1990-93 Principal Investigator: Snow and Ice Process Studies Using Satellite Linked Weather Stations on the High Altitude Tropics of Peru (NOAA Grant NA90AA-D-AC547).
- 1990-93 Principal Investigator: A Cooperative Tropical Paleoclimatic Ice Core Study in the Cordillera Blanca, Peru, and Its Relationship to Global Climatic Variability, Phase I (NOAA Grant NA89AA-D-AC197).
- 1990-92 Principal Investigator: Exploratory Research for U.S.-U.S.S.R. Cooperation in Ice Core Research in the Tian-Shan and Pamir Ranges (RF-723967).
- 1990-91 Principal Investigator: A Cooperative Paleoclimatic Study of the Guliya Ice Cap, China: Relationship to Global Climatic Variability (National Geographic Society Grant No. 4309-90).
- 1988-93 Principal Investigator: A Cooperative Climatological-Glaciological Program in the Antarctic Peninsula (NSF grant OPP-8716384).
- 1988 Co-Principal Investigator: Pollen Analysis on Ice Core Samples from the Dundee Ice Cap, China (OSU Grant).
- 1986-90 Co-Principal Investigator: Holocene Paleoclimatic Reconstruction from Greenland Ice Cores; plus a supplemental request for low-level beta counter system (NSF grant OPP-8520885).
- 1986-88 Principal Investigator: A Cooperative Paleoclimatic Study of the Dundee Ice Cap and its Relationship to Global Climatic Variability (funded jointly by NSF grant ATM-8519794 and The National Geographic Society Grant No. 3323-86).
- 1985 Co-Principal Investigator: Glaciological and climatological analysis of the past 2,000 years from Antarctic ice cores (NSF grant OPP-841-0328A01).
- 1983 Principal Investigator: Paleoclimatic investigations on the Quelccaya Ice Cap, Peru (NSF grant ATM-8213601).
- 1982 Principal Investigator: A cooperative climatological-glaciological program in China (National Academy of Sciences).
- 1981 Co-principal investigator: Microparticle analysis and glaciological interpretation of the 500-m ice core, South Pole, Antarctica (NSF grant OPP8018860).
- 1981 Principal investigator: Comparative Microparticle Analysis of the 385-m J-9 Ice Core, Ross Ice Shelf (NSF grant OPP8016151).
- 1979 Principal investigator: Paleoclimatic Ice Core Records from the Tropical Quelccaya Ice Cap (NSF grant ATM-7821609).
- 1978-79 Principal investigator: Microparticle Stratigraphy of Ice Cores from the Ross Ice Shelf (NSF grant OPP77-19371A01).
- 1976-77 Co-principal Investigator: Study of Microparticle Variations in a 101-meter Ice Core from South Pole, Antarctica (NSF grant OPP76-07745).

- 1974-76 Principal investigator: Further Development of a Micro-particle Laboratory for the Study of Ice Cores (NSF grant OPP74-22274).
- 1974-76 Co-principal Investigator: The Paleoclimate of the Quelccaya Ice Cap, Peru, and Its Relationship to Paleoclimate in High Latitudes (NSF grant ATM74-15513A02).
- 1972-76 Co-principal Investigator: Dust Concentrations in Antarctic and Greenland Ice Cores (NSF grant OPP71-04063-A02).

Publications (includes papers in press, books, and book chapters) (247 total)

- 2014 Donnellan, A., B. Bills, J.J. Green, R. Goulliud, S. Jones, R. Knight, M. Underhill, J. Goguen, E.M. De Jong, A. Ansar, T. Scambos, P. Morin, B. Hallet, L.G. Thompson, A.S. Gardner and J. Ekholm. Studying Mountain Glacier Processes Using a Staring Instrument. *IEEE* (**in press**).
- 2014 Thompson L.G., E. Mosley-Thompson, M.E. Davis, S.E. Porter, D.V. Kenny, P.-N. Lin. Tropical ice cores document two major droughts in the mid-14th and late-18th centuries linked to ENSO variability and societal disruptions. *Proceeding of the National Academy of Sciences* (**submitted**).
- 2015 Thompson, L.G. and A. L. Kolata. Climate, Environment and the History of the Tiwanaku State. Chapter In: *Abrupt Climate Change and Societal Collapse*. ED. Harvey Weiss (**in press**).
- 2015 Fritz Sherilyn C., Bruce E. Brinson, W.E. Billups and Lonnie G. Thompson. Diatoms at greater than 5000 meters in the Quelccaya Summit Dome Glacier, Peru. *Arctic, Antarctic, and Alpine Research* (**accepted**).
- 2015 Uglietti, Chiara, Gabrielli, P., Cooke, C., Vallelonga, P. and Thompson, L. Widespread pollution of the South American atmosphere predates the industrial revolution by 240 years. *Proceedings of the National Academy of Sciences* (**in review**).
- 2015 Zagorodnov, V. and Thompson, L. Thermal electric ice-core drills: history and new design options for intermediate-depth drilling. *Annals of Glaciology* (**accepted**).
- 2015 Thompson, L. and A. Kolata. Climate, Environment, and the History of the Tiwanaku State. Chapter in book edited by Harvey Weiss, Yale University, Oxford Press (**in press**).
- 2015 Urrego, D., H. Hooghiemstra, O. Rama-Corredor and L. Thomspson. Millennial-scale vegetation changes in the tropical Andes explored in search for operating mechanisms. *Climate of the Past* (**in preparation**).
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- 1976 Thompson, Lonnie G. Microparticles, Ice Sheets and Climate.
- 1976 Thompson, L.G. Microparticles, Ice Sheets and Climate. *Ph.D. dissertation. The Ohio State University*: 200.
- 1975 Mercer, J.H., L.G. Thompson, C. Marangunic, and J. Ricker. Peru's Quelccaya Ice Cap: Glaciological and Glacial Geological Studies, 1974. *Antarctic Journal of the U.S.* X.1: 19-24.
- 1975 Thompson, L.G. Microparticle Research at the Institute of Polar Studies. *Antarctic Journal of the U.S.* X.6: 312-313.
- 1975 Thompson, L.G. *Variations in Microparticle Concentration, Size Distribution and Elemental Constituents Found in the Camp Century, Greenland, and the Byrd Station, Antarctica, Deep Ice Cores*: IAHS-AISH Publication.
- 1975 Thompson, L.G., and W. Dansgaard. Oxygen Isotope and Micro-Particle Investigation of Snow Samples from the Quelccaya Ice Cap, Peru. *Antarctic Journal of the U.S.* X.1: 24-26.
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- 1975 Thompson, L.G., and E.M. Thompson. Microparticles from the Byrd Station Deep Ice Core. *Antarctic Journal of the U.S.* X.2: 48-50.
- 1974 Thompson, L.G. Analysis of the Concentration of Micro-Particles in Ice Cores from Camp Century, Greenland, and Byrd Station, Antarctica. *Antarctic Journal of the U.S.* IX.5: 249-250.
- 1974 Whillans, I.M., and L.G. Thompson. Byrd Station Strain Network. *Antarctic Journal of the U.S.* IX.4: 167-168.
- 1973 Thompson, L.G. Analysis of the Concentration of Micro-Particles in an Ice Core from Byrd Station, Antarctica. *The Ohio State University Research Foundation, Institute of Polar Studies Report* 46: 43.
- 1973 Thompson, L.G., W.L. Hamilton, and C. Bull. Analysis of the Concentration of Microparticles in the Long Ice Core from Byrd Station. *Antarctic Journal of the U.S.* VII.6: 340-341.

Other Publications (Book Reviews and other special Collaborations for General Public)

- 2015 *Down to Earth with Glaciologist Lonnie Thompson*. Article in EARTH Magazine, February, 2015, www.earthmagazine.org, pgs. 54-56.
- 2014 Time Magazine Special Edition: *Great Scientists: The Geniuses, Eccentrics and Visionaries Who Transformed Our World*. p. 68.

- 2014 Dispatch Intergovernmental Panel on Climate Change report release comments in story: *Global warming heads 'out of control'*. Story by Dean Narciso. Columbus Dispatch, April 1, Columbus, OH.
- 2013 *National Geographic* article, Why We Explore and The New Age of Exploration. Risk Takers, January, pgs. 62-63.
- 2012 Uglietti, C., P. Gabrielli and L.G. Thompson. Recent environmental change as recorded by Andean ice-core glacio-chemistry. OSU International Affairs Posters, Bricker Hall, The Ohio State University, Columbus, OH.
- 2012 Science Technology Innovation event at COSI focusing on the most recent 100 years and the 200th anniversary of Columbus, OH. Ice core drills, core boxes, and other materials from OSU BPRC ICPRG on display.
- 2010 Life and Death in a Dry Land (Peru's long-term survival depends on water from the glaciers of the high Andes, the problem is that all that ice will soon be gone). By George Black, *On Earth Magazine*.
- 2009 200+ newspaper articles published in the first 24 hours after publication of the 2009 *Proceedings of the National Academy of Sciences* paper, *Glacier loss on Kilimanjaro Continues Unabated*.
- 2006 *Mystery in the Ice: What Happened 5,200 Years Ago? Freezing Point*, by John Fleischman, *COSMOS*, Issue 8, May, p. 72-75.
- 2006 *Mountains of Evidence*, by Larry C. Peterson. This was a book review by Feorg Hoffmann on *Thin Ice: Unlocking the Secrets of Climate Change in the World's Highest Mountains*. Appeared in *American Scientist*, 94, p. 276-277, May-June.
- 2006 *Spurensuche in der Todeszone* by Hilmar Schmunt. *Der Spiegel*, April, pp. 126-129.
- 2005 The Ice Man Cometh, Interview by Fred Pearce. *New Scientist*, 2527, p. 46-48, November 26th.
- 2005 The Ice Hunter part of the article entitled, "Warriors and Heroes Against Global Warming," *Rolling Stone Magazine*, p. 92, November 17th.
- 2005 Peaks in Climate Change Research. This was a book review by Feorg Hoffmann on *Thin Ice: Unlocking the Secrets of Climate Change in the World's Highest Mountains*. Appeared in *Nature*, 438, p. 157.
- 2005 Ice Adventures: Tracking Evidence of Abrupt Climate Change across the Tropics, University of Texas, Austin. Outreach Lecture Series GK-12 Program, Vol. 36, April 15th.
- 2005 *Thin Ice: Unlocking the Secrets of Climate in the World's Highest Mountains*, by Mark Bowens. Henry Holt and company LLC, New York, NY. 463 pp.
- 2004 *National Geographic Magazine*: September, 2004; Global Warning, Bulletins from a Warmer World.
- 2004 *National Geographic Adventure Magazine*: August, 2004; The Vanishing World of Lonnie G. Thompson
- 1998 *National Geographic Magazine*: May, 1998 Our Changing Climate
- 1998 *Natur & Vetenskap*: (in German) 3/98 p. 11: Story of Dasuopu expedition, China
- 1998 *Time*: 2/16/98 The Fury of El Nino by Madeleine Nash
- 1998 *Natural History Magazine*: 2/98 (Lead story) Thompson's Ice Corps by: Mark Bowen pp.28-41
- 1996 *Earth*: 10/96 Tropics on Ice. By John Fleischman. pp. 38-46.

- 1997 *Chemical and Engineering News*: (Cover issue on Global Warming): Climate Observations Substantiate Global Warming Models by Bette Hileman pp. 18-23.
- 1995 *Earth*: Winter in Paradise by Keay Davidson (Overview of the Huascarán ice core records). pp. 20-60.
- 1996 *Discover*: December 1996: In Deep Water by Robert Kunzig pp. 86-95.
- 1996 *Earth*: The Science of Our Planet February 1996 issue: (Earth Beat)

Television Appearances/Productions and Related Public Outreach

- 2014 Invited showing of the WOSU Network's *Ice Core Research and Preservation* and NOVA Now's, *The Life and History of Lonnie Thompson and the Paleoclimate Ice Core Group* at The Ohio State University, School of Earth Sciences Mini Symposium, Nov. 13, Columbus, OH (50 people).
- 2014 Panelist for the Q&A for the film *Chasing Ice* by Jeff Orlowski at the Columbus Metropolitan Library, Nov 12, Columbus, OH (75 people).
- 2014 Screening of the Ethan Steinman Film entitled *Glacial Balance* and participation in the Q&A. Koshland Museum, Nov. 6, Washington, DC. (150 people).
- 2014 WCMH NBC 4 evening news. Interview at the Ohio Statehouse on climate change, Columbus, OH, March 18.
- 2014 NBC program, *Matters of the Heart*, WCMH Channel 4. Columbus, OH. Feb.27.
- 2013 CBC Broadcasting (Canadian), *Ice Cores, Climate Change and People*. Aug.8
- 2012 NTN24 International News Channel for Latin America, the Caribbean, U.S. and Europe, part of discussion on sea ice, why it is shrinking in the Arctic and growing in the Antarctic. Oct. 25th.
- 2012 WBTE Public Television, Knowledge Stream, live stream of Invited Public Lecture at Toledo Zoo's Museum of Science Climate Change Symposium, *Global Climate Change: An Inconvenient Truth meets the Inconvenienced Mind*, Oct. 31st, Toledo, OH.
- 2012 Attendance at the OSU First Year Experience Program Leadership Collaborative event at NorthPointe Conference Center in Lewis Center, OH. Opportunity for students to meet with OSU faculty and staff. Aug. 8th.
- 2012 ABC's Pacific Mornings, Radio Australia, discussing the Papua, Indonesia New Guinea ice fields. Oct. 1st.
- 2012 *CNN International*, Interview with Christine Amanpour, The glacier evidence for climate change, New York, NY, July 31st.
- 2012 *New York Times*, A Climate Scientist Battles Time and Mortality: Overview of Lonnie G. Thompson's life accomplishments and battle with congestive heart failure. Front page story, July 3rd.
- 2012 *Science Café*, Knoxville Tennessee, showing of NOVA NOW, Documentary on Tropical Glacier Research and L.G. Thompson. Show was followed by 1 hour of questions and answers via Skype.
- 2011 *Oneworld* magazine, published by the Natural Resources Defense Council, Life and Death in a dry land: Peru's long term survival depends on water from the glaciers of the high Andes. The problem is that all of the ice will soon be gone. By George Black, pg. 27-42, Winter issue.
- 2011 Film, *Civilizations Lost*, The History Channel, December

- 2011 CIRMOUNT (Consortium for Integrated Climate Research in Western Mountains), Climate Records from Ice Cores Drilled in Papua, New Guinea, Vol. 5, No. 2, Autumn 2011 issue.
- 2011 *Melting Mountain Glaciers*, NBC Learn, air date March 18th.
- 2009 *Glacier Balance: Creeping Normalcy*, Charging Bull Films, Argentina. Filmed on Hualan and Copa during 2009 Cordillera Blanca drilling season, to air in 2010.
- 2009 *Against All Odds*, a documentary of the history and contributions of Lonnie Thompson and his research team. PBS will air in 2010.
- 2009 *Climate and Civilization: A Documentary*. Series under production by Climatic Productions/Cream Productions, Toronto, Ontario, will be distributed in 2010.
- 2009 *Chasing Glaciers*, a feature length documentary for theatrical, DVD and online distribution filed on November 21st by the Matter Group, will be distributed in 2010.
- 2009 *Hot Cities: Meltdown*, filmed during the 2009 Hualcán-Copa expedition, aired by BBC on November 14th
- 2009 *2012: Countdown to Armageddon*, filmed by National Geographic Channel during 2009 Quelccaya expedition, aired on PBS and National Geographic Channel on November 8th
- 2009 NOVA Now - *The Life and History of Lonnie Thompson and the Paleoclimate Ice Core Group at The Ohio State University* aired on PBS July 28, 2009.
- 2008 Pioneer Productions; *A Global Warning?* The History Channel.
- 2008 Flight 33 Production Discovery Channel on the 5,200 year abrupt climate change.
- 2008 Japanese TBSL Production 1 hour special on Tropical ice cores and Kilimanjaro.
- 2008 *Challenges of Global Warming*, 1 hour interview NHK Japanese Public Television
- 2008 German Public television on Global Meltdown.
- 2008 PBS Jean-Michel Cousteau Ocean Adventures *Return to the Amazon*.
- 2008 Frontline 2 hour special on climate and energy entitled: *Heat*.
- 2008 Jean-Michel Cousteau Ocean Adventures: *Return to the Amazon*. Two Hour PBS/KQED TV (Northern California Public Broadcasting).
- 2008 TreeHugger Interview: *Lonnie Thompson, Glaciologist and Climate Change Warrior* (May).
- 2008 DVD Society of Environmental Journalist and the Metcalf Institute for Marine and Environmental Reporting entitled, *New Executives Roundtable: Covering Climate Change*, Stanford University.
- 2008 Discovery Channel Special on the 5,200 year Abrupt Climate Event: "*Biblical Mysteries Explained*"
- 2008 *Global Warming and the Ohio State University Paleoclimate Ice Core Research*, a one hour special to air on NHK Japan Broadcasting Corporation.
- 2008 *Global Warming impact on Glaciers and People of Peru*. Planetwatch. UK Special.
- 2008 Neil Katz, CBS News, *Global Warming and Glacier Retreat in the Peruvian Andes*.
- 2008 Peruvian Press: Whole page in El Comercio on glacier and ice core research in the Andes of Peru entitled, *El Defensor de los Glaciares* June 18, 2008 and Somos Magazine page 36-42, entitled, *Guardian del Hielo*.
- 2007 Open Line Host Fred Andriele 10:00-11:00am, December 5, WOSU radio
- 2007 *Habitable Planet: A Systems Approach to Environmental Science*. Annenberg Channel Broadcast November 20th, Annenberg Media, A Harvard-Smithsonian Center Production

