

Mark Carey

Professor of History and Environmental Studies
Robert D. Clark Honors College
University of Oregon, Eugene, OR 97403
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EDUCATION

Ph.D., University of California, Davis, 2005

Latin American and Environmental History
Dissertation: "People and Glaciers in the Peruvian Andes: A History of Climate Change and Natural Disasters, 1941-1980"
Dissertation Supervisor: Charles F. Walker

M.A., University of Montana, Missoula, 1998

Latin American and Environmental History

B.A., State University of New York College at Potsdam, 1991, History

PROFESSIONAL APPOINTMENTS

Professor of History and Environmental Studies

Robert D. Clark Honors College, University of Oregon, 2017 – present
Environmental Studies Program, University of Oregon, 2017 – present

Associate Dean

Robert D. Clark Honors College, University of Oregon, March 2014 – Sept. 2016

Associate Professor of History and Environmental Studies

Robert D. Clark Honors College, University of Oregon, 2013 – 2017
Environmental Studies Program, University of Oregon, 2014 – 2017

Assistant Professor of History

Robert D. Clark Honors College, University of Oregon, 2010 – 2013

Assistant Professor of History

History Department, Washington and Lee University, Dec. 2006 – June 2010

S. V. Ciriacy-Wantrup Postdoctoral Fellow

Geography Department, University of California, Berkeley, 2005 – 2006

PRIZES AND AWARDS

Fund for Faculty Excellence Award, University of Oregon, 2016

Outstanding Faculty Advisor Award, University of Oregon, 2015

Early Research Career Award/Research Excellence Award, University of Oregon, 2013

Faculty Excellence Award from the Center for Multicultural Academic Excellence,
University of Oregon, 2013

Elinor Melville Prize for the Best Book in Latin American Environmental History, 2011,
awarded by the American Historical Association's Conference on Latin American
History

SONY Scholar Award, University of Oregon, 2011

"Rising Star" Outstanding Faculty Award, Virginia State Council of Higher Education, 2009

(awarded to the top untenured faculty member in all disciplines and colleges/universities in Virginia for "superior accomplishments in teaching, research, and public service")

Leopold-Hidy Prize for best article in the journal *Environmental History*, 2007

Franklin Pease Award for best conference paper, International History Students

Conference, Pontificia Universidad Católica del Perú, 2003

EXTERNAL (NATIONAL/INTERNATIONAL) GRANTS AND FELLOWSHIPS

National Science Foundation, "Collaborative Research: The Impact of Oceanic Forcing on the Melting of West Antarctic Peninsula Glaciers," Grant in Polar Programs, Antarctic Ocean and Atmospheric Sciences, 2016-2019 (with David Sutherland, University of Oregon; Carlos Moffat, University of California, Santa Cruz; John M. Klinck, Old Dominion University; Michael Dinniman, Old Dominion University). **\$706,203**

National Science Foundation, "CAREER: Glaciers and Glaciology: How Nature, Field Research, and Societal Forces Shape the Earth Sciences," Grant in Science, Technology, and Society, 2013-2018. **\$459,452**

National Science Foundation, "Collaborative Research: Hydrologic Transformation and Human Resilience to Climate Change in the Peruvian Andes," Grant in Coupled Natural and Human Systems, 2010-2013 (with Jeff Bury, University of California, Santa Cruz; Bryan Mark, Ohio State University; and Kenneth Young, University of Texas – Austin). **\$1,013,521**

National Science Foundation, "Glacier Science and Technology in the Central Andes," Grant in Science, Technology, and Society, 2008-2010. **\$175,341**

Social Science Research Council Book Fellowship, 2007-2008

Mabelle McLeod Lewis Memorial Fund Dissertation Grant, 2004-2005

Switzer Environmental Fellowship, 2004-2005 (declined)

Social Science Research Council International Dissertation Fellowship, 2003-2004

American Meteorological Society History of Science Fellowship, 2003-2004

Pacific Rim Research Program Fellowship, 2003-2004

Hewlett-Packard Center for Information Technology in the Interest of Society (CITRIS) Graduate Fellowship, 2003-2004 (declined)

Young Scientist Award, Global Change System for Analysis, Research and Training (START), 2003

Fulbright Scholar, Nicaragua, 1998-1999

Inter-American Foundation Fellowship, Nicaragua, 1997-1998

PUBLICATIONS

Books:

Mark Carey, *Glaciares, cambio climático y desastres naturales: Ciencia y sociedad en el Perú*, translated by Jorge Bayona, Lima, Peru: Instituto Francés de Estudios Andinos/Instituto de Estudios Peruanos, 2014. (translation, with new "preface to the Spanish edition," of *In the Shadow of Melting Glaciers*—see below)

Mark Carey, *In the Shadow of Melting Glaciers: Climate Change and Andean Society*, Oxford University Press, 2010.

- * Received Elinor Melville Prize for the Best Book in Latin American Environmental History, 2011, awarded by the American Historical Association's Conference on Latin American History
- * Finalist for the Turku Book Prize, awarded by the European Society for Environmental History/Rachel Carson Center, Munich, Germany
- * Reviewed in: *A Contracorriente: A Journal on Social History and Literature in Latin America*, *Ab Imperio*, *American Historical Review*, *Bulletin of the Pacific Circle*, *Environmental History*, *Hispanic American Historical Review*, *H-Environment Roundtable Reviews*, *H-LatAm*, *Histórica* (Peru), *History of Geo- and Space Sciences*, *The Holocene*, *Journal of Latin American Geography*, *Journal of Historical Geography*, *Journal of Latin American Studies*, *Mountain Research and Development*, *Nuevo Mundo/Mundos Nuevos*, *Revista Historia Iberoamericana*, *Social and Cultural Geography*, *Social History*, *Technology and Culture*, and numerous online websites

Edited Book:

Christian Huggel, **Mark Carey**, John J. Clague, and Andreas Käab, *The High-Mountain Cryosphere: Environmental Changes and Human Risks*, Cambridge: Cambridge University Press, 2015.

Peer-Reviewed Articles and Book Chapters:

- * denotes graduate student authors
- † denotes undergraduate student authors

In Press

Alessandro Antonello and **Mark Carey**, "Ice Cores and the Temporalities of the Global Environment," *Environmental Humanities* 9, no. 2 (2017): in press.

Rodney Garrard* and **Mark Carey**, "Beyond Images of Melting Ice: Hidden Stories of People, Place, and Time in Repeat Photography of Glaciers," in *Before-and-After Photography: Histories and Contexts*, eds., Jordan Bear and Kate Palmer Albers (New York: Bloomsbury Press, 2017), in press.

2017

Mark Carey, "Watering the Desert, Feeding the Revolution: Velasco's Influence on Water Law and Agriculture on Peru's North-Central Coast," in *The Peculiar Revolution: Rethinking the Peruvian Experiment under Military Rule, 1968-1975*, edited by Carlos Aguirre and Paulo Drinot (Austin: University of Texas Press, 2017), 241-265.

Mark Carey, Olivia C. Molden*, Mattias Borg Rasmussen, M Jackson*, Anne Nolin, and Bryan Mark, "Impacts of Glacier Recession and Declining Meltwater on Mountain Societies," *Annals of the American Association of Geographers* 107, no. 2 (2017): 350-359.

