

Ben Orlove

School of International and Public Affairs
Columbia University
New York, NY 10027

OFFICE ADDRESS: School of International and Public Affairs
Columbia University, MC 3323
420 West 118th Street, room 833
New York, NY 10027
212/854-1543 (voice)
212/854-5765 (fax)
bs05@columbia.edu

website: GlacierHub www.glacierhub.org

HOME ADDRESS: 645 West End Avenue, Apt 6F
New York, NY 10025
212/877-0504

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
International Research Institute for Climate and Society,
Senior Research Scientist
MA Program in Climate and Society, Director
Center for Research on Environmental Decisions, Director
Earth Institute, Faculty Member
Committee on Global Thought, Member

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: extensive: Spanish, Portuguese, French, Quechua.
reading and limited speaking knowledge: German, Italian.

SELECTED GRANTS, AWARDS AND HONORS

- 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 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

- 2016 Ben Orlove. Two days in the life of a river: Glacier floods in Bhutan. *Anthropologica* 58(2): 227–242
- 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, Richard Seager, Jeffrey Shaman and Michael Tippett. Extreme Weather and Climate: Workshop Report. *Journal of Extreme Events* 3(1):1-9.
- 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* 40(1-2):6-20.
- 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.) *Perspectives 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).
- Tomar la bandera: politics and punch in southern Peru*. *Ethnos* 47(3-4):249-261.
1982. *Tomar la bandera: Punch et politique au sud du Pérou*. In L.T. Briggs, et al. *De l'empreinte a l'emprise: identités andines et logiques paysannes*. *Cahiers de l'Institut Universitaire d'Etudes de Développement*. Geneva IUED. 135-155.
- 1982 1986. *Tomar la bandera: política y ponche*. Instituto Universitario de Estudios de Desarrollo, ed. *Identidades andinas y lógicas del campesinado*. Lima: Mosca Azul. 129-145.
- reprinted The Andean herding complex: new studies on the traditional herders of the high Andean puna. *Nomadic Peoples* 8:27-34.
- Native Andean pastoralists: traditional adaptations and recent changes*. *Studies in Third World Societies* 17:95-135.
- 1981 *El suicidio de Juanita*. *América Indígena* 41(1):25-52. 1983. in *Origins of Human Ecology*, pp. 261 -299, Gerald L. Young, ed. *Benchmark Papers in Ecology*, Frank B. Golley, series ed. Stroudsburg, Pennsylvania: Dowdley, Hutchinson and Ross, Inc.

- Ecological anthropology. *Annual Review of Anthropology* 9:235-73.
- Two rituals and three hypotheses: an examination of solstice divination in southern highland Peru. *Anthropological Quarterly* 52(2):86-98.
reprinted
- 1980 The breaking of patron-client ties: the case of Surimana in southern Peru. *Nova Americana* 2:83-107.
- 1979 Rich man, poor man: inequality in peasant communities. *Estudios Andinos* 15:8-20.
- Systems of production and Indian peasant insurrections: a general discussion and three specific cases. *Actes du XLII Congrès International des Américanistes* 3: 127-144. Paris.
- Integration through production: the use of zonation in Espinar. *American Ethnologist* 4(1):84-101.
- 1978 Surimana: decaimiento de una zona, decadencia de un pueblo. *Antropología Andina* 12:75-110. Cusco, Peru.
- 1977 Urban and rural artisans in southern Peru. *International Journal of Comparative Sociology* 15(3 -4):193-211. Reprinted 1975. In Pierre L. van den Berghe, ed. *Class and Ethnicity in Peru*. *International Studies in Sociology and Social Anthropology*, 16:73-91. Leiden: E.J. Brill.
- 1974 Abigeato: la organización social de una actividad ilegal. *Allpanchis Phuturinga* 5:65-81. Cusco, Peru.
- 1973

