

Nathan Freeman Sayre

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Academic Posts

Associate Professor, Department of Geography, University of California-Berkeley,
7/2010-present
Affiliated Social Scientist, USDA-Agricultural Research Service-Jornada Experimental
Range and NSF-Jornada Basin Long-Term Ecological Research site, Las Cruces,
New Mexico, 2008-present
Assistant Professor, Department of Geography, University of California-Berkeley,
7/2004-6/2010
Post-doctoral Research Associate, USDA-Agricultural Research Service-Jornada
Experimental Range, Las Cruces, New Mexico, 12/2000-12/2003.
Visiting Scholar, Arizona State Museum, 1999-2000.
Visiting Professor, Deep Springs College, May-June 1999.

Education

Ph.D., Anthropology, University of Chicago, December 1999.
M.A., Anthropology, University of Chicago, December 1995.
B.A., Yale University, Major in Philosophy, May 1992.
Deep Springs College, 1987-89.

Peer-reviewed Publications

In press. Carrying Capacity. In Robin Kundis Craig, John Copeland Nagle, Bruce Pardy, Oswald Schmitz, & William Smith (Eds.), *The Encyclopedia of Sustainability*, Vol. 5: *Ecosystem Management and Sustainability*, pp. TBA. Great Barrington, MA: Berkshire Publishing. July 2012.

In press. The Role of rangelands in diversified farming systems: innovations, obstacles, and opportunities in the USA. First author, with Liz Carlisle, Gareth Fisher, Lynn Huntsinger, and Annie Shattuck. *Ecology and Society*.

2012. Birds, beasts and bovines: Three cases of pastoralism and wildlife in the USA. Second author, with Lynn Huntsinger and J.D. Wolfhorst. *Pastoralism: Research, Policy and Practice* 2:12. DOI: 10.1186/2041-7136-2-12. URL: <http://www.pastoralismjournal.com/content/2/1/12>.

2012. 'The Range problem' after a century of rangeland science: New research themes for altered landscapes. First author, with William deBuys, Brandon Bestelmeyer, and Kris Havstad. *Rangeland Ecology and Management* 65: 545-552.

2012. What can ecological science tell us about opportunities for carbon sequestration on rangelands? Fourth author, with Kayje Booker, Lynn Huntsinger, James Bartolome, and Bill Stewart. *Global Environmental Change*. DOI: 10.1016/j.gloenvcha.2012.10.001
2012. The Politics of the Anthropogenic. *Annual Review of Anthropology* 41: 57-70. DOI: 10.1146/annurev-anthro-092611-145846.
2012. Monitoring as a social process: a case study of National Forest grazing allotments, 1927-2007. First author, with Eric Biber and Greta Marchesi. *Society and Natural Resources*. DOI: 10.1080/08941920.2012.694579.
2012. Conservation outcomes and social relations: a comparative study of private ranchland conservation easements. Second author, with Adena Rissman. *Society and Natural Resources* 25: 523-538. DOI: 10.1080/08941920.2011.580419
2011. Origin, persistence, and resolution of the rotational grazing debate: Integrating human dimensions into rangeland research. Second author, with David Briske (lead author), Lynn Huntsinger, Maria Fernandez-Gimenez, Bob Budd, and Justin Derner. *Rangeland Ecology and Management* 64: 325-334.
2011. A History of Land Use and Natural Resources in the Middle San Pedro Valley, Arizona. *Journal of the Southwest* 53: 87-137.
2011. Commentary: scale, rent, and symbolic capital: political economy and emerging rural landscapes. *GeoJournal* 76: 437-439.
2010. Entry for "Carrying Capacity." In Barney Warf, ed. *Encyclopedia of Geography*. Sage Publications.
2010. Climate Change, Scale, and Devaluation: The Challenge of our Built Environment. *Journal of Energy, Climate, and Environment* 1: 83-94.
2010. Climax and "Original Capacity": The Science and Aesthetics of Ecological Restoration in the Southwestern USA. *Ecological Restoration* 28: 23-31.
2010. Potential effects of United States-Mexico border hardening on ecological and human communities in the Malpai Borderlands. Lead author (with Richard L. Knight). *Conservation Biology* 24: 345-348.
2009. Land, labor, livestock and (Neo)Liberalism: Understanding the Geographies of Pastoralism and Ranching. *Geoforum* 40: 705-706.
2009. Scale. Lead author (with Alan Di Vittorio). Chapter in Robert Kitchin and Nigel Thrift, eds. *The International Encyclopedia of Human Geography*. Elsevier.
2009. Bad Abstractions: Response to Sullivan. *Conservation Biology* 23(4): 1050-1052.
2009. Scale. Pp. 95-108 in Noel Castree, David Demeritt, Bruce Rhoads, and Diana Liverman, eds. *A Companion to Environmental Geography*. Blackwell Publishing.