Molly Polk*, Kenneth R. Young, Michel Baraer, Bryan G. Mark, Jeffrey McKenzie, Jeffrey Bury, and **Mark Carey**, "Exploring Hydrologic Connections between Tropical Mountain Wetlands and Glacier Recession in Peru's Cordillera Blanca," *Applied Geography* 78 (2017): 94-103.

Mark Carey, Kathy Lynn, Kevin Hatfield, and Jennifer O'Neal, "Teaching about Climate Change and Indigenous Peoples: Decolonizing Research and Broadening Knowledge," in *Teaching Climate Change in the Humanities*, edited by Stephen

Siperstein, Shane Hall, and Stephanie LeMenager (New York: Routledge, 2017), 86-93.

2016

Mark Carey, Rodney Garrard*, Courtney Cecale*, Wouter Buytaert, Christian Huggel, and Mathias Vuille, "Climbing for Science and Ice: From Hans Kinzl and Mountaineering-Glaciology to Citizen Science in the Cordillera Blanca," *Revista de Glaciares y Ecosistemas de Montaña*, 1, no. 1 (Dec. 2016): 59-72.

Adam French, Michel Baraer, Jeffrey T. Bury, **Mark Carey**, Bryan G. Mark, Jeffrey M. McKenzie, Kenneth R. Young, and Molly H. Polk*, "Coyuntura crítica: Cambio climático, globalización y la doble exposición en el sistema socio-hidrológico de la cuenca del Río Santa, Perú," in *Naturaleza y sociedad: Perspectivas socio-ecológicas sobre cambios globales en América Latina*, edited by Julio C. Postigo and Kenneth R. Young (Lima: desco, IEP and INTE-PUCP, 2016), 303-340.

Mark Carey, "The Trouble with Climate Change and National Parks," in *National Parks Beyond the Nation: Global Perspectives on "America's Best Idea,"* edited by Adrian Howkins, Jared Orsi, and Mark Fiege (Norman: University of Oklahoma Press, 2016), 258-277.

Mark Carey, M Jackson*, Alessandro Antonello, and Jaclyn Rushing†, "Glaciers, Gender, and Science: A Feminist Glaciology Framework for Global Environmental Change Research," *Progress in Human Geography* 40, no. 6 (2016): 770-793.

2015

Fabian Drenkhan*, **Mark Carey**, Christian Huggel, Jochen Seidel, and María Teresa Oré, "The Changing Water Cycle: Climatic and Socioeconomic Drivers of Water-related Changes in the Andes of Peru," *WIREs Water* 2, no. 6 (2015): 715-733.

Christian Huggel, **Mark Carey**, John J. Clague, and Andreas Käab, "Introduction: The complexity of high mountain human cryosphere environments unfolded," in *The High-Mountain Cryosphere: Environmental Changes and Human Risks*, edited by Christian Huggel, Mark Carey, John J. Clague, and Andreas Käab (New York: Cambridge University Press, 2015), 1-6.

Mark Carey, Christian Huggel, John J. Clague, and Andreas Käab, "Synthesis and Conclusions: The Future of High-Mountain Cryospheric Research," in *The High-Mountain Cryosphere: Environmental Changes and Human Risks*, edited by Christian Huggel, Mark Carey, John J. Clague, and Andreas Käab (New York: Cambridge University Press, 2015), 339-353.

Mark Carey, Graham McDowell*, Christian Huggel, M Jackson*, César Portocarrero, John Reynolds, and Luis Vicuña, "Integrated Approaches to Adaptation and Disaster Risk Reduction in Dynamic Socio-cryospheric Systems," in *Snow and Ice-Related Hazards, Risks, and Disasters*, edited by Wilfried Haeberli and Colin Whiteman (Amsterdam: Elsevier, 2015), 219-261.

2014

Mark Carey, "Climate, Medicine, and Peruvian Health Resorts for Tuberculosis Treatment, 1850-1950," *Science, Technology, and Human Values* 39, no. 6 (2014): 795-818.

Mark Carey, "Beyond Weather: The Culture and Politics of Climate History," in *Oxford Handbook of Environmental History*, edited by Andrew Isenberg (New York: Oxford University Press, 2014), 23-51.

- Mark Carey**, Michel Baraer, Bryan G. Mark, Adam French*, Jeffrey Bury, Kenneth R. Young, and Jeffrey M. McKenzie, "Toward Hydro-Social Modeling: Merging Human Variables and the Social Sciences with Climate-Glacier Runoff Models (Santa River, Peru)," *Journal of Hydrology* 518, Part A (2014): 60-70.
- Mark Carey** and Philip Garone, "Forum Introduction: Climate Change and Environmental History," *Environmental History* 19, no. 2 (April 2014): 282-293 (co-editor of Special Issue and co-author of the introductory article).
- Mark Carey**, "Science, Models, and Historians: Toward a Critical Climate History," *Environmental History* 19, no. 2 (April 2014): 354-364.
- Wolfgang Cramer, Gary Yohe, Maximilian Auffhammer, Christian Huggel, Ulf Molau, Maria Assuncao Silva Dias, Andrew Solow, Dáithí Stone, Lourdes Tibig, Laurens Bouwer, **Mark Carey**, Graham Cogley, Dim Coumou, Yuka Otsuki Estrada, Eberhard Faust, Gerrit Hansen, Ove Hoegh-Guldberg, Joanna I. House, Solomon Hsiang, Lesley Hughes, Sari Kovats, Paul Leadley, David Lobell, Camille Parmesan, Elvira Poloczanska, Hans Otto Pörtner, Andy Reisinger, "Detection and Attribution of Observed Impacts," in *Climate Change 2014: Impacts, Adaptation, and Vulnerability, Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* (IPCC) (New York: Cambridge University Press, 2014), 979-1038.
- Joan Nymand Larsen, Oleg A. Anisimov, Andrew Constable, Anne Hollowed, Nancy Maynard, Pål Prestrud, Terry Prowse, John Stone, Terry Callaghan, **Mark Carey**, Peter Convey, Andrew Derocher, Peter T. Fretwell, Bruce C. Forbes, Solveig Glomsrød, Dominic Hodgson, Eileen Hofmann, Grete K. Hovelsrud, Gita L. Ljubicic, Harald Loeng, Eugene Murphy, Steve Nicol, Anders Oskal, James D. Reist, Phil Trathan, Barbara Weinecke, Fred Wrona, "Polar Regions," in *Climate Change 2014: Impacts, Adaptation, and Vulnerability, Part B: Regional Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* (IPCC) (New York: Cambridge University Press, 2014), 1567-1612.
- David J. Wrathall, Jeffrey Bury, **Mark Carey**, Bryan Mark, Jeff McKenzie, Kenneth Young, Michel Baraer, Adam French*, and Costanza Rampini*, "Migration Amidst Climate Rigidity Traps: Resource Politics and Social-Ecological Possibilism in Honduras and Peru," *Annals of the American Association of Geographers* 104, no. 2 (2014): 292-304.
- Rebecca Lave, Matthew Wilson, Elizabeth Barron, Christine Biermann, **Mark Carey**, Martin Doyle, Chris Duvall, Leigh Johnson, Maria Lane, Jamie Lorimer, Nathan McClintock, Rachel Pain, Jim Proctor, Bruce Rhoads, Morgan Robertson, Jairus Rossi, Nathan Sayre, Gregory Simon, Marc Tadaki, and Chris Van Dyke, "Intervention: Critical Physical Geography," *Canadian Geographer/Le Géographe canadien* 58, no. 1 (2014): 1-10.

