

## CURRICULUM VITAE

### RAYMOND S. BRADLEY

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### Education (earned degrees)

D.Sc. 2003	University of Southampton, England
Ph.D. 1974	University of Colorado, Boulder
M.A. 1971	University of Colorado, Boulder
B.Sc. 1969	University of Southampton, England

### Positions

2002+	University Distinguished Professor, University of Massachusetts
2014-2017	Professor II, Dept of Earth Science, University of Bergen, Norway
2005-2010	Honorary Professor, Lancaster University, U.K.
1993-Jan 2003	Head, Dept of Geosciences, University of Massachusetts, Amherst.
1986+	Director, Climate System Research Center, University of Massachusetts,
1986+	Life Member, Clare Hall, Cambridge University
1984 -2002	Professor, University of Massachusetts, Amherst.
1978-1984	Associate Professor, University of Massachusetts, Amherst.
1979-1980	Visiting Scholar, Scott Polar Research Institute, Cambridge University, England.
1975-1978	Assistant Professor, University of Massachusetts, Amherst.
1973 - 1975	Instructor, University of Massachusetts, Amherst.

### Research Interests

Climatic variability (instrumental and paleoclimatic time scales); global change; methods of paleoclimatic reconstruction; arctic environments.

### Awards, Honors

2019	Royal Society of Canada—elected International Fellow
2016	Academia Europaea (Academy of Europe)—elected Foreign Member
2016	Doctor of Science <i>honoris causa</i> , University of Bern, Switzerland
2014	Zuckerberg Endowed Leadership Chair
2013	Doctor of Science <i>honoris causa</i> , Queen's University, Canada
2009	Association for the Advancement of Science (AAAS)—elected Fellow
2008	Finnish Academy of Science and Letters—elected Foreign Member
2007	Hans Oeschger Medal, European Geosciences Union (EGU)
2006	Doctor of Science <i>honoris causa</i> , Lancaster University, U.K.
2005	American Geophysical Union (AGU)—elected Fellow
2005	Outstanding Research Award: College of Natural Sciences & Mathematics
1995	Chancellor's Medal, University of Massachusetts (University's highest award).
1994	Arctic Institute of North America—elected Fellow

**Appointments, Committees: 1986-present**

2016-2019	PalMod: German Paleoclimate Modeling Initiative: Scientific Advisory Board
2015-2019	European Research Council
2014-2016	Mountain Research Initiative, Bern, Switzerland: Science Leadership Council
2010-2015	International Geosphere Biosphere Programme (IGBP): Scientific Committee
2009-2012	American Geophysical Union: Vice-Chairman, Global Environmental Change; Member, AGU Council
2005-2012	Bjerknes Centre for Climate Research, Bergen, Norway: Scientific Advisory Board
2002-2010	Max-Planck Institute for Meteorology (Hamburg) Advisory Council
2000+	Editorial Advisory Boards: current: <i>Quaternary</i> , <i>Journal of Earth Environment</i> , <i>J. Paleolimnology</i> , <i>The Holocene</i> ; formerly: <i>Boreas</i> , <i>J. Quaternary Science</i> , <i>Key Issues in Environmental Change (Arnold)</i> , <i>Advances in Global Change Research (Kluwer)</i> , <i>Developments in Paleoenvironmental Research (Springer)</i> ;
2000-2012	Swiss “National Centers for Competence in Research-Climate” Advisory Board
2006-2007	Institute of Arctic and Alpine Research, Boulder: Scientific Advisory Board
2000-2005	NOAA Climate Change Data & Detection (C <sup>2</sup> D <sup>2</sup> ) Advisory Panel
2002-2004	Associate Editor, <i>J. Geophysical Research (Atmospheres)</i>
2000-2004	Arctic Research Consortium of the United States (ARCUS): Board of Directors
1990-1998	International Geosphere Biosphere Programme (IGBP) PAGES Scientific Steering Committee and Executive Committee (SSC Chairman, 1996+); Member of IGBP SSC, 1996+.
1994-1998	National Research Council, National Academy of Sciences: Panel on Decade-to-Century-Scale Climate Variability.
1994-1998	NSF Earth System History Advisory Panel.
1994-1996	U.S. Project Leader, Paleoclimatology, Working Group 8: U.S./Russia Convention on Protection of the Environment.
1990-1993	NOAA Climate and Global Change Advisory Panel.
1991	Evaluation committee: Swedish National Research Council: National research in physical geography
1988-1994	Secretary, INQUA Paleoclimate Commission
1989-90, 1994-95	Member of the Inter-Governmental Panel on Climate Change (I.P.C.C.)
1992-3	PALE (Paleoclimate of Arctic Lakes and Estuaries) Steering Committee
1988-1990	Chairman, National Geophysical Data Center (NOAA) Paleoclimate Advisory Panel
1989	U.S. delegate, Working Group 8: U.S./U.S.S.R. meeting on development of data sets for detecting climatic change, Obninsk, U.S.S.R.
1986 - 1989, 1994-96	American Quaternary Association: Council Member.