2008. Assessing the Effects of the *Grundrisse* in Anglophone Geography and Anthropology. *Antipode* 40(5): 898-920.
2008. The Genesis, History, and Limits of Carrying Capacity. *Annals of the Association of American Geographers* 98(1): 120-134.
2007. Entries for “Carrying Capacity,” “US Fish and Wildlife Service,” “Endangered Species Act (1973),” “Natural Resource Conservation Service,” “Frederic Clements,” “Grazing,” and “Ranchers.” In Paul Robbins, ed. *Encyclopedia of Environment and Society*. Sage Publications.
2007. The Ranching and Mining Period. *Desert Plants* 23(2): 12-17 (special issue on the Buenos Aires National Wildlife Refuge, edited by J. Bezy, C.F. Hutchinson, and C.J. Bahre
2007. A History of Working Landscapes: The Altar Valley, Arizona, USA. *Rangelands* (June): 41-45.
2007. Introduction: The Working Landscapes Special Issue. With Lynn Huntsinger. *Rangelands* (June): 3-4.
2007. The Western Range: A Leaking Lifeboat for Conservation in the New West. In Laura Pritchett, Richard L. Knight, and Jeff Lee, eds. *Home Land: Ranching and a West That Works*. Denver: Johnson Books.
2006. Scott Prudham’s *Knock on Wood: Nature as Commodity in Douglas-Fir Country*. *Antipode* 38(5): 1073-1076.
2005. *Working Wilderness: the Malpai Borderlands Group and the Future of the Western Range*. Tucson: Rio Nuevo Press.
2005. Rangeland degradation and restoration in the “desert seas”: social and economic drivers of ecological change between the sky islands. Pp. 349-352 in Gerald J. Gotfried, Brooke S. Gebow, Lane G. Eskew and Carleton B. Edminster, compilers. *Connecting mountain islands and desert seas: biodiversity and management of the Madrean Archipelago II*. 2004 May 11-15; Tucson, AZ. Proceedings RMRS-P-36. Fort Collins, CO: US Department of Agriculture, Forest Service, Rocky Mountain Research Station. 631 p.
2005. Interacting effects of landownership, land use, and endangered species on conservation of Southwestern U.S. rangelands. *Conservation Biology* 19(3): 783-792
2005. Ecological and geographical scale: parallels and potential for integration. *Progress in Human Geography* 29(3): 276-290.
2004. Viewpoint: The need for qualitative research to understand ranch management. *Journal of Range Management* 57: 668-674.
2003. Recognizing History in Range Ecology: 100 Years of Science and Management on the Santa Rita Experimental Range. Pp. 1-15 in Mitchel P. McClaran, Peter F. Ffolliott and Carleton B. Edminster, tech. coords. *Santa Rita Experimental Range: 100 Years (1903-2003) of Accomplishments and Contributions*; conference proceedings; 2003 October 30-November 1; Tucson, AZ. Proc. RMRS-P-30. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

2003. The Genesis of Range Science, with Implications for Pastoral Development Policy (lead author, with Maria Fernandez-Gimenez). Pp. 1976-1985 in N. Allsopp, A.R. Palmer, S.J. Milton, K.P. Kirkman, G.I.H. Kerley, C.R. Hurt, and C.J. Brown, eds. *Proceedings of the VIIIth International Rangeland Congress*. 26 July-1 August 2003, Durban, South Africa.