2013

- Dáithí Stone, Maximilian Auffhammer, **Mark Carey**, Gerrit Hansen, Christian Huggel, Wolfgang Cramer, David Lobell, Ulf Molau, Andrew Solow, Lourdes Tibig, and Gary Yohe, "The Challenge to Detect and Attribute Effects of Climate Change on Human and Natural Systems," *Climatic Change* 121, no. 2 (Nov. 2013): 381-395.
- Jeffrey Bury, Bryan G. Mark, **Mark Carey**, Kenneth R. Young, Jeffrey M. McKenzie, Michel Baraer, Adam French*, and Molly H. Polk*, "New Geographies of Water

and Climate Change in Peru: Coupled Natural and Social Transformations in the Santa River Watershed," *Annals of the American Association of Geographers* 103, no. 2 (2013): 363-374.

2012

Mark Carey, "Climate and History: A Critical Review of Historical Climatology and Climate Change Historiography," *Wiley Interdisciplinary Reviews – Climate Change* 3, no. 3 (2012): 233-249.

Mark Carey, Adam French*, and Elliott O'Brien†, "Unintended Effects of Technology on Climate Change Adaptation: An Historical Analysis of Water Conflicts below Andean Glaciers," *Journal of Historical Geography* 38, no. 2 (2012): 181-191.

Mark Carey, "Mountaineers and Engineers: The Politics of International Science, Recreation, and Environmental Change in Twentieth-Century Peru," *Hispanic American Historical Review* 92, no. 1 (2012): 107-141.

Mark Carey, "From National Parks to National Archives: The Diplomacy of Research in Latin America," in *Research Beyond Borders: Multidisciplinary Reflections*, eds. Lise-Hélène Smith and Anjana Narayan (Lanham, MD: Lexington Books of Rowman and Littlefield, 2012), 23-35.

Mark Carey, Christian Huggel, Jeffrey Bury, César Portocarrero, and Wilfried Haeberli, "An Integrated Socio-Environmental Framework for Glacier Hazard Management and Climate Change Adaptation: Lessons from Lake 513, Cordillera Blanca, Peru," *Climatic Change* 112, no. 3-4 (2012): 733-767.

2011

Mark Carey, "Inventing Caribbean Climates: How Science, Medicine, and Tourism Changed Tropical Weather from Deadly to Healthy," *Osiris* 26, no. 1 (2011): 129-141.

-- Article reprinted in Mike Hulme, ed., *Climates and Cultures. Volume Two: Historical Readings of Climate* (London: Sage, 2015), chap. 20.

2009

Mark Carey, "Latin American Environmental History: Current Trends, Interdisciplinary Insights, and Future Directions," *Environmental History* 14, no. 2 (April 2009): 221-252.

2008

Mark Carey, "Disasters, Development, and Glacial Lake Control in Twentieth-Century Peru," in *Mountains: Sources of Water, Sources of Knowledge*, ed. Ellen Wiegandt (The Netherlands: Springer, 2008), 181-196.

Mark Carey, "The Politics of Place: Inhabiting and Defending Glacier Hazard Zones in Peru's Cordillera Blanca," in *Darkening Peaks: Glacial Retreat in Scientific and Social Context*, eds. Ben Orlove, Ellen Wiegandt, and Brian Luckman (Berkeley: University of California Press, 2008), 229-240.

-- Chapter reprinted in Michael R. Dove, ed., *The Anthropology of Climate Change: An Historical Reader* (Malden, MA: Wiley-Blackwell, 2014), 247-260.

2007

Mark Carey, "The History of Ice: How Glaciers Became an Endangered Species," *Environmental History* 12, no. 3 (July 2007): 497-527. Winner of Leopold-Hidy Prize for best article published in the journal in 2007.

2005

Mark Carey, "Living and Dying with Glaciers: People's Historical Vulnerability to Avalanches and Outburst Floods in Peru," *Global and Planetary Change*, vol. 47, no. 2-4 (July 2005): 122-134.

2002

Mark Carey, "La influencia Mayangna en la historia de la Costa Atlántica nicaragüense," *Revista de Historia*, guest eds., Robert Carmack and Mario Rizo, vol. 14 (2002): 73-88.

Invited and Other Articles in Peer-Reviewed Journals

Mark Carey, Lincoln C. James[†], and Hannah A. Fuller[†], "A New Social Contract for the IPCC," *Nature Climate Change* 4 (Dec. 2014): 1038-1039.

Mark Carey, "Commodities, Colonial Science, and Environmental Change in Latin American History," *Radical History Review* 107 (Spring 2010): 185-194.

Mark Carey, "The Nature of Place: Recent Research on Environment and Society in Latin America," *Latin American Research Review* 42, no. 3 (2007): 251-264.

Mark Carey, "Beyond the Archive: A Practical Guide for Research in Latin America," *Brújula* 5, no. 1 (Dec. 2006): 173-176.

Published Book Reviews:

La Frontera: Forests and Ecological Conflict in Chile's Frontier Territory, by Thomas Klubock, reviewed for *Environmental History* 21, no. 1 (2016): 140-142.

The Summits of Modern Man: Mountaineering after the Enlightenment, by Peter H. Hansen, reviewed for *Journal of Modern History* 87, no. 3 (2015): 710-711.

Glaciers: The Politics of Ice, by Daniel Taillant, reviewed for *Nature* 522 (25 June 2015): 416-417.

A Land between Waters: Environmental Histories of Modern Mexico, edited by Christopher R. Boyer, reviewed for *Journal of Latin American Studies* 46, no. 1 (2014): 207-208.

Locales of Happiness: Colonial Irrigation in the Netherlands East Indies and its Remains, 1830-1980, by Maurits Ertsen, reviewed for *History of Geo- and Space Sciences* 5 (2014): 73-74.

Enemy in the Blood: Malaria, Environment, and Development in Argentina, by Eric D. Carter, reviewed for *Environmental History* 19, no. 1 (2014): 146-148.

Hawai'i's Mauna Loa Observatory: Fifty Years of Monitoring the Atmosphere, by Forrest Mims III, reviewed for *Bulletin of the Pacific Circle* No. 31 (Oct. 2013): 15-19.

Mercury, Mining, and Empire: The Human and Ecological Cost of Colonial Silver Mining in the Andes, by Nicholas A. Robins, reviewed for *Environmental History* 17, no. 4 (2012): 860-862.

Merchants of Doubt: How a Handful of Scientists Obscured the Truth on Issues from Tobacco Smoke to Global Warming, by Naomi Oreskes and Erik M. Conway, reviewed for H-Environment Roundtable Reviews vol. 1, no. 2 (2011): www.h-net.org/~environ/roundtables.