- 1986 U.S. delegate to Working Group 8, Project 11 of the U.S./U.S.S.R. Bilateral Agreement on Protection of the Environment "*Meeting of Experts on Causes of Recent Climatic Change*" Leningrad, U.S.S.R.
- 1983 - 1986 National Research Council, National Academy of Sciences: Committee on Monitoring and Assessment of Trends in Acid Deposition.
- 1984 - 1987 American Meteorological Society: Committee on Climatic Variations.

**Invited/Keynote Talks (since 2003)**

- 2019 Stoney Brook University, Oct 18 (invited)
- 2019 Woods Hole Oceanographic Institution, March 5 (invited)
- 2019 Union College, New York; February 20 (invited)
- 2018 Institute of Earth Environment, Xi'an, China; October 9-10 (invited)
- 2018 *4.2ka BP Workshop*, University of Pisa, Italy; January 9 (invited)
- 2017 Lamont Earth Institute, Columbia University (invited)
- 2017 *Little Ice Age: Origins and Impacts Symposium*, University of Colorado, Boulder; November 3 (invited)
- 2017 Dept of Archeology, University of Reading, U.K., October 4 (invited)
- 2016 *Hans Sigrist Symposium*, University of Bern, Switzerland, December 2 (invited)
- 2016 *MtClim 2016 (Mountain Climate Conference)* Leavenworth, Washington, October 18<sup>th</sup> (keynote)
- 2016 *Miller Worley Center For the Environment*, Mount Holyoke College, October 6 (invited)
- 2016 *Xudan Forum*, Nanjing Normal University, Nanjing, China, March 28 (keynote)
- 2016 *Research Institute for Humanity and Nature*, Kyoto, Japan, March 24 (invited)
- 2016 *Association of Japanese Geographers*, Waseda University, Tokyo, Japan, March 22 (keynote)
- 2015 *Horizon lecture*, University of Bergen, Norway, October 15 (invited)
- 2015 *Mountains of the Future Earth Conference*, Perth, Scotland: October 6th (keynote)
- 2015 *Earth Week Lecture Series*, Salem State University, Salem, MA: April 16 (invited)
- 2015 *Climate & Energy Institute*, Yale University, New Haven: April 3 (invited)
- 2015 *Amherst Woman's Club & League of Women Voters*, Amherst, MA: March 26 (invited)
- 2015 Senate Standing Committee on Global Warming and Climate Change, *Oversight Hearing on Climate Change Resiliency*, State House, Boston: March 25 (invited)
- 2014 *Third Pole Environment Workshop*, Berlin Germany: December 8-9 (invited).
- 2014 International conference on *Climate Change and Societal Disruption*, Urbino, Italy: June 17-21 (invited)
- 2014 Conference on *Future and Past Solar Influence on the Terrestrial Climate: Physical Meteorological Observatory*, Davos, Switzerland: May 20-23 (invited)
- 2014 Amherst College: May 5 (invited)
- 2014 *Northeastern Storms Conference*, Rutland Vermont: March 9 (invited)
- 2013 *University of Pittsburgh/Carnegie Museum of Natural History*: October 3 (invited)
- 2013 *Swiss Global Change Day, Bern*: April 16 (invited)
- 2013 *Institut nationale de recherche scientifique*, Quebec City Canada: April 4 (invited)
- 2013 Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland: *Landolt Private Bank, Keynote Lecture*: March 26
- 2013 Episcopal Diocese of Massachusetts, Longmeadow (invited)
- 2012 Fundación Ramón Areces, Madrid: November 12 (invited)
- 2012 University of Bern, Switzerland: October 12 (invited):
- 2012 University of Venice, Italy: October 9 (invited)
- 2012 International Conference on *Culture, Climate Change and Politics*, University of Colorado, Boulder: September 13<sup>th</sup> (keynote, plenary)