- 2007 *A Global Warning*, History Channel, November 11th, Pioneer Productions, Voyager House London, UK.
- 2007 NBC Nightly News, *Glaciers & Water* - September
- 2007 PBS, Europe, *Climate, Glaciers and Water*
- 2007 NOVA, Focus on career of Lonnie Thompson, September
- 2007 Frontline, Business & Climate
- 2007 Cousteau, Inc. *Revisiting the Amazon River 25 years later* - December
- 2007 CNN Morning Show with Miles O'Brien, aired on January 28th in advance of IPCC release on February 2.
- 2006 IMAX Film: *The Ice Age*, Science Advisory Board.
- 2006 Al Gore Film: *An Inconvenient Truth* to be released in late April. Science Advisory Board.
- 2005 60 Minutes, *Meltdown*, 15 news reports on the science of ice core research and retreating glaciers. Featured Lonnie's Ice Core Group and in field interview with Lonnie on the Athabasca Glacier in Canada. Aired on September 4, 2005.
- 2005 American Association for the Advancement of Science briefing to the U.S. Congress. *The Present Impacts of Climate Change*, May 4, 2005
- 2005 CNN - Presents: Global Warming: One hour special, March 2005.
- 2005 BBC - Horizon: The Lost Civilization of Peru, March, 2005.
- 2005 Production Climate change and loss of the tropical glaciers: American Natural History Museum production to show in 2005 in New York Natural History Museum as well as 20 museums around the world
- 2004 The Byrd Polar Research Center and The John Glenn Institute for Public Service and Public Policy. April 21
- 2004 Bownocker Lecture series along with the Department of Geological Sciences
- 2004 Facilitator and Host for former Vice President Al Gore's lecture 62nd Annual
- 2004 Weather Channel: Climate Change documentary. Filmed: January 29-30
- 2003 BBC Film on Climate and History: Aired in U.S. on Discovery Channel on October 19
- 2002 National Geographic Channel: Science Times: Kilimanjaro's Vanishing Ice, March
- 2001 CNN presents America's Best Science and Medicine, August
- 2001 *Science*, March 2, volume 291. The biggest Science news story to come out of The Ohio-State University, as measured by TV, newspaper and magazine coverage. CNN, CBS, NBC, BBC etc.
- 2001 AAAS paper: Disappearing Glaciers: Evidence of a Rapidly Changing Earth. The dramatic findings, splashed on the front pages and the evening news, may spur policy makers and the public far more than abstract warnings of climate trends, says Will Steffen, Director of the International Geosphere-Biosphere Program in Stockholm, Sweden.
- 2000 *Science*, September 15th, paper: A High-Resolution Millennial Record of the South Asian Monsoon from Himalayan Ice Cores. Thompson L.G. et al., 289, 1916-1919. (*Chosen as one of the Top 50 Discoveries by Discover for the year 2000*)
- 2000 National Geographic/PBS documentary: *Sunstorms*, May 23
- 1999 ABC special *Storms* filming at The Ohio State University, January
- 1999 A & E Television special *Global Warming* with filming in Peru and The Ohio State University, August 1999, *Investigative Reports: Earth in the Hot Seat!*

- 1998 *Science Frontiers* Ends of the Earth--Climatic Catastrophe, Oct. 28, 1998: Featuring OSU ice core research
- 1998 *El Nino*, The Learning Channel
- 1998 *Climatic Chaos*, Nova 1998
- 1998 *Peter Jennings's Reporting*, 4/11/98, Global Warming: The Science and Politics

Invited Lectures/Meetings/Outreach for General Public

- 2014 Invited Lecturer(s) (with Ellen Mosley-Thompson), for the U.S. Chief of Naval Operations Strategic Studies Group. Naval War College (via Skype), November 18, Newport, RI (35 people).
- 2014 Lecturer to Breakfast of Science Champions and tour guide for high school students from Central Ohio on November 13, Columbus, OH (60 people).
- 2014 Invited Lecturer at Climate Change, Health and Water Issues Workshop on Climate, Security, Health and Resilience Initiative (CSHR). Climate, ENSO and Black Swans over the last 1000 Years. Biomedical Research Tower, The Ohio State University, Nov. 4, Columbus, OH (51 people).
- 2014 Invited Lecturer at Climate Change Symposium. *Global Climate Change: Glaciers and People*. Toledo Zoo, Indoor Theatre, Museum of Science, October 29, Toledo, OH (300 people).
- 2014 Invited Lecturer for the Church of the Messiah's Forum. *Global Climate Change: The Evidence and Our Options*. United Methodist Church, October 26, Westerville, OH, (40 people).
- 2014 Invited Lecturer for the New Horizons in Science, Science Writers Conference. *El Niño and Human History: The Record Written in Tropical Ice Cores*. Hilton Downtown, Columbus, OH, (150 people).
- 2014 Invited Lecturer for the Engineers for Sustainable World, 2014 Regional Conference. *Global Climate Change: The Evidence, Options, and Importance of Sustainability*. Drake Performance and Event Center, The Ohio State University, October 11, Columbus, OH, (100 people).
- 2014 Invited discussion participant at Indianola Informal K-6 School. Discussion with teachers and parents of the screening of Ethan Steinman's *Glacial Balance* and climate change research and education of students, April 26, Columbus, OH, (25 people).
- 2014 Invited to give the Arthur Mirsky Lecture. *Climate Change: Glaciers, Ice Cores and Options*, Indiana University-Purdue University, April 24, Indianapolis, IN. (200 people).
- 2014 Invited to international workshop for the Development of Ice Core Program for Himalayan Glaciers, Bangalore, India. Divecha Centre for Climate Change, April 11, Bangalore, India (20 people).
- 2014 Invited to Divecha Centre for Climate Change, Indian Institute of Science to give the 5th Grantham lecture on Climate Change, *Global Climate Change: A perspective from the past climate in the world's highest mountains*, April 9, Bangalore, India. (200 people).
- 2014 Invited Lecturer for Sigma Xi Chapter at the University of Dayton. *Climate Change from Glaciers and Ice Cores and our Options*. Science Center, University of Dayton, April 3, Dayton, OH, (150 people).

- 2014 Invited Lecturer for Climate Change, Glaciers, People and Impacts on Natural Resources program. *Climate Change, The Evidence and Our Options*. Environmental Education Council of Ohio, Deer Creek Lodge and Conference Center, March 27, Mt. Sterling, OH, (70 people).
- 2014 Invited Lecture. *Global Crisis: A Paleoclimate Perspective*. Mershon Center for International Security Studies, The Ohio State University, March 19, Columbus, OH (40 people).
- 2014 Invited Lecture as part of former Rep. Bob Inglis visit. *The State of the Climate: Global Climate Change: The Evidence and Our Options*, The Ohio Statehouse, Columbus, OH, March 18. (80 people).
- 2014 Invited Lecture. *Climate Change: The Evidence, People and Our Options*. The Clay Center, Charleston, WV, March 10 (~750 people).
- 2014 Invited talk. *Climate Change, "Black Swans" and People*. STEAM Factory of The Ohio State University, January 23, Columbus, Ohio, (40 people).
- 2014 Invited Lecture. "Black Swans", Climate and Health, Institute of Tibetan Plateau Research. January 19, Beijing, China (120 people).
- 2014 Invited Lecture. International Workshop on Science and Technology, Ministry of Science and Technology of China. *Challenges and Opportunities for China Brought by New Trends of Global Science and Technology Development*. January 17, Beijing, China. (100 people)
- 2013 Invited Lecture. *Researching Climate Change: Glacier Balance with Dr. Lonnie Thompson*, COSI, December 5, Columbus, OH (150 people in attendance)
- 2013 Winterscape: Glacier Balance Panel with Ethan Steinman. Wexner Center for the Arts, Ohio State University, December 3, Columbus, OH (275 in attendance)
- 2013 Invited Lecture for the Columbus Audubon. *Glaciers, People and Global Climate Change*, Grange Insurance Audubon. November 19, Columbus, OH (200 + in attendance)
- 2013 Invited Lecture for the Garden Club of the Ohio Environmental School. *Global Climate Change: The Evidence and Our Options*, Cincinnati Zoo. November 16, Cincinnati, OH (25 senior students in attendance)
- 2013 Invited Lecture for the Sagan National Colloquium, *Climate Change: The Evidence and Our Options*, Hamilton-Williams Campus Center, Ohio Wesleyan University. November 12, Delaware, OH (300 + people in attendance – no standing ovation)
- 2013 Invited Lecture, *Climate Change: The Evidence, People and Our Options*, Walter Hall Rotunda, Ohio University. November 6, Athens, OH (300 + people in attendance – standing ovation)
- 2013 Invited Lecture for Representative Mike Foley with 7 State Republican district members and 7 State Democrat district members. *Global Climate Change: Glaciers, People and Options*, Gressos, German Village. October 30, Columbus, OH
- 2013 Keynote Speaker at the Pardee Symposium. *Earth's Climate History as Recorded in Glaciers and Ice Caps on the World's Highest Mountains*, The 125 Years of Exploration and Geosciences with GSA and National Geographic Society. Geological Society of America annual meeting. October 27, Denver, CO (300 in attendance)
- 2013 Invited Lecture for the Ohio Interfaith Power and Light: A Religious Response to Climate Change, *Between Heaven and Earth: Faithfully Responding to Climate Change*.

- Trinity Lutheran Seminary & Bexley Seabury Seminary. October 24, Columbus, OH (92 in attendance)
- 2013 Invited Lecture for the Climate Science Symposium, *Earth's Climate History as Recorded in Glaciers and Ice Caps on the World's Highest Mountains*, University of Massachusetts, Amherst. October 19th (100 in attendance)
- 2013 Presentation at the 7th Annual ENERGY STAR Certified Homes Utility Sponsor Meeting, *Climate Change: Glaciers, People and Options*, School of Earth Sciences and Byrd Polar Research Center, The Ohio State University. October 16, Columbus, OH (90 in attendance)
- 2013 Presentation at the 2013 International Symposium Asia-Pacific Space Geodynamics, *Earth's Climate History from Glaciers and Ice Core*, School of Earth Sciences and Byrd Polar Research Center, The Ohio State University. October 14th, Columbus, OH (60 in attendance)
- 2013 Evening Lecture, *Climate Change: Glaciers, People and Options*. McCoy Community Center for the Arts. October 7th, New Albany, OH (200 in attendance)
- 2013 Presentation at the McCoy Center for the Performing Arts, *Climbing Your Mountains*. October 7th, New Albany, OH (550 8th and high school students in attendance)
- 2013 Invited Lecture for Experimental Station Committee on Organization and Policy (ESCAP), 2013 ESS/SSES/ARD Meeting and Workshop. *Global Climate Change: Glaciers, Water and People*, Hilton Columbus at Easton. Sept. 24, Columbus, OH (70 U.S. Agriculture Deans in attendance)
- 2013 Invited Lecture for the Ohio-Kentucky-Indiana Regional Council of Governments, *Climate Change: The Evidence and Our Options*, Aug. 16th, Cincinnati, OH (70 in attendance)
- 2013 Invited Lecture for the Adult Enrichment Program Committee, *Climate Change: The Evidence and Our Options: An Inconvenient Truth Meets an Inconvenient Mind*, First Unitarian Universalist Church, Aug. 11, Columbus, OH (60 in attendance)
- 2013 Invited Lecture for the Athletic Club of Columbus, *A Dialogue on Climate Impacts and Opportunities in Ohio*, Aug. 6th, Columbus, OH (145 in attendance)
- 2013 Keynote Speaker for International Glaciological Society, *Large-Scale Teleconnections as Recorded in Climate Records of Low-to Mid-Latitude Mountain Glaciers*, Institute of Tibetan Plateau Research, July 29, Beijing, China. (190 in attendance)
- 2013 Invited Lecture for the Columbus Rotary, *Glaciers, People and Global Change*, June 24th, Columbus, OH. (80 in attendance)
- 2013 Peru Night at Byrd Polar Research Center, *Glaciers, Water & People: Exploring Climate Change in Peru*, Byrd Polar Research Center, April 23, Columbus, OH. (90 in attendance)
- 2013 Invited Lecture for the American Polar Society 75th Anniversary, *Earth's Climate History from Mountain Glaciers and Ice Cores*, American Polar Society, April 16th, Woods Hole, MA. (100 in attendance)
- 2013 Presentation of the Honorary Membership for Life in the American Polar Society Medal, *Glaciers, People and Global Climate Change and Climbing Your Mountains*, Research Day 2013 Cleveland State University, April 12th, Cleveland, OH. (300 in attendance)
- 2013 4th Third Pole Environmental Workshop, *Earth's Climate History from Glaciers and Ice Cores*, April 1st, Dehradun, India. (300 in attendance)

- 2013 Invited Lecture for the Environmental Law Association, *Climate Change, Evidence, People and Options*, Moritz College of Law, The Ohio State University, March 25th, Columbus, OH. (25 in attendance)
- 2013 Climate Conversation at The Ohio State University, *Global Climate Change, Glaciers and People*, Sierra Club, The Ohio State University, March 23rd, Columbus, OH. (90 in attendance)
- 2013 Kavil Foundation Special Session, *Earth's Climate History from Glaciers and Ice Cores*, American Physical Society, March 20th, Baltimore, MD. (2000-3000 in attendance)
- 2013 Invited Lecture, *Climate Change: The Evidence and Our Options: An Inconvenient Truth Meets and Inconvenient Mind*, St. John's Evangelical Protestant Church, Feb. 25th, Columbus, OH. (90 in attendance)
- 2013 Invited Lecture for the Soil and Water Conservation Society, *Global Climate Change: Glaciers, Agriculture and People*, Feb. 6th, Columbus, OH (60 in attendance)
- 2013 Invited Lecture, *Climate Reconstruction from Mountains and Ice Cores*, Institute of Tibetan Plateau Research, Jan 20th, Beijing, China (60 people in attendance)
- 2013 Invited Lecture, *Climate Reconstruction form Mountain Glaciers and Ice Cores*, Institute of Tibetan Plateau Research, Jan 19th, Beijing, China (80 in attendance)
- 2012 Invited Lecture for Water Management Association of Ohio's Fall Conference, *Climate Change: Glaciers, Water and People*, Quest Business & Conference Center, Nov. 15th, Columbus, OH. (120 in attendance)
- 2012 Invited Public Lecture, the Toledo Zoo Museum of Science Climate Change Symposium, *Global Climate Change: An Inconvenient Truth meets the Inconvenienced Mind*, Oct. 31st, Toledo, OH. (250 in attendance)
- 2012 Mini-Symposium on Water and Climate, *Global Climate Change, Glaciers and People*, Division of Climate, Water and Environment, School of Earth Sciences, The Ohio State University, Oct. 19th, Columbus, OH. (60 in attendance)
- 2012 Invited Public Lecture, OSU College of Arts and Sciences, *People and Global Climate Change (An Inconvenient Truth Meets An Inconvenient Mind)*, U.S. Bank Conference Theatre at The Ohio Union, Oct. 14th, Columbus, OH. (100 in attendance)
- 2012 Invited Lecture for the Earth and Atmospheric Sciences Department at Cornell University, *Global Climate Change, Glaciers and People*, Oct. 11th, Ithaca, NY. (100 in attendance)
- 2012 OSU Climate Change Webinar Series, *Glaciers, People and Options*, The Ohio State University via webinar, Oct. 3rd, Columbus, OH. (170 in attendance)
- 2012 Invited lecture for Upper Arlington, Ohio Progressive Action (UAPA), *Glaciers, People and Options*, Upper Arlington Public Library, Sept. 25th, Upper Arlington, OH. (100 in attendance)
- 2012 OSU's Evolution, Ecology and Organismal Biology Autumn 2012 Colloquium, *Climate Change: The Evidence and Our Options*, 420 Arnoff Laboratory, OSU Campus, Sept. 13th, Columbus, OH. (200 in attendance)
- 2012 Presentation to the OSU Richard M. Ross Hospital Board with Dr. Robert Higgins, *Your Heart is in the Right Place*, Ross Heart Hospital, Aug. 20th, Columbus, OH. (25 in attendance)