2002. *Ranching, Endangered Species, and Urbanization in the Southwest: Species of Capital*. Tucson: University of Arizona Press.

2002. Transformations of the Chihuahua Borderlands: Grazing, Fragmentation, and Biodiversity Conservation in Desert Grasslands. With Charles Curtin (lead author) and Benjamin Lane. *Environmental Science and Policy* 5: 55-68.

2001. *The New Ranch Handbook: A Guide to Restoring Western Rangelands*. Santa Fe: The Quivira Coalition.

1999. The Cattle Boom in Southern Arizona: Towards a Critical Political Ecology. *Journal of the Southwest* 41(2): 239-271.

Technical Reports and Other Publications

The New Western Range. *The Quivira Coalition Journal* No. 30 (March 2007), pp. 12-17.

Sustainable Ranching in the Western US. Invited white paper for "Saving the Wide Open Spaces," a conference convened in Tucson, Arizona, May 13-15, 2005.

A History of Land Use and Natural Resources in the Cascabel-Redington Area of the San Pedro Valley. Lower San Pedro Watershed Assessment Project, Task 3. Contract report to the Redington Natural Resources Conservation District under Grant #00-109 of the Arizona Water Protection Fund. September 2004.

Against Long Odds: A long-term plan for the Malpai Borderlands Group. Malpai Borderlands Group long-term planning project, task 2. Contract report, February 2004.

Rangeland Health and Planned Grazing Field Guide (co-author, with Kirk Gadzia). Santa Fe: Earth Works Institute and Quivira Coalition, 2003.

Ecosystem Management under Conditions of Scientific Uncertainty. Malpai Borderlands Group long-term planning project, task 1: Synthesis and assessment of the state-of-the-knowledge. Contract report, April 2003.

The Urbanization of Ranching. In *Forging a West that Works: An Invitation to the Radical Center*. Santa Fe: Quivira Coalition, 2003.

Rethinking Protected Areas: The Case of the Buenos Aires National Wildlife Refuge. In *The New Ranch at Work: Proceedings of a Conference*. Santa Fe: Quivira Coalition, 2003

Framework for a Habitat Conservation Plan in the Altar Valley Watershed. Report prepared for the Altar Valley Conservation Alliance, under contract with the Sonoran Institute, Tucson, Arizona. June 2002.

Background information for conserving open space and restoring the floodplain in the Altar Valley. Report prepared for the Altar Valley Conservation Alliance, under contract with the Sonoran Institute, Tucson, Arizona. June 2002.

Preserving Ranchlands in Pima County. Report of the Ranch Conservation Technical Advisory Team to the Sonoran Desert Conservation Plan. (Lead author, with contributions by Dan Robinett, George Ruyle, Mette Brogden, Harold Barnett and Walter Lane.) Tucson: Pima County Board of Supervisors, October 2000.

Land use history of the Altar Valley. Task 3 of the Altar Valley Watershed Resource Assessment. Tucson: Altar Valley Conservation Alliance, April 2000. Funded by the Arizona Water Protection Fund, Grant No. 97-041 WPF.

Conference Presentations and Talks

“The Malpai Contingency: How Private Land Conservation Easements Can Improve Public Land Management.” North American Congress for Conservation Biology, Oakland CA, 16 July 2012.

Invited participant, Earth Stewardship Workshop. Ecological Society of America. Washington DC, 18-19 June 2012.

