

Ben Orlove

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website: GlacierHub www.glacierhub.org

EDUCATION: Harvard College
B.A. (Anthropology) 1969
University of California, Berkeley
M.A. (Anthropology) 1970
Ph.D. (Anthropology) 1975

EMPLOYMENT: Columbia University, July 2010-present
School of International and Public Affairs, Professor
Climate School, Faculty Member
International Research Institute for Climate and Society,
Senior Research Scientist
MA Program in Climate and Society, Director

University of California, Davis
Department of Environmental Science and Policy
July 1974-June 1978, Assistant Professor
July 1978-June 1985, Associate Professor
July 1985-June 2010, Professor

LANGUAGES: Spanish, Portuguese, French, German, Quechua

SELECTED GRANTS, AWARDS AND. HONORS

- 2021 Columbia University Earth Institute Frontiers Grant “Multi-seasonal assessment of human wellbeing, place attachment, and ecosystems services and disservices in New York City.” Co-principal investigator Megan Maurer. \$49,179.42 Earth Institute Frontiers Grant, Columbia University
- 2018 American Anthropological Association President’s Award for “scholarship and contributions to documenting anthropogenic climate change”
- 2018 Lead Author, Intergovernmental Panel on Climate Change, Sixth Assessment Report. 2018-2022.
- 2017 Research Associate, Division of Anthropology, American Museum of Natural History 2017-present
- 2016 Lead Author, Intergovernmental Panel on Climate Change, Special Report on Oceans and the Cryosphere, 2016-2019.
- Research Associate, Division of Anthropology, American Museum of Natural History, 2016-present
- 2015 US National Science Foundation, Division of Chemical, Bioengineering, Environmental, and Transport Systems. Cooperative Agreement “Integrated Urban Infrastructure Solutions for Environmentally Sustainable, Healthy and Livable Cities” 2014-2018. Co-principal investigators: Anu Ramaswami, Patricia Culligan, Yingling Fan, Armistead Russell. \$12,000,000 (\$2,500,000 to Columbia)
- US National Science Foundation, Division of Social, Behavioral and Economic Sciences. Grant “CRED Renewal: Center for Research on Environmental Decisions-Understanding and Improving Environmental Decisions” 2015-2017. Co-principal investigators: David Krantz, Elke Weber, Kenny Broad \$650,000.
- United States Geological Survey. Grant “A Guide to Natural Hazards Communication,” 2015-2016 \$50,000.
- 2010 US National Science Foundation, Division of Social, Behavioral and Economic Sciences. Grant “Understanding and Improving Environmental Decisions” 2010–2016. Co-principal investigators: David Krantz, Elke Weber, Kenny Broad \$6,498,750.
- 2008 US National Science Foundation, Division of Social and Economic Sciences and US National Oceanic & Atmospheric Administration. Collaborative Research Grant: “Understanding Dynamic Responses to Hurricane Warnings: Implications for Communication and Research”. Co-principal investigators: Kenny Broad, Bob

Meyer, Shuyi Chen, University of Miami. 2009-2011 \$398,000. (Orlove portion \$29,532).

University of Wisconsin, AnthroCircle Distinguished Lecturer.

- 2007 Social Science Research Council, Dissertation Proposal Development Fellowship Program. Graduate training grant. "Water Sustainability: Society, Politics, Culture". Co-principal investigator, Steven Caton, Anthropology, Harvard University \$15,000 and support for training and field work for 10 graduate students.
- 2004 Election to Fellow, American Association for the Advancement of Science.
- US National Science Foundation, Division of Decision, Risk, and Management Sciences. Grant "Center for the Study of Individual and Group Decision-making Under Climate Uncertainty" 2000–2009. \$5,906,000 (Orlove subcontract \$509,201).
- 2003 US National Oceanic & Atmospheric Administration, Office of Global Programs. Grant "Improvement of Forecast Communication and Use between Indigenous and Governmental Groups in Australia: Managing Fire in Arid and Semi-Arid Lands under Conditions of Interannual Climate Variability," 2003-2006. \$339,250.
- 2000 US National Oceanic & Atmospheric Administration, Office of Global Programs. Grant "Improving Climate Forecast Communications for Farm Management in Zimbabwe." Co-principal investigator: Jennifer Phillips, GISS/NASA, Columbia University. 2000-2003. \$159,738.
- 1998 Tinker Foundation. Grant. "The Use of El Niño-related Climate Forecasts in Peruvian Fisheries Management: Integrating Natural and Social Sciences in Environmental Policy." Co-principal investigator: Steve Zebiak, Lamont-Doherty Earth Observatory, Columbia University. 1998-2000. \$80,000.
- 1993 US Department of Education, Fund for the Improvement of Post-Secondary Education. Grant. "Development of an Undergraduate Program in Nature and Culture". Principal investigators: David Robertson, English, UC Davis and Mark Wheelis, Microbiology, UC Davis. 1993-1996. Total award: \$450,000. Support for Orlove: \$25,350.
- 1991 Wenner-Gren Foundation for Anthropological Research, Grant-in-Aid, "Nation-making by Nation-bounding: An Anthropological History of the Peru-Bolivia Border." \$4,000.
- National Science Foundation, Anthropology Program. Grant DBS 91-20426 "Income Source, Consumption and Migration in Four Mexican Villages." Co-principal investigator: Edward Taylor, Agricultural Economics, UC Davis. 1992-94. \$105,012.
- 1990 University of California UC-MEXUS Program. Grant. "Migration, Consumption and Development in Rural Mexico." Co-principal investigator: Edward Taylor, Agricultural Economics, UC Davis. \$10,152.

1982

Ben Orlove, curriculum vitae, p. 4
National Science Foundation, Anthropology Program Grant “The Production,
Distribution and Consumption of Fish in Lake Titicaca (Peru-Bolivia)” 1982-83.

\$15,216.

- 1978 National Science Foundation, Anthropology Program Grant. "Resource Utilization in a Lacustrine Environment" 1978-81. \$61,303.

PUBLICATIONS

BOOKS

- 2008 Ben Orlove, Ellen Wiegandt and Brian H. Luckman, eds. Darkening peaks: glacial retreat, science and society. Berkeley: University of California Press.
- 2003 Sarah Strauss and Benjamin S. Orlove, eds. Weather, culture, climate. London: Berg.
- 2002 Lines in the water: nature and culture at Lake Titicaca. Berkeley: University of California Press.
- 1997 The allure of the foreign: imported goods in post-colonial Latin America. Ann Arbor: University of Michigan Press. (edited volume).
- 1995 In my father's study. Singular Lives: The Iowa Series in North American autobiography, Albert E. Stone, series editor. Iowa City: University of Iowa Press.
- German translation 2002. Die Erfindung meines Vaters. Berlin: Metropol-Verlag
- 1989 Henry J. Rutz and Benjamin S. Orlove, eds. The social economy of consumption. Lanham, MD, New York and London: University Press of America.
- 1989 Benjamin S. Orlove, Michael W. Foley and Thomas F. Love, eds. State, capital and rural society: anthropological perspectives on political economy in Mexico and the Andes. Boulder, CO: Westview Press.
- 1982 Pierre Morlon, Benjamin Orlove and Alberic Hibon, Tecnologías agrícolas tradicionales en los Andes centrales: perspectivas para el desarrollo. Lima: UNESCO and Corporación Financiera de Desarrollo.
- 1980 Benjamin S. Orlove and Glynn Custred, eds. Land and power in Latin America: agrarian economics and social process in the Andes. New York: Holmes and Meier.
- 1977 Alpacas, sheep and men: the wool export economy and regional society in southern Peru. New York: Academic Press.

