

Timothy Alan Kohler

June 30, 2026

Personal Information

Born: Davenport, Iowa, USA

Present positions: Regents' Professor Emeritus, Anthropology, Washington State University;
External Professor, Santa Fe Institute, Santa Fe, NM

Address: Department of Anthropology, Washington State University, Pullman, WA 99164-4910,
(509) 335-2698, e-mail: tako@wsu.edu or tako@santafe.edu

ORCID: <http://orcid.org/0000-0002-3414-6660>

Education and Degrees

Ph.D., Anthropology, August 1978. Title of dissertation: The Social and Chronological Dimensions of Village Occupation at a North Florida Weeden Island Period Site. University of Florida, Gainesville

M.A., Anthropology, June 1975; major in archaeology, minor in botany. Title of thesis: The Garden Patch Site: A Minor Weeden Island Period Ceremonial Center of the North Peninsular Florida Gulf Coast. University of Florida, Gainesville

A.B., General Studies, June 1972. New College of Sarasota, Florida

Principal Research Interests

Archaeology of Neolithic societies with emphasis on the North American Southwest; culture change, social evolution, and complex adaptive systems; computational approaches in archaeology; human interaction with the environment; climate change archaeology; prehistory of inequality and economic growth; scale and collective computation

Academic Positions

Regents' Professor Emeritus of Archaeology and Evolutionary Anthropology, WSU (since Spring 2021).

Research Associate, Department of Archaeology, Durham University, Spring 2023.

Johanna-Mestorf-Chair, Christian-Albrechts-Universität zu Kiel, Germany, Fall 2021.

Invited Scholar, Research Institute for Humanity and Nature, Kyoto, Japan, September – November 2019.

Professeur invité, May-June 2013. Université de Franche-Comté (Laboratoire de Chrono-Environnement), Besançon, France.

Regents' Professor, Anthropology, WSU; Fall 2006 – Spring 2021.

Acting Chair, Anthropology, WSU, 2004 - 2005

Fulbright-University of Calgary Chair in North American Studies, January-April 1999, Department of Archaeology, Calgary, Alberta, Canada (Distinguished Chair position)

Chair, Anthropology, WSU, 1996 – 2000 (on leave F '98 and Spr '99)

Professor, Anthropology, WSU, Fall 1993 – 2006.

Member, Santa Fe Institute, Santa Fe, 1992–1993. (In residence on sabbatical from WSU, A/Y ‘92/93). External Professor, 1994–2003; 2004–current. Director, Culture Program (aka Long-Term Human Dynamics Program), SFI, 1997–1999. Member of Science Board, 2011 – 2017

Associate Professor (tenured), Anthropology, WSU, Fall 1986–Spring 1993

Northwestern Interinstitutional Council for Study Abroad Professor, Avignon, France, Spring 1983

Assistant Professor, Anthropology, WSU (permanent position) Fall 1980–Spring 1986.

Assistant Professor, Anthropology, WSU, (temp. position), Fall 1978–Spring 1980.

Instructor, University of Florida, Department of Anthropology, Summer 1978

Selected Honors, Awards, Grants (see also “Grant Proposals” beginning p. 47)

2025 The GINI Project (The Global Dynamics of Inequality over the Long Term, which I co-directed) was one of 10 projects honored by the Sixth Shanghai Archaeology Forum in the category “major archaeological research findings.”

2022 Elected to U.S. National Academy of Sciences (Section 51, Anthropology), inducted April 2023.

2019 Society for American Archaeology Presidential Recognition Award “in appreciation of efforts in helping SAA examine ways in which professional archaeologists can better share the value of our research with the contemporary world.” April.

2018 Elected to Washington State Academy of Sciences, inducted September.

2014 Alfred Vincent Kidder Award for Eminence in the Field of American Archaeology, American Anthropological Association, November. (Awarded every two years, alternately to researchers working in the Southwest, and in Mesoamerica.)

2013 The Village Ecodynamics Project was one of 10 projects honored by the First Shanghai Archaeology Forum in the category “major archaeological research findings.” It was the only project in North America in that category. Kohler travelled to Shanghai in August to accept the award and deliver an address on the VEP.

2011 Washington State University’s Distinguished Faculty Address award, March. Title: Prehistory of the Pueblo Peoples—How we learn and what we know. Aired on Northwest Public Television 5-11-11.

2010 Society for American Archaeology’s Award for Excellence in Archaeological Analysis, St. Louis, April (in the unrestricted/general category).

2009 Washington State University College of Liberal Arts Dean’s Distinguished Contribution Award, April, for outstanding contributions across multiple missions of the College of Liberal Arts (scholarship, teaching, outreach, and service) during the course of an extended career at WSU.

2009 Senior Principal Investigator for a grant from the Coupled Natural and Human Systems program of NSF, entitled “Coupled Natural and Human Ecosystems over Long Periods: Pueblo Ecodynamics” to conduct modeling of coupled human/ecosystems in prehispanic Southwest Colorado and the northern Rio Grande region of New Mexico, \$1.49 million, spring 2009–2014.

2007 Elected Fellow, AAAS, Section H (Anthropology).

2006 Senior Principal Investigator for an NSF IGERT training program spanning anthropology and biology and WSU and UW, entitled “Model-Based Approaches to Biological and Cultural Evolution,” 6/15/2006 - 2013; total value over 5 years, \$3.1 million.

2006 Award of the General Anthropology Division of the American Anthropological Association for Exemplary Cross Sub-Field Research for the publication of Modeling Historical Ecology, Thinking about Contemporary Systems in *American Anthropologist* 107:96-108 (2005), by Johnson, Kohler, and Cowan.

2001 Senior Principal Investigator for a grant from the Biocomplexity in the Environment Special Competition of NSF, \$920,000, to conduct modeling of coupled human/ecosystems in prehispanic Southwest Colorado, fall 2001 – spring 2006. Supplement for paleoclimatic research (\$58,000) funded Spring 2003.

1997 Principal Investigator for a grant from the Wenner-Gren Foundation for Anthropological Research to fund a conference on agent-based modeling in anthropology at the Santa Fe Institute in December.

1995 Principal Investigator for a grant from the National Center for Preservation Technology and Training, entitled “Developing Agent-Based Simulations for Identifying and Interpreting Archaeological Sites,” Fall 1995–Fall 1996.

1992 Principal Investigator for a grant from the Skaggs Foundation (through the National Parks Foundation) and for a contract through the National Park Service for a final report on the Bandelier Archaeological Excavation Project, Fall 1992/Spring 1993.

1991 Principal Investigator for grants and gifts from the Southwest Parks and Monuments Association, the Friends of Bandelier, the Skaggs Foundation, and the Wenner-Gren Foundation for Anthropological Research, for sampling excavations in Bandelier National Monument, Summer 1991.

1990 Principal Investigator for grants and gifts from the Southwest Parks and Monuments Association, the L. J. & Mary C. Skaggs Foundation, the Friends of Bandelier, and a Research Experiences for Undergraduates supplement to NSF grant, for intensive excavations in Bandelier National Monument, Summer 1990.

1989 Principal Investigator for grants and gifts from the National Science Foundation (2 years), the Wenner-Gren Foundation for Anthropological Research (original and supplement), the Southwest Parks and Monuments Association, the L. J. & Mary C. Skaggs Foundation, and the Friends of Bandelier for intensive excavations in Bandelier National Monument, Summer 1989.

1988 Principal Investigator for contracts, grants and gifts from the Friends of Bandelier, the WSU Graduate School (Faculty Summer Stipend), Bandelier National Monument, and the Southwest Parks and Monuments Association for sampling excavations in Bandelier National Monument, Summer 1988.

1986 Weatherhead Scholar, Fall 1986–Summer 1987, School of American Research, Santa Fe, New Mexico.

1985 Florida Historic Preservation Advisory Council grants, survey in coastal Dixie County, December 1985 and January 1986.

1979 Bullen Medal co-recipient, Florida State Museum.

Authored Books († key contributions)

1997 (one of four equal co-authors, after J. T. Milanich) *Archaeology of Northern Florida A.D. 200-900: The McKeithen Weeden Island Culture*. University Press of Florida, Gainesville. (New edition, with new preface, of Academic Press book.)