“Historical Roots of the Rangeland Conflict: Overcoming Structural and Intellectual Anachronisms.” 65th Annual Meeting of the Society for Range Management, Spokane WA, 31 January 2012.

“Earth Stewardship and the Built Environment: Climate Change, Scale, and Devaluation.” 96th Annual Meeting of the Ecological Society of America, Austin TX, 9 August 2011.

“Grassland, Shrubland, and Savanna Stewardship: Where Do We Go from Here?” Second author, with Brandon Bestelmeyer. 96th Annual Meeting of the Ecological Society of America, Austin TX, 9 August 2011.

Organizer, Special Session on “Scale, Heterogeneity, and Resilience: Grounding Abstract Concepts in Rangelands.” 96th Annual Meeting of the Ecological Society of America, 8 August 2011.

Invited speaker, TomKat Ranch Field Day: The Climate Benefits of Sustainable Ranching. Sponsored by the California Climate and Agriculture Network. Pescadero, CA, 29 July 2011.

Organizer and discussant. Using Local Knowledge to Understand Land Use/Land Cover Change at Long Term Ecological Research (LTER) Sites. Annual Meeting of the Association of American Geographers, Seattle WA, 15 April 2011.

Invited member of panel discussion. Author Meets Critics: Robert Wilson’s *Seeking Refuge: Birds and Landscapes of the Pacific Flyway*. Annual Meeting of the Association of American Geographers, Seattle WA, 14 April 2011.

Invited member of panel discussion. Human Environment Interactions in the Borderlands. Annual Meeting of the Association of American Geographers, Seattle WA, 13 April 2011.

Invited seminar speaker, College of Natural Resources, Utah State University, Logan UT, 17 November 2010. Talk title: "The Western Range: A leaking lifeboat for conservation in the New West."

"From Contracts to Custom: Reconstituting a Commons through Collaborative Landscape-scale Management." North America Regional Meeting of the International Association for the Study of the Commons, Tempe AZ, 30 September 2010.

Invited discussant, Berkeley Institute of the Environment Diversified Farming Systems Working Group. Keynote by Sara Scherr, "Feeding 9 Billion with the Challenges of Climate Change: Towards Diversified Ecoagriculture Landscapes." 5 May 2010.

"Cross-site comparison in Long Term Social-Ecological Research: Identifying scales and processes through maps and local knowledge." Annual Meeting of the Association of American Geographers, Washington DC, 14 April 2010.

"From Contracts to Custom: Reconstituting a Commons through Collaborative Landscape-scale Management?" Symposium on Pastoralists and Property Rights, Society for Range Management Annual Meeting, Denver CO, 8 February 2010.

Invited speaker, Congress on Western Rangelands, Boise ID, 13 January 2010. Talk title: "The Western Range: A leaking lifeboat for conservation in the New West."

"Inducing Conservation, or Swimming Downstream: Assessing the effects and effectiveness of conservation easements in the Malpai Borderlands." Malpai Borderlands Group Annual Science Meeting, Douglas, AZ, 5 January 2010.

Invited speaker, 18th Jornada Symposium, USDA-ARS Jornada Experimental Range, Las Cruces, New Mexico, 16 July 2009. Talk title: "Integrating Local Knowledge into the Study of Southwestern Social-Ecological Systems."

"Natural Capital? Resilience, dialectics, and emergent properties." Paper presented at Annual Meeting of the Association of American Geographers, Las Vegas, Nevada, 22 March 2009.

Invited discussant for panel: "Geographies of the gift: obligation, gratitude, and exchange." Annual Meeting of the Association of American Geographers, Las Vegas, Nevada, 23 March 2009.

"Respecting the roles of science and management in the rangeland profession." Invited speaker for panel on Development of Comprehensive Grazing Policy Guidelines: A Case for Adaptive Collaboration within the Rangeland Profession. Annual Meeting of the Society for Range Management, Albuquerque NM, 8-12 February 2009

Invited speaker, Journal of Energy, Climate, and the Environment Symposium 2009: Climate Policy for the Obama Administration. Washington and Lee University School of Law, 20 February 2009. Talk title: "Climate Change, Scale, and Devaluation: The Challenge of Our Built Environment."