- 2012 Keynote Speaker for the Association for Behavior Analysis International meeting, *The Greatest Challenge of Global Climate Change*, U.S. Bank Conference Theater, The Ohio State University, August 3rd, Columbus, OH. (250 in attendance)
- 2012 Invited Lecture at OSU Byrd Polar Peru Night Open House, *Research on Glaciers of Peru*, OSU Byrd Polar Research Center, February 15th, Columbus, OH.
- 2011 Invited Lecture at American Geophysical Union meeting, *Third Pole Glaciers and the Ice Core Records of Past, Present and Future*, Dec. 7th, San Francisco, CA. Lecture given by Mary E. Davis.
- 2011 Invited Lecture at American Geophysical Union meeting, *Tropical Glaciers in the Common Era: Papua, Indonesia, Quelccaya Ice Cap, Peru and Kilimanjaro, Tanzania*, Dec. 7th, San Francisco, CA. Lecture given by Mary E. Davis.
- 2011 Invited Presentation to European Academy of Bozen/Bolzano (EURAC), *Ice Cores and Climate*, Sept. 20, 2011, Bolzano, Italy.
- 2011 Iceland Presidential Address (Olafur Ragnar Grimsson), *Climatic Change: The Evidence and our Options*, Sept. 6th, University of Iceland, Reykjavik, Iceland.
- 2011 The 6th Open Assembly of the Northern Research Forum, *Our Ice Dependent World*, Sept. 4th, Hotel Ork, Hveragerdi, Iceland.
- 2011 The Third Pole Environment (TPE) Workshop, *Third Pole Glaciers, Records and Indicators of Climate Change*, August 30, Reykjavik, Iceland.
- 2011 International Union for Quaternary Research (INQUA) XVIII Congress, *A Glacier Paleoclimate Perspective for the Holocene from the World's Highest Mountains*, July 25th, Bern, Switzerland.
- 2011 University of Lancaster, Honorary Doctorate of Science Lecture, July 21st, United Kingdom.
- 2011 Lecture for National Water Authority, *Climate Change: The Evidence and our Options*, July 15, 2011, Lima, Peru.
- 2011 Public Lecture, *The Evidence of Climate Change and our Options*, July 1, 2011, Cusco, Peru.
- 2011 22nd Annual Estate Planning Conference on Wealth Transfer, *Climate Change: The Evidence and our Options*, Hilton/Easton, June 24th, Columbus, OH.
- 2011 The Ohio State University, Mathematical Biosciences Institute Workshop, *A Glacier Paleoclimate Perspective for the last 10,000 years from the World's Highest Mountains*, June 21st, Columbus, OH.
- 2011 University of Michigan's 2011 Emissions Conference, *Climate Change: The Evidence and Our Options*, June 14th, Ann Arbor, MI.
- 2011 Kiwanis International of Columbus, *Climate Change: The Evidence and our Options*, The Athletic Club, May 16th, Columbus, OH.
- 2011 Miami Science Museum Presentation in *Second Life*, Evidence of Global Climate Change from Earth's Ice Cover, May 14th, videoconference from Cols. Ohio to Miami, FL.
- 2011 2nd Annual Keeling Lecture, *Climate Change: The Evidence and our Options*, Birch Aquarium at Scripps, May 9th, University of San Diego, CA.
- 2011 Activism through Science, *Climate Change: The Evidence and our Options*, Office of Sustainability, Ohio University, April 28th, Athens, OH.
- 2011 Boy Scout Troop from Columbus, Ohio, *A Few Lessons from the Mountains*, talk given at the Byrd Polar Research Center, Columbus, OH.

- 2011 Dept. of Geography and Geophysics, *Recorders and Indicators of Climate Change Are Disappearing Globally*, University of Utah, April 15th, Salt Lake City, UT.
- 2011 Frontiers of Science Lecture, *Climate Change: Evidence and Options*, Biology Building Auditorium, April 14th, University of Utah, Salt Lake City, UT.
- 2011 University of Venice, *Climate Change: The Evidence and our Options*, April 5th, Venice, Italy.
- 2011 Fate of Mountain Glaciers Working Group Meeting, *Observed Trends in Glaciers from Ice-Core Studies in Fate of Mountain Glaciers in the Anthropocene*, The Pontifical Academy of Sciences, April 2-4, Vatican City, Italy.
- 2011 Graduate Student Association, *From the World's Highest Mountains: The Evidence and our Options*, University of Toledo, March 26th, Toledo, OH.
- 2011 The Norma Wilkinson Annual Public Lecture, Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains, Dept. of Geography & Environmental Sciences, Nike Lecture Theatre, March 22nd, University of Reading, United Kingdom.
- 2011 Chemical Abstracts, *Climate Change: The Evidence and our Options*, March 9th, Columbus, OH.
- 2011 Dept. of Biological Sciences, *Climate Change: The Evidence and our Options*, University of Manitoba, February 10th, Winnipeg, Canada.
- 2011 Barrett-Hamilton Lecture Series, *Abrupt Climate Change: Perspective from the World's Highest Mountains*, Robson Hall, February 10th, University of Manitoba, Winnipeg, Canada
- 2011 Yale Climate and Energy Institute, Paleotemperature Proxy Workshop, *Ice Core Perspective on Paleothermometry with Focus on the Tropics*, Yale University, January 14-15th, New Haven, CT.
- 2010 Invited lecture: *Perspective on 21st Century Climate Change from the World's Highest Mountains*, Meteorological, Climatological and Geophysical Agency (BMKG) Indonesia. Official launch of the Papua, Indonesia Ice Core Research Program. May 18th. Jakarta, Indonesia.
- 2010 Public Lecture: *Planned ice core drilling program near Puncak Jaya*, May 24th, Timika, Papua, Indonesia.
- 2010 Public Lecture: *Planned ice core drilling program near Puncak Jaya*, May 27th, Tembagapura, Papua, Indonesia.
- 2010 Jakarta Young Business Professionals, *Completion of the Field Program on the Papua Glacier Project*, July 1st. Jakarta, Indonesia.
- 2010 International Symposium on Earth's Disappearing Ice: Drivers, Responses and Impacts. Tropical Glaciers: *Recorders and Indicators of Climate Change are Disappearing Globally*. August, 17th, Columbus, OH.
- 2010 Public lecture: *Climate Change: The Evidence and our Options*. Environmental Change Initiative and Department of Geological Sciences. Brown University, September 15th, Providence, RI.
- 2010 Departmental Lecture: *Climbing Your Mountains*: Department of Geological Sciences, University of Minnesota, Nov. 11th, Duluth, MN.
- 2010 Public lecture: *Understanding Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*. University of Minnesota, November 11th, Duluth, MN. .

- 2010 Annual Meeting of Columbus Natural History Society, *Climate Change: The Evidence and our Options*, OSU Museum of Biological Diversity, December 6th, Columbus, OH.
- 2010 Invited Lecture, *A 1700-year record of tropical sea surface temperatures and high-altitude Andean climate derived from Quelccaya ice cap, Peru*. AGU, Annual Fall Meeting, December 15th, San Francisco, CA.
- 2010 Invited Lecture, *Ice Core Records of Past Climate: Evidence and Future Glacier Loss Across the Third Pole*. AGU, Annual Fall Meeting, December 16th, San Francisco, CA.
- 2010 The Scioto Educational Foundation, *Perspective on 21st Century Climate Change from Ice Core Histories and Ice Field Exploration*, OSU Don Scott Airport, April 20th, Columbus, OH.
- 2010 Invited Lecture, *A Paleoclimate Perspective from the World's Highest Mountains*, Texas A&M University, April 13th, College Station, TX.
- 2010 Invited Lecture, Texas A&M University, April 12th, College Station, TX.
- 2010 Panelist in the Director's Dialogue on Art and Social Change: Climate and Culture, March 31st, OSU Wexner Center for the Arts, Columbus, OH.
- 2010 Peruvian Glaciers Lecture, *Update on Impact of Climate Change on Peruvian Glaciers*, OSU Byrd Polar Research Center, March 29th, Columbus, OH.
- 2010 2010 Green Energy Summit, *A Perspective on Global Climate Change from the World's Highest Mountains*, Midwest Airlines Conference Center, March 25, Milwaukee, WI.
- 2010 Ohio Farm Bureau Federation Trends and Issues Conference, *A Perspective on Global Climate Change from the World's Highest Mountains*, OSU Fawcett Center for Tomorrow, March 23, Columbus, OH.
- 2010 Videoconference to the University of Pavia in Italy, *Perspective on 21st Century Climate Change from Ice Core Histories and Ice Field Exploration*, given from OSU BPRC, March 15th, Columbus, OH.
- 2010 Friends of Stone Laboratory and Ohio Seed Grant College Program, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, OSU Fawcett Center for Tomorrow, March 2nd, Columbus, OH.
- 2010 Invited Lecture, *Climate Change and Stewardship*, Jewish Community Center, February 15th, Columbus, OH.
- 2010 Three Valley Conservation Trust Annual Meeting, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Miami University, February 13th, Oxford, OH.
- 2010 Keynote Speaker for Opening of School of Global Sustainability, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, University of South Florida, February 11th, Tampa, FL.
- 2010 Marine Science College, *Perspective on 21st Century Climate Change from Ice Core Histories and Ice Field Exploration*, University of South Florida, February 10th, Tampa, FL.
- 2010 The Columbus Surgical Society, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Presidential Symposium, February 6th, Columbus, OH.
- 2010 Ohio EDA and Governor's Office, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, February 2nd, Columbus, OH.

- 2009 United States Naval War College, *Global Climate Change: A Paleoclimate Discussion on Climate and Crisis*, President's Roundtable Discussion, December 17th, New Port, RI.
- 2009 Dartmouth University Public Lecture, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, The John Sloan Dickey Center for International Understanding, November 17th, Hanover, NH.
- 2009 Climate Change Symposium, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Northwestern University, November 5th, Evanston, IL.
- 2009 Ohio Transportation Engineering Conference, *Climate Change and Transportation*, October 28th, Columbus, OH.
- 2009 The Ohio Transportation Engineering Conference (OTEC) at the Columbus Convention Center, *Climate Change and the Human Response*, October 27th, Columbus, OH.
- 2009 Annual Meeting and Exposition of the Geological Society of America, *Crisis in the Cryosphere: Impacts of Planetary Meltdown: Abrupt Climate Change: A paleoclimate prospective from the World's Highest Mountains*, October 21st, Portland, Oregon.
- 2009 The Cosmos Club, The Mountain Institute's Mountain Hero Award Ceremony, *Climbing Your Mountains*, October 22nd, Washington, DC.
- 2009 The Catholic University, USAID, NSF, and the Mountain Institute sponsored workshop: *A World Without Glaciers: Global Climate Change: A Perspective from the World's Highest Glaciers*, July 7th, Lima, Peru.
- 2009 Public lecture: *Global Climate Change: The Paleoclimate History and Engineering to Recover Ice Cores from the World's Highest Mountains* Tembagapura, May 19th, Papua, New Guinea May 19, 2009.
- 2009 Presidential Scholar's Address: *Understanding Global Climate Change and the Human Response: A Paleoclimate Perspective from the World's Highest Mountains*. 35th Annual Convention Association for Behavior Analysis International May 23d, Phoenix, AZ.
- 2009 *Ice Core Paleoclimatology*. Meteorological, Climatological and Geophysical Agency May 15th, Jakarta, Indonesia.
- 2009 World Ocean Conference, Indo-Pacific Ocean Climate Variability. Keynote: *Tropical Glaciers: Recorders and Indicators of Climate Change*, May 13th, Manado, North Sulawesi, Indonesia.
- 2009 The Math Undergraduate Recognition Ceremony, Lecture: *Climbing Your Mountains*, The Ohio State University, May 8th, Columbus, Ohio.
- 2009 Henry W. Kendall Memorial Lecture, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*. Kirsch Auditorium, Massachusetts Institute of Technology, May 1st, Cambridge, Massachusetts.
- 2009 Conferencia Internacional Agua y Cambio Climatico; Public lecture: *Colegio Andino, Climate Change and Impacts of Glacier loss in the Andes of Peru*. April 23rd, Cusco, Peru.
- 2009 JPL Earth and Space Sciences Colloquium, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, April 6th, Pasadena, CA.
- 2009 University of Louisville, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, March 27th, Louisville, KY.
- 2009 University of Pittsburgh, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains and Winds, Mountains, Oceans, Rivers: Ecologies and Their Social Impacts in the New World*, March 20th, Pittsburgh, PA.

- 2009 Ohio University, Frontiers in Science, *Lessons from the Mountains, A brief history of tropical ice core paleoclimatology and Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, March 9th, Athens, OH.
- 2009 Roundtable Breakfast Lecture, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, February 27th, Worthington, OH.
- 2009 29th Woodford-Eckis Lecturer, *Paleoclimatic Histories from Tropical Glaciers and Evidence for Asynchronous Glaciation and Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, February 19th, Pomona College, CA.
- 2009 Public lecture: Byrd Polar Research Center, The Ohio State University, *Global Climate Change: A Paleoclimate Perspective from Peru's Highest Mountains*, January 23rd, Columbus, OH.
- 2009 Upper Arlington Senior Group, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, January 22nd, Columbus, OH.
- 2009 Asia Society, *Himalayan Meltdown*, January 15th, New York, NY.
- 2009 Lamont Doherty Earth Observatory of Columbia University, *Tropical Glaciers: Recorders and Indicators of Climate Change*, January 14th, Palisades, NY.
- 2008 Ohio Northern University, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Ohio Northern University, December 4th, Ada, OH.
- 2008 Ohio Dominican University, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, November 19th, Columbus, OH.
- 2008 American Philosophical Society, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, November, 14th, Philadelphia, PA.
- 2008 Vice Provost for Research Colloquium, *Climate Histories from Tropical Glaciers and the Evidence for Asynchronous Glaciation and Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Baylor University, October 30-31, Waco, TX.
- 2008 University of Charleston, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, October 23rd, Charleston, WV.
- 2008 Audubon Ohio State Assembly, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, October 18th, Bellville, OH.
- 2008 Renaissance Weekend, *Understanding Climate Change*, joint lecture with Ellen Mosley-Thompson, The Ohio State University, October 17th, Columbus, OH.
- 2008 Twig Lecture, *Retreating Glaciers, Abrupt Climate Change and our Future*, October 16th, Columbus, OH.
- 2008 The McCormick Climate Change Conference, *Retreating Glaciers, Abrupt Climate Change and Our Future*, October 12th, Columbus, OH.
- 2008 Geological Society of America Lecture, *Retreating Glaciers: A Paleoclimate Perspective from the World's Highest Mountains*, GSA Climate Change through Time, October 5th, Houston, TX.
- 2008 Victoria University, *Lessons learned from the High Mountains*, September 30th, Wellington, New Zealand.
- 2008 University of Otago, *Understanding Climate Change: Past, Present and Future*, September 22nd, Dunedin, New Zealand.
- 2008 Faith, Reason and World Affairs Symposium, *Understanding Climate Change*, Concordia College, September 17th, Moorhead, MN.