JOURNAL ARTICLES

2022

New, M., Reckien, D., Viner, D., Adler, C., Cheong, S.-M., Conde, C., Constable A., Coughlan de Perez, E., Lammel, E., Mechler, R., Orlove, B., Solecki, W. 2022. Decision Making Options for Managing Risk. In IPCC 2022, Climate Change 2022: Impacts, Adaptation and Vulnerability.. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press. In Press.

Wrathall, D., McLeman, R., Adams, H., Adelekan, I., Gilmore, E. Gemenne, F., Hilmi, N. Orlove, B. Basu, R., Buhaug, J., Castellanos, E., Dodman, D., Kalaba, F., Mukerhi, R., Patel, K., Singh, C., THorton, P., Trisos, C., Warrick, O. and Padeny, B. 2022. Cross-Chapter Box MIGRATE: Climate-related Migration. In Climate Change 2022: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change [H.-O. Pörtner, D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press. In Press.

Orlove, B. 2022 The concept of adaptation. Annual Review of Environment and Resources. Vol. 47. Scheduled for publication October 2022

Simpson, N.P., Clarke, J., Orr, S.A., Cundill, G., Orlove, B., Fatorić, S., Sabour, S., Khalaf, N., Rockman, M., Pinho, P., Maharaj, S.S., Mascarenhas, P.V., Shepherd, N., Sithole, P.M., Ngariuyam G,W,, Roberts, D.C. and Trisos, C.H. 2022 . Decolonizing climate change–heritage research. Nature Climate change 12:210-213. doi: 1038/s41558-022-01279-8

2021

Maurer, M. , Cook, E.M. Yoon, L., Visnic, O., Orlove, B. Culligan, P.J. amd Mailloux, B.J. 2021 Understanding multiple dimensions of perceived greenspace accessibility and their effect on subjective well-being during a global pandemic *Frontiers in Sustainable Cities* 3,709997 doi.org/10.3389/frsc.2021.709997

Araos,M. Jagannathan, K., Shukla, R, Ajibade, I., Coughlan de Perez, E., Davis, K. Ford, J., Galappaththi, E., Grady, C., Hudson, A.J., Elphin, T.J., Kirchoff, C.J. Lesnikowski, A., Nagle Alverio, G., Nielsen, M., Orlove, B., Pentz, B., Reckien, D. Turek-Hankins, L.L 2021 Equity in human adaptation-related responses: A systematic global review. *OneEarth*. 4(10), pp. 1454-1467 doi.org/10.1016/j.oneear.2021.09.001

Maurer, M., Zaval, L, Orlove N., Moraga, V., and Culligan, P.. 2021 More

than nature: Linkages between well-being and greenspace influenced by a combination of elements of nature and non-nature in a New York City urban park. *Urban Forestry & Urban Greening* 61: 127081
doi:10.1016/j.ufug.2021.127081

- 2021 Wilson, A.J. and Orlove B. Climate urgency: evidence of its effects on decision making in the laboratory and the field *Current Opinion in Environmental Sustainability* 51: 65-76 doi: 10.1016/j.cosust.2021.02.007
- 2020 Orlove, B. and Dominguez, V.R. 2020 Locating the Anthropology of Climate Change: An Interview with Ben Orlove by Virginia R. Dominguez. *American Anthropologist* 122(4):958-960 doi: 10.1111/aman.13502
- 2020 Das, K.V., Jones-Harrell, C., Fan, Y. Ramaswami, A., Orlove, B. and Botchwey, N. 2020 Understanding subjective well-being: perspectives from psychology and public health *Public Health Reviews* 41:25
doi:10.1186/s40985-020-00142-5
- 2020 O'Reilly, J., Isenhour, C., McElwee, P. and Orlove B. 2020 Climate Change: Expanding Anthropological Possibilities *Annual Review of Anthropology* 49:13–29 doi: 10.1146/annurev-anthro-010220- 043113
- 2020 Orlove, B. Shwom, R., Markowitz, E., Cheong, S.-M. 2020 Climate decision-making. *Annual Review of Environment and Resources* 2020 45:1, 271-303 doi: 10.1146/annurev-environ-012320-085130
- 2019 Adler, C., Huggel, C., Orlove, B., Nolin, A., 2019, Climate change in the mountain cryosphere: impacts and responses. *Regional Environmental Change* 19(5):1225-1228

Wilson AJ, Orlove B. 2019. What do we mean when we say climate change is urgent? Working Paper 1, Center for Research on Environmental Decisions. Academic Commons, Columbia University <https://doi.org/10.7916/d8-b7cd-4136>

Garschagen, N., Adler, C., Crate, S., Jacot des Combes, H., Glavovic, B., Harper, S., Holland, E., Kofinas, G., O'Donoghue, S., Orlove, B. Sebasvari, Z., Sommerkorn, M. 2019: Key Concepts of Risk, Adaptation, Resilience and Transformation. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate [H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegría, M. Nicolai, A. Okem, J. Petzold, B. Rama, N.M. Weyer (eds.)]. 87-90.

Prakash, A., Cassotta, S., Glavovic, B., Hinkel, J., Karim, M.S., Orlove, B., Ratter, B. Rice, J., Rivera-Arriaga, E., Sutherland, C. 2019: Governance of the Ocean, Coasts and the Cryosphere under Climate Change. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate [H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegría, M. Nicolai, A. Okem, J. Petzold, B. Rama, N.M. Weyer (eds.)]. 95-99

Crate, S., Cheung, W., Glavovic, B., Harper, S., Jacot des Combes, H., Kanayuk, M.E., Orlove, B., MacDonald, J.P., Prakash, A., Rice, J., Sherpa, P.Y., Sommerkorn, M. 2019 Indigenous Knowledge and Local Knowledge in Ocean and Cryosphere Change. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate [H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegría, M. Nicolai, A. Okem, J. Petzold, B. Rama, N.M. Weyer (eds.)]. 103-105.

Hock, R., G. Rasul, C. Adler, B. Cáceres, S. Gruber, Y. Hirabayashi, M. Jackson, A. Kääh, S. Kang, S. Kutuzov, Al. Milner, U. Molau, S. Morin, B. Orlove, and H. Steltzer, 2019: High Mountain Areas. In: IPCC Special Report on the Ocean and Cryosphere in a Changing Climate [H.-O. Pörtner, D.C. Roberts, V. Masson-Delmotte, P. Zhai, M. Tignor, E. Poloczanska, K. Mintenbeck, A. Alegría, M. Nicolai, A. Okem, J. Petzold, B. Rama, N.M. Weyer (eds.)]. 131-202

Roncoli, R.; Orlove, B.; Ungemach, C.; Dowd-Uribe, B.; West, C.T.; Milch, K. and Sanon, N. Enough is enough: How West African farmers judge water sufficiency. *Regional Environmental Change* 19(2): 573–585

Petrovic, N.; Simpson, T.; Orlove, B. and Dowd-Uribe, B.. Environmental and social dimensions of community gardens in East Harlem. *Landscape and Urban Planning* 183: 36-49

Thomas, K.; Hardy, R.D.; Lazrus, H.; Mendez, M.; Orlove, B.; Rivera-Collazo, I.; Roberts, J.T.; Rockman, M.; Warner, B.P. and Winthrop, R.. Explaining differential vulnerability to climate change: A social science review. *Wiley Interdisciplinary Reviews-Climate Change* 10(2):e565