BOOK CHAPTERS AND OTHER PUBLICATIONS

- 2015 Christine Jurt, Julie Brugger, Kate Dunbar, Kerry Milch, Ben Orlove. Cultural Values of Glaciers. In Christian Huggel, Mark Carey, John Clague, and Andreas Käab (eds.) *The High Mountain Cryosphere: Environmental Changes and Human Risks*. Cambridge: Cambridge University Press. pp. 90-106
- Ben Orlove, Carla Roncoli, and Brian Dowd-Urbe. Fluid Entitlements: Constructing and Contesting Water Allocations in Burkina Faso, West Africa. In Kirsten Hastrup and Frida Hastrup (eds.), *Waterworlds: Anthropology in Fluid Environments*. New York and Oxford: Berghahn Books. pp. 46-74
- Ben Orlove, Heather Lazrus, Grete K. Hovelsrud and Alessandra Giannini, : How

Long-Standing Debates have Shaped Recent Climate Change Discourses In Jessica Barnes and Michael R. Dove (eds.) *Climate Cultures: Anthropological Perspectives on Climate Change*. New Haven: Yale University Press, pp.48-81

- 2011 Kate W. Dunbar, Julie Brugger, Christine Jurt and Ben Orlove. Comparing knowledge of and experience with climate change across three glaciated mountain regions. In A. Peter Castro, Dan Taylor, and David W. Brokensha (eds.), *Climate Change and Threatened Communities: Vulnerability, Capacity & Action*, Practical Action Publishers, Rugby, UK. Pp. 93-106
- 2009 The past, the present, and some possible futures of adaptation. In W. Neil Adger, Irene Lorenzoni, and Karen O'Brien, eds. *Adaptation to Climate Change: Thresholds, Values, Governance*. Cambridge: Cambridge University Press. p. 131-163.
- 2008 Carla Roncoli, Todd Crane and Ben Orlove. Global fields: anthropological engagements with climate change. In Susan A. Crate and Mark Nuttall, eds. *Anthropology and Climate Change: From Encounters to Actions*. Walnut Creek, CA: Left Coast Press. pp. 87-115.
- David H. Krantz, Nicole Peterson, Poonam Arora, Kerry Milch and Benjamin S. Orlove. Individual values and social goals in environmental decision making. In Tamar Kugler, J. Cole Smith, Terry Connolly and Young-Jun Son, eds. *Decision Modeling and Behavior in Uncertain and Complex Environments*. Heidelberg: Springer. Pp. 165-198.
- Ben Orlove, Ellen Wiegandt and Brian H. Luckman. The place of glaciers in natural and cultural landscapes. In Ben Orlove, Ellen Wiegandt and Brian Luckman, eds. *Darkening Peaks: Glacial Retreat, Science and Society*. Berkeley: University of California Press. Pp. 3-19.
- Barbara Wolf and Ben Orlove. Environment, history and culture as influences on perceptions of glacial dynamics: the case of Mt. Shasta. In Ben Orlove, Ellen Wiegandt and Brian H. Luckman, eds. *Darkening Peaks: Glacial Retreat, Science and Society*. Berkeley: University of California Press. Pp. 49-67.
- 2003 Up in the air: The anthropology of weather and climate. In Sarah Strauss and Benjamin S. Orlove, eds. *Weather, Culture, Climate*. Oxford: Berg. Pp. 3-14.
- How people name seasons. In Sarah Strauss and Benjamin S. Orlove, eds. *Weather, Culture, Climate*. London: Berg. Pp. 121-140.