- 2008 Chapman Conference, *Understanding Climate Change*, September 8th, Lake Tahoe, CA.
- 2008 First LEGO League Climate Connections, *Retreating Glaciers: A Paleoclimate Perspective from the World's Highest Mountains*, September 5th, Columbus, OH.
- 2008 NYPR Workshop, *Climbing Your Mountains*, Colorado, August 12th, Colorado Springs, CO.
- 2008 Byrd Polar Research Center (via polycom). *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Lego Robotics League: An Introduction to Climate Change, November 18th, Columbus, Ohio.
- 2008 International Glaciological Society, International Symposium on Dynamics in Glaciology Symposium Lecture and Seligman Crystal Presentation. *Observations from the world's highest mountains: Understanding linkages among glacier ages, retreating ice and ice dynamics*, August 19th, Limerick, Ireland.
- 2008 NEO Green Energy Expo, *Retreating Glaciers: A Paleoclimate Perspective from the World's Highest Mountains*, August 16th, Akron, OH.
- 2008 The Ohio State University, *Retreating Glaciers, Global Climate Change and the Future of Our National Parks*, July 29, Columbus, OH.
- 2008 12th International Meeting on Chemical Sensors Banquet Speaker, *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, July 14, Center of Science and Industry, Columbus, OH.
- 2008 Pontificia Universidad Católica del Perú, *Abrupt Climate Change and Our Future*, June 17, Lima, Peru.
- 2008 Humboldt Symposium, *Understanding Climate Change. The Universe and the World Around Us*, Rice University, May 30-31, Houston, TX.
- 2008 CERMACS, 2008 Plenary Lecture, *Retreating Glaciers, Abrupt Climate Change and Our Future*, Center of Science and Industry (COSI), Department of Chemistry, OSU June 10, Columbus, OH.
- 2008 *Ice Cores and Climate, The Heat is On! Confronting Climate Change in the Classroom*, Outreach to teachers in Kansas (via Polycom).
- 2008 *Global Climate Change: A Paleoclimate Perspective from the World's Highest Mountains*, Division of Physical Sciences and California Space Grant Consortium, University of California San Diego. The 7th Annual James R. Arnold Endowment Lecture. May 9th, San Diego, CA.
- 2008 Keynote Lecture. Sixth International Conference: Remediation of Chlorinated and Recalcitrant Compounds, *Understanding Climate Change*, sponsored by Battelle. (paper given by Dr. Paolo Gabrielli as LGT in Israel for Dan David Prize Ceremony). May 20th, Monterey, CA.
- 2008 Dan David Symposium, *Glaciological Evidence of Global Climate Change: Implications for Our Future*, May 20th, Tel Aviv University Campus, Ramat Aviv, Israel.
- 2008 The Institute of Earth Sciences, The Hebrew University of Jerusalem, *A Paleoclimate Perspective of the Past and Present from the World's Highest Mountains*, May 21st, Jerusalem, Israel.
- 2008 Nationwide Board Council, *Global Climate Change: How it Affects Our World*, with Ellen Mosley-Thompson, April 2nd, Columbus OH.

- 2008 IPY New Generation of Polar Researchers Symposium, *Understanding Climate Change: Stories from the Ice*, May 7th, and *Climbing Your Mountains*, May 8th, La Foret Conference Center, Colorado Springs, CO.
- 2008 Leverhulme Symposium, *Retreating Glaciers: Abrupt Climate Change and Our Future*, (lecture given by Dr. Mary Davis), March 14th, Royal Society, London.
- 2008 Annual Ridington Lecture, *Understanding Climate Change*, McDaniel College, February 7th, Westminster, MD.
- 2008 Energy and Environmental Initiative, *Climate Change: Prevention and Adaption*, The Ohio State University, January 11th, Columbus, OH.
- 2008 University of Alabama, Huntsville, The Inauguration of David B. Williams, President. *Climate Change Forum*, April 9, 2007, Huntsville, Alabama. Lecture given by Ellen Mosley Thompson.
- 2008 Leverhulme Symposium, Royal Society, *Retreating Glaciers: Abrupt Climate Change and Our Future*, March 14, London. (Paper given by Dr. Mary Davis).
- 2008 Nationwide Board Council, *Global Climate Change: How it Affects Our World*, Lecture given by Ellen Mosley-Thompson & Lonnie Thompson, April 2, Columbus, OH.
- 2008 Annual Ridington Lecture, *Understanding Climate Change*, McDaniel College, February 7, 2008, Westminster, MD.
- 2008 Energy and Environmental Seminar Series, Energy and Environmental Initiative, *Climate Change: Prevention and Adaption*, January 11, Columbus, OH.
- 2007 Columbus Metropolitan Club, *Understanding Climate Change and our Future*, December 5th, Columbus, OH.
- 2007 Bluffton College Forum Lecture, *Understanding Climate Change*, December 4, Bluffton, OH.
- 2007 Coos Bay Public Lecture, Geology Lecture Series, *Understanding Climate Change*, Southwestern Oregon Community College, Hales Center for the Performing Arts, December. 1st, Coos Bay, OR.
- 2007 Frontiers of Science Seminar Series, MGG&G Seminar Series, *Recent Tropical Paleoclimate Ice Core Records Yield Evidence for Asynchronous Glaciation*, & Frontiers of Science Seminar Series, *Understanding Climate Change*, November 29, Oregon State University, Corvallis, OR.
- 2007 Wooster College Group Lecture, *Ice Cores and Climate Change*, November 26, The Ohio State University Byrd Polar Research Center, Columbus, OH.
- 2007 Upper Arlington, OH Rotary Presentation. *Understanding Climate Change*, November 27, Confluence Park, Columbus, OH.
- 2007 Cincinnati Art Museum Invited Public Lecture for the opening of the Arctic section of Museum exhibit. *Climate Change and the Arctic*, November 25th, Cincinnati, OH.
- 2007 The Yale Forum on Climate Change & the Media. *Covering Climate at Nearly 20,000 Feet*, by J. Madeleine Nash, and *A Leading Scientist's Perspective: The Scientist/Journalist Experience on Remote Mountain Research Expeditions*, by Lonnie Thompson. Published November 17th at:
<http://www.yaleclimatemediaforum.org/2007/11/how-i-did-that-story-covering-climate-at-nearly-20000-feet/> and <http://www.yaleclimatemediaforum.org/2007/11/a-leading-scientists-perspective-the-scientistjournalist-experience-on-remote-mountain-research-expeditions-2/>.

- 2007 International Pacific Research Center, IPRC Special Lecture, *Abrupt Climate Change Past, Present and Future*, Hawaii Institute of Geophysics, November 15th, University of Hawaii at Manoa, Honolulu, HI.
- 2007 National Academies Climate Research Committee Meeting, Fall Meeting, *Abrupt Climate Change Past, Present and Future*, November 5-6, Washington D.C.
- 2007 Alumni Lecture Series, *Understanding Climate Change*, November 2, The Ohio State University, Columbus, OH.
- 2007 Distinguished Scholar Seminar Series, University of Florida Water Institute. *Understanding Climate Change*, November 1st, University of Florida, Gainesville, FL.
- 2007 Rutgers University Invited Lecture Series, *Understanding Climate Change*, October 29th, New Brunswick, NJ.
- 2007 Polycom Lecture to the Paleoclimate class of Carlo Barbante, Environmental Sciences Department, University of Venice. First official lecture of the “Virtual International Institute,” October 26, polycom from Columbus, OH to Venice, Italy.
- 2007 C.A.R.E. A Forum on Planet Earth. (Community Awareness for Respect & Education, The Arts & Lectures Committee). *Understanding Climate Change*, October 25th, The Ohio State University Mansfield and North Carolina State University. Lecture given in Mansfield, OH.
- 2007 China’s *Einstein Lecturer Tour*. Chinese Academy of Sciences, October 10-17. Ten day, four city lecture tour. Two lectures in Beijing, Xian and Kasgar, China. Three themes: “Understanding Climate Change”, “Impact of Global Warming on the Climate of China”, and “Climbing Your Mountains”.
- 2007 University of Toledo College of Law Auditorium, National Conversation on Climate Action Keynote Speaker. *Understanding Climate Change*, October 4th, University of Toledo, Toledo, OH.
- 2007 New Graduate Student Orientation Keynote Address. *Climbing Your Mountains*, September 17th, Independence Hall, The Ohio State University, Columbus, OH.
- 2007 State Master Gardener Conference Keynote Speaker. *Understanding Climate Change*, September 15th, Agriculture Administration Building Auditorium, The Ohio State University, Columbus, OH.
- 2007 Leadership Ohio Presentation: Energy, Sustainability and Conversation: The Wilds. *Climate Change*, September 14, Cambridge/Salt Fork Park, OH.
- 2007 4th Annual Green Building Expo. Keynote Speaker, *Understanding Climate Change*, Salt Lake City Mayor Rocky Anderson Green Policy Summit. September 13th, Columbus, OH.
- 2007 New Executives Climate Change Symposium, *What the World’s Glaciers are telling us about Climate Change*, Graduate School of Business, Stanford University, September 5th, Palo Alto, CA.
- 2007 Ohio Statewide Floodplain Management Conference, *Abrupt Climate Change: Past, Present and Future*, August 22nd, Dublin, OH.
- 2007 Upper Arlington Senior Center, *Understanding Climate Changes from the Ice*, August 14th, Upper Arlington, OH.
- 2007 University of Huaraz Public Lecture, *Abrupt Climate Change: Past, Present and Future*, July 5th, Huaraz, Peru.
- 2007 Parliament of Peru, *Understanding Climate Changes*” July 3rd, Lima, Peru.

- 2007 Miller Institute of Basic Research in Science 11th Annual Symposium, *Understanding Climate Change*, June 1-3, Marconi Conference Center, University of California, Marshall, CA.
- 2007 Public Lecture, *Understanding Climate Changes*, Public Lecture, June 20th, Sicuani, Peru.
- 2007 Practical Action Lecture, *Abrupt Climate Change: Past, Present and Future*, Intermediate Technology Development Annex, June 16th, Lima, Peru.
- 2007 CMOS-CGU-AMS Congress Plenary Lecture, *Abrupt Climate Change: Past, Present and Future*, May 27-30, St. Johns, Canada.
- 2007 Fermilab Invited Talk, *Glaciological Evidence of Abrupt Tropical Climate Change: Past, Present and Future*, May 18, Chicago, IL.
- 2007 Climate Research Committee, The National Academies, Advisors to the Nation on Science, Engineering and Medicine, Spring Meeting, May 16th-17th, Washington, D.C.
- 2007 Annual Signature Event Keynote Speaker for the League of Women Voters, *Understanding Climate Change from Ice*, Toledo/Lucas County, May 10th, Toledo, OH.
- 2007 Policy Forum, *Understanding Climate Change*, Page Hall, May 9th, Columbus, OH.
- 2007 Comer Science and Education Foundation, Abrupt Climate Change Fellowship Conference, *Calibration of Oxygen Isotopes in Tropical Ice Cores*, IBM Palisades Conference Center, May 2-5, New York, NY.
- 2007 University Distinguished Lecture Series, *From the Mountain Tops: Evidence for Climate Change in Tropical Glacier*, Texas A&M University, May 1st, College Station, TX.
- 2007 School of Geosciences, *Glaciological Evidence of Abrupt Tropical Climate Change: Past and Present*, Texas A&M University, April 29, College Station, TX.
- 2007 College of Math & Physical Sciences Lecture Series, *Abrupt Climate Change: Past, Present and Future*, North Dakota State University, Fargo Theater, April 24th, Fargo, ND.
- 2007 U.S. Coast Guard Academy, *Understanding Climate Change from Ice*, April 16th, New London, CT.
- 2007 Foster Hewitt Lectures at LeHigh University, *Abrupt Climate Change: Past, Present and Future*, EES Dept., April 6, Bethlehem, PA.
- 2007 Garden Club of Ohio, Inc., *The Disappearing World of Lonnie Thompson*, Keynote Speaker at 79th Annual Convention, Westin Great Southern Hotel, April 3rd, Columbus, OH.
- 2007 *Abrupt Climate Change: Past, Present and Future*, Invited Public Lecture at University of Arizona, Institute for the Study of Planet Earth, March 23rd, Tucson, AZ.
- 2007 *Abrupt Climate Change: Past, Present and Future*, Nott Memorial Invited Lecture at Union College, Dept. of Environmental Sciences, Feb. 28th, 2007, Schenectady, NY.
- 2007 *The Adventure and Science of Glacier Research*, Distinguished Explorer Award Presentation/Lecture, Beloit Memorial High School, and *Understanding Climate Change*, Roy Chapman Andrews Society Distinguished Explorer Acceptance Lecture, Eaton Chapel, Feb. 22nd & 23rd respectively, Beloit, WI.
- 2007 Chairman, Nevada Climate Change Panel, Nevada Water Resources Annual Conference, Feb. 21st, Reno, NV.
- 2007 *Abrupt Climate Change: Past, Present and Future*, Keynote address for the Nevada Water Resources Annual Conference, Feb. 21, Reno, NV.

- 2007 *Communicating and Learning About Global Climate Change*, An Event for Teachers, Students, and other Communicators and Learners, Climate Change Town Hall Presentation at American Association for the Advancement of Science Annual Meeting, February 18th, San Francisco, CA.
- 2007 *Glaciological Evidence of Abrupt Tropical Climate Change: Past and Present*, in Canary in the Coal Mine Section: Mountains and Climate Change, American Association for the Advancement of Science Annual Meeting, February 16th, San Francisco, CA.
- 2007 *Tropical Ice Cores*, Center for the Remote Sensing of Ice Sheets Winter Seminar Series, University of Kansas, Feb. 7th, 2007, Lawrence, KS.
- 2007 *Scientific Case for Global Warming and its Causation: The Multiple Lines of Evidence*, Sponsored by the American Meteorological Society's Environmental Science Seminar Series, January 31st, Capitol Hill, Washington, D.C.
- 2007 *Abrupt Climate Change: Past, Present and Future*, Mechanical Engineering's Distinguished 125th Anniversary Lecture Series, January 19th, The Ohio State University, Columbus, OH.
- 2007 *Warriors and Heros Against Global Warming*, Honors Collegium, The Ohio State University, Kuhn Honors House, January 17th, Columbus, OH.
- 2006 *Abrupt Climate Change: It Has Happened in the Past and It Might be Happening Now!* Lonnie G. Thompson and Ellen Mosley-Thompson. Public lecture at the American Geophysical Union Meeting, December 11th, San Francisco, CA.
- 2006 *Abrupt Climate Change: Past, Present and Future*, Keynote address for the annual meeting of the Ohio Turfgrass Association. December 5, 2006, Ohio Convention Center, Columbus, OH.
- 2006 *Global Warming: The Evidence*, Kuhn Honors Program Fireside Chat, Nov. 21st, The Ohio State University, Columbus, OH.
- 2006 *Abrupt Climate Change: Past, Present and Future*, Lecture at Westerville Public Library for the Westerville Garden Center. November 14th, Westerville, OH.
- 2006 *Global Warming*, Lecture at the First Community Church, Nov. 12th, Columbus, OH.
- 2006 "Ice Hunter" by Naomi Lubick, *GeoTimes Earth, Energy and Environment News*, March 2006, p. 28-29.
- 2006 *Glaciological Evidence of Abrupt Climate Change: Past, Present and Future* *Environmental Studies*, Colloquium at the University of Michigan, Dearborn, Nov. 10th, Detroit, MI.
- 2006 *Global Climate Change: Past, Present and Future*, Lecture at the School of Natural Resources, The Ohio State University, Nov. 9th, Columbus, OH.
- 2006 *Climate and Business*, Lecture for the Fisher College of Business, The Ohio State University, Nov. 8th, Columbus, OH.
- 2006 *Global Warming: The Evidence*, Lecture at Upper Arlington High School, August 20th, Upper Arlington, OH.
- 2006 Discussion Panel at the Drexel Gateway Theater for the opening of the new film *An Inconvenient Truth*, June 21st, 2006, Columbus, OH.
- 2006 *Abrupt Climate Change: Past, Present and Future*, Linworth Alternative Program Lecture, May 4th, Worthington, OH.
- 2006 The Ohio State University Media Day, Presentation: *Glaciers, Ice Cores and Abrupt Climate Change*, April 10th, Longaberger Alumni House.