Orlove, B., Milch, K., Zaval, L., Ungemach, C., Brugger, J., Dunbar, K. and Jurt, C. 2019. Framing climate change in frontline communities: anthropological insights on how mountain dwellers in the USA, Peru, and Italy adapt to glacier retreat. *Regional Environmental Change* 19: 1295–1309

2018 Dowd-Uribe, B.; Sanon, M.; Roncoli, C. and Orlove, B. 2018. Grounding the nexus: Examining the integration of small-scale irrigators into a national food security programme in Burkina Faso. *Water Alternatives* 11(2): 375-393

Kerry Milch, Kenneth Broad, Ben Orlove, Robert Meyer. "Decision Science Perspectives on Hurricane Vulnerability: Evidence from the 2010–2012 Atlantic Hurricane Seasons" *Atmosphere* 9(1):32 DOI: 10.3390/atmos90100329

2016 Ben Orlove. Two days in the life of a river: Glacier floods in Bhutan. *Anthropologica*, 58(2). 227-242

Carla Roncoli, Brian Dowd-Uribe, Ben Orlove, Colin Thor West and Moussa Sanon. Who counts, what counts: representation and accountability in water

governance in the Upper Comoé sub-basin, Burkina Faso. *Natural Resources Forum*, Natural Resources Forum 40:6-20.

Adam Sobel, Suzana J. Camargo, Wim Debucquoy, George Deodatis, Michael Gerrard, Timothy Hall, Robert Hallman, Jesse Keenan, Upmanu Lall, Marc A. Levy, Ben Orlove, Cynthia Rosenzweig, Richaed Seager, Jeffrey Shaman and Michael Tippett, 2016. *Extreme Weather and Climate: Workshop Report*. *Journal of Extreme Events* 3(1): DOI: 10.1142/S2345737616710019

2015

Meha Jain, Shahid Naeem, Ben Orlove, V.J. Modi and Ruth deFries. *Understanding the Causes and Consequences of Differential Decision-Making in Adaptation Research: Adapting to a Delayed Monsoon Onset in Gujarat, India*. *Global Environmental Change*. 31: 98-109.

Aaron M. Petty, Vanessa deKoninck, and Ben Orlove. *Cleaning, Protecting, or Abating? Making Indigenous Fire Management “Work” in Northern Australia*. *Journal of Ethnobiology*. 35(1):140-162.

Myanna Lahsen, Andrew Mathews, Michael R. Dove, Ben Orlove, Rajindra Puri, Jessica Barnes, Pamela McElwee, Frances Moore, Jessica O’Reilly, Karina Yager, 2015. *Strategies for changing the intellectual climate*. *Nature Climate Change*. 5(1):391-392

Christine Jurt, Maria Dulce Burga, Luis Vincuna, Christian Huggel, Ben Orlove, 2015. *Local perceptions in climate change debates: insights from case studies in the Alps and in the Andes*. *Climatic Change* 133(3):511-523

Stephen Zebiak, Ben Orlove, Angel Munoz, James Hansen, Tara Troy, Madeleine Thomson, Catherine Vaughan, Allyza Lustig, Samantha Garvin. *Investigating ENSO and society relationships*. *WIREs Climate Change*. 6:17-34.

2014

Karine Gagné, Mattias Borg Rasmussen, and Ben Orlove. *Glaciers and Society: Attributions, Perceptions, and Valuations*. *WIREs Climate Change*. 5: 793–808.

Ben Orlove, Heather Lazrus, Grete K. Hovelsrud, and Alessandra Giannini.

Recognitions and Responsibilities: On the Origins of the Uneven Attention to Climate Change around the World. *Current Anthropology*. 55(3):1-27.

Robert J. Meyer, Earl J. Baker, Kenneth Broad, Ben Orlove, Jeff Czajkowski. The Dynamics of Hurricane Risk Perception: Real-Time Evidence from the 2012 Atlantic Hurricane Season. *Bulletin of the American Meteorological Society*. 95:1389–1404.

Mattias Borg Rasmussen and Ben Orlove. Anthropologists exploring water in social and cultural life: introduction. *American Anthropologist*

Bas J. van Ruijvena, Marc Levy, Arun Agrawal, Frank Biermann, Joern Birkmann, Timothy R. Carter, Kristie L. Ebi, Matthias Garschagen, Bryan Jones, Roger Jones, Eric Kemp-Benedict, Marcel Kok, Kasper Kok, Maria Carmen Lemos, Paul L. Lucas, Ben Orlove, Shonali Pachauri, Tom Parris, Anand Patwardhan, Arthur Petersen, Benjamin L. Preston, Jesse Ribot, Dale S. Rothman, Vanessa J. Schweizer. Enhancing the relevance of Shared Socioeconomic Pathways for climate change impacts, adaptation and vulnerability research. *Climatic Change*. 122:481-494.

2013 Jessica Barnes, Michael Dove, Myanna Lahsen, Andrew Mathews, Pamela McElwee, Roderick McIntosh, Frances Moore, Jessica O'Reilly, Ben Orlove, Rajindra Puri, Harvey Weiss, and Karina Yager. Contribution of anthropology to the study of climate change. *Nature Climate Change*. 3(6):541-544.

Robert Meyer; Kenneth Broad; Ben Orlove, Nada Petrovic. Dynamic simulation as an approach to understanding hurricane risk response: insights from the Stormview lab. *Risk Analysis*. 33(8):1532-52.

Deborah Nichols; Hugh Jarvis; Ben Orlove. Publishing Survey Findings. *Anthropology News*. 54(5-6):17-18.

2012 David J Hardisty, Ben Orlove; David H Krantz; et al. About time: An integrative approach to effective environmental policy. *Global Environmental Change*. 22(3): 684-694.

Arun Agrawal, Maria Carmen Lemos, Ben Orlove and Jesse Ribot. Cool heads for a hot world – Social sciences under a changing sky. *Global Environmental Change*. 22(2):329-331.

Patricia Pinho, Ben Orlove and Mark Lubell. Overcoming barriers to collective action in community-based fisheries management in the Amazon. *Human Organization*. 71(1):99-109.

2011 Ben Orlove, Renzo Taddei, Guillermo Podestá and Kenneth Broad. *Environmental*

citizenship in Latin America: Climate, intermediate organizations and political subjects. *Latin American Research Review* 46(S1):115-140.

Carla Roncoli, Benjamin S. Orlove, Merit R. Kabugo and Milton M. Waiswa. Cultural styles of participation in farmers' discussions of seasonal climate forecasts in Uganda. *Agriculture and Human Values* 27: 2(1):14-29.

Louise E. Jackson, Stephen M. Wheeler, Alan D. Hollander, Toby O'Geen, Ben Orlove, Johan Six, Daniel Sumner, Fernando Santos-Martin, Joel Kramer, William Horwath, Richard E. Howitt, and Thomas Tomich. 2011 Case study on potential agricultural responses to climate change in a California landscape. *Climatic Change* 109 (S1):407-427.

Ben Orlove. Waiting for Hurricane Irene in New York. *Weather, Climate and Society*. 3(3):145-147.

2010

Ben Orlove, Carla Roncoli, Merit Kabugo and Abushen Majugu. Indigenous climate knowledge in southern Uganda: the multiple components of a dynamic regional system. *Climatic Change* 100(2):243-265.

Reprinted (2011) Ulloa, Astrid (ed.) *Perspectivas culturales del clima*. Bogotá, Colombia: Universidad Nacional de Colombia. 182-221 [reprinted from *Climatic Change* (2010) 100(2):243-265].