† 1984 (one of four equal co-authors, after J. T. Milanich) *McKeithen Weeden Island: The culture of northern Florida, A.D. 200-900*. Academic Press, New York. (Reviewed in *American Antiquity* 51:878-879).

Edited Books († key contributions)

† 2018 (first editor, with Michael E. Smith) *Ten Thousand Years of Inequality: The Archaeology of Wealth Differences* (also author or co-author of three chapters). University of Arizona Press, Tucson. (Under translation to Chinese and Korean.)

† 2012 (first editor, with Mark D. Varien) *Emergence and Collapse of Early Villages: Models of Central Mesa Verde Archaeology*. University of California Press, Berkeley. (Author or co-author of 8 chapters. Reviewed in <http://jasss.soc.surrey.ac.uk/15/4/reviews/2.html>; *American Antiquity* 79:178-179; and *American Anthropologist* 116:215).

† 2010 (first editor, with Mark D. Varien and Aaron Wright) *Leaving Mesa Verde: Peril and Change in the 13th Century Southwest*. Amerind Foundation and the University of Arizona Press, Tucson. (Also author of the Preface and Chapter 5, A New Paleoproductivity Reconstruction for Southwestern Colorado, and its Implications for Understanding the Thirteenth-Century Depopulation.) (Reviewed in *Southwestern Lore* 76:21-26; *Journal of Anthropological Research* 67:285-286; *American Antiquity* 77:195-196; *Kiva* 77:12-14). (First paperback edition, 2011.)

2007 (first editor, with Sander van der Leeuw) *The Model-Based Archaeology of Socionatural Systems*. SAR Press, Santa Fe. (Also first author of Chapter 1 [with Sander van der Leeuw]: Historical Socionatural Systems and Models: An Introduction to the Volume, and Chapter 4 [with C. David Johnson, Mark Varien, Scott Ortman, Robert Reynolds, Ziad Kobti, Jason Cowan, Kenneth Kolm, Schaun Smith, and Lorene Yap]: Settlement Ecodynamics in the Prehispanic Central Mesa Verde Region. SAR Press, Santa Fe. Reviewed in *American Antiquity* 74:573-374).

2006 (second editor, with R. G. Matson) *Tracking Ancient Footsteps: William D. Lipe's Contributions to Southwestern Prehistory and Public Archaeology*. WSU Press, Pullman. Also second author of chapter 1 (Introduction) and chapter 5 (Basketmaker III, Pueblo I, and the Dolores Archaeological Project. (Reviewed in *Antiquity* 81:497- 498).

† 2004 (editor and author or co-author of 6 of 8 chapters) *Village Formation on the Pajarito Plateau, New Mexico: The Archaeology of Bandelier National Monument*. University of New Mexico Press, Albuquerque. (Reviewed in *Journal of Anthropological Research* 60:617-620

† 2000 (first editor, with G. Gumerman) *Dynamics in Human and Primate Societies: Agent-Based Modeling of Social and Spatial Processes*. Santa Fe Institute and Oxford University Press. (Also author of Chapter 1: Putting Social Sciences Together Again: An Introduction to the Volume; and first of five authors, with J. Kresl, C. Van West, Eric Carr, and Richard Wilshusen, of Chapter 7: Be There Then: A Modeling Approach to Settlement Determinants and Spatial Efficiency among late Ancestral Pueblo Populations of the Mesa Verde Region, U.S. Southwest. Reviewed in <http://jasss.soc.surrey.ac.uk/4/3/contents.html> [7/01], *Cambridge Archaeological Journal* 11(2) [2001]), and *Environment and Planning B-Planning & Design* 29(4):632-633 2002).

Peer-Reviewed Journal Articles († key contributions)

† 2026 (first (corresponding) author, with Adam Green and Scott G. Ortman) Kuznets at -7000: Is there a really long-term relationship between growth and inequality? *Structural Change and Economic Dynamics* [10.1016/j.strueco.2026.01.007](https://doi.org/10.1016/j.strueco.2026.01.007).

- 2025 (first (corresponding) author with Laura E. Brumbaugh and R. Kyle Bocinsky) How Many People Lived in the Chaco Regional System, and Why It Matters. *Kiva* E-pub ahead of print - Sep 22, 2025.
- † 2025 (first (corresponding) author, with Amy Bogaard and Scott Ortman) Introducing the Special Feature on housing differences and inequality over the very long term. *Proceedings of the National Academy of Sciences* 122 (16) e2401989122. (Part of Special Feature I co-edited with Amy Bogaard.) [One month after publication, Altmetrics score of 109, “In the top 5% of all research outputs scored by Altmetric” and “High Attention Score compared to outputs of the same age and source (89th percentile)].”
- † 2025 (first [corresponding] author, with 27 others) Economic inequality is fueled by population scale, land-limited production, and settlement hierarchies across the archaeological record. *Proceedings of the National Academy of Sciences* 122 (16) e2400691122. (Part of Special Feature I co-edited with Amy Bogaard.) [One month after publication, Altmetrics score of 95, “in the top 5% of all research outputs scored by Altmetric” and “High Attention Score compared to outputs of the same age and source (87th percentile)” Ranked 21st for degree of attention among all WSU publications in 2025].
- † 2025 (last of 11 authors, after Tim Kerig) 100 generations of wealth equality after the Neolithic transitions. *Proceedings of the National Academy of Sciences* 122 (16) e2400697122. (Part of Special Feature I co-edited with Amy Bogaard.)
- 2024 Gillreath-Brown, Andrew and Timothy A. Kohler How Maize Farmers in the US Southwest Grew and Prospered under El Niño but Suffered under La Niña. *Kiva* 90(4): 455-479. DOI 10.1080/00231940.2024.2348941.
- † 2024 (last [corresponding] author, Andrew Gillreath-Brown and R. Kyle Bocinsky) A Low-Frequency Summer Temperature Reconstruction for the United States Southwest, 3000 BC – AD 2000. *The Holocene* 34(4):451–466. doi:10.1177/09596836231219482.
- 2024 (last [corresponding] author, with Darcy Bird, R. Kyle Bocinsky, and Kelsey M. Reese) Settlement Persistence in the Prehispanic Central Mesa Verde Region: A Dynamic Analysis. *Journal of Archaeological Sciences: Reports* 56 (2024) 104515.
- † 2024 (fourth author, with David H. Wolpert, Michael H. Price, Stefani A. Crabtree et al.) The Past as a Stochastic Process. *Journal of Computer Applications in Archaeology* 7(1): 134-152. DOI: <https://doi.org/10.5334/jcaa.113>.
- 2023 (last author, with Amy Bogaard, Scott Ortman, Jennifer Birch et al.) The Global Dynamics of Inequality (GINI) project: analysing archaeological housing data. *Antiquity [Project Gallery]* 7 pp DOI: <https://doi.org/10.15184/aqy.2023.188>.
- † 2023 Scheffer, Marten, Egbert H. van Nes, Luke Kemp, Timothy A. Kohler, Timothy M. Lenton and Chi Xu Vulnerability of Aging States, a survival analysis across pre-modern societies. *PNAS* 2023 120(48) <https://doi.org/10.1073/pnas.2218834120>.
- † 2023 (first author, with Darcy Bird, R. Kyle Bocinsky, Kelsey Reese, and Andrew Gillreath-Brown) Wealth inequality in the prehispanic northern US Southwest: from Malthus to Tyche. *PTRSB* 20220298. <https://doi.org/10.1098/rstb.2022.0298>. (One contribution of 20 to theme issue ‘Evolutionary ecology of inequality’.)