- 2012 *Boston Globe Forum*, Boston Public Library: April 12 (invited)
- 2012 Amherst College: *Keck Symposium*: April 7 (keynote)
- 2012 University of Texas, Corpus Christi: February 24 (keynote)
- 2011 University of Bremen, Germany: November 10 (invited)
- 2011 Nanjing University: October 20 (invited)
- 2011 Chinese Academy of Sciences Earth Institute, Xi'an: October 17 (invited)
- 2011 *International Symposium on Changes in the Cryosphere, Water Resources and Sustainable Development*, Urumchi, China: October 6 (keynote)
- 2011 Institut D'Estudis Catalans, Barcelona: May 6 (invited)
- 2010 M.I.T. *Global Change Forum*, Brussels, October 20 (invited)
- 2010 Luso-American Foundation: *The Medieval Warm Period Redux*, Lisbon, September 23 (invited)
- 2010 Institute of Catalan Studies, Barcelona, April 29 (invited)
- 2010 Commonwealth College, University of Massachusetts, Inaugural Daffodil Lecture Series (keynote), April 24, 2010.
- 2010 Massachusetts Association of Conservation Commissioners, Annual Meeting, Worcester, Massachusetts, February 27 (keynote)
- 2010 International Glaciological Conference: *Ice and Climate Change*, Valdivia, Chile: February 3 (invited)
- 2009 *Chief of Naval Operations Strategic Studies Group*, Naval War College, Newport, Rhode Island: November 6 (invited)
- 2009 Unitarian/Universalist Society of Amherst, Amherst, MA : Oct. 18 (invited)
- 2009 *17<sup>th</sup> International Northern Research Basins Symposium*, Baffin Island: Aug 13
- 2009 *Bertram Berger Seminar*, Boston Society of Civil Engineers, Boston: May 14
- 2009 Institut D'Estudis Catalans, Barcelona: April 29 (keynote)
- 2009 Cooperative Institute for Research in Environmental Sciences (CIRES) Distinguished Lecture Series, Boulder CO: April 18 (invited)
- 2009 University of Arkansas, Fayetteville: April 3 (invited)
- 2008 *Chief of Naval Operations Strategic Studies Group*, Naval War College, Newport, Rhode Island: November 17 (invited)
- 2008 *Green Dubai World Forum 2008*, Dubai: October 25 (keynote)
- 2008 *Pontificia Universidad Católica del Peru, Lima*: June 17 (keynote)
- 2007 Chemical Society of the Catalan Academia, Barcelona, November 29 (keynote)
- 2007 *Nicolaus Copernicus University*, Torun, Poland, October 11 (keynote).
- 2007 *European Geophysical Union, Vienna: Hans Oeschger Medal*: April 17(keynote).
- 2007 *Engineers Without Borders* (Annual conference) Amherst, MA, April 12 (invited)
- 2007 Century Club, Springfield, MA, April 2 (invited)
- 2007 University of Bergen, Norway, Dept. of Geological Sciences, March 2 (invited)
- 2006 *World Bank*, Washington D.C., November 8 (invited)
- 2006 *Canadian Circumpolar Institute*, Edmonton, Alberta, September 22 (invited)
- 2006 *HOLIVAR Open Science meeting*, London, June 15 (keynote)
- 2006 University of Illinois, Chicago, April 27 (invited)
- 2006 36<sup>th</sup> Arctic Workshop, Boulder Co, March 17 (keynote)
- 2005 ECOCLIM (Nordic Center of Excellence) Workshop on *Ecological response to climate change: scales of change, scales of observation*, Helsinki, Finland, November 4<sup>th</sup> (invited)
- 2005 SORCE (*Solar Radiation & Climate Experiment*) meeting, Durango, Colorado, September 15 (invited)