Julie Brugger, Kate Dunbar, Christine Jurt and Ben Orlove. Global warming and changing water resources: perceptions of glacier retreat in mountain regions. *Anthropology News* 51:23-24.

Time Horizons and Climate Change. *Weather, Climate, and Society* 2(1): 5-7.

Ben Orlove and Steven C. Caton. Water sustainability: anthropological approaches and prospects. *Annual Review of Anthropology* 39: 401-415.

Nicole D. Peterson, Kenneth Broad, Ben Orlove, Carla Roncoli, Renzo Taddei and Maria-Alejandra Velez. Participatory processes and climate forecast use: socio-cultural context, discussion, and consensus. *Climate and Development* 2:1-16.

Covering Anthropology. *Current Anthropology* 50(6):945-948.

2009

Glacier retreat: Reviewing the limits of adaptation to climate change. *Environment* 51(3):22-34.

Sarah Harris, Nigel Tapper, David Packham, Ben Orlove and Neville Nichols. The relationship between summer rain and winter fire activity in northern Australia.

- International Journal of Wildland Fire 17(5):674-684.
- 2008 Verlassene Dörfer. Kulturaustausch: Zeitschrift für internationale Perspektiven. 13(2):30-31.
- reprint 2014. Kenneth Broad and Ben Orlove The Anthropology of Climate Change: An Historical Reader. Edited by Dove, M. John Wiley & Sons. In press.
- 2007 Kenneth Broad and Ben Orlove. Channeling globality: the 1997-98 El Niño climate event in Peru. *American Ethnologist* 34(2):283-300.
- Sabine Marx, Elke Weber, Ben Orlove, Anthony Leiserowitz, David Krantz, Carla Roncoli and Jennifer Phillips. Communication and mental processes: experiential and analytic processing of uncertain climate information. *Global Environmental Change* 17(1):47-58.
- 2005 Ben Orlove. Human adaptation to climate change: a review of three historical cases and some general perspectives. *Environmental Science and Policy* 8(6):589-600.
- 2005 Ben Orlove and Merit Kabugo. Signs and sight in southern Uganda: representing perception in ordinary conversation. *Etnofoor* 18(1):124-141
- 2004 Ben Orlove, Kenneth Broad, and Aaron M. Petty. Factors that influence the use of climate forecasts: Evidence from the 1997/98 El Niño event in Peru. *Bulletin of the American Meteorological Society*. 85:1735-1743
- 2002 Benjamin S. Orlove, John C. H. Chiang, and Mark A. Cane. Ethnoclimatology in the Andes. *American Scientist* 90:428-435
- 2000 Benjamin S. Orlove, John C. H. Chiang, and Mark A. Cane. Forecasting Andean rainfall and crop yield from the influence of El Niño on Pleiades visibility. *Nature* 403:68-71.
- Spanish transation Benjamin S. Orlove, John C. H. Chiang, and Mark A. Cane. Etnoclimatología de los Andes. *Investigación y Ciencia*. 330:77-85.
- French translation Benjamin S. Orlove, John Chiang, and Mark Cane. Prévisions météorologiques par les astres. *Pour la Science*. 311.
- Swedish translation Benjamin S. Orlove, John Chiang, and Mark Cane. Stjärnbild hjälper potatisoldare i Peru. *Forskning & Framsteg*. March 2003, 38-43.
- 1999 Benjamin S. Orlove and Joshua L. Tosteson. The application of seasonal to interannual climate forecasts based on El Niño-Southern Oscillation (ENSO)

events: Lessons from Australia, Brazil, Ethiopia, Peru, and Zimbabwe. Working Papers in Environmental Politics 2. University of California, Berkeley, Institute of International Studies.

- 1998 Down to earth: race and substance in the Andes. *Bulletin of Latin American Research* 17(2):207-222.
- 1997 Meat and strength: the moral economy of a Chilean food riot. *Cultural Anthropology* 12(2):1-35.
- 1996 Benjamin S. Orlove and Stephen Brush. Anthropology and the conservation of biodiversity. *Annual Review of Anthropology* 25:329-352.
- Stephen Brush and Benjamin S. Orlove. A conversation on conversations. *American Ethnologist* 22(2):413-418.
- Benjamin S. Orlove and Ella Schmidt. Swallowing their pride: indigenous and industrial beer in Peru and Bolivia. *Theory and Society* 24:271-298.
- 1995 The ethnography of maps: the cultural and social contexts of cartographic representation in Peru. *Cartographica* 30(1):29-46.
- Putting race in its place: order in colonial and post-colonial Peruvian geography. *Social Research* 60(2):301-336.
- 1993 Mapping reeds and reading maps: the politics of representation in Lake Titicaca. *American Ethnologist* 18(1):3-38.
2011. In: Dodge, Martin, Kitchin, Rob and Perkins, Chris (eds.) *The Map Reader: Theories of Mapping Practice and Cartographic Representation*. Oxford: Wiley-Blackwell. Pp. 339-353.
- reprinted
- Irresolución suprema y autonomía campesina: los totorales del Lago Titicaca. *Allpanchis* 37:203-268. (Cusco, Peru).
- 1991 Rebels and theorists: an examination of peasant uprisings in southern Peru. *Research in Social Movements, Conflicts and Change* 12:137-185.
- Dominique Levieil and Benjamin S. Orlove. Local control of aquatic resources: community and ecology in Lake Titicaca, Peru. *American Anthropologist* 92(2):18-38.
- 1990 Mountain anthropology and mountain anthropologists: the comparative study of populations and high elevations. *Reviews in Anthropology* 14(2):95-100.

- Benjamin S. Orlove and Ricardo Godoy. Sectoral fallowing systems in the central Andes. *Journal of Ethnobiology* 6(1): 169-204.
- 1987 1992. In Pierre Morlon, ed. *Comprendre l'agriculture paysanne dans les Andes centrales (Pérou-Bolivie)*. Paris: Institut Nationale de la Recherche Agronomique.
- reprinted 1993. *Ventas y trueques en el lago Titicaca: un test para perspectivas alternativas*. In Honorio M. Velasco, ed., *Lecturas de antropología social y cultural: la cultura y las culturas*. Madrid: Universidad Nacional de Educación a Distancia. 423-467.
- 1986 An examination of barter and cash sale in Lake Titicaca: A test of competing approaches in economic anthropology. *Current Anthropology* 27(2):85-106.
- reprinted The history of the Andes: a brief overview from a world-systems perspective. *Mountain Research and Development* 5(1):45-60.
- Relaciones de producción y conflicto de clases en Atalaya, una mina del sur del Perú. *Allpanchis* 26:213-246. Cusco, Peru.
- 1985 Benjamin Orlove and David Guillet. Theoretical and methodological considerations on the study of mountain peoples: reflections on the idea of subsistence type and the role of history in human ecology. *Mountain Research and Development* 5(1):3-18.
- Benjamin Orlove and David Guillet, eds. *Convergences and differences in mountain economies and societies: a comparison of the Andes and the Himalayas*. *Mountain Research and Development* (vol. 5, no. 1).
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PAPERS AT PROFESSIONAL MEETINGS

2020 Ben Orlove “Water Management in an Andean Peasant Community: Adaptation to Climate Change and Accommodation to the Bureaucratic State.” Conference on Climate Change, Health and Mountain Ecosystems and their Governance in Support of Sustainable Development in the Tropical Andes - Central America Region (Andes+) CONDESAN, Lima, Peru.