- † 2022 (6th of 11 authors, after Luke Kemp) Climate Endgame: A Research Agenda for Exploring Catastrophic Climate Change Scenarios. *PNAS* 119 (34) e2108146119 <https://doi.org/10.1073/pnas.2108146119>. (This article provoked 3 letters, and all authors replied to each. Those are not listed here. Altmetrics score was 5499 5 weeks after publication.)
- 2022 (first author, with Darcy Bird and David H. Wolpert) Editorial [introduction to the special issue] *Journal of Social Computing* 3(1):i-ii. DOI: [10.23919/JSC.2021.0037](https://doi.org/10.23919/JSC.2021.0037).
- 2022 (first and corresponding author, with Darcy Bird and David H. Wolpert) Social Scale and Collective Computation: Does Information Processing Limit Rate of Growth in Scale? *Journal of Social Computing* 3(1):1-17 DOI: 10.23919/JSC.2021.0020. [also first editor of the special issue in which this is placed]
- † 2021 (last and corresponding author, with Marten Scheffer, Egbert van Nes, Darcy Bird, and R. Kyle Bocinsky) Loss of Resilience Preceded Transformation of Prehispanic Pueblo Societies. *PNAS* 118 (18) e2024397118; <https://doi.org/10.1073/pnas.2024397118>.
- 2021 (9th of 11 authors, after James Holland Jones et al.) How can evolutionary and biological anthropologists engage broader audiences? *American Journal of Human Biology* 2021: e23592.
- 2021 (5th author, with Feifei Pan, Lisa Nagaoka, Steve Wolverton, Samuel F. Atkinson, and Marty O'Neill) A Constrained Stochastic Weather Generator for Daily Mean Air Temperature and Precipitation. *Atmosphere* 12, 135. <https://doi.org/10.3390/atmos12020135>.
- † 2021 (second author, with Timothy M. Lenton, Pablo A. Marquet, Richard A. Boyle, Michel Crucifix, David M. Wilkinson, and Marten Scheffer) Survival of the Systems. *Trends in Ecology and Evolution* 36(4):333-344.
- † 2020 (first author, with Marcy Rockman) The IPCC: A Primer for Archaeologists. *American Antiquity* 85(4):627–651.
- † 2020 (last [corresponding] author, with Jaeweon Shin, Michael H. Price, David H. Wolpert, Hajime Shimao, and Brendan Tracey) Scale and information-processing thresholds in Holocene social evolution. *Nature Communications* 10.1038/s41467-020-16035-9.
- † 2020 (second author, with Chi Xu, Timothy M. Lenton, Jens-Christian Svenning, and Marten Scheffer) Future of the human climate niche. *PNAS* www.pnas.org/cgi/doi/10.1073/pnas.1910114117. (One of the 5 most popular scientific papers in May 2020 (*Nature Index News*) and #22 out of 84,837 among *PNAS* research outputs.)
- 2019 (second author, with Laura J. Ellyson, and Catherine M. Cameron) How far from Chaco to Orayvi? Quantifying inequality among Pueblo households. *Journal of Anthropological Archaeology* 55: 101073. <https://doi.org/10.1016/j.jaa.2019.101073>.
- 2019 (last author, with Kelsey M. Reese and Donna M. Glowacki) Dynamic Communities on the Mesa Verde Cuesta. *American Antiquity* 84(4): 728–747. doi:10.1017/aaq.2019.74.
- 2018 (first [corresponding] of 10 authors, with P.I. Buckland, K.W. Kintigh, R.K. Bocinsky, A. Brin, A. Gillreath-Brown, et al.) Paleodata for and from archaeology. *PAGES Magazine* 26(2):68-69 <https://doi.org/10.22498/pages.26.2.68>.
- 2018 (one of 14 authors, alphabetized after first three lead authors) Fostering Collaborative Synthetic Research in Archaeology. *Advances in Archaeological Practice* 6(1):19–29 doi: 10.1017/aap.2017.31.

† 2017 (first of 17 authors, one of two corresponding authors) Greater Post-Neolithic Wealth Disparities in Eurasia than in North or Mesoamerica. *Nature* (Letter) 551:619-622 doi:10.1038/nature24646.

2017 (7th author, with Jeffrey H. Altschul, Keith W. Kintigh, Terry H. Klein, William H. Doelle, Kelley A. Hays-Gilpin, Sarah A. Herr, Barbara J. Mills, Lindsay M. Montgomery, Margaret C. Nelson, Scott G. Ortman, John N. Parker, Matthew A. Peeples, and Jeremy A. Sabloff) Opinion: Fostering Synthetic Research in Archaeology. *PNAS* 114(42):10999-11002 (www.pnas.org/cgi/doi/10.1073/pnas.1715950114).

2017 (last of 10 authors, indicating lab direction/funding, with Brian M. Kemp, Kathleen Judd, Cara Monroe, Jelmer W. Eerkens, Lindsay Hilldorf, Connor Cordray, Rebecca Schad, Erin Reams, and Scott G. Ortman) Prehistoric Mitochondrial DNA of Domesticated Animals Supports a 13th century Exodus from the Northern US Southwest. *PLoS ONE* 12(7): e0178882. <https://doi.org/10.1371/journal.pone.0178882>.

† 2017 (last [corresponding] author, with Stefani A. Crabtree, R. Kyle Bocinsky, Paul L. Hooper, and Susan C. Ryan) How to Make a Polity (in the central Mesa Verde region). *American Antiquity* 82(1):71-95. doi:10.1017/aaq.2016.18.

† 2016 (last author, indicating lab, with Jade d'Alpoim Guedes, Stefani A. Crabtree, and R. Kyle Bocinsky) 21st-Century Approaches to Ancient Problems: Climate and Society. *PNAS* 113:14483-14491.

2016 (first author, with Rebecca Higgins) Quantifying Household Inequality in Early Pueblo Villages. *Current Anthropology* 57(5):690-697.

† 2016 (last [corresponding] author, with R. Kyle Bocinsky, Johnathan Rush, and Keith W. Kintigh) Exploration and Exploitation in the Macrohistory of the Prehispanic Pueblo Southwest. *Science Advances* 2, e1501532. DOI: 10.1126/sciadv.1501532.

† 2016 (last [corresponding] author with D. M. Schwindt, R. K. Bocinsky, S. G. Ortman, D. M. Glowacki, and M. D. Varien) The Social Consequences of Climate Change in the Central Mesa Verde Region. *American Antiquity* 81(1):74-96.

2016 (third author, with Fumi Arakawa and Mark Varien) American Southwest. The Special Issue: Current States of North American Archaeology. *Cultura Antiqua* 68(1):81-90. The Paleological Association of Japan, Inc. Kyoto, Japan (in Japanese).

2015 (4th author [alphabetized], with Keith Kintigh, Jeffrey H. Altschul, Edward J. Hackett, Ann P. Kinzig, W. Fredrick Limp, Bertram Ludäscher, Clifford A. Lynch, William K. Michener, and Jeremy A. Sabloff) Cultural Dynamics, Deep Time, and Data: Planning Cyberinfrastructure Investments for Archaeology. *Advances in Archaeological Practice* 3(1): 1-15. DOI: [10.7183/2326-3768.3.1.1](https://doi.org/10.7183/2326-3768.3.1.1)

2015 (15th of 23 authors, after Timothy McPhillips) YesWorkflow: A User-Oriented, Language-Independent Tool for Recovering Workflow Information from Scripts. *International Journal of Digital Curation* 10(1):298-313. [doi:10.2218/ijdc.v10i1.370](https://doi.org/10.2218/ijdc.v10i1.370).

† 2014 (second author, with R. Kyle Bocinsky) A 2,000-year reconstruction of the rain-fed maize agricultural niche in the US Southwest. *Nature Communications* 5:5618. DOI: 10.1038/ncomms6618.

2014 (5th author, with Kelsey E. Witt, Kathleen Judd, Andrew Kitchen, Colin Grier, Scott G. Ortman, Brian M. Kemp, and Ripan S. Malhi) DNA analysis of ancient dogs of the Americas: Identifying possible founding haplotypes and reconstructing population histories. *Journal of Human Evolution* <http://dx.doi.org/10.1016/j.jhevol.2014.10.012>.