- Aftershocks: Earthquakes and Popular Politics in Latin America* (2009), edited by Jurgen Buchenau and Lyman L. Johnson, *Journal of Interdisciplinary History*, 41, no. 2 (2010): 328-330.
- Weathering Risk in Rural Mexico: Climatic, Institutional, and Economic Change* (2006), by Hallie Eakin, *Bulletin of Latin American Research* 28, no. 2 (2009): 298-300.
- The Callendar Effect: The Life and Work of Guy Stewart Callendar (1898-1964), the Scientist Who Established the Carbon Dioxide Theory of Climate Change* (2007), by James Rodger Fleming, *Environmental History* 13, no. 1 (Jan. 2008): 158-160.
- Intimate Universality: Local and Global Themes in the History of Weather and Climate* (2006), ed. by James Rodger Fleming, Vladimir Jankovic, and Deborah R. Coen, *Environmental History* 13, no. 1 (Jan. 2008): 158-160.
- "Science and Scientists in Latin America: An Historical Overview," *A Contracorriente* 5, no. 1 (Fall 2007): 430-442. (Review essay of *Science in Latin America: A History*, edited by Juan José Saldaña and Bernabé Madrigal, 2006.)
- Estudios de historia medioambiental, Perú, siglos XVI-XX* [Studies in Environmental History, Peru, 16th-20th Centuries] (2002), by Lizardo Seiner, *Histórica* 27, num. 2 (Diciembre 2004): 515-519.
- Las Cordilleras del Perú* [The Mountain Ranges of Peru] (2001), by César Morales Arnao, *Revista de Indias* 63, num. 228 (Mayo-Agosto 2003): 597-599.
- Fritz Müller: A Naturalist in Brazil* (2003), by David A. West, H-Net Review, H-Environment (Nov. 2003).
- Disparate Diasporas: Identity and Politics in an African-Nicaraguan Community* (1998), by Edmund T. Gordon, *Mesoamérica* (Guatemala) vol. 43 (Junio 2002): 183-186.
- West Indian Workers and the United Fruit Company in Costa Rica, 1870-1940* (1996), by Aviva Chomsky, in *Mesoamérica* (Guatemala) vol. 41 (Junio 2001): 255-258.
- The Blood of Guatemala: A History of Race and Nation* (2000), by Greg Grandin, H-Net Review, H-LatAm (Sept. 2000).
- A Place in the Rain Forest: Settling the Costa Rican Frontier* (1997), by Darryl Cole-Christensen, H-Net Review, H-LatAm (April 1999).

Other Publications (Articles, Conference Proceedings, Encyclopedia Articles, Editorials, Interviews):

- "Three Qs [interview]," *Science* 351, no. 6279 (18 March 2016): 1245-1246.
- "Q&A: Author of 'feminist glaciology' study reflects on sudden appearance in culture wars," interview by Carolyn Gramling, *Science* (11 March 2016): <http://www.sciencemag.org/news/2016/03/qa-author-feminist-geology-study-reflects-sudden-place>.
- "Los riesgos glaciares y sus lecciones para el futuro," in *Los impactos del cambio global en las áreas naturales protegidas y sus zonas de influencia: El caso del Parque Nacional Huascarán y la cuenca del río Santa*, *Las Áreas Naturales Protegidas Informan* No. 1 (2013): 29-34.
- "Glaciers," in *The Encyclopedia of Sustainability: Vol. 4. Natural Resources and Sustainability*, eds. Sarah Fredericks, Lei Shen, Shirley Thompson, & Daniel Vasey (Great Barrington, MA: Berkshire Publishing, 2012), 181-183.
- "Author's Response" to four book reviews of Mark Carey, In the Shadow of Melting Glaciers: Climate Change and Andean Society (Oxford, 2010), *H-Environment Roundtable Reviews*, vol. 1, no. 4 (2011): 18-25.

- "Historian Gauges Social Side of Glacial-Melt Equation," *EcoAméricas* 13, no. 10 (Aug 2011): p. 12 (Q&A with correspondent Barbara Fraser).
- "Icy Disaster in the Andes, Climate Lesson for the World," Oxford University Press Blog, <http://blog.oup.com/2010/05/climate-lesson/>, April 2010.
- "Mark Carey Responds," Social Science Research Council (SSRC) Book Exchange (2010), <http://www.ssrc.org/features/view/in-the-shadow-of-melting-glaciers-idrf-book-exchange/>
- "Local Communities and Glacial Lake Outburst Flood Mitigation: Lessons from Peru," *Geophysical Research Abstracts* 12 (2010): EGU2010-14981.
- "Avalanches," in *Encyclopedia of World Environmental History*, eds. Shepard Krech III, John R. McNeill, and Carolyn Merchant (Mass.: Berkshire Publishing Group/Routledge, 2004), 106-109.
- "Glaciers," in *Encyclopedia of World Environmental History*, *Ibid.*, 587-589.
- "Mountaineering," in *Encyclopedia of World Environmental History*, *Ibid.*, 859-861.
- "Natural Resources, Markets, and Land Use Change Among Nicaragua's Mayangna Indians, 1800 to the Present," *Proceedings of the Rocky Mountain Council on Latin American Studies, 1998*, ed., John F. Schwaller, Las Cruces, NM: RMCLAS, 1999.

Research Reports:

- "Participación de comunidades locales en la adaptación al cambio climático en el Callejón de Huaylas: Implicaciones para la política," Nota Informativa No. 1 del Proyecto "Cumbres-Costa." Working Paper submitted to International Resources Group, Ltd. for the U.S. Agency for International Development (USAID) funded "Peaks to Coast" project managed by The Mountain Institute, Peru, 2010.
- "Community Involvement and Climate Adaptation in the Callejón de Huaylas: Policy Implications," Working Paper submitted to International Resources Group, Ltd. for the U.S. Agency for International Development (USAID) funded "Peaks to Coast" project managed by The Mountain Institute, Peru, 2010.
- "Glacial Lake Outburst Flood Mitigation: Peruvian Innovations for South-South Collaboration," Working Paper submitted to International Resources Group, Ltd. for the U.S. Agency for International Development (USAID) funded "Peaks to Coast" project managed by The Mountain Institute, Peru, 2010.
- "Glaciares y aluviones en la Cordillera Blanca," Working paper for the Expanded Proceedings of the "Adaptando a un mundo sin glaciers" Taller-Congreso, Peru, 2009.
- "Glaciers and Outburst Floods in the Cordillera Blanca," Working Paper for the *Expanded Proceedings* of the "Adapting to a World without Glaciers" Workshop, Peru, 2009.

OUTREACH, ORGANIZING, AND RESEARCH ACTIVITIES

- Co-founder and co-director of the Transdisciplinary Andean Research Network (TARN), a collaborative, international, and interdisciplinary research group involving faculty and students working on climate change issues in the Andes, 2013-present

* Co-founders are: Michel Baraer (Université du Québec), Jeff Bury (UC Santa Cruz), Adam French (UC Berkeley), Bryan Mark (Ohio State), Jeff McKenzie (McGill University), and Kenneth Young (University of Texas, Austin)

Co-founder and co-director with Kathy Lynn (University of Oregon), Climate Change and Indigenous Peoples Initiative, 2012-present

WEBSITE CREATION AND EDITOR

<http://glaciers.uoregon.edu/>

"Glaciers, Climate, and Society: Educational Resources and Bibliographies"

<http://glacierlab.uoregon.edu/>

"The Glacier Lab: For the Study of Ice and Society"

<http://ccip.uoregon.edu/>

"Climate Change and Indigenous Peoples: Events, Research, and Initiatives at the University of Oregon" (co-creator and co-editor with Kathy Lynn, Tribal Climate Change Project Coordinator)