2019 Ben Orlove “Responding to Climate Change in Mountain Communities: Perspectives from Science, Policy and Society” Institute of Geography, Russian Academy of Sciences, Moscow.

2018 Ben Orlove. “The End in Sight: Life near Shrinking Glaciers,” lecture at the Program in Agrarian Studies, Yale University

2018 Ben Orlove “Climate Change and Discursive Change: Tracing Terms and Concepts through International Climate Organizations” The Committee on Global Thought, Columbia University

2018 Ben Orlove and Patricia Culligan "Integrated design principles for green infrastructure" at the conference "The Science, Business, and Education of Sustainable Infrastructure: Building Resilience in a Changing World" The National Council for Science and the Environment (NCSE)

2018 Ben Orlove. “Tracing Ice Across the Museum: An Anthropological Perspective on Glaciers” Lecture, Division of Anthropology, American Museum of Natural History

2017 Ben Orlove. “Climate change in Africa: Implications for the quality of growth” The Quality of Growth in Sub-Saharan Africa: A Workshop of the JICA-IPD Task Force on Africa Columbia University

2017 Stephanie Pfirman, Jessica Brunacini, Ben Orlove, Elizabeth Bachrach, Larry Hamilton. “Effective climate change engagement and learning through novel education approaches” Annual meeting of the American Geophysical Union.

2017 Ben Orlove “The historical and political dimensions of ethnobotany”. Annual meeting of the American Anthropological Association.

2017 Ben Orlove “Climate denialism, global warming and environmental catastrophe”. Annual meeting of the American Anthropological Association.

2012

Brian Dowd-Urbe, Carla Roncoli, Ben Orlove and Colin T. West. Is market gardening compatible with food sovereignty? Insights from a case study of small-scale micro-irrigated vegetable production in southwest Burkina Faso. Food Sovereignty: A Critical Dialogue conference. New Haven, CT.

Carla Roncoli, Brian Dowd-Urbe, Ben Orlove. Currents of change: Local and transboundary issues in integrated water resource management in Burkina Faso (West Africa). Annual meeting of the Society for Applied Anthropology. Baltimore, MD.

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2011

Perspectives From Editing Two Journals: Current Anthropology and Weather, Climate and Society. Paper presented at the annual meeting of the American Anthropological Association. Montreal.

Carla Roncoli, Ben Orlove, and Brian Dow. Decision theory approaches to water management in Burkina Faso. Presentation to the Integrated Water Management Institute. Ouagadougou, Burkina Faso

Cultural dimensions of climate change in mountain ecosystems. Conference on Climate and Society. Thimphu, Bhutan.

2010

Ben Orlove, Kenneth Broad, and Robert Meyer. Assessing the effectiveness of the cone of probability as a visual means of communicating scientific information. Annual meeting of the American Geophysical Union. San Francisco.

Robert Meyer, Kenneth Broad and Ben Orlove. Studying and Improving Human Response to Natural Hazards: Lessons from the Virtual Hurricane Lab. Annual meeting of the American Geophysical Union. San Francisco.

Ben Orlove and Steve Caton. The circulation of water: movement through watersheds, flow through bodies and places. Annual meeting of the American Anthropological Association. New Orleans, LA.

Heather Lazrus, Ben Orlove and Grete Hovelsrud. Place matters: how reference to and construction of place matters in climate change discourse. Annual meeting of the American Anthropological Association. New Orleans, LA.

Christine Jurt, Julie Brugger, Kate Dunbar and Ben Orlove. Socio-spatial, temporal and physical-cultural dimensions of perception of glacier retreat in three mountain regions. Institute for Environmental Decisions (Swiss Federal Institute of Technology) meeting on Risks and Uncertainties. Monte Verità, Switzerland.

Kate Dunbar, Christine Jurt, Julie Brugger and Ben Orlove. The History, Current Situation and Possible Futures of Water Organizations in Three Glacierized Mountain Settings. Annual meeting of the Association of American Geographers. Washington, D.C.

Carla Roncoli, Ben Orlove and Merit Kabugo. Terms of change: how farmers in Uganda talk about climate change. Annual meeting of the American Meteorological Society. Atlanta, GA.

2009

Christine Jurt, Benjamin S. Orlove, Kate Dunbar and Julie Brugger. The Contributions of Local Knowledge to Cryospheric Climate Data Records. Annual meeting of the American Geophysical Union. San Francisco.

Ben Orlove, Renzo Taddei, Guillermo Podestá and Kenny Broad. Citizenship and Modernity in an Era of Global Warming: New Forms of Climate Awareness in Latin America. Annual Meeting of the Latin American Studies Association. Rio de Janeiro, Brazil.

- Ben Orlove and Steve Caton. Water as an Object of Anthropological Inquiry. Keynote talk at Waterworlds Conference, Danish Royal Academy of Sciences and Letters. Copenhagen, Denmark.
- 2008 Ben Orlove, Carla Roncoli and Merit Kabugo. Starting to talk about climate change: farmers' conversations in southern Uganda. Paper presented at "Weather, local knowledge and everyday life" conference hosted by the International Commission for the History of Meteorology. Rio de Janeiro, Brazil.
- 2007 Ben Orlove, Carla Roncoli, Merit Kabugo and David Krantz. The influence of group discussion on information use in decision-making: farmers' groups, forecast dissemination and agricultural planning in Uganda. Annual meeting of the Society for Judgment and Decision Making. Long Beach, CA.
- Carla Roncoli, Ben Orlove, Kenny Broad and Merit Kabugo. Climate on the agenda: farmers' discussions of climate forecasts in Uganda. Annual meeting of the American Anthropological Association. Washington, D.C.
- Glacier Retreat in the Southern Peruvian Andes: Climate Change, Environmental Impacts, Human Perception and Social Response. Annual meeting of the American Geophysical Union. San Francisco.
- 2006 Anthropological Perspectives on Climate Change Since the 1990s. Annual meeting of the American Anthropological Association. San Jose, CA.
- Myra Kim, Ben Orlove, David Krantz and Mark Grote. The View from Space and the View from Society: A Comparison of the Environmental Variables Measured by Remote Sensing and the Culturally Important Attributes of Climate Change near Mount Hood. Mountain Climate Science Symposium. Mt. Hood, OR.
- Nicole Peterson, Kenny Broad, Ben Orlove, Alex Pfaff, Carla Roncoli, and Renzo Taddei. Understanding Group Participation in Climate Forecast Use. 4th annual NOAA Climate Predictions Applications Science Workshop: Research and Applications on Use and Impacts. Tucson, AZ.
- Ben Orlove, Carla Roncoli and Merit Kabugo. Climate Change and Poverty: A Cultural Perspective. Annual Meeting of the American Association for the Advancement of Science. St. Louis, MO.
- 2005 Sabine Marx, David Krantz, Elke Weber, Anthony Leiserowitz, Ben Orlove and Jennifer Phillips. Affective and Statistical Strategies in Communicating Climate Uncertainty to Individuals and Groups. 6th Open Meeting, Human Dimensions of Global Environmental Change. Bonn, Germany.

New Directions in Anthropological Publications. Annual Meeting of the American Anthropological Association. Atlanta, GA.

2004

Jennifer Phillips and Ben Orlove. Improving Communication of Climate Information for Small-holder Farm management in Uganda. Annual Meeting of the American Society of Agronomy. Seattle, WA.

Ben Orlove and Merit Kabugo, Signs and Sight in Southern Uganda: Representing Perception in Ordinary Conversation. Biennial Conference of the European Association of Social Anthropology, Vienna.