- † 2014 (first author, with Scott G. Ortman, Katie E. Grundtisch, Carly M. Fitzpatrick, and Sarah M. Cole) The Better Angels of Their Nature: Declining Violence Through Time among Prehispanic Farmers of the Pueblo Southwest. *American Antiquity* 79(3): 444–464. (Supplemental materials on-line at www.saa.org/members-login.)
- † 2014 (first author, with Kelsey M. Reese) Long and Spatially Variable Neolithic Demographic Transition in the North American Southwest. *PNAS* 111(28):10101-10106.
- 2014 (sixth author [alphabetized] with Keith W. Kintigh, Jeffrey H. Altschul, Mary C. Beaudry, Robert D. Drennan, Ann P. Kinzig, W. Fredrick Limp, Herbert D.G. Maschner, William K. Michener, Timothy R. Pauketat, Peter Peregrine, Jeremy A. Sabloff, Tony J. Wilkinson, Henry T. Wright, and Melinda A. Zeder) Grand Challenges for Archaeology. *PNAS* 111(3):879-880 doi: 10.1073/pnas.1324000111. [This is a 1-pg version of the *American Antiquity* article of the same name.]
- † 2014 (sixth author [alphabetized] with Keith W. Kintigh, Jeffrey H. Altschul, Mary C. Beaudry, Robert D. Drennan, Ann P. Kinzig, W. Fredrick Limp, Herbert D.G. Maschner, William K. Michener, Timothy R. Pauketat, Peter Peregrine, Jeremy A. Sabloff, Tony J. Wilkinson, Henry T. Wright, and Melinda A. Zeder) Forum: Grand Challenges for Archaeology. *American Antiquity* 79(1):5-24.
- 2013 (fourth author, with Denton Cockburn, Stefani Crabtree, Ziad Kobti, and R. Kyle Bocinsky) Simulating Social and Economic Specialization in Small-Scale Agricultural Societies. *Journal of Artificial Societies and Social Simulation* 16 (4) 4. <http://jasss.soc.surrey.ac.uk/16/4/4.html>. Published 31 October.
- 2013 How the Pueblos got their Sprachbund. *Journal of Archaeological Method and Theory*. 20:212-234. DOI: 10.1007/s10816-012-9145-4. (Published on-line 1 August 2012.)
- 2012 (first author, with R. Kyle Bocinsky, Denton Cockburn, Stefani A. Crabtree, Mark D. Varien, Kenneth E. Kolm, Schaun Smith, Scott G. Ortman, and Ziad Kobti) Modelling Prehispanic Pueblo Societies in their Ecosystems. *Ecological Modelling* 241:30-41. DOI: 10.1016/j.ecolmodel.2012.01.002.
- 2012 (second author, with S. Crabtree) Modelling across millennia: Interdisciplinary paths to ancient socio-ecological systems [an introduction to a special issue on models in archaeology]. *Ecological Modelling* 241:2-4. DOI 10.1016/j.ecolmodel.2012.02.023.
- † 2012 (first author, with Denton Cockburn, Paul L. Hooper, R. Kyle Bocinsky, and Ziad Kobti) The Coevolution of Group Size and Leadership: An Agent-Based Public Goods Model for Prehispanic Pueblo Societies. *Advances in Complex Systems* 15(1&2):1150007 (29 pages) DOI: 10.1142/S0219525911003256. (In topical issue, “Cultural Evolution,” edited by A. Kandler and J. Steele.)
- 2011 (13th author, with William J. McConnell, James D. A. Millington, Nicholas J. Reo, Marina Alberti, Heidi Asbjornsen, Lawrence A. Baker, Nicholas Brozović, Laurie E. Drinkwater, Scott A. Drzyzga, José Fragoso, Daniel S. Holland, Claire A. Jantz, Herbert D. G. Maschner, Michael Monticino, Guillermo Podestá, Robert Gilmore Pontius, Jr., Charles L. Redman, David Sailor, Gerald Urquhart, and Jianguo Liu) Research on Coupled Human and Natural Systems (CHANS): Approach, Challenges, and Strategies. *Bulletin of the Ecological Society of America* April: 218-228.
- † 2008 (first author, with Matt Pier Glaude, Jean-Pierre Bocquet-Appel, and Brian M. Kemp) The Neolithic Demographic Transition in the U.S. Southwest. *American Antiquity* 73:645-669 (also SFI Working Paper 08-05-022).

- † 2008 (first author, with Mark D. Varien, Aaron Wright and Kristin A. Kuckelman) Mesa Verde Migrations: New archaeological research and computer simulation suggest why ancestral Puebloans deserted the northern Southwest United States. *American Scientist* 96:146-153 (March/April). (Translated to French as “Le Mystère de Mesa Verde” and republished in *Pour la Science* 376, February 2009, pp. 62-68.)
- † 2007 (third author, with Mark D. Varien, Scott G. Ortman, Donna M. Glowacki, and C. David Johnson) Historical Ecology in the Mesa Verde Region: Results From The Village Project. *American Antiquity* 72:273-299.
- 2006 (first author, with Kathryn Kramer Turner) Raiding for Women in the Prehispanic Northern Pueblo Southwest? A Pilot Examination. *Current Anthropology* 47:1035-1045.
- 2006 (third author, with Ziad Kobti and Robert Reynolds) The Emergence of Social Network Hierarchy using Cultural Algorithms. *International Journal on Artificial Intelligence Tools* 15:963-978.
- 2005 (third author, with Robert G. Reynolds, Ziad Kobti, and Lorene Yap) Unraveling Ancient Mysteries: Re-imagining the Past using Evolutionary Computation in a Complex Gaming Environment. *IEEE Transactions on Evolutionary Computation* 9(6):707-720.
- 2005 (first author, with George Gumerman and Robert Reynolds) Simulating Ancient Societies: Computer Modeling is Helping to Unravel the Archaeological Mysteries of the American Southwest. *Scientific American* 293(1) (July):76-83. (Reprinted as Chapter 21 in *Annual Editions: Archaeology*, Eighth Edition, McGraw-Hill, 2006. Translated to German in 2006 as Computersimulationen helfen Archäologen, das rätselhafte Verschwinden vorgeschichtlicher Indianervölker zu verstehen in *Spektrum der Wissenschaft*, Januar:56-61. Reprinted in German with updates in *SPEZIAL Archäologie – Geschichte – Kultur* 1/2013: *Amerika vor Kolumbus*. Spanish version appeared in *Investigación y Ciencia: Edición Española de Scientific American*.)
- 2005 (second author, with C. David Johnson and Jason Cowan) Modeling Historical Ecology, Thinking about Contemporary Systems. *American Anthropologist* 107:96-108. (Recipient of the 2006 Award of the General Anthropology Division of the American Anthropological Association for Exemplary Cross Sub-Field Research.)
- † 2004 (first author, with S. VanBuskirk and S. Ruscavage-Barz) Vessels and Villages: Evidence for Conformist Transmission in Early Village Aggregations on the Pajarito Plateau, New Mexico. *Journal of Anthropological Archaeology* 23:100-118.
- 2003 (second author, with Robert Reynolds and Ziad Kobti) The Effects of Generalized Reciprocal Exchange on the Resilience of Social Networks: An Example from the Prehispanic Mesa Verde Region. *Journal of Computational and Mathematical Organization Theory* 9:227-254 (actually appeared May 2004).
- 2003 (second author, with Marco A. Janssen and Marten Scheffer) Sunk-Cost Effects Made Ancient Societies Vulnerable to Collapse. *Current Anthropology* 44:722-728. (Preprinted as SFI 02-02-007.)
- 2002 Antiquities Compared. *Antiquity* 76:1121-1123.
- 2000 The Final 400 Years of Prehispanic Agricultural Society in the Mesa Verde Region. *Kiva* 66:191-204.
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1986 (third of four compilers, with Allen E. Kane, William D. Lipe, Timothy A. Kohler, and Christine K. Robinson) *Dolores Archaeological Project: Research Design and Initial Survey Results*. (Also fifth author, with Ruthann Knudson, Steven E. James, Allen E. Kane, and William D. Lipe, of Chapter Two: pp. 11–39.) USDI, Bureau of Reclamation, Denver. (Volume reviewed in *American Antiquity* 54: 442 - 443).

1986 (first compiler, with W. D. Lipe, and A. E. Kane) *Anasazi Communities at Dolores: Early Small Settlements in the Canyon and Western Sagehen Flats Area*. (Also author of two chapters: Chapter 1: Introduction to the early small settlements in the Dolores River Canyon and the western Sagehen Flats area; and Chapter 2: The Grass Mesa Archaeological Locality Overview, 1980). USDI, Bureau of Reclamation, Denver. (Volume reviewed in *American Antiquity* 54: 442–443).