- 2005 *NCCR (National Center of Competence in Climate Research) Summer School*, Grindelwald, Switzerland, September 2 (invited)
- 2005 *Walter Orr Roberts Memorial Lecture*, Aspen Global Change Institute, July 18
- 2005 *Taafe lecture*, Department of Geography, Ohio State University: Feb.17 (invited)
- 2004 *Institute of Geographical Sciences*, Chinese Academy of Sciences Beijing, China, November 18, (invited)
- 2004 *International Conference on Environmental Processes of East Eurasia: Past, Present and Future*; Xi'an, China, Nov. 15 (keynote)
- 2004 *European Science Foundation HOLIVAR (Holocene Climate Variability) Workshop*, Kastanienbaum, Switzerland, Sept. 23-25 (invited).
- 2004 *Bjerknes Centenary Symposium on Climate Change in High Latitudes*, Bergen, Norway; Sept. 1-3 (keynote).
- 2004 *Symposium on Mountain Climate Sciences: Lake Tahoe*, California, May 25-27
- 2004 *Conference on Tree Rings and Climate: Sharpening the Focus*: Tucson, Arizona, April 6-9 (keynote).
- 2003 *GCOS Regional Workshop for South America*, Santiago, Chile, October 14-16
- 2003 *Conference on Global Change Research in Mountain Biosphere Reserves*, Entlebuch, Biosphere Reserve, Switzerland, November 10-13 (invited).
- 2003 *IMAGES Holocene Workshop*; Hafslø, Norway, Aug 27-30 (invited).
- 2003 *International Quaternary Association Congress*: Reno, Nevada (keynote).
- 2003 *American Meteorological Society conference on Polar Meteorology*: Hyannisport, Massachusetts (keynote)

**RESEARCH GRANTS (Total= \$26,543,692; \$589,859 p.a./45 years)**

<b>Period</b>	<b>Agency</b>	<b>Title</b>	<b>Total Funds</b>	<b>Co-P.I.</b>
2018-2021	NSF	Arctic hydrological regime shift in a warming climate	\$502,081	
2017-2018	NSF	Acquisition of an Automated Laser Diffraction Particle Size Analyzer	\$89,810	Woodruff
2016-2018	NSF	The use of biological markers to reconstruct human-environment interaction	\$62,191	
2016-2018	NSF	Reconstruction of climate at the Norse settlements of Greenland over the last two millennia using organic biomarkers in lake sediments	\$348,218	Castañeda
2015-2016	NSF	Reconstruction of climate and human occupancy at the Eastern Settlement of the Norse in Greenland (Doctoral DI)	\$15,901	de Wet
2015-2016	National Geog. Soc.	Re-assessing the arrival of humans in the Faroe Islands	\$24,500	D'Andrea McGovern
2014-2016	UMASS	Center for Computational Climatology and Paleoclimatology	\$104,000	DeConto
2014-2017	NSF	Paleocrystic Arctic sea ice export and its relationship to abrupt climate change	\$595,992	Condron
2012-2018	DoI/USGS	Northeast Climate Science Center	\$9,467,000	Palmer, Griffin
2011-2014	DOE	High-resolution model development to quantify the impact of icebergs on the stability of the Atlantic Meridional Overturning Circulation	\$496,693	Condron
2010-2012	NOAA	Climate System Research	\$482,505	
2010-2012	NSF	Purchase of an X-Ray Core Scanner for Research in Paleoclimatology and Global Change	\$388,976	Rhodes, Woodruff
2010-2015	NOAA/ Columbia	Consortium for Climate Risk in the Urban Northeast	\$697,884	Palmer
2009-2011	NOAA	Research on Climate System Variability	\$633,350	
2009-2011	UMASS	The effects of climate change on the New England environment	\$164,000	Palmer
2009-2011	NSF	Non-linearities in the Arctic climate system during the Holocene	\$209,087	
2007-2010	NSF	Volcanoes in the Arctic System (VAST)	\$416,551	
2007-2010	DOE	Regional-Scale Climate Change: Observations and Model Simulations	\$349,621	
2006-2008	NOAA	Research on Climate Variability	\$692,682	
2005-2007	NOAA	Climate System Research	\$683,800	
2005-2009	NSF	Collaborative research: a synthesis of the last 2000 years of climatic variability from Arctic lakes	\$193,098	Francis