<http://glaciers.wlu.edu/>

"Glacier Hazards and Society: Online Bibliography and Resources"

TEACHING - COURSES

University of Oregon (Fall 2010 – present)

HC 231H, Science, Technology, and Environment in the Pre-Columbian Americas
HC 231H, Nature and Knowledge from the Greeks to the Aztecs
HC 232H, Environment and Empire in the Modern World
HC 431H/434H, Climate and Culture in the Americas
HC 408H, Thesis Orientation
HC 477H, Thesis Prospectus

Washington and Lee University (Winter 2007 - Spring 2010)

HIST 130, Latin America from the Mayas to Independence
HIST 131, Modern Latin America
HIST 180, Natural Disasters in the Americas
HIST 233, US-Latin American Relations
HIST 336, Latin American Environmental History
HIST 337, Revolutions in Latin America
INTR 296, Study Abroad in the Caribbean (Barbados and St. Vincent)

University of California, Davis (2004-2005)

HIST 168, Inter-American Relations
HIST 102J, History of Natural Disasters, co-taught with Charles Walker
HIST 162, History of the Andean Region

FACULTY AND POSTDOC MENTORING

Faculty Mentor

Asgar Khan, Visiting Professor from Karakoram International University, Pakistan, 2016

Postdoc Advisor

Alessandro Antonello, Postdoctoral Research Fellow (NSF grant funded), 2014-2016 (placed in School of Historical and Philosophical Studies, University of Melbourne, Australia)

DISSERTATION AND THESIS COMMITTEES

Ph.D. Advisor

Holly Moulton, Environmental Studies Program, 2017-
Hayley Brazier, History Department, University of Oregon, 2015- (co-advisor)
M. Jackson, Geography Department, University of Oregon, 2012-2017 (co-advisor)

Ph.D. Committee Member

Olivia Molden, Geography Department, University of Oregon, 2014-
Dustin Carroll, Department of Geological Sciences, University of Oregon, 2014-2017
Sean Munger, History Department, University of Oregon, 2013-2017
Carolin Roeder, History Department, Harvard University, 2013-2017

M.A. Advisor

Colin Rosemont, Environmental Studies Program, University of Oregon, 2017-
Andrea Willingham, Environmental Studies Program, University of Oregon, 2015-2017

Undergraduate Honors Thesis Major Advisor

Josie Kinney, Environmental Studies/Spanish, 2016-2017
Lisa Giamberso Environmental Studies, 2012-2014
Kelsey Ward, Environmental Studies, 2012-2013
Allison Ahl, History, 2010-2011

Undergraduate Honors Thesis Committee Member

49 Honors Theses, Clark Honors College Representative, 2010-2017

INVITED KEYNOTE AND DISTINGUISHED LECTURES

"Cambio climático, desastres glaciares y justicia ambiental, " invited Keynote Lecture for the Foro Internacional de Ciencias Sociales: Diálogos Interdisciplinarios sobre el Cambio Climático, Desastres y Gobernanza, Cusco, Peru, August 2017.

"The Nature and Politics of Knowledge: Perspectives from the Cold War to the Present," invited Keynote Lecture for the "Traveling Technocrats: Experts and Expertise in Latin America's Long Cold War" conference, Yale University, October 2016.

"Glaciers, Science, and Culture Wars: A Case for Environmental Humanities," invited Distinguished Lecture for the Environmental Arts and Humanities Graduate Conference, Oregon State University, Corvallis, OR, May 2016.

"Feminist Glaciology: Rethinking Power, Knowledge, and Ice in the 1970s," invited keynote lecture for the "1970s: Turn of an Era in the History of Science?" workshop, Aarhus University, Denmark, September 2015.

"Glaciers, glaciology and gender: Critical societal perspectives," invited keynote lecture for the "Vanishing Glaciers and Coping Communities: Insights from Around the World" conference, Bern, Switzerland, September 2015.

"Glaciares, riesgos y agua desde las perspectivas socio-cultural y científica," invited keynote address co-presented with César Portocarrero for the Foro Internacional Glaciares, Huaraz, Peru, July 2013.

"Mountaineering, Climate Change, and the Making of Geographical Knowledge," invited keynote lecture for the Geography Institute Graduate Student Workshop, University of Zurich, Switzerland, November 2010.

"Una perspectiva histórica del cambio climático y el retroceso glacial en los andes," invited keynote lecture for the "Adaptándonos a un mundo sin glaciares: realidades, desafíos y acciones," Workshop-Conference, Peru, July 2009.

INVITED LECTURES

"La adaptación en alta montaña: consideraciones," invited lecture for the Escuela de Invierno 2017: Multi-uso de recursos hídricos en alta montaña, Pisac, Peru, August 2017.

"Understanding and Controlling Icebergs: The Science, Art, and Engineering of Ice in the North Atlantic," invited lecture, Portland State University, April 2017.

"Becoming a Public Intellectual in the 21st Century," invited lecture for the Professional Development Events of the Graduate School, University of Wisconsin – Milwaukee, April 2017.

"Climate and Glacier Hazards in the Andes," invited presentation for "Hurricanes, Famine & Floods: Social Histories of Disaster in the Americas" course, University of Delaware, April 2017.

"Bombing Icebergs and Engineering the Ocean: An Environmental History of the International Ice Patrol," invited lecture and paper for the Duke History Colloquium, Duke University, January 2017.

"Dying Glaciers and Thirsty People: Reframing Climate Research Around Social Justice," invited lecture, Pomona College, November 2016.

"Deep Ice Cores, Time, and the Re-envisioning of the Global Environment," invited paper presented to the Yale Environmental History Colloquium, Yale University, October 2016.

"New Perspectives on Glacier Retreat and Water Reduction for Mountain Societies," invited lecture at the University of East Anglia's Water Security Research Centre, Norwich, United Kingdom, May 2016.

- "Ice Cores, Time, and the Re-envisioning of the Global Environment" invited lecture for the "Experiencing the Global Environment" workshop, Max Planck Institute for the History of Science, Berlin, Germany, February 2016.
- "Glaciares, cambio climático y desastres naturales: Ciencia y sociedad en el Perú," invited lecture and book presentation, Institute of Peruvian Studies (IEP), Lima, Peru, May 2015.
- "Glaciares, cambio climático y desastres naturales: Ciencia y sociedad en el Perú," invited lecture and book presentation, National Institute of Culture, Huaraz, Peru, May 2015.
- "Glaciers, Gender, and Science: Toward a Feminist Glaciology," invited lecture for the Geography Colloquium, Ohio State University, February 2015.
- "Glaciers, Science, and Top Secret Military Schemes," invited Nancy R. Chandler Visiting Scholar Lecture, Central Oregon Community College and Sunriver Nature Center, Bend, OR, October 2014.
- "Glaciers, National Security, and the Roots of Cutting Edge Climate Science," invited public lecture for the Science Pub Eugene, Oregon Museum of Science and Industry (OMSI), June 2014.
- "Marine Environmental History and the International Ice Patrol in the North Atlantic," invited presenter for the Andrew W. Mellon Foundation "Sea Change: Integrating the Historical Study of Human Cultures and Marine Environments in Three Pacific Regions" seminar at the University of California, Santa Barbara, April 2014.
- "Climate Change, Watersheds, and Technologies: Historical Perspectives on Irrigation in Peru," invited lecture and discussion, University of California, Santa Barbara, April 2014
- "Vulnerability to Climate Change, Glacier Retreat, and Hydrologic Variability: The Case of Export Agriculture in Peru," invited speaker for the "Climate Change, Global Health and the Inequalities of Risk" symposium, University of Washington, Seattle, April 2014
- "The International Ice Patrol: Or, How Icebergs (and Iceberg Hunters) Shaped the Modern World," invited paper and lecture for the Mellon Research Initiative "Environments & Societies: History, Literature, and Justice," University of California, Davis, January 2014
- "Watering the Desert, Feeding the Revolution: Velasco's Influence on Water Law and Agriculture on Peru's North-Central Coast," invited paper and presentation for the "Rethinking Military Nationalism: New Perspectives on the Revolutionary Government of the Armed Forces, Peru, 1968-1975" conference, University College London, United Kingdom, October 2013
- "Cambio climático, glaciares y la perspectiva socio-hidrológica en la cuenca del río Santa," invited public lecture co-presented with Adam French, Universidad Privada Antenor Orrego, Trujillo, Peru, July 2013
- "Cold War Climate Science since 1950," invited lecture at the "Colonialism and Climate History" Workshop at Georgetown University Sponsored by the German Federal Ministry of Education and Research, the Mortara Center for International Studies