- 2006 Stephen J. Kopp, Thirty Sixth Presidential Inauguration Lecture. *Ice Cores, Glaciers, and Abrupt Climate Change*, Marshall University, April 21st, Huntington, WV.
- 2006 Woods Hole Oceanographic Institution, Invited lecture, ICE course. *Glaciological Evidence of Abrupt Tropical Climate Change: Past, Present and Future*, Woods Hole Oceanographic Institute, March 23rd, Woods Hole, MA.
- 2006 CIRES Distinguished Lecture, *Glaciological Evidence of Abrupt Climate Change: Past and Present*, University of Colorado, March 17th, Boulder, CO.
- 2006 Global Climate Change, The Arctic to the Rocky Mountain West, *Abrupt Tropical Climate Change: Past, Present, and Future*, Stegner Center, University of Utah, S.J. Quinney College of Law, March 3-4, Salt Lake City, UT.
- 2006 *Ice Adventures: Tracking Evidence of Global Warming Around the World*, Charles and Ralph Dury Science Lecture, Cincinnati Museum Center, March 2nd, Cincinnati, OH.
- 2006 *Global Warming, the Evidence For and How It Works*, Brookwood Presbyterian Church, February 26th, Columbus, OH.
- 2006 *East Asian Studies Lecture: Global Climate Change and the role of China*, East Asian Studies Lecture, February 22nd, Columbus, OH.
- 2006 *Glaciological Evidence of Abrupt Tropical Climate Change: Past, Present and Future*, Colloquium at the Physics Department of The Ohio State University, February 21st, Columbus, OH.
- 2005 *Abrupt Tropical Climate Change: Past and Present*, March of Dimes 2005 Awards Ceremony Keynote Speaker, Greek Orthodox Church, November 16th, Columbus, OH.
- 2005 *Glaciological Evidence of Abrupt Climate Change: Past and Present*, Faculty of the Arts and Sciences, Tuzo Wilson Lecture, Department of Physics, University of Toronto, November 14th, Toronto, Canada.
- 2005 *Abrupt Climate Change: Past and Present*, The Inaugural Geoffrey O. Seltzer Lecture, College of Arts and Sciences, Syracuse University, November 7th, Syracuse, NY.
- 2005 *Abrupt Climate Change in the Earth System: Past, Present and Future*, The Ohio State University Byrd Polar Research Center seminar series, November 4th, The Ohio State University, Columbus, OH.
- 2005 *Abrupt Tropical Climate Change: Past and Present and Abrupt Climate Change: Hurricanes and Ice Cores: Toward the Development of a Long-term Hurricane Perspective* (with Y.C. Fang and D. Urmann) and *Ice Archives of Abrupt Environmental Change* (with Sangsuk Lee), Gary Comer Abrupt Climate Change Fellowship Meetings, IBM Palisades Conference Center, October 19 - 22nd, New York, NY.
- 2005 *Rapid Climate Change in the Earth System: Past, Present and Future*, The Harold McMaster Visiting Scientist, College of the Arts and Sciences, Bowling Green State University, October 18, 2005, Bowling Green, OH.
- 2005 *Abrupt Climate change in the Earth System: Past, Present and Future*, Department of Geological Sciences, Virginia Polytechnic Institute and State University, October 6-7, Blacksburg, VA.
- 2005 *Abrupt Climate Change and the Human Response*, September 29, Rotary Club of Circleville, OH.
- 2005 *Abrupt Climate Change: Past and Present*, Georgia Institute of Technology, School of Earth Sciences, September 22-23, Atlanta, GA. 2005 *Ice Adventures: Tracking Evidence of Abrupt Climate Change Across the Tropics*, Harrington Symposium on Abrupt Climate

- Change, April 15th. The University of Texas at Austin, Environmental Science Institute. Austin, TX. 2005 Tyler Prize Environmental Achievement award ceremony. Lecture: *Rapid Climate Change in the Earth System: Past, Present and Future*. April 6-9, Los Angeles, CA.
- 2005 *Rapid Climate Change in the Earth System: Past, Present and Future*. Moore Lecture. University of Virginia, March 31st. Charlottesville, VA.
- 2005 *Climate Change: Ice Core Evidence*. 2005 Whitney Symposium: Energy March 28 -29. GE Global Research Center, Niskayuna, NY.
- 2005 *Abrupt Climate Change* Plenary Program: Science and Aerospace Frontiers.
- 2005 IEEE Aerospace Conference. March 9-11. Big Sky, MT.
- 2005 *Abrupt Climate Change*. Department of Earth Sciences. Montana State University, March 11. Bozeman, MT.
- 2005 *Glaciers, Ice Cores and Abrupt Climate Change*. Annual Department of Ophthalmology Meeting, March 5th. Columbus, OH.
- 2005 *Vanishing Mountain Glaciers: Evidence from the Ice of a Rapidly Changing Earth*. Pinhead Town Talks: Public High School, 450 students from Telluride area High Schools. Public lecture: Pinhead a Smithsonian Affiliate Institute. Feb. 22. Mountain Village, Telluride, Col.
- 2005 *Glaciers, Ice Cores and Abrupt Climate Change*. Closing Luncheon Presentation. Winter College, Naples, Florida Feb. 18 and 19th.
- 2005 *Rapid Climate Change in the Earth System: Past, Present and Future*. Whole Earth Systems; Science, Technology and Policy Symposium. Feb. 10 to 12. Stanford University, Palo Alto, CA.
- 2005 *Rapid Climate Change in the Earth System: Past, Present and Future*. University Honors Program. University of Alaska, Anchorage. Jan. 27. Anchorage, Alaska.
- 2005 *Rapid Climate Change in the Earth System: Past, Present and Future*, Department Of Geography Colloquium, University of Utah. February 4.
- 2005 *Vanishing Tropical Glacier*. Department of Geological Sciences. University of Cincinnati. Jan. 21. Cincinnati, OH.
- 2005 *Vanishing Tropical Glaciers* Upper Arlington Public Library, Upper Arlington, OH. Public Lecture Jan 19th
- 2005 *An Abrupt Climate Change: Past, Present and Future*. University of Southern California, Santa Barbara. Department of Geological Sciences Jan. 12, Santa Barbara, CA.
- 2004 *Tropical Andean ice core and glacier retreat evidence for abrupt climate change*. Second Symposium on Mass Balance of Andean Glacier Shrinkage in the Andes and Consequences for Water Resources, July 06-09, Huaraz, Peru.
- 2004 *Low latitude mountain glacier evidence for abrupt climate changes*. Fall Meet. AGU Dec. 16. San Francisco, CA.
- 2004 Geological Society of America, Geoscience in a Changing World, *Low-latitude ice core evidence for asynchronous glaciation*. November 7-10. Denver, CO.
- 2004 The Emiliani Lecture: *Tropical Ice Core Evidence for Rapid Holocene Climate Change and Asynchronous Glaciation*. Fall Meet. AGU. Dec. 15. San Francisco, CA.
- 2004 Worthington Hills Country Club, *Vanishing Tropical Glaciers: Evidence of a Rapidly Changing Earth*, November 18, Worthington, OH, November 18

- 2004 The Brodhead Watershed Association, *Rapid Climate Change in the Earth System: Past, Present and Future*. University of East Stroudsburg, Stroudsburg, PA, October 21
- 2004 International Sustainability Days Conference, *Vanishing Tropical Glaciers*. Stanford University, Stanford, CA, October 13-16
- 2004 51st Annual Systematics Symposium Missouri Botanical Garden, October 8 to 10. Latin American Biogeography-Causes and Effects. *Ice Core Evidence for Tropical Climate Change: The Andes, Kilimanjaro and Tibet*.
- 2004 The 4th International Symposium on the Tibetan Plateau, August 4-7 Lhasa, China *Plenary presentation: Evidence for Asynchronous Glaciation: The Ice Core Record from the Tibetan Plateau*.
- 2004 H. Burr Steinbach Visiting Scholars Program, Lecture Series, Woods Hole Oceanographic Institution, Woods Hole, MA, July 27-29.
- 2004 Cambio climatico global acelerado. *Pasado, presente y futuro de los recursos hidricos en el Peru*. July 12, Lima, Peru.
- 2004 Second International Symposium On Mass Balance of Andean Glaciers *Glacier Shrinkage in the Andes and Consequences for Water Resources*. July 6-9, Huaraz, Anchash, Peru
- 2004 Mountain Climate Sciences Symposium: Keynote Speech: *Ice core climate records from the high mountains of the world*. Kings Beach, California. May 25-27, 2004
- 2004 *Glaciation, Climate Variability and Climate Dynamics in the Tropics*. Topic: Tropical ice-core records for Retirement Symposium for Prof. Steven Porter, University of Washington, Seattle, Washington
- 2004 Benton Lecture Series, Department of Earth and Planetary Sciences, Johns Hopkins University. Lecture 1. *Rapid Climate Change in the Earth System: Past Present and Future*, and *Evidence for Asynchronous Glaciation on Milankovitch Time Scales*. April 26-28, 2004, Baltimore, MD
- 2004 Columbus Club. *Climate Change and the human connection*. Medical Forum, April 6, Columbus, OH.
- 2004 23'd Annual Richard G. Osgood, Jr., Memorial Lecture: *Rapid Climate Change: Past, Present and Future*. March 31. Wooster, OH.
- 2004 GSA Regional Meeting. *Tropical Ice Core and Glacier Retreat Evidence for Abrupt Holocene Climate Change*. March 27. Washington D.C.
- 2004 Invited lecture: *Ice cores and Climate Change*. Proctor and Gamble, Cincinnati OH. March 16. Fund raiser for Ohio State University
- 2004 Jane M.G. Foster Distinguished Lecture Series. Shawnee State University. *Rapid Climate Change in the Earth System: Past, Present and Future*. March 4. Portsmouth, OH.
- 2004 Baldwin Distinguished Lectures, Miami University. *Rapid Climate Change: Past, Present and Future*, and *Evidence for Asynchronous Glaciation on Milankovitch Time Scales*. Feb. 19-20. Miami, OH.
- 2004 London, Ontario. Women's Club of Canada. *Rapid Climate Change: Past, Present and Future*. Feb. 12. London, Ontario, Canada.
- 2004 Stanford University, Two invited lectures. *Ice Cores and an Archive of Paleoclimate*, and *Rapid Climate Change in the Earth System: Past, Present and Future*. Feb. 2-4. Palo Alto, CA.

- 2003 Department of Atmospheric Sciences, University of Illinois Urbana-Champaign. *Rapid Climate Change in the Earth System: Past, Present and Future*. Graduate Student Invited Lecturer. December 10. Urbana-Champaign, IL.
- 2003 Department of Geological Sciences Seminar. *Rapid Climate Change in the Earth System: Past, Present and Future*. Nov. 20. Princeton University, Princeton, NJ.
- 2003 Centenary Lecture. University College London. Department of Geography. *Rapid Climate Change: A Tropical Perspective*. Nov. 12. London, England.
- 2003 Royal Geographical Society (with the Institute of British Geographers). Public Lecture. *Rapid Climate Change: Past, Present and Future*. Nov. 10. London, England.
- 2003 Water Management Association of Ohio, Annual Conference. *Climate Change and Future Water Resources*. Nov. 5. Columbus, OH.
- 2003 Lucas Lecture, Colorado School of Mines. Department of Chemistry and Geochemistry. *Rapid Climate Change in the Earth System: Past, Present and Future*. Nov. 3-4. Golden, CO.
- 2003 Older Wiser Lifelong Scholars: *Ice Cores Tell Us the Earth is Warming*. Oct. 21. Westminster-Thurber Community. Columbus, OH.
- 2003 Woods Hole Oceanographic Institution, NSF Workshop. *Research Plan for Abrupt Climate Change*. October 20. Woods Hole, MA.
- 2003 Keynote address: International Master Gardener Conference, *The Iceman Cometh!* June 20. Cincinnati, OH.
- 2003 The Ohio State University, College of Food, Agriculture and Environmental Sciences. Annual meeting. *Climate Change and Carbon*, Columbus, OH.
- 2003 51st ASMS Conference on Mass Spectrometry and Allied Topics, Opening Plenary Lecture. *Rapid Climate Change: Past, Present and Future*. June 9. Montreal, Canada.
- 2003 International Symposium on Isotope Hydrology and Integrated Water Resources Management. May 19-23. Keynote address: *Stable Isotopes on Seasonal To Millennial Time Scales as Recorded in Low-Latitude, High-Altitude Ice Cores*. Vienna, Austria.
- 2003 *Rapid Climate Change in the Earth System: Past, Present and Future*. Wiener Phykalishce Institute, May 16. Vienna, Austria.
- 2003 *Rapid Climate Change in the Earth System*. April 30. Carnegie Institute, Washington D.C.
- 2003 Institute of Tibetan Plateau Research Lecture. Chinese National Academy of Sciences. March 22. Beijing, China.
- 2003 PACLIMXX Keynote Lecture. *Rapid Climate Change: Past Present and Future* April 7. Monterey Bay Aquarium. Monterey, CA.
- 2003 Morgan Lecture Series: Technical Lecture. *Tropical Ice Core Records: Evidence for Asynchronous Glaciation*. Rankin Science Room, Appalachian State University. Public Lecture Farthing Auditorium. March 4. *Rapid Climate Changes in the Earth System: Past, Present and Future*.
- 2003 Three lectures to high school students as Science North, Explore Science Series in INCO Cavern on Global Climate Change. *In Search of Climate Change*. Feb. 20. Evening public Lecture.
- 2003 Green Energy Ohio, 3rd Annual Meeting. Guest Speaker. *Rapid Climate Change in the Earth Systems and Sustainability*. Feb. 15. Ohio Historical Center, Columbus, OH.
- 2003 *Rapid Climate Change in the Earth System*. Feb. 10. University of Albany, Albany, NY.

- 2003 Invited Lectures. *Rapid Climate Change in the Earth System: Past, Present and Future, and Tropical ice core records: Compelling evidence for asynchronous glaciation on Milankovitch timescales*. Jan 23-24. Purdue University, West Lafayette, IN.
- 2003 *A look at Climatic Change*. EAGLE. Jan. 13. Columbus, OH.
- 2002 *Tropical and Subtropical Ice Core Climate Records of the Last Two Millennia*. Invited Lecture: AGU Fall Meeting. San Francisco, CA.
- 2002 *Ice Core Evidence of Past Changes in the Hydrological Cycle of the Tropics and Subtropics*. Invited lecture: AGU Fall Meeting. San Francisco, CA.
- 2002 Jacob A. Bjerknes Distinguished Lecture. *Rapid Climate Change in the Earth System: Past, Present, Future*. UCLA, Los Angeles, CA.
- 2002 *Tropical ice core records of changes in symmetry, position and/or intensity of the Hadley Circulation on Milankovich, millennial, and centennial time scales*. University of Hawaii at Manoa. Honolulu, HI.
- 2002 LSU Chancellor's, Distinguished Lecture Series. *Rapid Climate Change in the Earth System: Past, Present and Future, and Ice Core Paleoclimatology*. Louisiana State University, Baton Rouge, LA.
- 2002 *Changes in global ice sheet and related climate variations over the last 11,000 years*. Harvard University, John F. Kennedy School of Government. Al Gore Lecture. Boston, MA.
- 2002 *Climatic Surprises: The Records from Glaciers and Ice Cores*. Columbia University, Lamont, NY.
- 2002 Dr. A.H. Heineken Prize for Environmental Sciences Lecture. *Rapid Climate Change in the Earth System: Past, Present and Future*. Utrecht University, Utrecht, Netherlands.
- 2002 Swiss Academy of Sciences Keynote Lecture: *Climatic Surprises: The Records from Glaciers and Ice Cores*. Davos, Switzerland.
- 2002 Vegasymposium. *Rapid Climate Change in the Earth System: Past, Present and Future*. Stockholm, Sweden.
- 2002 Common Wealth Science and Invention Award Lecture. *Earth's ancient climate history and global warming*. Wilmington, DE.
- 2002 *Rapid Climate Change in the Earth System: Tropical Ice Core Records, Compelling Evidence for Asynchronous Glaciation on Milankovitch Timescales, and Kilimanjaro Ice Core Records: Evidence of Holocene Climate Change in Tropical Africa*. Yale University, New Haven, CT.
- 2002 AAG Lecture. *Disappearing Glaciers: Evidence of a Rapidly Changing Earth*. Los Angeles, CA.
- 2002 *Rapid Climate Change in the Earth System*. John Marshall Lecture. Marshall University.
- 2002 OSU Sigma Xi Lecture. *Global Climate Change*. Byrd Polar Research Center, Columbus, OH.
- 2002 Bownocker Lectures, The Ohio State University, Columbus, OH.
- 2002 *Disappearing Glaciers: Evidence for a Rapidly Changing Earth*. University of Washington, Seattle, WA.
- 2002 *Understanding Global Climate Change: Perspective from Earth Science*. Rice University, Houston, TX.
- 2002 *Climate Change of the Past; Lessons for the Future*. Oregon State University, Corvallis, Oregon.