2004-2007	DOE	Regional-scale climate variability on decadal to multi-century timescales	\$286,489	
2004-2007	NSF	High-Resolution Studies of High Arctic Paleoclimate from Varved Lake Sediments.	\$425,147	
2003-2005	NOAA	A 19 <sup>th</sup> century data catalog for New England and adjacent states	\$194,001	
2003-2005	NOAA	Climatic conditions in East Africa and Arabia: implications for paleoclimatic interpretations	\$236,055	Vuille
2002-2005	NOAA	Reconstruction and analysis of patterns of climate variability over the last 1-2 millennia	\$113,434	Mann, Hughes
2001-2004	DOE	Regional-scale climate variability on decadal to century timescales	\$272,229	
2001-2003	NSF	Lake sediment paleoclimate research in the Lofoten Islands, Arctic Norway	\$60,019	Francus
2000-2002	NSF	Stable isotope variability in precipitation at low-latitude sites	\$254,653	Vuille
2000-2001	U. Va	Multiproxy climate reconstruction	\$33,889	
1999-2001	NSF	The Late Quaternary water balance of the Venezuelan Andes	\$335,477	Abbott
1999-2002	NSF	Land-atmosphere-ice and snow interactions in the High Arctic	\$538,727	Hardy
1998-2001	DOE	Validation of decadal to multi-century climate predictions	\$450,000	Diaz
1997-2002	NSF	High resolution lake sediment studies for paleoclimatic reconstruction	\$637,096	
1999-2000	NSF	Solar influences on cloud formation and global temperature	\$55,335	
1996-1999	NSF	Patterns of interannual climate variability	\$137,000	
1997-99	NSF	Precipitation variability in the Inter-Tropical Andes	\$142,848	
1996-97	NASA	Meteorological studies, Windy Dome Ice Cap, Franz-Josef Land	\$31,000	
1996-99	NOAA	Meteorological studies, Sajama Ice Cap, Bolivia	\$170,007	
1996-97	NSF	Workshop on climate variability in the Americas from high elevation ice cores	\$49,937	
1995-98	DOE	Climate system studies	\$587,000	Diaz
1994-97	NSF	Paleoclimate from Arctic lake sediments	\$300,000	
1993-94	DOE	Records of recent climatic change in northern Canada	\$85,000	
1993-94	National Geog. Soc.	Climate of the last millennium from Arctic lake sediments	\$18,500	
1991-96	NSF	Analysis of rapid and recent climatic change (ARRCC)	\$286,000	
1991-94	DOE	Diagnostic studies of climate variability	\$640,681	Diaz
1990-92	NOAA	Climatic fluctuations of Monsoon Asia since A.D. 1600	\$71,600	Hughes, Thompson
1990-93	NSF	Paleoclimatic significance of laminated	\$299,997	



		lake sediments: Canadian High Arctic		
1990-91	NOAA	Precipitation history of Massachusetts	\$15,000	
1990-91	DOE	Scientific workstation	\$27,040	
1988-91	DOE	Climate system research	\$526,541	Diaz, Kelly
1987-91	NSF	Chronology and paleoclimatology loess deposits in central China	\$246,500	McCoy
1985-87	NSF	Evolution of Arctic lacustrine environments	\$162,000	Yuretich
1985-88	DOE	Studies of climatic variability	\$484,000	Diaz, Kelly, Jones
1983-86	NSF	Late Quaternary climatic variations in the Venezuelan Andes	\$101,000	Yuretich
1984-85	NSF	Equipment for lake sediment studies	\$50,000	
1981-84	DOE	Climate of the Northern Hemisphere 1851-1900 compared to contemporary	\$408,550	Diaz, Jones, Kelly
1981-83	NSF	Climatic fluctuations of northernmost North America	\$128,000	England
1977-79	NSF	Secular climatic history of the arid and semi-arid western U.S.	\$65,000	