Benjamin S. Orlove. Perceptions of and Responses to Glacial Dynamics in the Andean Highlands of Peru and Bolivia. Annual Wengen Workshop on Global Change Research Workshop: Mountain Glaciers and Society: Perception, Science, Impacts and Policy. Wengen, Switzerland.

Ben Orlove and Barbara Wolf. Social and Cultural Aspects of Glacial Dynamics on Mt. Shasta, California. Annual Wengen Workshop on Global Change Research Workshop: Mountain Glaciers and Society: Perception, Science, Impacts and Policy Wengen, Switzerland.

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Ben Orlove and Barbara Wolf. Social and Cultural Dimensions of Glacial Dynamics on Mount Shasta. Mountain Climate Science Symposium. Lake Tahoe, CA.

2003

Indigenous Perceptions of Climate Variability and Climate Change. Climate-Culture Workshop Influences of El Nino and Other Climate Phenomena on Cultural Development in Peruvian and Andean Societies. Scripps Institution of Oceanography, La Jolla, CA.

What Melting Glaciers Reveal. Annual meeting of the American Anthropological Association. Chicago.

Jennifer Phillips and Ben Orlove. Living with Uncertainty: Approaches to Improve Decision Making using Probabilistic Climate Information in Uganda. NOAA Conference, Human Dimensions of Global Change Climate and Societal Impacts Group. Montreal.

Anthropological Perspectives on Adaptation to Climate Change. Conference on Mitigation and Adaptation: Toward a Mutual Agenda. Center for Advanced Cultural Studies. Essen, Germany.

2002 Experiences with Communication of Climate Forecast Information. Human Dimensions of Global Change Climate and Societal Impacts Group. Seabrook Island, SC.

2001 Grounding Environmental Anthropology: The Place of Soil in Anthropological Studies. Annual meeting of the American Anthropological Association. Washington, D.C.

1999 Sarah Otterstrom and Benjamin Orlove. Coping with El Niño-related droughts in peasant agriculture, northern Costa Rica, 1997-1998. Sixteenth Annual Pacific Climate Workshop. Santa Catalina Island, CA.

Indigenous forecasting of El Nino events: An overview with case studies. Workshop on the Impacts of the ENSO 1997/99. National Center of Ocean Research in Taiwan and the International Research Institute for Climate Prediction. Taipei, Taiwan.

Benjamin Orlove and Joshua Tosteson. The application of seasonal to interannual climate forecasts based on El Niño-Southern Oscillation (ENSO) events: Lessons from Australia, Brazil, Ethiopia, Peru, and Zimbabwe. Annual Meeting of the Society for Applied Anthropology. Tucson, AZ.

1998 Indigenous forecasts of El Niño events: an overview with case histories. International Research Institute for Climate Prediction, Inaugural Lecture Series. Columbia University, New York.

Joshua Tosteson and Benjamin Orlove. The application of seasonal to interannual climate forecasts based on El Niño-Southern Oscillation (ENSO) events: Lessons from Australia, Brazil, Ethiopia, Peru, and Zimbabwe. Annual Meeting of the American Anthropological Association. Philadelphia.

Indigenous forecasting of climate variability: some general considerations and three cases. Annual Meeting of the American Anthropological Association. Philadelphia.

Benjamin Orlove and Joshua Tosteson. The application of seasonal to interannual climate forecasts based on El Niño-Southern Oscillation (ENSO) events: Lessons from Australia, Brazil, Ethiopia, Peru, and Zimbabwe. Annual Meeting of the American Geophysical Union. San Francisco.

- 1997 Geomorphological, biological and cultural diversity of Lake Titicaca, with particular attention to indigenous technology, law and historical consciousness. International Conference on Ancient Lakes: Their Biological and Cultural Diversities. Lake Biwa Museum, Shiga, Japan.
- Conversions and conversations: learning to speak as an environmental anthropologist. Annual Meeting of the American Anthropological Association. Washington, D.C.
- 1996 Struggles to control the commons: social movement or cultural emplacement. Annual Meeting of the International Association for the Study of Common Property. Berkeley, CA.
- Connections to the earth and racial identities in southern highland Peru. Annual Meeting of the American Anthropological Association. San Francisco, CA.
- Benjamin S. Orlove and Arnold J. Bauer. A taste for imports, an importation of tastes: Chilean wine-making and wine-drinking, 1800-1930. Conference on Material Culture, Life Styles, and Consumption in the Iberian World (16th to 19th Centuries). University of Delaware. Newark, DE.
- An examination of Andean peasant diaries: the agrarian household in wider social and political context. Annual Meeting of the Society for Economic Anthropology. Bethlehem, PA.
- 1995 The anthropology of the earth: general considerations and a case from Lake Titicaca. Annual Meeting of the Society for Ethnobiology. Athens, GA.
- 1994 Breaking away from Europe, buying into Europe: class patterns of consumption of imported goods and the paradoxes of postcolonial national culture in 19th and 20th Century Chile. Annual Meeting of the American Anthropological Association. Atlanta, GA.
- A stove of her own: work, family, power and health in Mexican women's kitchen narratives. Annual Meeting of the American Anthropological Association. Atlanta.
- A place of Indians and a place for Indians: the inseparability of race and region in Peru. Annual Meeting of the American Ethnological Society. Los Angeles.
- 1993 The invention of the highlands: geography and the national political imagination in Peru. Colloquium Series, Department of Anthropology, University of Texas, Austin.

Surfacings: thoughts on Jewishness, memory and the ethnographer's self. Annual Meeting of the American Anthropological Association, Washington, D.C.

Patriarchy, capitalism and shoe-polish: an examination of imports into Chile, 1870-1930. Annual Meeting of the American Ethnological Society. Santa Fe, NM.

Cooperative work, common property and collective memory: the bases for peasant identity, action and resistance in highland Peru. Colloquium Series, Program in Agrarian Studies, Yale University.

1992 Interdependent futures: sustainable development as process, project and narrative. Center for Resource Studies Research Conference: "Ecosystems and Global Systems". Utrecht, the Netherlands.

Finding patterns or inventing them: an analysis of an analysis of Andean consumption data. Annual Meeting of the American Anthropological Association. San Francisco.

1991 Indigenous knowledge and agricultural practices: crop varieties in southwest China and the Andes. Biannual Meeting of the Southwest China Minority Studies Association. Dali, Yunnan, China.

Censuses, briefings, interviews and observation: some reflections on research methodologies among minority peoples. Biannual Meeting of the Southwest China Minority Studies Association. Dali, Yunnan, China.

1990 Reporting conflicts and conflicting reports: an examination of accounts of hostile encounters between peasants and government officials in highland Peru. Annual Meeting of the American Ethnological Society. Atlanta, GA.

Narrativas políticas campesinas y estatales: perspectivas distintas sobre la violencia. Conference of the Grupo de Trabajo de Historia y Antropología Andinas sobre el tema "Poder y Violencia en los Andes," Facultad Latinoamericana de Ciencias Sociales. Quito, Ecuador.

Local events or a regional movement: examining peasant opposition to a government program in Peru. Annual Meeting of the American Anthropological Association. New Orleans, LA.

Consumption, production and history among the fishermen of Lake Titicaca. Annual Meeting of the American Anthropological Association. New Orleans, LA.

1989 The analysis of time allocation among Lake Titicaca fishermen. Annual Meeting of American Ethnological Society. Santa Fe, NM.