at Georgetown University, and the German Historical Institute in Washington DC, June 2013

"Encounters with Ice: How Glaciers Changed the World and Captured Our Imagination," invited lecture, Osher Lifelong Learning Center, Eugene, Oregon, April 2013

"Water and Ice in the Andes: A Century of Climate Change, Glacier Disasters, and Hydro-Social Conflicts," invited lecture, University of Portland, Oregon, April 2013

"Climate Change, Alpine Glaciers, and Water Use," invited presentation for the Alpine Environments Symposium, Oregon State University, January 2013

"Agua, clima e historia ambiental: o, por qué los historiadores y los políticos deberían comunicarse," invited lecture at the Pontificia Universidad Católica de Chile, Santiago, September 2012

"Case Study of the Consequences of Glacier Melt in Peru," co-presented with César Portocarrero, Director, Unidad de Glaciología y Recursos Hídricos, Peru, at the "Glacier Melt, Early Snowmelt, and Sea Level Rise" symposium, University of California, Irvine, October 2011

"Climate Change and National Parks: How Global Warming Discourse has Shaped US Views of International Parks," invited paper and presentation at the "National Parks beyond the Nation" symposium, Colorado State University, September 2011

"Glaciología y control de lagos glaciares: Fundamentos exitosos y una agenda de urgencia para la adaptación al cambio climático," lecture for government officials in Peru's Ministry of Environment, Lima, March 2011.

"En la sombra de los nevados derretidos: Cambio climático, agua y sociedad Andina," invited lecture for the Foro Internacional Cambio Climático y Escasez de Agua: Retos Humanos y Sociales en los Andes Peruanos conference, Pontificia Universidad Católica del Perú, Lima, March 2011 (invitation from co-sponsor, University of Copenhagen, Denmark).

"Water and Ice in the Andes: A Century of Climate Change, Glacier Disasters, and Hydro-Social Conflicts," invited lecture, University of Michigan, Exhibit Museum of Natural History, February 2011.

"Water Conflicts and Technological Solutions to Climate Change: An Historical Analysis from the Peruvian Andes," invited presentation and workshop leader, University of Michigan Doctoral Program in Anthropology and History, February 2011.

"Mountain Cryospheric Reservoirs: A Hydrosocial Framework," invited presentation for the Institute for Advanced Sustainability Studies, Potsdam, Germany, August, 2010.

"Local Communities and Glacial Lake Outburst Flood Mitigation: Lessons from Peru," solicited lecture for the European Geosciences Union, Vienna, Austria, May 2010.

"Climate, Glaciers, and Social Conflict in the Peruvian Andes," Institute of Geography, University of Zurich, Switzerland, April 2010.

"The Effects of Technology on Climate Change Adaptation and Water Management in the Peruvian Andes," Hall Center for the Humanities, University of Kansas, Feb. 2010.

"Glacier Disasters, Climate History, and Social Conflict in the Peruvian Andes," IGERT Climate Change Program, University of Kansas, February 2010.

- "Nazi Mountaineers in the Andes: Origins of Alpine Ecotourism and the Conservation-as-Economic-Development Model," Environmental Studies Colloquium, Washington and Lee University, February 2010.
- "Rethinking the Science of Climate: Water Use, Culture, and Adaptation to Global Warming in the Andes," Wagner Graduate School of Public Service, New York University, November 2009.
- "The Social Dimensions of Water Use and Climate Change in the Andes," Presentation at the Climate Change and Water in the Andes Symposium, University of California, Davis, April 2009.
- "Water and Society when the Glaciers Melt," Washington and Lee University, International Water Awareness Week Lecture Series, September 2008.
- "Glacier Cultures in the Andes: Disasters, Science, and the Social Implications of Climate Change in Peru," Presentation for the Culture and Society Colloquium, Washington and Lee University, March 2008.
- "Climate and History," Invited paper presented at the workshop, "Nature's History: Environmental History for the Twenty-first Century," Temple University, September 2007.
- "The History of Ice: How Glaciers Became an Endangered Species," Environmental Studies Colloquium, Washington and Lee University, April 2007.
- "The End of Ice: Glaciers as an Endangered Species," Energy and Resources Group, University of California, Berkeley, December 2006.
- "Neoliberalized Glaciers: Hydroelectricity, Climate Change, and Natural Disasters in Peru," Geography Department Colloquium, University of California, Berkeley, April 2006.
- "El cambio climático, los glaciares y la política de mitigación de desastres naturales en la Cordillera Blanca," Museo del Instituto Nacional de Cultura, Huaraz, Perú, November 2005.
- "Glacier Hazard Zones: Living With Avalanches and Outburst Floods in Peru's Cordillera Blanca," Tropical Glaciology Group, University of Innsbruck, Austria, October 2004.
- "Los nevados y lagunas en la vida histórica del Callejón de Huaylas," Museo del Instituto Nacional de Cultura, Huaraz, Perú, April 2004.
- "Vivir con glaciares: La influencia del clima en la sociedad y en la política peruana," Pontificia Universidad Católica del Perú, Lima, April 2004.
- "El clima, los glaciares y el estado peruano, 1941-1960," undergraduate history class, Pontificia Universidad Católica del Perú, Lima, April 2004.
- "The United States in the Latin American Mentality," New College, San Francisco, California, December 2002.
- "La influencia Mayangna en la historia de la Costa Atlántica Nicaragüense," Universidad Centroamericana, Managua, Nicaragua, July 1999.

CONFERENCE PRESENTATIONS (all papers/presentations sole-authored unless otherwise noted)

"Mummies and Mammoths Melting from Ice: Anthropocene Impacts on History, Archaeology, and Perceptions of the Future," paper presented at the American Society for Environmental History Annual Meeting, Chicago, April 2017.

Christian Huggel, **Mark Carey**, Holger Frey, Christine Jurt, Reinhard Mechler, Alina Motschmann, and Luis Vicuña, "Disruptions in adaptation of sudden-onset and slow-onset risks: insights from a local case in the Andes of Peru for global policies," poster presentation, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2017.