Invited Closing Speaker, 4th Summit of the California Rangelands Conservation Coalition, Chico CA, 8 January 2009.

Invited participant, Working Group Meeting on Design Challenges and Solutions for Establishing a Network of Socio-Ecological Research Sites, NSF-LTER Network, San Juan, Puerto Rico, 16-18 December 2008.

Invited speaker, Environmental Fluid Mechanics and Hydrology Program Colloquium, Department of Civil and Environmental Engineering, Stanford University, Palo Alto, CA, 2 June 2008.

Keynote speaker. 2008 Annual Conference of the California Native Grasslands Association. Santa Rosa, CA, 2 May 2008.

Invited speaker, Environmental Politics Colloquium Series, Politics Department, Whitman College, Walla Walla, WA, 25 October 2007.

Invited speaker, Colloquium Series, Department of Environmental Studies, UC Santa Cruz, Santa Cruz, CA, 8 October 2007.

Organizer, panel on “Pastoralism, Ranching and Capitalism, or, What’s New About Neoliberalism?” Annual Meeting of the Association of American Geographers, San Francisco, CA, 17-21 April 2007.

“The Western Range Goes Global: Post-World War II International Pastoral Development Projects in the ‘Third World.’” Paper presented to the Annual Meeting of the Association of American Geographers, San Francisco, CA, 17-21 April 2007.

Panelist, “Geographies of Marx’s Grundrisse.” Annual Meeting of the Association of American Geographers, San Francisco, CA, 17-21 April 2007.

Discussant, panel on “Emerging Conservation Landscapes I: Agricultural Lands in the American West.” Annual Meeting of the Association of American Geographers, San Francisco, CA, 17-21 April 2007.

“Problems of history and scale in endangered species conservation: case studies from southern Arizona.” Paper delivered to the Annual Meeting of the American Society for Environmental History, Baton Rouge, LA, 28 February-3 March 2007.

Invited discussant, panel on “Producing Space for Conservation in Tanzania,” 49th Annual Meeting of the African Studies Association, San Francisco, CA, 16-19 November 2006.

“Natural Capital? Critical Geography and the Quest for Social-Ecological Resilience.” Invited paper for Social Dimensions of Global Environmental Change Speaker Series, Dickey Center for International Understanding, Dartmouth College, 6 November 2006.

Participant, Working Group on Science and Natural Resource Regulation, organized by Holly Doremus, University of California-Davis School of Law. Davis, CA, 27-28 October 2006.

“‘Original Capacity’: A Social History of Restoration Efforts in the Southwestern USA.” Talk presented to “Restoring or Renaturing?: The Presence of the Past in Ecological Restoration. A Transatlantic Workshop”, Institute of Environmental Studies, University of Zurich, Switzerland, 10-11 July 2006.

“Conservation Across the US-Mexico Border: Historical-Geographical Insights.” Talk presented to the 20th Annual Meeting of the Society for Conservation Biology, San Jose, CA, 24-28 June 2006.

“Rescaling the Range: Interacting Ecological and Economic Processes in Land-Use Conversion.” Energy and Resources Group Colloquium Series, University of California, Berkeley, 5 April 2006.

“Rangeland Conservation in the US: either green or market, but not both.” Paper presented to the 102nd Annual Meeting of the Association of American Geographers, Chicago, 7-11 March 2006.

“Working Wilderness: The History of the Malpai Borderlands Group and the Future of the Western Range.” Invited presentation, Bill Lane Center for the Study of the North American West, Stanford University, 25 October 2005.

“Cooperation Replacing Warfare: The Story of the Malpai Borderlands Group.” Invited presentation, Sustainable Development Seminar, Johnson Graduate School of Management, Cornell University, Ithaca NY, 15 April 2005.