- 2000 Sarah M. Otterstrom and Benjamin S. Orlove. Coping with El Niño-related droughts in peasant agriculture, northern Costa Rica, 1997-1998. Proceeding of the Sixteenth Annual Pacific Climate Workshop. Edited by G. James West and Lauren Buffaloe. Technical Report 65 of the Interagency Ecological Program for the Sacramento-San Joaquin Delta. State of California: Department of Water Resources. Climate Variability of the Eastern North Pacific and Western North America. Pp. 153-159.
- 1999 Biological and cultural diversity of Lake Titicaca: issues of indigenous technology, law and identity. In Hiroya Kawanabe, George W. Coulter and Anna C. Roosevelt, eds. *Ancient Lakes: Their Cultural Biological Diversities*. Ghent, Belgium: Kenobi Productions. Pp. 101-111.
- Benjamin S. Orlove and Shelly Diaz. The agrarian household in social and cultural context: an examination of Andean peasant work diaries. In Nicola Tannenbaum and David Small, eds. *At the Interface: The Household and Beyond*. Lanham, MD, New York and London: University Press of America. Pp. 55-72.
- 1998 Working in the field: perspectives on globalization in Latin America. In William Loker, ed. *Globalization and the Rural Poor in Latin America*. Boulder, CO: Lynne Rienner. pp. 195-203.
- 1997 Surfacing: thoughts on, memory and the ethnographer's self. In Jonathan Boyarin and Daniel Boyarin, eds. *Jews and Other differences: The New Jewish Cultural Studies*. Minneapolis: University of Minnesota Press. pp. 1-29.
- Benjamin S. Orlove and Arnold J. Bauer. Giving importance to imports: an overview. In Benjamin S. Orlove, ed. *The Allure of the Foreign: Imported Goods in Post-colonial Latin America*. Ann Arbor: University of Michigan Press. pp. 1-29.
- Benjamin S. Orlove and Arnold J. Bauer. Chile in the Belle Epoque: Primitive Producers, Civilized Consumers. In Benjamin S. Orlove, ed. *The Allure of the Foreign: Imported Goods in Post-colonial Latin America*. Ann Arbor: University of Michigan Press. pp. 113-149.
- 1995 Beyond consumption: Meat, sociality, vitality and hierarchy in nineteenth century Chile. In Jonathan Friedman, ed. *Consumption and identity*. Reading, UK: Harwood Academic Publishers. pp. 119-145.
- 1994 The dead policemen speak: mestizo accounts of the killings at Mollocahua, 1931. In Deborah A. Poole, ed. *Unruly Order: Violence, Power and Identity in the Southern High Provinces of Peru*. Boulder, CO: Westview Press. pp. 63-95.

- Sticks and stones: ritual battles and play in the southern Peruvian Andes. In Deborah A. Poole, ed. *Unruly Order: Violence, Power and Identity in the Southern High Provinces of Peru*. Boulder, CO: Westview Press. pp. 133-164.
- 1992 Benjamin S. Orlove, Dominique P. Levieil and Hugo P. Treviño. Social and economic aspects of the Lake Titicaca fisheries. In Claude Dejoux and Andre Iltis, *Lake Titicaca: Synthesis of Limnological Knowledge*. Kluwer. The Hague. pp. 500-504.
- Spanish translation 1991. Benjamin S. Orlove, Dominique P. Levieil and Hugo Treviño. Aspectos sociales y económicos de la pesca. In Claude Dejoux and Andre Iltis, eds. *El Lago Titicaca: síntesis del conocimiento limnológico actual*. La Paz: ORSTOM. pp. 505-508.
- Dominique P. Levieil and Benjamin S. Orlove. Socio-economic importance of Lake Titicaca macrophytes. In Claude Dejoux and Andre Iltis, *Lake Titicaca: Synthesis of Limnological Knowledge*. Kluwer, The Hague. pp. 505-510.
- Spanish translation 1991. Importancia socio-económica de las macrofitas. In Claude Dejoux and Andre Iltis, eds. *El Lago Titicaca: síntesis del conocimiento limnológico actual*. La Paz: ORSTOM. pp. 509-516.
- 1991 La violencia vista desde arriba y desde abajo: narrativas oficiales y campesinas de encuentros conflictivos en la sierra sur del Peru. In Henrique Urbano, ed. *Poder y violencia en los andes*. Cusco: Centro de Estudios Regionales Andinos. pp. 237-259.
- 1990 El abigeato en el contexto de la sociedad regional: bandolerismo social en el Cusco en las vísperas de la reforma agraria. In Carlos Aguirre and Charles Walker, eds. *Bandoleros, abigeos y montoneros: criminalidad y violencia en el Perú, siglos XVIII- XX*. Lima: Instituto de Apoyo Agrario. pp. 277-305.
- 1989 Room for maneuver: a review of the regions. In 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. pp. 301 –309.
- Benjamin S. Orlove and Michael Foley. Anthropology, capitalism and the state. In 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. pp. 1-5.

Benjamin S. Orlove and Dominique P. Leveil. Some doubts about trout: fisheries development projects in Lake Titicaca. In 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. pp. 211- 246.

Benjamin S. Orlove and Henry J. Rutz. Thinking about consumption: a social economy approach. In Henry J. Rutz and Benjamin S. Orlove, eds. *The Social Economy of Consumption*. Lanham, MD, New York and London: University Press of America. pp. 1-57.