Adam Emmer, Noah Walker-Crawford, **Mark Carey**, Christian Huggel, Roda Verheyen, and Ivo Wallimann-Helmer, "Climate change and diverse dimensions of glacial lake outburst floods (GLOFs): Lake Palcacocha case study, Peru," poster presentation, European Geosciences Union (EGU) General Assembly, Vienna, Austria, April 2017.

Bryan G. Mark, Jeffrey M McKenzie, Michel Baraer, Pablo Lagos, Laura Lautz, **Mark Carey**, Jeff Bury, Ryan Crumley, Oliver Wigmore, and Lauren Dorothy Somers, "Glacier loss and emerging hydrologic vulnerabilities in the Peruvian Andes," Presentation at the American Geophysical Union Annual Meeting, San Francisco, December 2015.

"An Environmental History of Icebergs in the North Atlantic," paper presented to the Cascadia Environmental History Collaborative Retreat, Eatonville, WA, September 2014.

B.G. Mark, M. Baraer, K.I. Huh, **M. Carey**, A. French, J. Bury, K. Young, J. McKenzie, A. Eddy, A. Fernandez and Oliver Wigmore, "From glaciers to the desert: Assessing hydrologic change and social vulnerability across a tropical Andean waterscape," presented at the 71st Eastern Snow Conference, Boone, NC, June 2014.

Fabian Drenkhan, Christian Huggel, **Mark Carey**, Adam French, and Luzmila Dávila, "Present and Future Water Resources Supply and Demand in the Central Andes: A Comprehensive Review with Focus on the Cordillera Blanca, Peru," presentation at the Third International Climate Change Adaptation Conference, Fortaleza Ceará, Brazil, May 2014.

Graham McDowell, **Mark Carey**, Christian Huggel, and Jeffrey S. Kargel, "Social Dimensions of Vulnerability to Glacier-Hydrology Hazards in Peru and Nepal," poster presentation, European Geosciences Union General Assembly, Vienna, Austria, April 2014.

"Apocalyptic Climate Change Narratives and the Ecologically Noble Indian: Historical Perspectives from the Andes," American Society for Environmental History Annual Meeting, San Francisco, March 2014.

Session organizer and presenter for roundtable on "Crossing Academic Divides: How to Bring Undergraduate Students into Environmental History Research," American Society for Environmental History Annual Meeting, San Francisco, March 2014 (co-presented with undergraduate student Jaclyn Rushing).

"Glacier Runoff and Human Vulnerability to Climate Change: The Case of Export Irrigation in Peru," Paper presented at the American Geophysical Union Annual Meeting, San Francisco, December 2013. (*invited oral presentation*)

- "Life-Giving Places in the Andes: How Narratives of Geography, Environment, and Disease Spawned Nineteenth-Century Health Resorts in South America," Paper presented at the American Historical Association Annual Meeting (joint with Conference on Latin American History), New Orleans, January 2013.
- "Parques nacionales, montañistas y el desarrollo económico en América Latina," Paper presented at the 6th symposium of the Sociedad Latinoamericana y Caribeña de Historia Ambiental, Villa de Leyva, Colombia, June 2012 (paper co-authored with undergraduate student Kelsey Ward).
- "Historians and Climate Change," Roundtable presentation, Organization of American Historians Annual Meeting, Milwaukee, Wisconsin, April 2012.
- "Climate, Culture, and History in Latin America: A Social Turn in the Weather?" Paper presented at the American Historical Association Annual Meeting (joint with Conference on Latin American History), Chicago, January 2012.
- "Medicinal Mountains and Curative Climates: How Physicians Made the Andes Sacred," Paper presented (and invited panel organizer) at the American Historical Association Annual Meeting, Boston, MA, January 2011.
- "Climate Crisis and Energy Transition: Lessons from History and Insights from the Andes," Presentation at the Annual Meeting of the American Society for Environmental History, Portland, Oregon, March 2010.
- "Climbing for Science: German Scientist-Mountaineers, Disaster Prevention, and Society in the Peruvian Andes, 1932-1952," Paper presented at the Latin American Studies Association Congress, Rio de Janeiro, Brazil, June 2009.
- "Consuming the Weather: Climate, Health, and Tourism in the Caribbean, 1650-1950," Paper presented at the conference, "Climate and Cultural Anxiety: Historical and Social Perspectives," Colby College, April 2009.
- "On Top of the Andes: International Mountaineering, Science, and Environment in Peru," Conference on Latin American History, Andean Studies Committee, American Historical Association Annual Meeting, New York, January 2009.
- "Engineering the Melting Andes: Climate, Glaciers, and the Control of Peru's Santa River Watershed," Annual Meeting of the American Society for Environmental History, St. Paul, Minnesota, March 2006.
- "Inhabiting Glacier Hazard Zones in Peru's Cordillera Blanca, 1962-1978," Wengen Workshop on Global Change Research, "Mountain Glaciers and Society: Perception, Science, Impacts, and Policy," Switzerland, October 2004.
- "Confronting Climate Change, Glacier Retreat, and Outburst Floods in Peru: Local People's Views of Scientists and Their Science," Annual Meeting of the American Meteorological Society, Seattle, January 2004. (*Invited presentation*)
- "Glacier Politics: State Responses to Glacier Retreat in Peru Since 1941," American Anthropological Association Annual Meeting, Chicago, November 2003.
- "Living With Glaciers: Social Impacts of Climate Change and Glacier Retreat in Peru's Cordillera Blanca," Young Scientists Global Change Conference, Trieste, Italy, November 2003. (*Invited presentation*)

- "La política glaciár: El estado peruano y las amenazas glaciares de la Cordillera Blanca," [Glacier Politics: The Peruvian State and Glacier Threats in the Cordillera Blanca, 1941-1962], International History Students Conference, Pontificia Universidad Católica del Perú, Lima, October 2003. Winner: Franklin Pease Award, Best Conference Paper
- "Glacial Lakes, People, and History in the Peruvian Andes," "Mountains: Sources of Water, Sources of Knowledge" Conference, University Institute Kurt Böschi, Sion, Switzerland, October 2002. (*Invited presentation*)
- "Globalizing Glaciers: An Environmental and Social History of Climate Change in Peru," participant at University of California, Berkeley, Institute of International Studies Dissertation Workshop, 2002
- "Separate but Integrated: Land, Markets, and Identity among Nicaragua's Mayangna Indians," "Latin America: History, Society, and Culture" Conference, San Francisco State University, April 2001
- "Creating Remoteness: Geographical Obstacles and Indigenous Resistance in Nicaragua's BOSAWAS Nature Reserve," American Society for Environmental History Annual Conference, Tacoma, WA, March 2000
- "Natural Resources, Markets, and Land Use Change Among Nicaragua's Mayangna Indians, 1800 to the Present," Annual Meeting of the Rocky Mountain Council on Latin American Studies, Missoula, Montana, 1998

UNIVERSITY-WIDE GRANTS AND FELLOWSHIPS

University of Oregon

- Global Oregon Faculty Collaboration Award for collaborative research with Fernando Purcell, Pontificia Universidad Católica, Chile, 2015-2016
- Williams Council Instructional Grant (\$25,500) for collaborative teaching with Kathy Lynn in Environmental Studies (UO) and student conference, 2013-2014
- Oregon Humanities Center Faculty Research Fellowship, Fall 2012
- College of Arts and Sciences Grant for Student Conference on "Indigenous Peoples, Climate Change, and Environmental Knowledge," 2011-2012
- Americas in a Globalized World Initiative (Big Idea), Course Development Grant, 2011
- New Junior Faculty Award, 2011