Invited panelist, “Henri Lefebvre: politics, state, space.” Association of American Geographers Annual Meeting, Denver CO, 5-9 April 2005.

“Prospects and Tools for Sustainable Ranching in the West.” Invited keynote speech, Rangelands West Partnership Conference, Tucson AZ, 16-17 March 2005.

“Protecting Endangered Species at Large Scales: Problems of Presumption, Risk, and Trust.” Invited paper presented to the Malpai Borderlands Group Science Conference, Douglas AZ, 3-4 January 2005.

“Against Long Odds: A multidisciplinary long-term planning project with the Malpai Borderlands Group.” Paper presented to the 14th Annual Jornada Symposium, Jornada Experimental Range, Las Cruces NM, 15 July 2004.

“Rangeland degradation and restoration in ‘the desert seas’: social and economic drivers of ecological change between the sky islands.” Paper presented to Biodiversity and Management of the Madrean Archipelago II: Connecting Mountain Islands and Desert Seas, 11-15 May, 2004, Tucson, Arizona.

“Surrogates for mobility: rediscovering pastoralism in the American West.” Paper presented to the 100th Annual Meeting of the Association of American Geographers, Philadelphia, March 2004.

“Recognizing History in Range Ecology: 100 Years of Science and Management on the Santa Rita Experimental Range.” Paper delivered to Santa Rita Experimental Range: 100 Years (1903-2003) of Accomplishments and Contributions, October 30-November 1, 2003, Tucson, Arizona.

“The Altar Valley Arroyo: history, impacts and restoration.” Presentation to the Arizona Hydrological Society’s 16th Annual Symposium, 17-20 September 2003, Mesa, Arizona.

“The Genesis of Range Science, with Implications for Pastoral Development Policy” (lead author, with Maria Fernandez-Gimenez). Paper delivered to the VIIth International Rangeland Congress, Durban, South Africa, 26 July-1 August 2003.

“Burning, grazing, and endangered species: Forest politics in the U.S./Mexico borderlands.” Paper delivered to the 99th Annual Meeting of the Association of American Geographers, New Orleans, Louisiana, March 2003.

Organizer, Moderator, and Panelist. Wildlife on a Fragmenting Range: Can ranchers and scientists conserve habitat in the “New West”? 56th Annual Meeting of the Society for Range Management, Casper, Wyoming, February 2003.

“Managing Grazing, Fire, and Endangered Species on Private, State, and Federal Rangelands: A Comparison of Three Southwestern Cases.” Paper delivered to the 56th Annual Meeting of the Society for Range Management, Casper, Wyoming, February 2003.

“Ranchers, Restoration, and Leopold’s Land Ethic in the Altar Valley Southwest of Tucson.” Paper delivered to the joint meeting of the Ecological Society of America and the Society for Ecological Restoration, Tucson, Arizona, 4-9 August 2002.

“Scale, Capital, and the Grazing Debate: A Case from the American Southwest.” Paper delivered to the 98th Annual Meeting of the Association of American Geographers, Los Angeles, California, 19-23 March 2002.

“Rethinking Protected Areas: The Case of the Buenos Aires National Wildlife Refuge.” Paper delivered to the Quivira Coalition’s First Annual Conference: The New Ranch at Work, Albuquerque, New Mexico, 18-19 January 2002.

“Preserving Working Ranches and Desert Grasslands: Theory and Practice.” Paper delivered to Hot Topics/Cool Solutions 2001: The Sustaining Desert: Building Livable Futures. Tucson, Arizona, 10-12 September 2001.

“The Importance and Some Challenges of Participatory Research.” Paper delivered to the Society for Range Management, Arizona Section Winter Meeting, Tempe, Arizona, 12-13 January 2001.

“The Free Market, Pristine Nature, and Other Myths of the New West.” Paper delivered to American Anthropological Association Annual Meeting, San Francisco, 15-19 November 2000.