Translations

1984 The Pleistocene Ovobovinae of Western Europe: Temporo-Spatial Expansion and Paleoeological Implications, by Evelyne Crégut-Bonnoure. In *Proceedings of the First International Muskox Symposium*, edited by D. R. Klein, R. G. White, and S. Keller. Biological Papers of the University of Alaska Special Report 4:136–144. (from French).

Book Reviews, Comments, White Papers, Non-Peer Reviewed Articles, etc.

2026 Cultural Multilevel Selection in *The Great Holocene Transformation: What Complexity Science Tells us about the Evolution of Complex Societies* (GHT). *Clodynamics* (in press).

2023 Review of From House Societies to States: Early Political Organization from Antiquity to the Middle Ages, edited by Juan Carlos Moreno García. *Journal of Anthropological Research* 79(2):280-282.

2022 (first author, with Amy E. Thompson) The Global Dynamics of Inequality Project (GINI): A Progress Report on a New Model for Collaboration. *SAA Archaeological Record*, May pp. 19-23 (<https://mydigitalpublication.com/publication/?m=16146&i=748094&p=20&ver=html5>).

2019 Review of *Food Production in Native North America: An Archaeological Perspective*, by Kristen J. Gremillion. Washington, DC: Society for American Archaeology, 2018. *Journal of Anthropological Research* Winter 2019:595-597.

2018 Our Unfinished Agenda (What I Have Learned). *SAA Archaeological Record*, November pp. 37-42. [http://onlinedigeditions.com/publication/?i=542220#{"issue_id":542220,"page":0}](http://onlinedigeditions.com/publication/?i=542220#{).

2018 (eighth of 10 alphabetized authors: P. F. Biehl, S. Crate, M. Gardezi, L. Hamilton, S.L. Harlan, C. Hritz, B. Hubbell, T. A. Kohler, N. Peterson, J. Silva.) Innovative tools, methods, and analysis: Social science perspectives on climate change, part 3. Washington, DC: USGCRP Social Science

Coordinating Committee. <https://www.globalchange.gov/content/social-science-perspectives-climate-change-workshop>.

2016 (second author, with Kyle Bocinsky) Do prehistoric Pueblo populist revolutions presage American politics today? *The Conversation*, posted 6 April. <https://theconversation.com/do-prehistoric-pueblo-populist-revolutions-presage-american-politics-today-57098>.

2015 (first author, with Donna Glowacki and R. Kyle Bocinsky) Big-Picture Archaeology from the Village Ecodynamics Project. *Backdirt* [Annual Review of the Cotsen Institute of Archaeology at UCLA] December:12-19.

2015 Review of *Agent-Based Modeling and Simulation in Archaeology (Advances in Geographic Information Science)*, edited by Gabriel Wurzer, Kerstin Kowarik, and Hans Reschreiter. Springer-Verlag: Berlin (2014). *Journal of Artificial Societies and Social Simulation* 18(2): <http://jasss.soc.surrey.ac.uk/18/2/reviews/2.html>.

2015 Review of *From Prehistoric Villages to Cities: Settlement Aggregation and Community Transformation*, edited by Jennifer Birch. *American Antiquity* 80(1):210-211.

2014 Comment on “An Evolutionary Developmental Approach to Cultural Evolution” by Claes Andersson, Anton Törnberg, and Petter Törnberg, *Current Anthropology* 55(2):154-174. (Comment is pp. 165-166.)

2013 Modeling in Southwestern Archaeology. *NewsMAC* (Newsletter of the New Mexico Archeological Council) 2013-1:2-4.

2012 Comparative Archaeology: The Camel’s Nose? A Review of *The Comparative Archaeology of Complex Societies*, edited by Michael E. Smith (Cambridge University Press, 2012). *Clodynamics: the Journal of Theoretical and Mathematical History* 3:325-332. Available: <http://escholarship.org/uc/item/9wf9z7qk#page-1>

2012 Review of *Pueblo Peoples of the Pajarito Plateau: Archaeology and Efficiency*, by David Stuart (Albuquerque: University of New Mexico Press) in *New Mexico Historical Review* 87:363-364.

2009 *Advances in Complex Systems (ACS): Special Issue on Social Simulation*, Vol. 11, No. 2, 2008, edited by Frédéric Amblard and Wander Jager. World Scientific Publishing, London. In *JASSS (The Journal of Artificial Societies and Social Simulation)* 14(4), October (<http://jasss.soc.surrey.ac.uk/12/4/reviews/kohler.html>).

2008 Comment on Variable Development of Dryland Agriculture in Hawai’i: A Fine-Grained Chronology from the Kohala Field System, Hawai’i Island, by Thegn N. Ladefoged and Michael W. Graves. *Current Anthropology* 49:791-792.

2006 A Genetic and Cultural Odyssey: The Life and Work of L. Luca Cavalli-Sforza. *Washington State Magazine* 5(2):54.

1998 Time, Process, and Structured Transformation in Archaeology, edited by Sander van der Leeuw and James McGlade. *American Anthropologist* 100(3):9-10.

1997 Evolution of the Social Contract, by Brian Skyrms. *Complexity* 6:6.

1996 Simulating Societies: The Computer Simulation of Social Phenomena. *American Anthropologist* 98(2):17-18.

1996 (first author, with Lynne Sebastian) Population Aggregation in the Prehistoric North American Southwest (Comment). *American Antiquity* 61:597-602.

1992 Farmers, Hunters, and Colonists: Interaction between the Southwest and the Southern Plains, edited by K. A. Spielmann. *American Antiquity* 57:732-734.

1988 Anasazi Ruins of the Southwest in Color, by William M. Ferguson and Arthur H. Rohn. *The Kiva* 53:300-302.

1988 The Tombigbee Watershed in Southeastern Prehistory, by Ned J. Jenkins and Richard A. Krause. *American Antiquity* 53:436-437.

1987 Statistical Programs for the Macintosh. *Computer Assisted Anthropology News* 2(3):1-26.

1987 (second author, with G. Michael Johnson) Toward a Better Understanding of North Peninsular Gulf Coast Florida Prehistory: Archaeological Reconnaissance in Dixie County. *Florida Anthropologist* 40(4):275-286.

1984 Archaeological Investigations in Mill Valley, Crook County, Oregon, by Richard M. Pettigrew. *American Antiquity* 49:673-674. (Abstract)

1983 "Spiro Archaeology: The Plaza," by J. Daniel Rogers, Michael C. Moore, and Rusty Greaves. *Studies in Oklahoma's Past* 10, 1982. *Plains Anthropologist* 28(102).

1982 Data Bank Applications in Archaeology, Sylvia W. Gaines, editor. *American Antiquity* 47:452-453.

1980 (first author, with S. H. Schlanger) Surficial Estimation of Intrasite Patterning. *Contract Abstracts and CRM Archaeology* 2(1):29-32.

1980 The Social Dimension of Village Occupation at the McKeithen Site, North Florida. *Southeastern Archaeological Conference Bulletin* 22:5-11. Gainesville.

1979 Corn, Indians, and Spanish in North-central Florida. *Florida Anthropologist* 32(1):1-7.

1977 Cherokee Prehistory: The Pisgah Phase in the Appalachian Summit Region, by Roy S. Dickens, Jr. *Choice* 14:584.

1974 (second author, with E. Thomas Hemmings) The Lake Kanapaha Site in North-central Florida. *Bureau of Historic Sites and Properties Bulletin* 4:45-64. Tallahassee.

Reports

1995 Peer Review of Bandelier Archaeological Survey Final Report (draft, edited by R. P. Powers and J. D. Orcutt). Submitted to the Southwest Region, National Park Service, January. 31 pages.

1994 (second author, with David M. Gradwohl and Gary P. Smith) The Central and Northern Plains Overview: A Peer Review. Conducted on behalf of the Secretary of the Interior by the Departmental Consulting Archaeologist, NPS. February. 24 pp.

1986 (first author, with G. Michael Johnson) Dixie County Archaeological Reconnaissance, Winter 1985/86. Report submitted to the Bureau of Archaeological Research, Division of Archives, History, and Records Management, Tallahassee. 39 pages + appendices.