- 2001 American Geophysical Union, San Francisco, CA.
- 2001 *Ice from Thin Air*. University of Florida, Gainesville, FL.
- 2001 International Conference on Past Climate Variability through Europe and Africa, Aix-en Provence, France.
- 2001 Global Change Open Science Conference. *Challenges of a Changing Earth*. Amsterdam, The Netherlands.
- 2001 Workshop on Climate Change at High Elevation Sites: Emerging Impacts (HIGHEST II), Davos, Switzerland.
- 2001 *Asian Monsoons and Global Linkages on Milankovitch and Sub-Milankovitch*. Beijing, China.
- 2001 Central Andean Paleoclimate Workshop, Tucson, AZ.
- 2001 Earth Sciences Spring Speaker Series, University of Southern California.
- 2001 Bader Lecture, Rosenstiel School of Marine and Atmospheric Sciences, University of Miami.
- 2001 Second Wadati Conference on Global Change and the Polar Climate, Tsukuba Science City, Japan.
- 2001 12th International Hypoxia Symposium, Jasper, Canada.
- 2001 Quay Hebrew Lecturer, Brigham Young University, Provo, UT.
- 2001 Invited Lecture, London, Canada.
- 2001 International Atomic Energy Agency: International Conference on the Study of Environmental Change Using Isotopic Techniques. International Centre, Vienna, Austria.
- 2001 Chinese Academy of Sciences, Beijing, China.
- 2001 Explorers' Club, Columbus, OH .
- 2001 Linworth Alternative Program, Worthington, OH.
- 2001 Rock and Mineral Club, Columbus, OH.
- 2001 Workshop on Climate Change at High Elevation Sites: Emerging Impacts, Davos, Switzerland.
- 2001 IGBP Global Change Open Science Conference; Amsterdam, The Netherlands.
- 2001 International Conference on Past Climate Variability through Europe and Africa, Aix-en Provence, France.
- 2000 Optimist International Club of Columbus, OH.
- 2000 LDEO NOAA/CORC Miniconference on the Little Ice Age and Medieval Warm Period, Columbia University.
- 2000 Laboratory of Ice Core and Cold Regions Environment Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou, China.
- 2000 GeoCanada 2000
- 2000 Invited Lecture, Colegio de Ingenieros del Peru, Cuzco, Peru.
- 2000 Invited Lecture, Core Scientific Perspectives Program, Colgate University.
- 2000 Invited Lecture, University of Edinburgh, Scotland.
- 2000 London Quaternary Lectures, University of London.
- 2000 International Symposium on Atmosphere-Ocean-Cryosphere Interaction in the Sea of Okhotsk and the Surrounding Environment Sapporo, Japan.
- 1999 First Community Church Global Concerns Task Force, Grandview, OH
- 1999 Invited Lecture, University of California, Berkeley.

1999 Invited Lecture, Duke University.
 1999 *Abrupt Climate Change in the Tropics*, NOAA meeting, Key West, FL.
 1999 American Association of Petroleum Geologists, San Antonio, TX.
 1999 Invited Lecture, University of Massachusetts, Amherst
 1999 Testimony to H.C.R. 6 on Kyoto Protocol April 28, before the Ohio Senate Energy, Natural Resources, and Environment Committee, Statehouse, Columbus, OH.
 1999 INQUA, XV International Congress, Durban, South Africa
 1999 Economic History Association, Baltimore, MD.
 1999 AGU Chapman Conference on Water Vapor in the Climate System, Potomac, MD.
 1999 Rotary Club, Columbus, OH.
 1999 National Institute of Standards and Technology, Gaithersburg, MD.
 1999 Acoustical Society of America, Columbus, OH.
 1999 PAGES/CLIVAR International Workshop, Venice, Italy.
 1999 U.S. Global Change Research Program Seminar, Washington D.C. Capital Hill.
 1998 Postgraduate Symposium in Ophthalmology
 1998 PAGES PEP1 Pole-Equator-Pole Paleoclimate of the Americas, Merida, Venezuela.
 1998 PAGES Open Science Meeting, University of London.
 1998 United Nations Lecture tour, China.
 1998 ISOMAP Workshop on Reconstructing the Isotopic Composition of Past Precipitation from Continental Archives, Vienna, Austria.
 1998 FERCO International Conference on Climate and Culture at 3,000 B.C., University of Maine.
 1998 Invited Lecture, University of Washington
 1998 University Distinguished Lecture, The Ohio State University
 1998 Nordberg Lecture NASA, Greenbelt, Maryland. International Workshop on Climate Variability in the Americas from High Elevation Ice Cores, Bariloche, Argentina.
 1997 Invited Lecture, Johns Hopkins University
 1997 Chauncey D. Holmes Lecturer, Syracuse University
 1996 The University Women's Club, The Ohio State University, Columbus, OH.
 1996 Global Change lecture series, The University of Arizona
 1996 Invited Lecture, Department of Earth and Planetary Sciences, Harvard University
 1996 The International Workshop on Environment and Engineering Relating to Snow and Ice in Polar Regions (EERSIPR), Lanzhou, China.
 1996 Andes Symposium, The Field Museum, Chicago, IL.
 1996 American Quaternary Association, keynote speaker, Flagstaff, AZ.
 1996 IGBP/PAGES Workshop: Annual Records of Tropical Systems. (ARTS), Kauai, Hawaii.
 1996 Workshop on: The Role of Polar Processes in Global Change, Cancun, Mexico.
 1996 The Canadian Institute for Advanced Research: Ontario Science Center, Toronto, Canada.
 1996 Inter-American Institute for Global Change Workshop: The assessment of Present, Past and Future Climate Variability in the Americas from Treeline Environments. Alberta, Canada.
 1996 Glaciers from the Alps: Climate and Environmental Archives, Wengen, Switzerland.
 1996 International PAGES-CLIVAR Joint Workshop Group, Villefranche-sur-Mer (France)
 1996 Invited Lecture, Penn State University
 1996 Workshop on Polar Processes and Global Climate, Cancun, Mexico

- 1996 Invited Lecture, Cornell University
- 1996 International Symposium of the Earth System Evolution Programs, Canadian Institute for Advanced Research, Toronto, Canada.
- 1995 International Workshop on Tracing Isotopic Composition of Past and Present Precipitation-Opportunities for Climate and Water Studies. WMO-IAEA, Rütihubelbad Congress, Switzerland.
- 1995 PAGES PEP-1 Meeting, La Paz, Mexico.
- 1995 Special Lecture Series, Lamont Doherty Earth Observatory (Climate Center)
- 1995 U.S. Global Change Research Program Seminar Series, Washington, D.C.
- 1995 Workshop on Climate Change at High Elevation Sites, Wengen, Switzerland.
- 1995 Fall Speaker Series, Princeton, NJ.
- 1995 Past Global Change Distinguished Lecture Series, University of Colorado, Boulder, CO.
- 1995 Department of Geology and Geophysics Lecture Series University of Chicago
- 1995 Invited Lecture, Nagoya University, Nagoya, Japan.
- 1994 AAAS invited lecture in Frontiers in Engineering and Physical Science Technology
- 1994 National Academy of Sciences/National Research Council Workshop on Surficial Processes in the U.S. Global Change Research Program. Washington D.C.
- 1994 NOAA Panel on Climate and Global Change. Marietta, Georgia.
- 1994 Abrupt Climate Change Workshop, Washington D.C.
- 1994 White House breakfast with Vice President, Al Gore and the head of 8 Federal Agencies to discuss glaciers and ice cores
- 1994 International Symposium on the Role of the Cryosphere in Global Change, oral paper
- 1994 Environmental Lecture Series, Ashland University
- 1994 NATO Advanced Research Workshop on "Climatic Variations and Forcing Mechanics of the last 2000 years". Il Ciocco, Italy.
- 1994 NOAA Scientific Advisory Panel of the Climate and global Change Program Fall Meeting, Washington, D.C.
- 1994 PAGES-CLIVAR Workshop on paleoclimate variability and prediction, Venice, Italy.
- 1993 Quaternary Research Center Distinguished Lecture Series, University of Washington
- 1993 Seminar series, Department of Geological Sciences, University of Michigan
- 1993 PAGES workshop "High Resolution Records of Past Climate from Monsoon Asia: The Last 2000 years and Beyond," Taipei, Republic of China
- 1993 Invited Lecture Ohio EPA, Columbus, OH.
- 1993 Invited lecture Ohio Historical Society, Columbus, OH.
- 1993 AGU Spring Meeting, Baltimore, MD.
- 1993 Seminar Series, Cooperative University-based Program in Earth Systems Science Education New York University, NY.
- 1993 ElectroPeru Special Lecture, Lima, Peru.
- 1993 The Fifth International Symposium on Antarctic Glaciology, Cambridge, England
- 1993 International Symposium on Seasonal and Long Term Fluctuations of Nival and Glacial Processes in Mountains, Tashkent, Republic of Uzbekistan
- 1993 NSF/PAGES Pole-Equator-Pole Workshop, Panama
- 1993 Science teachers in Global Change, Columbus, OH.
- 1993 Richard Foster Flint Distinguished Lecture Series, New Haven, CT.
- 1992 The American Society of Limnology and Oceanography, Santa Fe, NM.

1992 Seminar series, Miami University
 1992 Seminar series, Cornell University
 1992 American Institute of Professional Geologists, Ohio Section Annual Banquet
 1992 Distinguished Lecture Series. Northern Arizona University
 1991 Medieval Warm Period Workshop, Tucson, AZ.
 1991 International Union for Quaternary Research, XIII International Congress, Beijing, China.
 1991 Japan - U.S. Workshop on Global Change Research, Tsukuba, Japan
 1990 University of Arizona Global Change Lecture Series
 1990 Workshop on Climate Variability of the Eastern Pacific and Western North America, Monterey, CA.
 1990 Workshop on Paleoclimatic Aspects of El Niño/Southern Oscillation, Boulder, CO.
 1989 PACLIM, Monterey, CA.
 1989 National Center for Office of Interdisciplinary Earth Sciences
 1989 Tropical Oceans and Global Atmosphere Advisory Board
 1989 Global Change Institute on Trace Gases and the Biosphere, Snowmass, CO.
 1989 Symposium on Ice and Climate, International Glaciological Society, Seattle, WA.
 1989 US/USSR Glaciology Workshop, Washington, D.C.
 1988 Invited lecture, Lamont-Doherty, Palisades, NY.
 1988 Jacob Bjerknes Symposium on Air-Sea Interactions, 68th Annual Meeting of the AMS, Anaheim, CA.
 1988 NSF-NOAA Paleo-Ecology Workshop, Boston, MA.
 1988 First International Congress in Geography of the Americas, Lima, Peru
 1988 Conferencia Cientifica, SENAMHI, Lima, Peru
 1988 European Geophysical Society, XIII General Assembly, Bologna, Italy
 1988 Workshop on Ground Penetrating Radar, Geological Survey of Canada and Federal Panel for Energy Research and Development, Ottawa, Canada
 1988 National Museum of the Natural Sciences, Climate Change Project, Ottawa, Canada
 1988 Global Change Research Institute, Snowmass, CO.
 1987 Fourth Conference on Climate Variations: Baltimore, MD.
 1987 The Moore Lecture, The University of Virginia, Charlottesville, VA.
 1987 Fourth Workshop on Climate Variability of the Eastern North Pacific and Western North America, Pacific Grove, CA.
 1987 NSF Climate Workshop. Hedgesville, WV.
 1987 Historical Climate Data Workshop, National Academy of Sciences, Washington, D. C.
 1987 City Club, Marshall University
 1986 USGS Workshop on Climatic Variability of the Eastern North Pacific and Western North America, Monterey, CA.
 1986 NASA Scientific Colloquia. Goddard Space Flight Center
 1986 Chapman Conference on El Niño and International Symposium, Guayaquil, Ecuador.
 1986 American Anthropological Association, 85th Annual Meeting, Philadelphia, PA.
 1985 NATO/NSF Workshop on Abrupt Climatic Change. Biviers, France.
 1984 Seminar de la Geologia Nacional, Lima, Peru.
 1982 Lunar and Planetary Institute Workshop on Antarctic Glaciology and Meteorites
 1981 International Geoscience and Remote Sensing Symposium, Washington, D.C.
 1979 International Union of Geodesy and Geophysics Symposium Canberra, Australia.

1978 IV Congreso Peruano de Geologia, Lima, Peru.

Internal University Appointments - The Ohio State University

- 2009 Search Committee Chair, Search for Director of School of Earth Sciences
- 2007 Search Committee Member - Search for Director of Byrd Polar Research Center
- 2005 Chairman, Internal Review Committee: School of Natural Resources
- 2003-05 Department of Geological Sciences Strategic Planning Committee
- 2005 University Change Steering Committee
- 2002-03 President and Provost Advisory Committee
- 2002-03 Dean of the College of Math and Physical Sciences Advisory Committee
- 2001-02 University Committee for establishing a University wide environmental program on Climate Change and Environmental Research Initiative (CCERI)
- 2000-02 University Oversight Committee: The John Glenn Institute of Public Service and Public Policy
- 1999-00 Departmental Selective Investment Committee
- 1998-99 Health and Safety, Department of Geological Sciences
- 1998-99 College of Math and Physical Sciences Promotion and Tenure Committee Member
- 1998-99 Department of Geological Sciences Chairman Search Committee
- 1998-99 College of Math and Physical Sciences, Environmental Initiative Committee
- 1997-00 Chairman, Search Committee for Environmental Isotope Geochemistry position for the Department of Geological Sciences
- 1997-03 Chairman, Department of Geological Sciences Advisory Committee
- 1996 Chairman, Department Geological Sciences and the College of Math and Physical Sciences Promotion and Tenure Committees
- 1996 College of Math and Physical Sciences Promotion and Tenure Committee Member
- 1995 Committee on Environmental Sciences and Engineering Provost Ad Hoc
- 1995 Department of Geological Sciences and the College of Math and Physical Sciences Promotion and Tenure Committees
- 1995 Dean of College of Math and Physical Sciences Faculty Advisory Committee
- 1994 Graduate Studies Committee, OSU Department of Geological Sciences
- 1990 OSU Review Committee for University Grants
- 1990 OSU College of Math and Physical Sciences Interdisciplinary Committee
- 1988 OSU Vice Provost Committee to Review Status of Research Positions, Librarians, etc.

Abstracts/Meeting Presentations (1995-2014)

- 2014 Co-Covener: AGU Annual Meeting Session: Global Changes 1 (along with Tandong Yao, Bernd Wünnemann and Volker Mosbrugger. December 18, San Francisco, CA.
- 2014 Lonnie G. Thompson, Donaldi Permana, Ellen Mosley-Thompson and Mary Elizabeth Davis (presenter, Lonnie Thompson). *Climatic Teleconnections Recorded by Tropical Mountain Glaciers*. In Climate Change in Mountains: Elevational Dependency and Diverse Impacts 1, AGU Meeting, December 16, San Francisco, CA (150 people).