“Ranching in the Political Ecology of Southern Arizona.” Paper delivered to Society for Applied Anthropology Annual Meeting, Tucson, 20-25 April 1999.

“‘A Place Outside of Time’: The Construction of Atemporality on a National Wildlife Refuge.” Paper delivered to American Anthropological Association Annual Meeting, Chicago, 17-21 November 1999.

“Producing a State of Nature: The Buenos Aires National Wildlife Refuge and Henri Lefebvre’s ‘State Mode of Production.’” Paper delivered to 14th World Conference of Sociology, Montreal, 26 July-1 August 1998.

Organizer and Moderator, panel on Non-Traditional Uses of Grasslands, Conference on “The Future of Arid Grasslands: Identifying Issues, Seeking Solutions,” Tucson, 9-13 October 1996.

Book Reviews

Eric Perramond. *Political Ecologies of Cattle Ranching in Northern Mexico: Private Revolutions*. University of Arizona Press, 2010. *Journal of Historical Geography* forthcoming.

Roger Keil and Rianne Mahon, eds. *Leviathan Undone? Towards a Political Economy of Scale*. University of British Columbia Press, 2009. *Journal of Regional Science* 51 (2011): 647-649.

Kanishka Goonewardena, Stefan Kipfer, Richard Milgrom and Christian Schmid, eds. *Space, Difference, Everyday Life: Reading Henri Lefebvre*. Routledge, 2008. *International Journal of Urban and Regional Research* 33(4) (2009): 1088-1090.

Wallace S. Broecker and Robert Kunzig. *Fixing Climate: What Past Climate Changes Reveal About the Current Threat—and How to Counter It*. Hill and Wang, 2008. *Rangelands* 30(6): 48.

Marcus Hall. *Earth Repair: A Transatlantic History of Environmental Restoration*. University of Virginia Press, 2005. *Journal of Historical Geography* 33 (2007): 711-713..

“The End of the Grazing Debate.” Review of: George Wuerthner and Mollie Matteson, eds. *Welfare Ranching: The Subsidized Destruction of the American West*. Covelo: Island Press, 2002; and Richard L. Knight, Wendell C. Gilgert and Ed Marston, eds. *Ranching West of the 100th Meridian: Culture, Ecology, and Economics*. Covelo: Island Press, 2002. *Conservation Biology* 17(4) (August 2003): 1186-1188.

J. Mallea-Olaetxe. *Speaking Through the Aspens: Basque Tree Carvings in California and Nevada*. Reno: University of Nevada Press, 2000. *Geographical Review* 91(3) (July 2001): 604-606.

David Harvey. *Spaces of Hope*. Berkeley: University of California Press, 2000. *American Ethnologist* 28(3) (August 2001): 694-696.

Roy Ellen and Katsuyoshi Fukui, eds. *Redefining Nature: Ecology, Culture and Domestication*. Oxford: Berg, 1996. *American Ethnologist* 25(3) (August 1998): 515-16.

Fellowships and Academic Awards

UC-Mexus Small Grant, 2011. “Collaborative socio-ecological research in the US-Mexico Borderlands.” \$1500.

Fellow, Mellon Faculty Institute on Undergraduate Research, University of California, Berkeley, 2006-07.

Junior Faculty Research Grants, Committee on Research, University of California, Berkeley, 2004-05 and 2006-07.

Faculty Research Grant, Committee on Research, University of California, Berkeley, 2005-06.

Post-doctoral Research Fellowship, USDA-Agricultural Research Service-Jornada Experimental Range, December 2000-December 2003.

Weatherhead Fellowship, School of American Research, Santa Fe NM, 1998-99.

National Science Foundation Graduate Research Fellowship, 1995-98.

University of Chicago Century Fellowship, 1994-95.

Summa Cum Laude, Phi Beta Kappa, and Honors in Philosophy, Yale University.