1979 Analysis of corncocks from the Baptizing Spring Site, Florida. Appendix C in Political and Economic Interactions between Spaniards and Indians: Archeological and Ethnohistorical perspectives on the mission system in Florida, by L. Jill Loucks, pp. 340–349. Unpublished Ph.D. dissertation, University of Florida, Gainesville.

1979 (first author, with T. P. des Jeans, C. Feiss, and D. E. Thompson) An Archeological Survey of Selected Areas of the Fort Benning Military Reservation, Alabama and Georgia, for the United States Army, Contract No. C-5716(78). 163 pages.

Press Coverage (selected, emphasizing recent)

May 12, 2005 One of two archaeologists interviewed on Seattle's NPR station KUOW in an hour-long talk show, "Conversations," in conjunction with the workshop hosted by UW's Quaternary Research Center entitled "Environmental Controls on the Collapse of Civilizations: Lessons for the 21st Century?"

Oct. 4, 2005: <http://www.pureinsight.org/node/3424>

Dec. 7, 2007: <http://science.sciencemag.org/content/318/5856/1540>

Summer 2009: <https://www.nps.gov/archeology/sites/npsites/MEVEmorefieldCanyon.htm>

Feb. 9, 2012: http://www.nimbios.org/press/TS_debate

March 26, 2012 In-depth radio interview on Colorado Public Radio's *Colorado Matters: Why They Left*, during the 10 am and 7 pm broadcast, available online at http://www.cpr.org/#load_article/Why_They_Left.

May 2, 2012: <http://www.resilience.org/stories/2012-05-02/how-learn-past>

June 30, 2014: <http://blogs.discovermagazine.com/d-brief/2014/06/30/ancient-southwest-baby-boom-offers-lesson-overpopulation/#.V1BkGFfCT8s>

June 2014: <http://www.heritagedaily.com/2014/06/baby-boom-in-north-american-history-between-500-to-1300-a-d/103858>

July 1, 2014: <http://www.sci-news.com/othersciences/anthropology/science-pre-columbian-native-americans-baby-boom-02032.html>

July 1, 2014: <http://www.latimes.com/science/sciencenow/la-sci-sn-ancient-native-baby-boom-southwest-20140701-story.html>

July 1, 2014: <http://indiancountrytodaymedianetwork.com/2014/07/01/ancient-native-baby-boom-reveals-lesson-over-population-155591>

July 2, 2014: <http://www.cbsnews.com/news/native-americans-had-a-precolonial-baby-boom-study-shows/>

July 9, 2014: <https://simulatingcomplexity.wordpress.com/2014/07/09/baby-boom-and-the-old-bailey-two-new-data-mining-studies/>

Aug. 4, 2014: <http://www.pasthorizonspr.com/index.php/archives/08/2014/four-decades-of-violence-in-12th-century-mesa-verde>

Aug. 4, 2014: <http://www.livescience.com/47181-ancient-southwest-had-ultraviolet-period.html>

August 12, 2015: <https://simulatingcomplexity.wordpress.com/2015/08/12/tim-kohler-the-nine-questions/>

Aug. 19, 2014: <http://westerndigs.org/epic-violence-in-the-ancient-southwest-offers-lessons-in-peace/>

Nov. 3, 2015: <http://www.nature.com/news/the-greatest-vanishing-act-in-prehistoric-america-1.18700>

March 28, 2016: Physicists at the Gate: Collaboration and Tribalism in Science, by Veronique Greenwood. In *UNDARK: Truth, Beauty, Science* (a magazine from MIT devoted to journalistic coverage of the sciences). <http://undark.org/article/collaboration-and-tribalism-in-science/>

March 31, 2016: http://www.santafenewmexican.com/life/features/from-drought-seeds-of-discontent/article_8de049ea-ea1f-53a6-8444-7ba3884dc508.html

April 1, 2016: <https://news.wsu.edu/2016/04/01/researchers-link-climate-changes-pueblo-social-disruption/>

April 1, 2016: <http://www.ibtimes.co.uk/social-collapse-ancient-pueblo-civilisation-linked-climate-change-1552706>

April 3, 2016: <http://www.newhistorian.com/ancestral-pueblo-hit-boom-bust/6229/>

April 4, 2016: <http://www.archaeology.org/news/4313-160404-culture-climate-transformation>

April 5, 2016: http://www.upi.com/Science_News/2016/04/01/Periods-of-boom-and-bust-just-part-of-life-in-the-ancient-Southwest/3441459539168/

April 6, 2016: <http://www.daily-times.com/story/life/outdoors/2016/04/06/study-climate-inequality-shaped-ancient-society/82657656/>

April 17, 2016: Study: Drought cracked Pueblos' social fabric. <http://www.durangoherald.com/article/20160417/NEWS02/160419667/-1/taxonomy/Study:-Drought-cracked-Pueblos'-social-fabric>

April 2016, Les Inconnus du Far West: Anasazis 700 à 1300, by Joséphine Bindé, in *Express* hors-série, www.lexpress.fr, pp. 144-150. (Combines an overview of VEP research with interviews with Steve Lekson, CU-Boulder, and me.)

July 19, 2016: interviewed in studios of NWPR by BBC World Service producers of “food and fertility” programme. Program aired xxxx.

December 20, 2016: <https://news.wsu.edu/2016/12/20/computer-models-find-ancient-solutions-modern-problems/#more-153309>

Spring 2017, *Washington State Magazine* 16(2):28-31. “Ends of Eras” article by Eric Sorensen features research by Kohler and Bocinsky.

External Faculty profile focusing on my involvement with SFI over the years, in *Matrix: The Newsletter for Santa Fe Institute Researchers*, Sept - Oct. 2017 issue.

Lots of coverage on the November 2017 *Nature* Letter: brief selection of highlights includes <http://www.sciencemag.org/news/2017/11/how-taming-cows-and-horses-sparked-inequality-across-ancient-world>; <https://www.nature.com/articles/d41586-017-06050-0>; <https://www.npr.org/sections/thesalt/2017/11/15/564376795/from-cattle-to-capital-how-agriculture-bred-ancient-inequality>; <https://www.researchgate.net/blog/post/archaeological-data-traces-origins-of-wealth-inequality>; <https://videnskab.dk/kultur-samfund/oldtidens-boligmarked-afsloerer-uligheden-i-europa-begyndte-for-11000-aar-siden> (Danish); https://urldefense.proofpoint.com/v2/url?u=http-3A__www.abc.es_ciencia_abci-2Dcaballos-2Dguerra-2Dy-2Dcerdos-2Dorigen-2Dprimeros-2Dricos-2Dy-2Dpobres-2Dhistoria-2D201711151859-5Fnoticia.html&d=DwIDaQ&c=C3yme8gMkxg_ihJNXS06ZyWk4EJm8LdrrvxQb-Je7sw&r=qLsp73e1lgzgX4Aw0bjkQ&m=f7mfeCTH9DsuAlmAr2e6jIJSPOeHKbjWOwkKoKPhlcQ&s=RmLO6WLTqwmHPgN926EyJ9thijfZXF12iwXGpUqP3MA&e= (Spanish); <https://www.scientificamerican.com/podcast/episode/ancient-one-percenters-were-beast-based/>; <https://www.economist.com/blogs/graphicdetail/2017/11/daily-chart-17>; <https://phys.org/news/2017-11-roots-inequality-millennia.html>; https://www.washingtonpost.com/news/speaking-of-science/wp/2017/11/15/long-before-hedge-funds-cattle-drove-inequality-study-says/?utm_term=.22091bd3504d; <https://www.salon.com/2017/12/02/can-capitalism-be-saved-robert-reichs-new-movie-isnt-quite-sure/>; <https://www.theguardian.com/inequality/2017/dec/05/how-neolithic-farming-sowed-the-seeds-of-modern-inequality-10000-years-ago>; <https://dailyeverygreen.com/22737/news/development-can-lead-to-wealth-disparity-study-finds/>; CNN public affairs program Fareed Zakaria GPS aired 12/10/17 <http://podcast.cnn.com/fareed-zakaria-gps/episode/all/fqqHi5j0pWNhyT/84a1sa.1-1.html>; Interview on the John Batchelor show: <https://audioboom.com/posts/6565173-origins-of-wealth-disparity-over-the-last-11-000-years-timothy-a-kohler-michael-e-smith-nature> <https://www.jsonline.com/story/money/columnists/tom-saler/2018/07/20/archeology-sheds-light-current-day-wealth-inequality/798472002/>

Extended interview on Sapiens podcast published 9/12/18: <https://www.sapiens.org/culture/teotwawki/>

Summer 2019: https://www.vice.com/en_us/article/nea93d/actually-humans-probably-will-survive-the-climate-crisis

Spring 2020: “Mesa Verde’s Lost Peoples” by Mikaela Ruland, in *Colorado: National Park Journal*, 2020, pp. 24-25.