- 2014 Wegner A., P. Gabrielli, J.D. Barker, R. Sierra Hernandez, E. Beaudon, L.G. Thompson (Lonnie Thompson, presenter).. *Two Centuries of Trace Element De³position at the Top of the Himalaya: Natural Background vs. Anthropogenic Pollution* (Invited), In The Third Pole Environment, Global Changes II, AGU Meeting, Dec. 17, San Francisco, CA (100 people).
- 2014 Ninglian Wang, Tandong Yao, Lonnie G. Thompson (Lonnie Thompson, presenter). *Dust Records in Ice Cores from the Tibetan Plateau* (Invited), In Climate Change in Mountains: Elevational Dependency and Diverse Impacts 1, AGU Meeting, December 16, (150 people).
- 2014 APECS Cryosphere Career panel discussion participant. AGU Meeting, Dec. 17, San Francisco, CA (100 graduate students and post docs).
- 2014 Ellen Mosley-Thompson, Lonnie G. Thompson, Stacy E. Porter, Bradley P. Goodwin and Aaron Wilson (Lonnie Thompson, presenter). *Valuable Insights from Concordant and Discordant ice Core Histories* (Invited) in Global Climate Change and Cryospheric Systems 1, Global Climate Change: AGU Meeting, December 17, San Francisco, CA (200 people).
- 2014 Bird B.W, P.J. Polissar, Y Lei, L.G., Thompson, T.Yao , B. Finney, D. Bain, D.P. Pompeani, and B.A. Steinman (Lonnie Thompson, presenter). *Lake Sediment records of Indian summer monsoon variability during the Medieval Climate Anomaly and Little Ice Age: Support for a late Holocene pluvial event on the southeastern Tibetan Plateau* (Invited) in Global Climate Change and Cryospheric Systems 1, Global Climate Change: AGU Meeting, December 17, San Francisco, CA (100 people).
- 2014 Lonnie Thompson, Ellen Mosley-Thompson, M.E. Davis, Don. V. Kenny and P.N. Lin (Lonnie Thompson, presenter). *Climate, ENSO and Black Swans over the Last Millennium*. AGU Meeting, December 18, San Francisco, CA (100 people).
- 2014 Lonnie G. Thompson, Ellen Mosley-Thompson, Mary E. Davis, Don Kenny and Pingnan Lin (Lonnie Thompson, presenter). *Third Pole climate linkages documented by ice core-derived stable isotopes, ENSO, droughts and human history over the last millennium*. 5th Third Pole Environment Workshop, *Third Pole Environment: The Dynamics and Global Linkages*, Max-Planck-Gesellschaft, December 8, Berlin, Germany (300 people).
- 2014 Anna Wegner, Paolo Gabrielli, Joel D. Barker, Roxana Serra, Emilie Beaudon, Lonnie G. Thompson (Lonnie Thompson, presenter). *Two Centuries of trace element and black carbon deposition at the top of the Himalaya: natural background vs. anthropogenic pollution*. 5th Third Pole Environment Workshop, *Third Pole Environment: The Dynamics and Global Linkages*, Max-Planck-Gesellschaft, December 9, Berlin, Germany (200 people).
- 2014 E. Beaudon, P. Gabrielli, R. Sierra Hernandez, A. Wegner, L.G. Thompson. AGU Poster in The Third Pole Environment, Global Changes II. *Characterization of atmospheric trace elements in the Puruogangri ice core: a preliminary account of Tibetan Plateau environmental and contamination histories*, AGU Meeting, December 18, San Francisco, CA.
- 2014 R. Sierra Hernandez, P. Gabrielli, E. Beaudon, A. Wegner, L. G. Thompson. AGU Poster in The Third Pole Environment, Global Changes II. *Trace Element Determination from*

- the Guliya Ice Core to Characterize Aerosol Deposition over the Western Tibetan Plateau during the Last 500 Years*, AGU Meeting, December 18, San Francisco, CA.
- 2013 Co-Convenor: Session: Environment and Eco-system Changes in the Third Pole and Other Mountain Regions I & II (GC32B and GC31E). Fall AGU 2013, San Francisco, CA, Dec. 9-13.
- 2013 Thompson, L.G., E. Mosley-Thompson, M.E. Davis, D.V. Kenny and P.-N. Lin. Two Extreme Climate Events of the Last 1000 years Recorded in Himalayan and Andean Ice Cores: Impacts on Humans. (Keynote). AGU Fall Meeting. San Francisco, CA, Dec. 9-13. (100 people)
- 2013 Thompson L.G., T. Yao, E. Mosley-Thompson, M.E. Davis and P.-N. Lin. Complexity of Himalayan Glacier Response Today and in the Past. (Invited) AGU Fall Meeting. San Francisco, CA, Dec. 9-13. (150 people)
- 2013 Zhi Liu, T. Yao; L.G. Thompson, V. Mosbrugger, F. Zhang, Y. Ma, X. Yang, W. Wang, D. Joswiak, X. Liu, L.P. Devkota, S. Tayal and T. Luo. Third Pole Environment (TPE): A new frontier for interdisciplinary research. AGU Fall Meeting. San Francisco, CA, Dec. 9-13.
- 2013 Bird, B.W., P.J. Polisar, Y. Lei, L.G. Thompson, T. Yao, B.P. Finnelly, D. Bain, D. Pompeani, B.A. Steinman. A Tibetan Lake Sediment Record of Holocene Indian Summer Monsoon Variability. AGU Fall Meeting, San Francisco, CA, Dec. 9-13. (100 people)
- 2013 Wegner A., P. Gabrielli, J. Barker, and L.G. Thompson. A new trace element record from the Himalayan Dasuopu Ice Core covering the past 2 centuries: Preliminary results. Fall AGU 2013, San Francisco, CA, Dec. 9-13.
- 2013 Donnellan, A., J. Green, B. Bills, J. Goguen, A. Ansar, E. De Jong, T. Painter, R. Knight, B. Hallet, T. Scambos, L.G. Thompson and P. Morin. Global Monitoring of Mountain Glaciers Using High-Resolution Spotlight Imaging from the International Space Station. AGU Fall Meeting, San Francisco, CA, Dec. 9-13.
- 2013 E. Mosley-Thompson, B.P. Goodwin, R. Sierra, P. Lin, D. Miller, L.G. Thompson, D.V. Kenny, Climate Variability in the Antarctic Peninsula: Insights from the 2010 Bruce Plateau Ice Core. AGU Fall Meeting, San Francisco, CA, Dec. 9-13.
- 2013 Uglietti, C. P. Gabrielli, L.G. Thompson. Detailed history of atmospheric pollution in South America as recorded by trace elements in the Quelccaya ice core. AGU Fall Meeting. San Francisco, CA, Dec. 9-13.
- 2013 P. Gabrielli and 18 others including L.G. Thompson. Revealing a high altitude paleoclimate record from Southern Europe. AGU Fall Meeting. San Francisco, CA, Dec. 9-13.
- 2013 Pardee Keynote Sessions: 125th Anniversary of GSA. Earth's Climate History as Recorded in Glaciers and Ice Caps on the World's Highest Mountains. Denver, Colorado, October 27-30. (Invited)
- 2013 Zangorodnov, V. and L.G. Thompson. Ice coring of polythermal glaciers. 7th International Workshop on Ice Drilling Technology, Pyle Center, University of Wisconsin, Madison, WI, September 9-13.
- 2013 Zagorodnov, V., S. Tyler, D. Holland, A. Stern, L.G. Thompson, C. Sladek and S. Kobs. Thermodynamics of access boreholes in Ross Ice Shelf studied with DTS sensors. 7th

- International Workshop on Ice Drilling Technology, Pyle Center, University of Wisconsin, Madison, WI, September 9-13.
- 2013 Zagorodnov V., L.G. Thompson, S. Tyler, V. Mikhaleenko. New applications of hot point drills. 7th International Workshop on Ice Drilling Technology, Pyle Center, University of Wisconsin, Madison, WI, September 9-13.
- 2013 Zagorodnov, V., L.G. Thompson. Mechanical ice core drilling at temperatures close to the pressure melting point. 7th International Workshop on Ice Drilling Technology, Pyle Center, University of Wisconsin, Madison, WI, September 9-13.
- 2013 Blanca Leon, K. R. Young, M. Arakai, B.A. Gould and L.G. Thompson. Retroceso glaciar y las oportunidades de entender el pasado I, Symposium of Paleontology, September 7, Lima, Peru.
- 2013 Uglietti C., P. Gabrielli, L. Thompson, Detailed history of atmospheric pollution in South America as recorded by trace elements in the Quelccaya Ice Core. Goldschmidt Conference, Florence, Italy. (Aug. 25th-30th)
- 2013 Gabrielli, P. and 19 others including L.G. Thompson, Revealing a high altitude paleoclimate record from Southern Europe, Goldschmidt Conference, Florence, Italy (Aug. 25th-30th)
- 2013 Thompson L.G., T. Yao, E. Mosley-Thompson and P.-N. Lin . Large-scale teleconnections as recorded in climate records of low-to mid-latitude mountain glaciers. International Glaciological Society, Beijing, China (Keynote, July 30, 2013)
- 2012 Cold ice relicts embedded in apparently temperate glaciers contain intact climate records. Authored by the Ortles Project Community Members (Lonnie G. Thompson, Member), International Partnership in Ice Core Science Meeting.
- 2012 Kehrwald, N.M., P. Zennaro, R. Zangrando, P. Gabrielli, L.G. Thompson, M.E. Davis, E. Barbaro, A. Gambaro and C. Barbante. Fire in Ice: Implications for the Global Carbon Cycle.
- 2012 Mosley-Thompson, E.S., Thompson, L.G. Global cryospheric loss: An overview of the issue. EcoSummit, 2012. Oct. 1st, Columbus, OH.
- 2012 Bird, B.W., Y. Lei, L.G. Thompson, T. Yao and B. Finney. Long-term and abrupt Holocene climate change on the southeastern Tibeatan Plateau from a decadal resolved lake sediment record. AGU Fall Meeting.
- 2012 Tandong, Y., L.G. Thompson, V. Mosbrugger and Y. Sheng. Conveners of session GC051. The Third Pole Environment (TPE) under Global Changes for the AGU Fall Meeting.
- 2012 Porter, S.E., E. Mosley-Thompson and L.G. Thompson. Evidence for Pacific Climate Regime Shifts as Preserved in a Southeast Alaska Ice Core. AGU Fall Meeting.
- 2012 Thompson, L.G., T. Yao, E. Mosley-Thompson and P.- N. Lin. Long-distance relationship between large-scale tropical SSTs and ice core-derived oxygen isotopic records in the Third Pole Region. AGU Fall Meeting.
- 2011 Thompson, L.G., Yao, T., Mosley-Thompson, E.S. and Davis, M.E. Third Pole Glaciers and Ice Core Records of Past, Present and Future Climate (invited). EOS Trans. AGU.
- 2011 Thompson, L.G., Mosley-Thompson, E.S. and Davis, M.E. Tropical Glaciers in the Common Era: Papua, Indonesia, Quelccaya Ice Cap, Peru and Kilimanjaro, Tanzania (invited). EOS Trans. AGU.

- 2011 Makou, M., Thompson, L.G., Davis, M.E. and Eglinton, T.I. A century of Amazon burning driven by Atlantic climate. EOS Trans. AGU.
- 2011 Wang, N., Yao, T. and Thompson, L.G. Study on the influence of monsoon, westerly and snow cover on the dust concentration in snow in the Himalaya as reflected by the Dasuopu ice core record. AGU (poster).
- 2011 Bird, B., Yanbin, L., Thompson, L.G. and Yao, T. Lacustrine records of late Holocene climate change in the southeastern Tibetan Plateau, Nyainqentanglha Mountains: Initial sedimentology and chronology results. AGU (poster).
- 2011 Buffen, A.M., Hastings, M.G., Thompson, L.G. and Mosley-Thompson, E.S. Assessing post-depositional alteration and the integrity of ice core nitrate-N and -O isotopic records at the Quelccaya Ice Cap, Peru. AGU (poster).
- 2011 Thompson, L.G. Third Pole Glaciers, Records and Indicators of Climate Change, Third Pole Environment (TPE) Workshop, Volume 3, August 29-September 1, Reykjavik, Iceland.
- 2011 Thompson, L.G. A glacier Paleoclimate Perspective for the Holocene from the World's Highest Mountain. INQUA Quaternary Sciences, The View from the Mountains, July 21-27th, Bern, Switzerland (invited).
- 2011 Jensen, B.J.L., Cooke, C.A., Froese, D.G. and Thompson, L.G. Regional correlation of the AD 1600 Huaynaputina tephra: Integrating archaeological, ice core and lacustrine records. INQUA Quaternary Sciences, The View from the Mountains, July 21-27th, Bern, Switzerland.
- 2011 Kehrwald, N., Zangrando, R., Thompson, L.G., Zennaro, P., Barbaro, E., Gambaro, A. and Barbante, C. Decadal-scale changes in East Africa fire activity for the past 4000 years. INQUA Quaternary Sciences, The View from the Mountains, July 21-27th, Bern, Switzerland (poster).
- 2011 Thompson, L.G. Climate Change: The Evidence and Our Options, Charles David Keeling Memorial Lecture abstract, University of San Diego, CA, May 9th.
- 2010 Gabrielli, P., Kehrwald, N.M., Cozzi, G., Barbante, C., Thompson, L.G., Determination of atmospheric trace elements in Kilimanjaro ice to reconstruct regional African aerosol history. AGU (poster).
- 2010 Kehrwald, N.M., Zangrando, R., Gabrielli, P., Gambaro, A., Thompson, L.G. Barbante, C., Fire activity in Eastern Africa during the last 4000 years EOS Trans. AGU.
- 2010 Kehrwald, N., Zangrando, R., Gambaro, A., Cescon, P., Thompson, L.G., Gabrielli, P., Barbante, C., Fire emission reconstruction in Africa during the last 500 years; A pilot study, Geophysical Research Abstracts, 12 EGU 2010-1866.
- 2010 Kehrwald, N., Zangrando, R., Gambaro, A., Cescon, P., Thompson, L.G., Gabrielli, P., Barbante, C., Organic biomarkers reconstruct regional fire history in Kilimanjaro ice cores, Global Change and the World's Mountains Proceedings, Perth, Scotland, 20-30 September, 2010.
- 2010 Thompson, L.G. T. Yao, M. Davis and E.S. Mosley-Thompson. (2010) Ice core records of past climate and evidence for present and future glacier loss across the Third Pole. EOS Trans. AGU.
- 2010 Bird, B. W., L.G. Thompson, T. Yao (2010) At the gates of Indian Summer Monsoon: Reconstructing 2000 years of Indian Summer Monsoon variability from high-resolution Tibetan Lake Sediments, Eastern Himalaya. AGU (poster).

- 2010 Thompson L.G., E.S. Mosley-Thompson, M.E. Davis, P. Lin (2010) A 1700-year record of tropical sea surface temperatures and high-altitude Andean climate derived from the Quelccaya Ice Cap, Peru (invited) EOS Trans., AGU.
- 2008 Thompson, L.G., Thompson, E.M., Buffen, A., Urmann, D., Davis, M. and Lin, P-N. *Tropical Glaciers: Recorders and Indicators of Climate Change*, EOS Trans., AGU, 89 (53) Fall Meet. Suppl. Abstract GC12A-05, invited.
- 2008 Thompson, L.G., Yao, T., Davis, M., Kehrwald, N. and Thompson, E.M. *Tibetan Glaciers as Integrators and Sentinels of Climate Change*, EOS Trans., AGU, 89 (53) Fall Meet. Suppl. Abstract GC11B-07, invited.
- 2008 N. Graham, J. Esper, D. Frank, M. Hughes, L. Thompson, V. Trouet. *A stronger winter NAO during Medieval time: European/North Atlantic climate during the past millennium as seen in proxy-guided coupled model-based reconstructions*. EGU. Jones and Mann Session.
- 2007 Thompson L.G. Frontiers of Geophysics Lecture U35A: *Abrupt Climate Change and Our Future*. AGU Fall Meeting. Dec 12. San Francisco, CA (invited).
- 2007 Thompson, L. E.S. Mosley-Thompson, M.E. Davis, D. Urmann, A. Buffen Ice Core *Evidence for Amplification of the Recent Warming at High Elevations in the Tropics and the Likely Regional Impacts*. AGU Fall Meeting, December 14. San Francisco, CA (invited).
- 2007 Thompson, L.G., M.E. Davis, T. Yao, N. Kehrwald, P. Lin. *Ice-Core Evidence of Holocene Climatic and Environmental Variations Across Tibet*. AGU Fall Meeting, Dec. 12, San Francisco, CA.
- 2007 Makou M.C., L.G. Thompson, T.I. Eglinton. *Molecular Markers in the Quelccaya Ice Cap, Peru Describe 20th Century Biomass Burning Variability*. AGU Fall Meeting, December 13, San Francisco, CA.
- 2007 Thompson L.G., A. M. Buffen, M.E. Davis, N. M. Kehrwald, E. Mosley-Thompson, P.-N. Lin and D. H. Urmann. *1500-year Climate and Environmental Ice-Core Records from the Tropical Pacific Rim*. Workshop on Climatic Changes in the Last 1500 Years: Their Impact on Pacific Islands. NOAA IDEA & East-West Center, November 13-14 (abstract page. 21), Honolulu, HI.
- 2006 Urmann, D., Y.C. Fang and L.G. Thompson. *Tropical Cyclones and Ice Cores: Developing a Long Term Perspective*. Presentation at the American Geophysical Union Annual Meeting, Dec. 14th, San Francisco, CA.
- 2006 Thompson, L.G., E. Mosley-Thompson, M.E. Davis and A. Buffen. *Glaciological Evidence of Temporal and Spatial Tropical Climate Variability*. Invited presentation at the 2006 American Geophysical Union Meeting, Dec. 12th, San Francisco, CA.
- 2006 Kehrwald, N. M., L.G. Thompson and G.A. Schmidt. *Twentieth Century Warming Recorded in Low-Latitude Ice Cores and GISS ModelE*. Presentation at the American Geophysical Union Annual Meeting, Dec. 14, San Francisco, CA.
- 2004 Thompson, L.G. The Emiliani Lecture: *Tropical Ice Core Evidence for Rapid Holocene Climate Change and Asynchronous Glaciation*. AGU, 85 (47), Fall Meet. Suppl., Abstract PP33C-01.
- 2004 Tandong, Y., L.G. Thompson, M.E. Davis, E.S. Mosley-Thompson, W. Ninglian, T.A. Mashiotto, and X. Baiqing. *A High Resolution Ice Core Record from the Puruogangri Ice Field, Tibetan Plateau*. AGU, 85 (47), Fall Meet. Suppl., Abstract C44A-05.