Related Work Experience

Consultant, Malpai Borderlands Group (February 2002-March 2004).

Prepare synthesis of literature relating to natural resources and socio-economic trends in area; write critical assessment of MBG activities to date and long-term plan for future.

Consultant, Sonoran Institute, December 2001-June 2002.

Assist Altar Valley Conservation Alliance with research related to open space protection and possible Habitat Conservation Plan for ranch operations in the Altar Valley.

Project Manager, WestLand Resources, Tucson, AZ, November 1999-December 2000.

Executed contract to complete Altar Valley Watershed Resource Assessment, including reports on Conservation Action Sites, Watershed Action Plan, and Ranch Management Plan Updates and Revisions.

Service Activities

Manuscripts/proposals reviewed for:

Annals of the Association of American Geographers

Antipode

Conservation Biology

Conservation Letters

Ecological Applications

Ecology and Society

Environment and Planning A

Environment and Planning D: Society and Space

Environmental Management

France Berkeley Fund

Geoforum

The Geographical Review

Island Press

Journal of American History

Journal of Applied Remote Sensing

Journal of Historical Geography

Journal of the Southwest

National Fish and Wildlife Foundation

National Geographic Society

National Science Foundation

New Frontiers in Historical Ecology Book Series (Left Coast Press)

Nomadic Peoples

Pastoralism: Research, Policy and Practice

Progress in Human Geography

Rangeland Ecology and Management

Rangelands

Social and Cultural Geography

Transactions of the Institute of British Geographers

University of Arizona Press

University of California Press

University of Chicago Press

University of Iowa Press

Yale University Press

Editorial Board Member, *Annals of the Association of American Geographers*, 1/2012-12/2015

Board Member, Malpai Borderlands Group, 4/2012-present

Chair, Rangeland Ecology and Management Section, Ecological Society of America, 7/2011-6/2012
Faculty Coordinator, Berkeley Workshop on Environmental Politics, 6/2010-6/2012
Editorial Board Member, *Antipode*, 7/2010-present
Geography Department Undergraduate Advisor for Human Geography, 7/2008-present
Member, Executive Committee, Environmental Politics Working Group, University of California, Berkeley, 2004-present
Member, Editorial Board, New Frontiers in Historical Ecology book series, Left Coast Press
Member, Science Advisory Board, Malpai Borderlands Group, 2003- present
Member, Advisory Board, Quivira Coalition, 2003-2008
Member, Ranch Conservation Technical Advisory Team, Sonoran Desert Conservation Plan, Pima County, 1999-2003
Advisor to Redington Natural Resource Conservation District, Cascabel, Arizona, 2000-2001

Research Interests

Ranching and pastoralism, rangeland ecology and management, history of range science, endangered species, scale in ecology and geography, the state, Western environmental history, urbanization/land use change.

Professional Affiliations

Association of American Geographers
Society for Range Management
Society for Conservation Biology
Ecological Society of America

Advisees (*major advisor)

Joseph Bryan	Alessandro Tiberio
Benjamin Gardner	Susan Kay McIlroy (ESPM)
*Nathan McClintock	Michael Dwyer (ERG)
*Jessica Lage	Jiat-Hwee Chang (Architecture)
*Jenny Baca	Adena Rissman (ESPM)
Sandy Brown	Kimberly Rodrigues (ESPM)
Andrew Friedman	Karin Tuxen (ESPM)
Javier Arbona	Lucy Diekmann (ESPM)
Sarah Knuth	MacKenzie Moore (History)
*Adam Romero	Stephanie Kim (CRP)
Shannon Cram	Clint Carroll (ESPM)
John Stehlin	Paul Roge (ESPM)
*Liz Carlisle	Anne Short (ERG)
Gustavo Oliveira	Zac Henson (ESPM)
*Annie Shattuck	Margot Higgins (ESPM)
Eli Marienthal	Lusi Morhayim (Architecture)
*Jeff Martin	