- 1988 Fighting over reeds. Annual meeting of the American Anthropological Association. Phoenix, AZ.
- 1987 Consumption and production perspectives: accounting for the response of Lake Titicaca Fishermen to the international debt crisis. Annual Meeting of the Society for Economic Anthropology. Riverside, CA.
- 1985 Sustainability of resource extraction: the fisheries of Lake Titicaca. Annual Meeting of the Society for Economic Anthropology. Warrenton, VA
- 1984 Barter and cash sale: the allocation of fish in Lake Titicaca. Annual Meeting of the Society for Economic Anthropology. Davis, California.
- 1983 Dietary stability and change in highland Andean dietary patterns: causes and consequences. Wenner-Gren Conference on Human Dietary Preferences and Avoidances. Cedar Key, FL.
- Bureaucratic duplication, inefficiency and failure in rural Peru. Annual meeting of the American Anthropological Association. Chicago.
- 1982 The history of the Andes: a brief overview from a world-systems perspective. Annual Meeting of the American Anthropological Association. Washington, D.C.
- Barter and cash sale: the allocation of fish in Lake Titicaca. International Congress of Americanists. Manchester, England.
- 1981 Wool export economics and agrarian reform in the central Andes: pastoral populations in highland Peru and Bolivia. International Union of Anthropological and Ethnological Studies. Amsterdam.
- 1980 The politics of inland fisheries development in two nations: Lake Titicaca, Peru-Bolivia. Annual Meeting of the American Anthropological Association. Washington, D.C.
- Pastoralism in the Southern Sierra. Small Ruminant Collaborative Research Support Program, Symposium on Andean Peasant Economies and Pastoralism. Columbia, MO.
- 1979 Recent ethnographic and ecological research in Lake Titicaca. Annual Meeting of the American Anthropological Association. Cincinnati, OH.
- Para quienes se aprovecha el Lago Titicaca. IV Congreso Peruano del Hombre y la Cultura Andina. Cusco, Peru.

- 1978 Some interactions of production scale, natural environments and socio-economic impacts on food production strategies in Latin America. Annual Meeting of the American Association for the Advancement of Science. Washington, D.C.
- Rebels and theorists: modes of production, world-system, and peasant uprisings in Peru. Annual Meeting of the Southwestern Anthropological Association. San Francisco.
- Ecological and behavioral constraints on pastoral economies: central Andean Herders and their flocks. Annual Meeting of the Pacific Sociological Association. Spokane, WA.
- 1977 The state and class conflict in northern coastal Peru. Annual Meeting of the American Anthropological Association. Houston, TX.
- 1976 Tomar la bandera: politics and punch in southern Peru. XLII International Congress of Americanists. Paris.
- The tragedy of the commons revisited: land use and environmental quality in high-altitude Andean grasslands. International Hill Lands Symposium. Morgantown, WV.
- A stranger in her father's house: Juanita's suicide. Annual Meeting of the American Anthropological Association. Washington, D.C.
- Systems of production and Indian peasant insurrections: a general discussion and three specific cases. XLII International Congress of Americanists. Paris.
- Integration through production: the use of zonation in Espinar. XLII International Congress of Americanists. Paris.
- 1975 Two hypotheses and two rituals: solstice divination in southern Peru. Annual Meeting of the American Anthropological Association. San Francisco.
- Relations of production in industrial capitalism: a mine in central Peru. Annual Meeting of the American Association for the Advancement of Science. New York.
- Benjamin S. Orlove and Glynn Custred. The laymi system: collective land use patterns in the Peruvian highlands. Annual Meeting of the Institute for Andean Studies. Berkeley, CA.
- 1974 The decline of local elites: Canchis in southern Peru. Annual Meeting of the American Association for the Advancement of Science. San Francisco.

Rich man, poor man: inequality in peasant communities. XLI International Congress of Americanists. Mexico City.

Land and power: aspects of peasant-elite relations in Surimana and Quehue. Annual Meeting of the American Anthropological Association. Mexico City.
Molloccahua 1931: A Peasant Uprising in Southern Peru. XLI International Congress of Americanists. Mexico City.

Benjamin S. Orlove and Glynn Custred. Sectorial fallowing and crop rotation systems in the Peruvian highlands. XLI International Congress of Americanists Mexico City.

(With Glynn Custred.) The hacienda and the community reconsidered. Annual Meeting of the American Anthropological Association. Mexico City.

1973 Abigeato: social banditry in the Andes. Annual Meeting of the American Anthropological Association. New Orleans, LA.

A mixed agricultural-transhumance economy and techniques of microenvironmental variation in the Andes. Annual Meeting of the American Anthropological Association. New Orleans, LA.

1971 Two models of the American corporation: the case of an insurance firm. Annual Meeting of the Kroeber Anthropological Society. Berkeley, CA.

BOOK REVIEWS AND NEWSLETTER ITEMS

2010 Julie Brugger, Kate Dunbar, Christine Jurt and Ben Orlove. Global warming and changing water resources: glacier retreat in mountain regions. *Anthropology News*. 51(2): 23-24.

2009 Ben Orlove, Jeffrey Bury and Charles Walker. Climate change and water in the Andes. *Newsletter of the Mountain Research Initiative*. 3: 41-43.

2004 Review of Philander, S. George. *Our Affair with El Niño: How We Transformed an Enchanting Peruvian Current into a Global Climate Hazard*. *American Scientist* 92(4): 388.

1996 Facing threats: studies of the tropical forest. *American Anthropologist* 98(3):638-641.

1995 Review of Poverty and peasantry in Peru's southern Andes, 1963-90. R. F. Watters. *Journal of Economic History*. 55(1):187-8.

- 1993 Review of *The flocks of the wamani: a study of llama herders on the punas of Ayacucho, Peru*. Kent Flannery, Joyce Marcus and Robert Reynolds. *American Ethnologist* 19(2):375-6.
- 1989 Review of *Pilgrims of the Andes: regional cults in Cusco*. Michael J. Sallnow. *American Anthropologist* 91(1):215-216.
- 1987 Review of *Andean ecology and civilization: an interdisciplinary perspective on Andean ecological complementarity*. Shozo Masuda, Izumi Shimada and Craig Morris, eds. *American Ethnologist* 14(3):575-6.
- 1983 Review of *The keeping of animals: adaptation and social relations in livestock producing communities*. Riva Berleant-Schiller and Eugenia Shanklin, eds. *Science* 221:355-6.
- Review of *At the crossroads of the earth and the sky: an Andean cosmology*. Gary Urton. *Man* 18(2):429.
- 1982 Review of *The devil and commodity fetishism in South America*. Michael Taussig. *Human Ecology* 10(3):419-422.
- Review of *Beyond the myths of culture*. Eric Ross. *Human Ecology* 10(1): 145-151.
- 1978 Review of *Resources and population: a study of the Gurungs of Nepal*. Alan MacFarlane. *Contemporary Sociology* 7(2):154-155.
- Review of *Mountain, field and family: the economy and human ecology of an Andean valley*. Stephen B. Brush. *American Ethnologist* 5(4):788-790.
- 1977 Review of *Pottery and society in ancient Peru: art as a mirror of society in the Ica Valley, 1350-1570*. Dorothy Menzel. *Agricultural History* 51(3):611-612.
- 1976 Review of *Struggle in the Andes*, Howard Handelman; *The African slave in colonial Peru*, Frederick Bowser; *Poder y conflicto social en el valle del Mantaro*, Giorgio Alberti. *Agricultural History* 50(3):328-332.
- Review of *Directed cultural change in Peru: A guide to the Vicos Collection*. Deborah A. Wood. *Agricultural History* 50(4):671-672.
- 1974 Review of *La ville de São Paulo: peuplement et population, 1750-1850, d'après les registres paroissiaux et les recensements anciens*. Maria-Luiza Marcillo. *Hispanic American Historical Review* 54(4):707-708.
- 1973 Review of *Des hommes et des villes*. Paul-Henri Chombart de Lauwe. *American Anthropologist* 75(6): 1846- 1847.