Washington and Lee University

- Lenfest Grant, 2009
- Mednick Memorial Fellowship, 2009 (declined)
- Glenn Grant, 2007 and 2008

University of California, Davis

- Chancellor's Teaching Fellowship, University of California, Davis, 2004-2005
- Dean's Graduate Travel Scholarship, 2003
- Roland Marchand Research Fellowship, 2003
- Agricultural History Center Dissertation Fellowship, 2002-2003
- Hubert H. and Barbara P. Wakeham Research Fellowship, 2002
- Department of History Summer Research Fellowship, 2001

Department of History Travel Award, 2000
Graduate Student Association Travel Scholarship, 2000
Borderlands Fellowship, 1999-2000

University of Montana

A.B. Hammond Fellowship, University of Montana, 1997

PROFESSIONAL SERVICE

Editorial Board Memberships:

Hispanic American Historical Review
Historia Ambiental Latinoamericana y Caribeña (HALAC)
Cambio climático en los Andes tropicales / Climate Change in the Tropical Andes
Revista de Glaciares y Ecosistemas de Montaña
Social Sciences

Manuscript review, journal articles:

Agricultural History
Annals of the American Association of Geographers
Anthropocene Review
Arctic
Bulletin of the American Meteorological Society
Climatic Change
Environment and History
Environmental History
Environmental Science & Policy
Geography Compass
Hispanic American Historical Review
History Compass
History of Meteorology
Humanities
International Journal of Environmental Research and Public Health
Journal of Ecology and the Natural Environment
Journal of Ethnobiology
Journal of Latin American and Caribbean Anthropology
Journal of Maps
Latin American Politics and Society
Mexican Studies/Estudios Mexicanos
Natural Hazards
Nature
Nature Communications
Political Geography
Professional Geographer
Progress in Physical Geography
Regional Environmental Change
Religions
Resilience: A Journal of the Environmental Humanities
Revista Andina
Revista de Glaciares y Ecosistemas de Montaña
Revista Historia Iberoamericana

Science, Technology, and Human Values
Social Sciences
Springer Plus
Transactions of the Institute of British Geographers
Water
Water History
Weather, Climate, and Society
Wiley Interdisciplinary Reviews: Climate Change (WIREs Climate Change)
World Development

Manuscript review, books:

Brill
Cambridge University Press
*Intergovernmental Panel on Climate Change (IPCC), Working Group II, 4th (2007)
and 5th (2014) assessment reports, multiple chapters, multiple drafts*
Oxford University Press
Palgrave Macmillan
Polity Press
Prentice Hall
Potsdam Inst. for Climate Impact Research
Routledge
SAGE Books
University of Nebraska Press
University of Washington Press

Grant proposal review:

National Science Foundation (NSF), General Panel Review Member (3 panels),
2015-2016
National Science Foundation, various programs:
NSF – Coupled Natural and Human Systems
NSF – Geomorphology and Land-Use Dynamics
NSF – Partnerships for International Research and Education (PIRE)
NSF – Science, Technology, and Society
Concurso de Proyectos Interdisciplinarios, Pontificia Universidad Católica del Perú
European Research Council (ERC)
Next Generation of Polar Researchers
Social Science Research Council
Swiss National Science Foundation
The Netherlands Organisation for Scientific Research (NWO), Council for the
Humanities
Wellcome Trust (UK), Humanities and Social Sciences Division

Leadership and Service Roles:

Program Committee Member, American Society for Environmental History 2018
Annual Meeting, service from 2016-2018
Member of the History of Science Committee, American Meteorological Society,
2015-2018
Advisory Group for Research Evaluation Member, Pontificia Universidad Católica
del Perú, invited by Vice President for Research to evaluate and advise the

- Office of the Vice President for Research on grants and faculty research at the university, 2013-2016
- External Reviewer for Proyecto Glaciares, "Glaciares 513 - Adaptación al cambio climático y reducción de riesgos de desastres por el retroceso de los glaciares en la Cordillera de los Andes," a project by CARE International, University of Zurich, Peru's Unidad de Glaciología, Autoridad Nacional del Agua, and local and regional governments in Peru, funded by the Swiss Agency for Cooperation and Development, 2015.
- Co-Convener, International Union of Geodesy and Geophysics (IUGG) Symposium "Revolutions in Earth Sciences: from Different Spheres to a Common Globe," for IUGG Union Symposia, Prague 2015
- Co-Convener, International Association of Cryospheric Sciences (IACS) Symposium on "Challenges in Cryospheric Sciences: Past, Present and Future," for International Union of Geodesy and Geophysics (IUGG) Symposium, Prague, 2015
- Co-Founder and Co-Director, Transdisciplinary Andean Research Network (TARN), a collaborative, international, and interdisciplinary research group involving faculty and students working on climate change issues in the Andes, 2012-
- Chair, Selection Committee for Elinor Melville Prize for Best Book in Latin American Environmental History (Conference on Latin American History), 2013-2014
- Representative of the International Association of Cryospheric Sciences to the International Union of Geodesy and Geophysics Working Group on History, 2013-
- Expert Reviewer, Fifth Assessment (2014) of the Inter-Governmental Panel on Climate Change (United Nations and World Meteorological Organization), Working Group II, 2012-2013
- Contributing Author, Working Group II, chapters 18 and 26, Fifth Assessment Report (2014) of the Inter-Governmental Panel on Climate Change, 2011-2013
- Selection Committee Member for Elinor Melville Prize for Best Book in Latin American Environmental History (Conference on Latin American History), 2011-2013
- Invited Expert Reviewer for Zero Order Draft of Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report, 2011
- Keynote speaker and faculty participant, Graduate Student Workshop, Geography Institute, University of Zurich, Switzerland, November 2010
- Elected delegate to co-prepare and present "Síntesis de la conferencia científica: adaptándonos a un mundo sin glaciares," workshop conclusions to Peruvian government officials, NGOs, and academics, Lima, July 2009
- Conference-Workshop Presentations, Field Trip Leader, and Working Group Member at "Adaptándonos a un mundo sin glaciares," Conference-Workshop, Peru, July 2009
- Outstanding Faculty Awards Application/Nomination Reviewer, State Council of Higher Education for Virginia, 2009 (for 2010 awards)
- Committee Member, Elinor Melville Prize for Best Book in Latin American Environmental History (Conference on Latin American History), 2007

Expert Reviewer, Fourth Assessment (2007) of the Inter-Governmental Panel on Climate Change (United Nations and World Meteorological Organization), Working Group II, 2005-2007

Editor, Andes section of Environmental History of Latin America website (<http://www.stanford.edu/group/LAEH/index.html>), 2001-2006

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

American Historical Association

American Society for Environmental History

Conference on Latin American History

Glaciers and Permafrost Hazards in Mountains (GAPHAZ), a Scientific Working Group of the International Association of Cryospheric Sciences (IACS)

International Commission on History of Meteorology

International Association of Cryospheric Sciences

Society for Latin American and Caribbean Environmental History (SOLCHA)

The Mountain Forum