- 2004 Mikhalenko, V.N., L.G. Thompson, S.S. Kutuzov, S.M. Arkhipov, O.V. Nagornov, and P. Lin. *Recent Climate Change as Documented by Ice Core Evidence, Glacier Retreat, and Borehole Temperatures for the Gregoriev Ice Cap, Central Asia*. AGU, 85 (47), Fall Meet. Suppl., Abstract C51A-1019.
- 2004 Mashiotta, T.A., L.G. Thompson, and M.E. Davis. *The White River Ash: New Evidence From the Bona-Churchill Ice Core Record*. AGU, 85 (47), Fall Meet. Suppl., Abstract PP21A-1369.
- 2004 Kelley, M.A. and L.G. Thompson. *10 Be dating of lated-glacial moraines near the Cordillera Vilcanota and the Quelccaya Ice Cap, Peru*. AGU, 85 (47), Fall Meet. Suppl., Abstract PP23A-1388.
- 2004 Mosley-Thompson, E., C.R. Readinger, L.G. Thompson, P.-N. Lin, and D. Bathke. *Does the PDO affect the climate over Greenland and complicate the reconstruction of NAO variability from ice core records?* AGU, 85 (47), Fall Meet. Suppl., Abstract GC44A-04.
- 2004 Thompson, L.G., E. Mosley-Thompson, P.-N. Lin, M.E. Davis, T.A. Mashiotta, and H.H. Brecher. *Low-latitude mountain glacier evidence for abrupt climate changes*. AGU, 85 (47), Fall Meet. Suppl., Abstract C44A-02.
- 2004 Thompson, L.G., E. Mosley-Thompson, V. Zagorodnov, M.E. Davis, T.A. Mashiotta, and P.-N. Lin. *1500 years of annual climate and environmental variability as recorded in Bona-Churchill (Alaska) ice cores*. AGU, 85(47), Fall Meet. Suppl., Abstract PP23C-05.
- 2004 Thompson, L.G. *Tropical Andean ice core and glacier retreat evidence for abrupt climate change. Second Symposium on Mass Balance of Andean Glaciers Shrinkage in the Andes and Consequences for Water Resources*. July 06-09, Huaraz, Peru. p. 49.
- 2004 Brecher, H.H. and L.G. Thompson. *Measurement of the retreat of Qori Kalis Glacier Peru, by terrestrial photogrammetry*. Second Symposium on Mass Balance of Andean Glaciers Shrinkage in the Andes and Consequences for Water Resources. July 06-09, Huaraz, Peru. p. 51.
- 2004 Thompson, L.G., E. Mosley-Thompson, H.H. Brecher, M.E. Davis, P.-N. Lin, and T.A. Mashiotta. *Abrupt tropical climate change: past and present*. 1st International Clivar Science Conference. June 21-25, Baltimore, Maryland. Page 188.
- 2004 Mosley-Thompson, E. and L.G. Thompson. *High-resolution ice cores provide a multi-century perspective on 20th century climate changes, and Global Warming*. 1st International CLIVAR Conference. June 21-25, Baltimore, Maryland. Page 182.
- 2004 Mikhalenko, V.N., L.G. Thompson, S.M. Arkhipov, M.G. Kunakhovich, S.S. Kutuzov, O.V. Nargornov, A.N. Kikikh, and F.F. Faizrakhmanov. *Glacier recession in the Tien Shan mountains, Central Asia: Ice-core and borehole temperature evidence*. The 4th International Symposium on the Tibetan Plateau, August 4-7, Lhasa, China. p. 103-104.
- 2004 Duan, K., T. Yao, and L.G. Thompson. *Rainfall variability recorded in an ice core from central Tibetan Plateau*. The 4th International Symposium on the Tibetan Plateau, August 4-7, Lhasa, China. p. 94.
- 2004 Li, Z., T. Yao, X. Cunde, H. Shugui, L.G. Thompson, and E. Mosley-Thompson. *A primary study of environmental and climatic records in an ice core recovered from glacier no. 1 at Urumqi River Head, Tiahshan, China*. The 4th International Symposium on the Tibetan Plateau, August 4-7, Lhasa, China. p. 97.

- 2004 Lee, S. and L.G. Thompson. *Ice Archives of Abrupt Climate Change and Climate Forcing*. The first Annual meeting of Comer Fellows and Mentors, IBM New York, New York, April 14 to 17th, 2004.
- 2004 *Tropical Ice Core and Glacier Retreat Evidence for Abrupt Holocene Climate Change Session 70*. Page 37. Northeast and Southeastern Section: The Geological Society of America. March 25-27, 2004 Washington, D.C.
- 2003 *Stable Isotopes on Seasonal to Millennial Time Scales as Recorded in Low-Latitude High-Altitude Ice Cores*. International Symposium on Isotope Hydrology and Integrated Water Resource Management. May 19-23, 2003. IAEA-CN 104/155.
- 2002 *Ice Core Evidence of Past Changes in the Hydrological Cycle of the Tropics and Subtropics*. AGU 2002 Fall Meeting. EOS, Transactions, Vol. 83 No.47 F895.
- 2002 *Tropical and Subtropical Ice Core Climate Records of the Last Two Millennia*. AGU Fall Meeting. EOS, Transactions, Vol. 83, No. 47, F915.
- 2002 The Hadley Circulation: Present, Past and Future. *Tropical ice core records of Changes in symmetry, position and/or intensity of Hadley circulation on glacial to interglacial time scales*. Conference Proceedings. pp. 48.
- 2001 Central Andean Paleoclimate Workshop abstract volume. *Climate records from ice Cores in the Central Andes: Records of long and short term tropical teleconnections of temperature and precipitation*. January, 2001, pp. 32-33.
- 2001 AAAS 2001 Annual Meeting, February 15-20, 2001 Abstract volume: *Disappearing Glaciers Evidence of a Rapidly Changing Earth*. P. A-32.
- 2001 Extended Abstract: Second Wadati Conference on Global Change and the Polar Climate March 7-9, 2001. *Climate Surprises: Lessons from Tropical Ice Cores*. Pages 47-50. Tsukuba Science City, Japan.
- 2001 12th International Hypoxia Symposium. *From Genes to Bedside: Disappearing Glaciers: Evidence of a Rapidly Changing Earth*. pp. 19-20.
- 2001 Proceedings of the International Symposium on Atmosphere-Ocean-Cryosphere Interaction in the Sea of Okhotsk and the Surrounding Environment. *Low Latitude Ice Cores: Contributions to paleoclimatology and understanding climate variability*. Dec. 12-15, 2000 at Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan pp. 124-127. March, 2001.
- 2001 Workshop on Climate Change at High Elevation Sites. *Emerging Impacts (HIGHEST II) Tropical Glacier and Ice Core Evidence of Climatic Change on Annual to Millennial Time scales*. Davos, Switzerland 25-28 June, 2001 pp. 63-64.
- 2001 Global Change Open Science Conference (Amsterdam, The Netherlands, July 10-13, 2001), *Challenges of a Changing Earth. Global Change and Mountain Regions. Tropical Mountain Glaciers: the Melting of the Snows of Kilimanjaro, Quelccaya and Tibet*. Abstracts: p. 68.
- 2001 *Tropical ice core records from the ice fields of Kilimanjaro, ice retreat and synchronous glaciations*. Presented at the International Conference on Past Climate Variability through Europe and Africa, Aix-en Provence, France, Abstract volume, p. 24.
- 2000 *Records of Little Ice Age from mountain ice cores: LDEO NOAA/CORC*. Miniconference on the Little Ice Age and the Medieval Warm period. March 30 and 31, 2000 Lamont/ Columbia University, New York. (Invited).

- 2000 *Climate Records of the tropical ice cores: Laboratory of Ice Core and Cold Regions Environment Cold and Arid Regions*. Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou, China May 9 to 15, 2000 (invited).
- 2000 GeoCanada 2000, Climate change revealed from tropical ice cores from mountain glaciers compared with Polar Regions: evidence for asynchronous glaciations. May 29-June 2, 2000 (Keynote speaker).
- 2000 GeoFest 2000, The Ohio Geographic Society-K-12. *Tropical Ice Core Records of Global Warming*. August 8, 2000. (Keynote speaker)
- 2000 London Quaternary Lectures: *Climate Surprises: Lessons from Tropical Ice Cores* December 6, 2000, The Centre for Quaternary Research, Department of Geography Royal Holloway, University of London. Sponsored by *Quaternary Science Reviews*.
- 2000 AGU Fall 2000: Atmospheric Methane Reconstruction over the past 500 years from Low-mid Latitude ice cores: T. Yao, J. Chappellaz, B. Xu, and L.G. Thompson San Francisco: December 15, 2000.
- 1999 *Ice Core Evidence for Tropical Climate Change: The Role of Water Vapor*, 79th American Meteorological Society Meeting. January 10-15, 1999 Dallas, Texas (invited)
- 1999 *Ice Core Paleoclimatic Histories: Potential for ENSO Reconstruction*. E. M. Thompson, L.G. Thompson, and K. R. Henderson, American Association of Geography, March, 1999 Honolulu, Hawaii
- 1999 *Response of the Dunde Ice-Core Pollen Record to Recent Climatic Changes in the Qinghai-Tibetan Plateau*. Zuju Yao, Kam-biu Liu and L.G. Thompson, American Association of Geography, March, 1999 Honolulu, Hawaii
- 1999 *High Altitude, Low-and Mid-latitude Ice Core Records: Implications for our Future* Thompson, L.G. American Geophysical Union, 1999 Spring, Boston, Massachusetts, p. S142. (Invited)
- 1999 *Tropical Ice Core Records of Past and Current Global Climate Change: Implications for our Future*. XV International Congress INQUA, The Environmental Background to Hominid Evolution in Africa. August, 1999. Durban, South Africa. P. 2. (Plenary Lecture)
- 1999 *Ice and History: Glacial Records of Climate Change*. 59th Annual Meeting: Economic History Association “Shocks.” October, 1999 Baltimore, MD. p. 25. (Plenary Lecture)
- 1999 *Water Vapor and Climate Change: A Tropical Ice Core Perspective*. 2nd AGU Chapman Conference on Water Vapor in the Climate System. October, 1999, Potomac, Maryland p.33. (Invited)
- 1998 Invited participant in the International Science Initiative: Isotopes in the Hydrological Cycle Beatenberg, Switzerland January 15 to 17th, 1998, Presentation, *Record of ENSO in the stable isotope records of Tropical Glaciers* (invited) abstract volume.
- 1998 PAGES PEP 1 meeting Steering Committee: Paper: *Climate of the Last 2000 years in the Tropical Andes of South America*. March 16-20, 1998 Merida, Venezuela (invited) abstract volume. PEP 1 Pole-Equator-Pole Paleoclimate of the Americas (book)
- 1998 PAGES Open Science Meeting: Senate House, University of London (invited) *Ice core evidence for Climate Change in the Tropics: Implications for our future*. Abstract volume. (Book)
- 1998 *Preliminary Results from an Ice Core Paleoclimate Study of Windy Dome, Franz Jose Land (Russia): Reconstruction of a Sea Ice History for the Barents Sea*. K. A.

- Henderson, L. G. Thompson, V. S. Zagorodnov, S. Arkhipov and V. Mikhalevko, *Sea Ice Charts of the Arctic Scientific Achievements from the first 400 years*. August 5-7, 1998 Battelle Seattle Conference Center. Seattle, Washington
- 1998 United Nations Development Program lecture tour of China, Opening paper of International Symposium on the Qinghai-Tibet Plateau Xining, China *Ice core evidence for climate change on the Qinghai-Xizang (Tibet) Plateau: Implications for our Future*. (pg 8): International Symposium and Field Workshop on Paleosols and Climatic Change. July 27th-30th, Lanzhou University, Lanzhou, China. *Dust and climate change*. Xian Key National Lab of Loess, Xian, China July 31.
- 1998 *Dust Aerosols, Loess Soils, and Global Change*. October 11-14, Mary E. Davis and Lonnie G. Thompson, Seattle, Washington
- 1998 *Dust Records from a Global Array of Ice Cores: What do they tell us about the last 30,000 years?* 1998 GSA Annual Meeting October 26-29.
- 1998 *Tropical Ice Core Histories : The Last 30,000 Years*, Fall AGU 1998, San Francisco (Invited) EOS, Transactions, AGU, 79(45), p. F178.
- 1998 *Ice Cores as Archives for Microorganisms*: Fall AGU 1998, San Francisco (E. Mosley-Thompson, B.C. Christner, J.N. Reeve, K. Sandman, L.G. Thompson, and V. Zagorodnov) EOS, Transactions, AGU, 79(45), F61.
- 1998 *Climatic and Snow Geochemical Variations at the Summit of Nevado Sajama, Bolivia* Fall AGU 1998, San Francisco (Douglas R. Hardy, Mathias Vuille, Lonnie G. Thompson and Raymond S. Bradley) EOS, Transactions, AGU, 79(45), F148.
- 1998 *Confirmation of Glacial age ice and Parameterization of Climatic Processes*. Fall AGU 1998 (R. Kramer Campen, Todd A. Sowers and Lonnie G. Thompson) EOS, Transactions, AGU, 79(45), F148.
- 1997 L.G. Thompson, *Tropical Climate Instability: The Record from Ice Cores*. 1997 Spring Meeting AGU p. S195 (invited: AGU).
- 1997 L.G. Thompson, *The Last Glacial Cycle from a Qinghai-Tibetan Ice Core: Implications for the Tropical Hydrologic Cycle*, 1997 Fall Meeting AGU p. F 44 (invited)
- 1995 L.G. Thompson, J. Beer, E. Mosley-Thompson, M.E. Davis & M.W. Slattey. *Solar Variability as Determined from Low Latitude-High Elevation Ice Core Records*. 1995 Fall Meeting AGU p. F93 (invited).
- 1995 L.G. Thompson, M.E. Davis, E. Mosley-Thompson and K.A. Henderson. *Ice Core Records of Abrupt Climate and Environmental Changes in the last 10,000 years from the Tropical Andes, Peru*. 1995 Fall Meeting AGU p. F283 (invited).

Advising and Mentoring of Students and Post-Docs

Current: Donald Permana (PhD 2015); Karl Philippoff (M.S.2013)

MS Students: Katelyn Johnson (2012); Donald Permana (2011); Elizabeth Birkos (2009) Aron Buffen (2008); Paul Dickfoss (1996)

PhD Students: Natalie Kehrwald (2009); David Urmann (2009); Mary Davis (2002); Keith Henderson (2002);

Post Docs: Kequin Duan (2006-2007); Y.C. Fang (2004-2006); Sangsuk Lee (2003-2006); Matthew Makou (2007-2012); Broxton Bird (2009-2011); You-Qing Wang (2010-2012); Chiara Uglietti (2012-2013); Anna Wegner (2013-2014)

Student and Post-Doc Honors/Recognition

2012 Uglietti, Chiara. 7th Annual International Scholar Research Exposition, The Ohio State University, Bricker Hall, Nov. 5 – Dec. 31. Poster entitled, *Recent environmental change as recorded by Andean ice-core glacio-chemistry*, Columbus, OH.