<https://news.wsu.edu/press-release/2020/05/27/information-technology-played-key-role-growth-ancient-civilizations/>

Summer 2020: <https://www.washingtonpost.com/weather/2020/05/04/human-climate-niche/>
<https://www.acsh.org/news/2020/05/04/climate-and-niche-our-home-about-change-14759>
<https://www.smh.com.au/environment/climate-change/blown-away-safe-climate-niche-closing-fast-with-billions-at-risk-20200504-p54pod.html?fbclid=IwAR1j7Mk604zMNp5EtF5WwIeHA9ZcRqQJmliYX6SdPAhrFM1N8P2XZE8Q064>
<https://www.carnegiecouncil.org/studio/multimedia/20200601-future-human-climate-nice-tim-kohler-marten-scheffer>

More generally, on the *PNAS* Climate Niche paper: New York Times, Washington Post, USA Today, Guardian, Le Monde and Les Echos, India (front page of the Times of India), Australia (inc Sydney Morning Herald Poland), Spain (inc El Mundo), Germany (inc Die Zeit) - also Argentina and South Korea. There are even good pieces in the UK's Sun and Daily Mail - two papers that are traditionally borderline (or actively) climate-change denying.

Fall 2021: <https://www.science.org/content/article/how-one-society-rebounded-worst-year-be-alive>

Spring 2022: [What the UN Climate Report Predicts for NYC Gothamist](#)

Editorial Positions

Editorial Advisory Board, *American Antiquity*, 2009 - 2011.

Editorial Board, *Journal of Computer Applications in Archaeology*, 2017 - .

Editorial Board, *Structure & Dynamics* (e-journal: <http://repositories.cdlib.org/imbs/socdyn/sdeas/>), 2004 - , Cliodynamics

Editor, *American Antiquity*, 2000-2004.

Contributing Editor, *Journal of Archaeological Research*, 1993– 2006.

General Editor, *Reports of Investigations*, Department of Anthropology, WSU, 1989–1996.

Archaeology Editor, *Florida Journal of Anthropology*, Fall 1977–Spring 1978.

Associate Editor, *Florida Journal of Anthropology*, Fall 1976–Spring 1977.

Editor, New College student newspaper (then known as “Captain Nazz,” Fall 1970.

Major Archaeological Field Projects

Supervisor of the Community Center Survey in Mesa Verde National Park, summer 2009; crew member and indirect supervisor, summer 2011, 2012.

Indirect supervisor (as SPI of project) of the Community Center Survey, conducted by the Crow Canyon Archaeological Center in the central Mesa Verde region, summers 2003-2003 (direct supervisors, Mark Varien and Donna Glowacki).

Director of the Bandelier Archaeological Excavation Project, Phase I (mapping and sampling of four Puebloan sites, June 1988); Phase II (sampling excavation of Burnt Mesa Pueblo, Summer 1989, with WSU Field School); and Phase III (additional sampling at Burnt Mesa Pueblo and LA 3852, Summer 1990, again with WSU field school); and Phase IV (mapping and sampling of LA 3840), Summer 1991.

Principal Investigator for survey and development of a locational predictive model in the Tonasket District of the Okanogan National Forest, Washington, April 1986–May 1987; in the Winthrop and Twisp Districts, May 1987–March 1988.

Director of Archaeological Reconnaissance of Coastal Dixie County, Florida. Fieldwork, December 1985-January 1986; grant period Fall 1985–Summer 1986.

Principal Investigator, Center for Northwest Anthropology contract to the Bureau of Land Management for portions of a volume on predictive locational modeling of archaeological sites, Fall 1984–Winter 1985.

Co-Director and Co-Principal Investigator, WSU-Dolores Archaeological Program, Dolores, Colorado, June 1980–September 1983.

Locality Supervisor, WSU-Dolores Archaeological Program, Dolores, Colorado, June 1979–January 1980.

Director, Survey of portions of Fort Benning, Georgia, August–September 1978. Consultant to Remote Sensing Analysts, Tucker, Georgia. Contract to IAS–Atlanta.

Field Director, village excavations, McKeithen site, North Florida, June–August 1977; January–March 1977; and June–August 1978. (Research reported in dissertation.)

Field Director, sampling and mapping expeditions, Garden Patch site, Florida, Fall 1974. (Research reported in thesis.)

Field School under Charles H. Fairbanks, Georgia coastal Archaic site, March - June 1974.

Field foreman under E. Thomas Hemmings at Archaic period site in Alachua County, Florida, June 1973.

Student volunteer under Sylvain Gagnière in the Vieux Quartier de la Balance, Avignon, France (Chalcolithic), Fall 1969.

Consultancies, Short Courses, Etc.

2016 Co-led (with Gísli Pallson) a CCAC excursion to Iceland, Aug. 2-9.

1993–1994 Member of three-person peer-review team for the Legacy Demonstration Project, Central and Northern Plains Overview, empaneled by the Department Consulting Archaeologist, USDI, for the Department of Defense.

1985 Participant in U. S. Congressional Office of Technology Assessment workshop “Technologies for Preserving Archaeological Sites,” December, Washington, D.C.

1985 Consultant to Construction Engineering Research Lab (U.S. Army), Champaign, Illinois, July 15–19, on developing locational modeling systems for archaeological sites utilizing geographic information systems; January 1988 for reviewing resource management plans for military installations.

1985 Instructor at National Park Service “Workshop in Current Archeological Theory and Method: Predictive Modeling,” sponsored by Stephen T. Mather Training Center, Colorado State University, Fort Collins, Colorado, April.

1983–1985 Consultant to the Dolores Archaeological Program–University of Colorado.

Professional Organizations, Honorary Societies, Editorial Boards

Editorial Board, Springer-Verlag book series “Simulating the Past”

Editorial Board, *Journal of Computer Applications in Archaeology*, 2018-2020

American Association for the Advancement of Science (Fellow, 2007)

American Anthropological Association (life) (Archaeology and Evolutionary sections)

Society for American Archaeology

Register of Professional Archaeologists

Southeastern Archaeological Conference

Various state archaeological societies

Phi Beta Kappa & Sigma Xi

Major Intramural and Extramural Boards, Committees and other Service

2019 – 2020 & 2023 - 2024 Chair, SAA Task Force on Editor Search, *American Antiquity*.

2019 – Member, International Advisory Board, Cluster of Excellence “ROOTS — Social, Environmental, and Cultural Connectivity in Past Societies.” Christian-Albrechts-Universität zu Kiel, Germany.

2019 - 2023 Member, Board of Trustees, Crow Canyon Archaeological Center, Cortez, CO.

2019 - 2021 Review Panelist, NSF, Washington, D.C.

2017 - 2021 Invited member, Working Group II Lead Author for the Intergovernmental Panel on Climate Change Sixth Assessment Report (AR6), Meetings 1 to 5 May 2017, Addis Ababa, Ethiopia; January 2019, Durban, South Africa. (My participation funded by the USGCRP.)

Fall 2018–Spring 2019 Member, Provost’s Advisory Committee for Tenure and Promotion (WSU).

2018 Chair, AAA Archaeology Division’s A.V. Kidder Award committee.

2018-2019 Member, SAA Lifetime Achievement Award Committee.

2017-2019 Chair, SAA Task Force on Valuing Archaeology.

2017 Co-organizer (with David Wolpert, SFI) of a Santa Fe Institute Working Group on “Information Networks and the Evolution of Social Organizations,” August 28-30.

2017 Co-organizer (with Erin Thornton, WSU & Amy Bogaard, Oxford) of a Santa Fe Institute Working Group “Explaining Significant Household Gini Disparities between the Old and New Worlds in Prehistory,” August 23-25.