**Field Experience**

September 2019	Faroe Islands (Suderoy): lake sediment paleoclimate research
August 2019	Southern Greenland: lake sediment research
April 2019	Svalbard: lake sediment research (extreme events)
May 2018	Lofoten Islands, NW Norway: lake sediment research
March 2018	Rapa Nui (Easter Island): paleoclimate & archeology
Summer 2017	Nordostland, Svalbard: lake sediment research
Summer 2016, 2017	Southern Greenland (Narsarsuaq area): lake sediment research (climate & archeology)
Summer 2015	Faroe Islands: lake sediment research (climate & archeology)
Summer 2014	Northern Spitzbergen, Svalbard: lake sediment research
Summer 2012	Northwestern Spitzbergen, Svalbard: lake sediment research
Summer 2011	Lofoten Islands, NW Norway: lake sediment research
Spring 2010	Southeast Greenland: lake sediment paleoclimate research
Summer 2009	Lofoten Islands, NW Norway: lake sediment research
Summer 2008	Lofoten Islands, NW Norway: lake sediment research and tephrochronology
Summer 2007	Quelccaya Ice Cap, Cordillera Vilcanota, Peru: meteorology of the ice cap
Summer 2006, 2007	Lofoten Islands, NW Norway: lake sediment research on organic biomarkers
Summer 2005	Northern Ellesmere Island, Nunavut, Canada: paleoclimatic significance of laminated lake sediments (Murray Lake).
Summer 2002	Kilimanjaro, Tanzania: meteorology of the Northern Icefield.
Summer 2001	Lofoten Islands, northwestern Norway: lake sediment collection late Holocene paleoclimatic reconstruction.
Summer 2000	Northeastern Ellesmere Island: energy balance and topoclimatic studies of the Hazen Plateau (Murray and Simmonds Ice Caps).
Summers 1990 to 1999	Northern Ellesmere Island and Cornwallis Island, N.W.T. Canada: paleoclimatic significance of laminated lake sediments.
Fall 1987, 1988	Central China: chronology and paleoclimatic aspects of loess/paleosol sequences.
Summer 1988	Cornwallis Island, N.W.T., Canada: lake sediment collection from Sophia Lake for late Holocene paleoclimatic reconstruction.
Fall 1987	Czechoslovakia and Austria: chronology and paleoclimatology of loess/paleosol sequences.
Summer 1986	Northern Ellesmere Island: lake sediment collection for Holocene paleoclimatic reconstruction.
Winters, 1982, 1984, 1985	Venezuelan Andes: lake sediments from high elevation basins.
Summers 1982, 1983	Northeastern Ellesmere Island and northwestern Greenland: energy balance and topoclimatic studies of Hazen Ice Cap
Summer 1978, 1981	Northeastern Ellesmere Island, N.W.T., Canada: paleoclimatology and glacial history of Beaufort Lakes area.
Summers 1975, 1976, 1978	Northeastern Ellesmere Island, N.W.T., Canada: glacial and climatic history of Archer Fiord/Judge Daly Promontory.
Summer 1970, 1972	Eastern Baffin Island, N.W.T., Canada: sea-ice energy budget and glacier mass balance study, east coast of Cumberland Peninsula.

Summer 1971

Northeastern Ellesmere Island, N.W.T., Canada: field assistant, glacial history of Hazen Plateau.

**PUBLICATIONS**

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**GOOGLE SCHOLAR (January 1, 2020)**

<b>Citation indices</b>	All	Since 2015
Citations	36,072	12,438
h-index	86	53
i10-index	230	142

**A. Books and Edited Volumes**

- Bradley, R.S.*, 2014. **Paleoclimatology: Reconstructing Climates of the Quaternary (3<sup>rd</sup> edition)**. Elsevier/Academic Press, San Diego, 675pp (ISBN: 9780123869135).  
*Winner of one of the seven 2015 "TEXTY" Awards, selected by the Text and Academic Authors Association*
- Bradley, R.S.*, 2011. **Global Warming and Political Intimidation**. University of Massachusetts Press, Amherst, 167pp. (Japanese translation published August 2012 by Kagaku Dojin, Tokyo).
- Diaz, H.F. and *R.S. Bradley* (eds.), 2004. **The Hadley Circulation, Present, Past and Future**. Kluwer Academic, Dordrecht, 511pp.
- Alverson, K., *R.S. Bradley* and T.F. Pedersen (eds.), 2003. **Paleoclimate, Global Change and the Future**. Springer Verlag, Berlin, 220pp.
- Bradley, R.S.* and N.E. Law, 2001. **Climate Change and Society**. Stanley Thornes, Cheltenham, 104pp.
- Alverson, K., F. Oldfield and *R.S. Bradley* (eds.), 1999. **Past Global Changes and their Significance for the Future**, Elsevier, Amsterdam, 479pp.
- Bradley, R.S.*, 1999. **Paleoclimatology: Reconstructing Climates of the Quaternary**. Academic Press, San Diego, 610pp. [reprinted 2005]
- Diaz, H.F., M. Beniston and *R.S. Bradley*, 1997. **Climatic Change at High Elevation Sites**. Kluwer Academic, Dordrecht, 298pp.
- Jones, P.D., *R.S. Bradley* and J. Jouzel, (eds.), 1996. **Climate Variations and Forcing Mechanisms of the Last 2000 years**. Springer-Verlag, Berlin, 649pp.
- Bradley, R.S.* and Jones, P.D. (eds) 1992. **Climate Since A.D. 1500**. Routledge, London. 679pp. (Revised edition, 1995, with additional chapter, 706pp).
- Bradley, R.S.* (ed.) 1991. **Global Changes of the Past**. University Corporation for Atmospheric Research, Boulder, 514pp.
- Bradley, R.S.*, 1985. **Quaternary Paleoclimatology: Methods of Paleoclimatic Reconstruction**. Chapman and Hall, London, 472 pp.
- Bradley, R.S.*, 1976. **The Precipitation History of the Rocky Mountains**. Westview Press, Boulder, 336 pp.