1988 A stranger in her father's house: Juanita's suicide. In Connie Weil, ed. *Lucha: Latin American Women Coping with Adversity*. Minneapolis: Latin American Studies Program, University of Minnesota, and the Prisma Institute. pp. 161-201.

1987 Dietary stability and change in highland Andean dietary patterns: causes and consequences. In Marvin Harris and Eric Ross, eds. *Food and Evolution: Toward a Theory of Human Diets*. Philadelphia: Temple University Press. pp. 481-515.

1982 Las técnicas tradicionales de la utilización de la sal en la sierra sur peruana. In 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. pp. 31-34.

1980 Mollocachua 1931: un levantamiento campesino en el sur del Perú. In Jorge Flores and Abraham Valencia, eds., *Rebeliones indígenas quechuas y aymaras: Homenaje al bicentenario de la rebelión campesina de Thupa Amaro 1780-1980*. Cusco: Centro de Estudios Andinos Cusco. pp. 133-154.

Landlords and officials: the sources of domination in Surimana and Quehue. In Benjamin Orlove and Glynn Custred, eds., *Land and Power in Latin America: Agrarian Economies and Social Process in the Andes*. New York: Holmes and Meier. pp. 113-127.

Abigeato: the position of rustlers in regional society. In Benjamin Orlove and Glynn Custred, eds., *Land and Power in Latin America: Agrarian Economies and Social Process in the Andes*. New York: Holmes and Meier. pp. 179-194.

(With Glynn Custred.) The alternative model of agrarian society in the Andes: households, networks and corporate groups. In Benjamin Orlove and Glynn Custred, eds., *Land and Power in Latin America: Agrarian Economies and Social Process in the Andes*. New York: Holmes and Meier. pp. 31-54.

- (With Glynn Custred.) Social process and agrarian economies in comparative perspective: the agricultural production unit. In Benjamin Orlove and Glynn Custred, eds., *Land and Power in Latin America: Agrarian Economies and Social Process in the Andes*. New York: Holmes and Meier. pp. 13-29.
- 1978 The tragedy of the commons revisited: land use and environmental quality in high altitude Andean grasslands. In *Proceedings of the International Hill Lands Symposium*. Morgantown: West Virginia University Books. pp. 208-214.
- Systems of production and Indian peasant insurrections: a general discussion and three specific cases. *Actes du XLII Congrès International des Américanistes* 3: 127-144. Paris.
- 1977 The decline of local elites: Canchis in southern Peru. In Richard Adams and Raymond Fogelson, eds., *The Ethnography of Power*. New York: Academic Press. pp. 337-348.
- Cultural ecology: A critical essay and a bibliography. Institute of Ecology Publication No. 13. University of California, Davis.
- 1976 Inequality among peasants: the forms and uses of reciprocal exchange in Andean Peru. In Rhoda Halperin and James Dow, eds., *Studies in Peasant Livelihood*. New York: St Martin's Press. pp. 201-214.
- Against a definition of peasantries: agrarian production in Andean Peru. In Rhoda Halperin and James Dow, eds., *Studies in Peasant Livelihood*. New York: St. Martin's Press. pp. 22-35.
- 1974 Reciprocidad, desigualdad y dominación. In Giorgio Alberti and Enrique Mayer, eds., *Reciprocidad e intercambio en los Andes peruanos*. Perú-Problema, vol. 12:290-321. Lima: Instituto de Estudios Peruanos.
- Spanish translation 1991. Importancia socio-económica de las macrofitas. In Claude Dejoux and Andre Iltis, eds. *El Lago Titicaca: síntesis del conocimiento limnológico actual*. La Paz: ORSTOM. pp. 509-516.

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-present. 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

- 2017 United States Global Change Research Program, Social Sciences Coordinating Committee, Member
- 2016 Intergovernmental Panel on Climate Change. Scoping Meeting for Special Report on Climate Change in the Oceans and Cryosphere. 2016-17.
- 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.
- 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 Participated 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.
- Participated in National Science Foundation-sponsored Expert Roundtable on Research Priorities in Sustainable Development.
- 2007-2008 California Energy Commission. Adaptations 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