OTHER ACADEMIC ACTIVITIES

EDITORIAL SERVICE

GlacierHub, www.glacierhub.org, Editor, 2014-present

Weather, Climate and Society, Editor, 2008-2013.

Current Anthropology, Editor-in-chief, 2000-2008.

American Ethnologist, Associate Editor, 1995-98.

University of California Press, Editorial Committee Member, 1991-1996.

American Ethnological Society, Councillor: Review of American Ethnologist and AES Monograph Series, 1988-1990.

University of Arizona Press, Human Ecology Monograph Series, Editorial Committee Member, 1986-1997.

SCHOLARLY ORGANIZATIONS

Initiative on Climate Adaptation Research and Understanding through the Social Sciences (ICARUS).
Founding Committee Member and Co-Director, 2008-present.

International Mountain Society. Board Member, 1992-1997.

American Anthropological Association. Program Committee, 1988-1989. Committee on the Future of Print and Electronic Publications, 2009-2013. Task Force on Climate Change, 2011-present.

American Ethnological Society. Councillor, 1988-1991.

Society for Economic Anthropology. Board Member, 1984-1987.

Social Science Research Committee. Latin American Doctoral Fellowship Screening Committee, 1986-1987.

Inter-American Foundation. Dissertation Fellowship Selection Committee, 1981-1983; Master's Fellowship Selection Committee, 1983-1987.

APPLICATIONS, CONSULTING AND OTHER PROFESSIONAL SERVICE

- 2020 Ben Orlove, Keynote talk, “Transboundary activities to protect biodiversity in mountain regions” International Mountain Day. Food and Agriculture Organization, United Nations Headquarters
- 2018 Ben Orlove. Participation in Arria Formula Event, ““Protection of the Environment during Armed Conflict.” United Nations Security Council. Prior consultation with Permanent Mission of Peru; review of Permanent Representative’s remarks
- 2018 Ben Orlove. Participation in Arria Formula Event, ““Protection of the Environment during Armed Conflict.” United Nations Security Council. Prior consultation with Permanent Mission of Peru; review of Permanent Representative’s remarks
- 2017 Presentation “The importance of mountains for sustainable development and human well-being.” International Mountain Day, Side event at UN Headquarters, New York, Organized by the Permanent Delegations of Kyrgyzstan, Peru and Austria
- Participation in Arria Formula Event, “Preparing for security implications of rising temperatures.” United Nations Security Council. Prior consultation with Permanent Mission of Peru; contributions to and review of Permanent Representative’s address
- Participation in Workshop on Social Science Perspectives on Climate Change. US Global Change Research Program. Washington,
- 2016 Keynote speaker, International Forum on Glaciers and Mountain Ecosystems, INAIGEM, Huaraz, Peru
- City as Living Lab, glacier landscape walk, New York (with artist Marshall Reese)
<http://www.cityaslivinglab.org/broadway-1000-steps-ice-cubed-conference-columbia-university/>
- 2015 International Centre for Integrated Mountain Development (ICIMOD), Official Delegate, UNFCCC COP21, Paris
- UNESCO. Member of Scientific Committee for Conference “Resilience in a Time of Uncertainty: Indigenous peoples and climate change,” held in conjunction with UNFCCC COP21, Paris
- Member, Working Group for the Mountain Societies Research Institute, University of Central Asia, Kyrgyzstan. Supported by the Aga Khan Development Network,. Provide oversight to the MSRI in supporting sustainable development in mountain provinces in Kyrgyzstan, Tajikistan and Kazakhstan.
- Keynote speaker, International Glacier Symposium, Ugyen Wangchuck Institute for Conservation and Environment, Bumthang, Bhutan.
- 2014 Participant, Conference “Building Indigenous Knowledge into Climate Change Assessments: A Roundtable Discussion,” organized by UNDP and UNESCO. New

York.

Ben Orlove, curriculum vitae, p. 30

- 2011 United States Geological Survey. Met with USGS staff to discuss communication of hazard risks.
- National Hurricane Center. Met with staff of NHC, NOAA and NSF to discuss communication of information about hurricane risks.
- World Bank Social Development Strategy. Met with World Bank staff and members of the United Nations Permanent Forum on Indigenous Issues to discuss vulnerability of indigenous peoples to climate change.
- 2010 Climate Change, Agriculture and Food Security Program of the Consultative Group on International Agricultural Research (CGIAR) and the Earth System Science Partnership (ESSP). Spoke with CGIAR staff to discuss climate information communication in Africa.
- 2008 Participation in workshop on "Social Dimensions of Climate Change in Latin America and the Caribbean" organized by the Social Development Department of the World Bank. Contribution to workshop report.
- Participation in National Science Foundation-sponsored Expert Roundtable on Research Priorities in Sustainable Development.
- 2007-2008 California Energy Commission. Adaptation to Climate Change in Yolo County. Evaluated changes in land use and decision-making under different climate change scenarios.
- 2007 Participated in National Academy of Sciences expert workshop, organized by a National Academies committee established to assess progress of the U.S. Climate Change Science Program (CCSP).
- Consulted with Practical Action and OXFAM-UK (NGOs) on climate change issues in Peru.
- 1997-present International Research Institute for Climate and Society, Columbia University. Consulted on programs for applications of climate forecasts to agriculture, fisheries and hydrology. Particular emphases on Peru, Brazil, Zimbabwe, Uganda and Indonesia.
- 1992 Utrecht University, The Netherlands. Evaluated and helped develop teaching and research programs in sustainable development at the Center for Resource Studies.
- 1991 Ford Foundation and Yunnan Academy of Social Sciences. Developed a research workshop on minority peoples, sustainable agriculture and mountain environments. Yunnan, China. 1991.
- 1981-1985 Inter-American Foundation:
1982. Evaluation of Instituto de Estudios Peruanos (Institute of Peruvian Studies), Lima, Peru.

1982. Evaluation of technical and economic development projects, La Paz, Cochabamba, Chuquisaca, Potosí, Bolivia.

1983. Evaluation of an agricultural development project in the context of severe drought. Potosí, Bolivia.

1984. Evaluation of Centro de Estudios de la Realidad Económica y Social (Center for Economic and Social Studies), La Paz and Cochabamba, Bolivia.

1980-1982 Small Ruminant Collaborative Research Support Program (US Agency for International Development and a consortium of land grant colleges):

1980. Ecological and anthropological aspects of small-scale livestock production. Columbia, Missouri.

1982. On-site evaluation of ecological field research. Piura, Peru.

1979-1982 Instituto del Mar del Perú (Peruvian Marine Institute) and Food and Agriculture Organization (United Nations): development of an artisanal fisheries assessment program in Lake Titicaca, Peru. 1979-1982.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Anthropological Association
American Association for the Advancement of Science
American Ethnological Society
American Geophysical Union
Society for Anthropology and Environment
Society for Cultural Anthropology
Society for Culture and Agriculture
Society for Economic Anthropology
Society for Latin American and Caribbean Anthropology