**B. JOURNAL ARTICLES AND BOOK CHAPTERS**

[^ Graduate student or # Post-doc advisee; \* not a peer-reviewed article]

- Han, Y., Z. An, J.R. Marlon, *R.S. Bradley*, C. Zhan, R. Arimoto, Y. Sun, W. Zhou, F. Wu, Q. Wang, G.S. Burr, and J. Cao., 2019. Asian inland wildfires provided feedbacks to glacial-interglacial climate change. **Proc. National Academy of Sciences** (in press)

- Condron, A., A. Joyce and R.S. Bradley, 2019<sup>^</sup>. The role of Arctic sea ice export in modulating deglacial climate. **Geology** (in press).
- Ning, L., J. Liu, R.S. Bradley, M. Yan, K. Chen, W. Sun and C. Jin, 2019. Elevation-dependent cooling caused by volcanic eruptions during the last millennium. **International J. Climatology**, DOI: 10.1002/joc.6387
- Lapointe, F., Francus, P., Stoner, J., Abbott, M., Balascio, N., Cook, T., Bradley, R.S., Forman, S., Besonen, M. and St-Onge, G., 2019. Chronology and sedimentology of a new 2.9 ka annually laminated record from South Sawtooth Lake, Ellesmere Island. **Quaternary Science Reviews**, 222, 105875.
- Curtin, L., D'Andrea, W., Balascio, N., Bradley, R.S., Pugsley, G. and de Wet, G., 2019. Holocene and Last Interglacial climate of the Faroe Islands from sedimentary plant wax hydrogen and carbon isotopes. **Quaternary Science Reviews**, 223, 105930.
- Bradley, R.S. and J. Bakke, 2019. Is there evidence for a 4.2ka B.P. event in the northern North Atlantic region? **Climate of the Past**, 15, 1665-1676.
- Seco, I., Rull, V., Montoya, E., Cañellas-Boltà, N., Giralt, S., Margalef, O., Pla-Rabes, S., D'Andrea, W., Bradley, R.S., Sáez, A., 2019. A continuous palynological record of forest clearing at Rano Kao (Easter Island, SE Pacific) during the last millennium: preliminary report. **Quaternary**, 2, 22, doi:10.3390/quat2020022.
- Ning, L., J. Liu, R.S. Bradley and M. Yan, 2018. Comparing the spatial patterns of climate change in the 9<sup>th</sup> and 5<sup>th</sup> millennia B.P. from TRACE-21 model simulations. **Climate of the Past**, 15, 41-52.
- Miller, D.R., M.H. Habicht, B.A. Keisling, I.S. Castaneda and R.S. Bradley, 2018<sup>^</sup>. A 900-year New England temperature reconstruction from *in situ* seasonally produced branched glycerol dialkyl glycerol tetraethers (brGDGTs) **Climate of the Past**, 14, 1653-1667.
- Røthe, T.O., J. Bakke, E.W.N. Støren and R.S. Bradley, 2018. Reconstructing Holocene glacier and climate fluctuations from lake sediments in Varfluesjøen, northern Spitsbergen. **Frontiers in Earth Science**, 6, 91; <https://doi.org/10.3389/feart.2018.00091>.
- Rull, V., E. Montoya, I. Seco, N. Cañellas-Boltà, S. Giralt, O. Margalef, S. Pla-Rabes, W.J. D'Andrea, R.S. Bradley and A. Sáez, 2018. CLAFS: A holistic-climatic-ecological-anthropogenic hypothesis on Easter Island's deforestation and cultural change: proposals and testing prospects. **Frontiers in Ecology and Evolution**, 6, 32. doi: 10.3389/fevo.2018.00032.
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