2017 Invited member, Working Group II Scoping Meeting for the Inter-Governmental Panel on Climate Change Sixth Assessment Report (AR6), 1 to 5 May, Addis Ababa, Ethiopia (my participation funded by the USGCRP. So far as I know, I’m the only archaeologist ever invited to contribute to the IPCC.)

2017 Invited participant, Social Science Perspectives on Climate Change, March 8-10, NASA Headquarters, Washington, DC (convenor: US Global Change Research Program).

2016-2020 Board of Directors, Moscow Food Coop (appointed to partial term, 2016; elected to 3-year term, 2017).

2009-present Board of Directors (and founding member who co-wrote the grants that established it) of Digital Antiquity, a multi-institution not-for-profit dedicated to preserving archaeological research products and making them widely accessible, located at ASU, Tempe.

2016-2018 Member, Advisory Board, Arctic Horizons (a project to re-vision the NSF Arctic Social Science program).

2015-2018 Member, SAA Committee on Climate Change and Archaeological Patrimony

2016 Applicant Reviewer for SFI Complex Systems Summer School in Santa Fe

2014-2017 WSU Provost's committee for evaluating nominations for Regent's Professor

2014-2015 Member, Executive Review Group for 120-Day Study on the WSU Research Enterprise, Sept. 2014 – Feb. 2015.

2014 Member, SAA Task Force to solicit and evaluate candidates for the next editorship of *American Antiquity*.

2013-2019 Distinguished Faculty Address Committee (WSU-wide, Senate appointee).

2013-2014 Faculty Graduate Coordinator, Archaeology (Departmental).

2012 - Member, CAS Strategic Planning Committee (College).

2012-2013 Invited Participant to NSF planning meetings on Grand Challenges in Archaeology, held at the Santa Fe Institute, 7/31-8/12, and at NSF in DC, 2/7-8/13.

2012 Review Panelist, NSF, Washington, D.C., January.

2011 Member, Boeing Distinguished Professorship Selection Committee, WSU CLA.

2011 Member, WSU Regent's Professors Committee to advise President and Provost on a Program Prioritization Process Under Financial Adversity, September-November.

2011 Review Panelist, NSF, National Harbor, Maryland, February.

2010 Member, Program Committee for the Satellite Meeting "Emergence, Path dependence and Transitions in Geographical Space" held in conjunction with ECCS'10 - European Conference on Complex Systems Lisbon, September 13-17.

2010 Member, Scientific Committee, MAPS2 Conference "Teaching of/with Agent-Based Models in the Social Sciences," Paris, France, April 8-9.

2009 Member, Scientific Committee, "Emergence in Geographical Space: Concepts, Methods and Models International Conference," Paris, France, 23-25 November.

2008-2010 Member, Faculty Hearing Committee Panel, Presidential appointment)

2008-2011 Member, Dean's Advisory Committee on Resource Allocation (DACRA) of the College of Liberal Arts, WSU, August 16, 2008-August 15, 2011. (Name changed to Faculty-Staff Budget Reduction Advisory Committee [FS:BRAC] in Spring 2010; Subcommittee Chair)

2004-2008; 2010-2011 Graduate Coordinator, Archaeology.

2008 Member, Scientific Committee, ABS2, Agent Based Spatial Simulation, International Workshop, November-December, Complex Systems Institute (ISC-PIF), Paris, France.

2008 Member, Search Committee for College of Liberal Arts Dean,.

2007-2010 Member, WSU Regents' Professor Nominating Committee; Chair, 2008-2009.

2007-2008 Co-chair, Special Task Force on Editorial Reporting, Society for American Archaeology.

2006-2008 Member, WSU's Ten-year Accreditation Self-Study committee on the Graduate Program portion of Standard Two-Educational Program and its Effectiveness.

2006-2007 & 2009-2010 Chair, search committee, tenure-track position in molecular anthropology (SBS & CLA), Fall 2006-Spring 2007; fall 2009-Spring 2010 (CLA only).

2006 Member (one of three), Kidder Award Committee of the American Anthropological Association, Archaeology Division, Fall.

2003-2006 Steering Committee, Center for Integrated Biotechnology, WSU (representing the College of Liberal Arts).

2004 – 2007; chair, 2006 – 2007 Member, President's Committee for Sahlin Faculty Excellence Award for Research, Scholarship, and the Arts.

2001-2004 Member, Dean's Advisory Committee on Resource Allocation, College of Liberal Arts.

2000 Chair, search committee, Associate Dean position, College of Liberal Arts, WSU, Fall.

2000-2001 Chair, search committee, tenure-track position in archaeology, Department of Anthropology.

2000 Chair, search committee, temporary physical anthropology position, Department of Anthropology, Spring.

1999-2000 Member of the Catalog Subcommittee of the Academic Affairs Committee and Graduate Studies Committee of the Faculty Senate.

1997-1998 Member of WSU College of Sciences Dean's Tenure & Promotion Committee (Physical Sciences).

1997 Participant in retreat for planning internal review of Santa Fe Institute, January.

1996 Participant in planning meeting on nonlinear dynamics in the behavioral and social sciences, November, Commission on Behavioral and Social Sciences and Education of the National Research Council (National Academy of Science), Washington.

1994-1998 Member of Advisory Board to *Universe*, periodic publication of the WSU Graduate School.

1994-1997 Chair, Publications Committee, Society for American Archaeology.

1993-1994 Member of WSU College of Liberal Arts Dean's Advisory Committee.

1993 Member of judges' panel for poster papers, 58th Annual Society for American Archaeology meeting, St. Louis.

1991-1993 Chair, SAA Annual Meeting Review Task Force for development of policies surrounding the annual meeting.

1992-1995 Member, WSU Multimedia Planning Committee and World Civilizations Faculty Committee.

1992 Chair, WSU Faculty Senate Election Subcommittee, Division of Humanities and Social Sciences.

1991 Program Chair, 56th Annual Meeting of the SAA, New Orleans, LA.

1998-1990 Scholarship Committee of Gamma Chapter (WSU) of Phi Beta Kappa; Eligibility Committee, 1995.

1989-1992 National Historic Landmarks Committee of the SAA.

1987-1988 Senator to WSU Faculty Senate from Anthropology.

1986-1990 Research Committee, Crow Canyon Archaeological Center.

1984-1986; 1988-1989; 1991-1992 Academic Steering Committee for Computing, WSU.

1983 - 1986 Faculty Senate Systems and Computing Committee, WSU; chair 1985-1986.

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1983-1986 & 1987-1988 Scientific Committee representative for WSU to the Washington Archaeological Research Center. Chair, Scientific Committee, WARC, 1987-1988.

1982-1990 Dean's Computer Advisory Committee, Humanities and Social Sciences Division, WSU; same position in College of Liberal Arts, 1996 - 2000.

Major Papers Delivered, Sessions Chaired, Service as Discussant, &c. († prestigious lectures)

† 2026 The Origins of Everything: Why We have to study Growth to Understand Inequality. BEE Lecture, University of Lausanne, Switzerland, April.

† 2026 Inequality's Foundations: How our Prehistoric Success Changed our Lives Forever. Lipe Visiting Scholar Lecture, Department of Anthropology, Washington State University, Pullman, April.

2025 Tracking the Relationship between Economic Growth & Wealth Inequality Thousands of Years Before Simon Kuznets. For workshop "Exploring the synergy between massive historical and archaeological databases for testing theories of social evolution," Complexity Science Hub, Vienna, November.

2025 (first author, with Scott Ortman, Dan Lawrence, Mattia Fochesato, and Amy Bogaard) Economic Inequality and Economic Growth at Regional Scales: What does Archaeology Say? Symposium paper, World Economic History Conference, Lund, Sweden, July.

2025 One Archaeologist's Perspective on Science and History. Invited paper, Workshop on "Science of History" organized by David Krakauer, Doug Erwin, Tony Eagan, and Kyle Harper, Santa Fe Institute, Santa Fe, June.

2024 Exploring Impacts of Catastrophic Climate Change on Older Adults. Invited paper presented in workshop "Climate Change and Aging" organized by the National Institute on Aging-supported Research Centers Collaborative Network. Seattle, November.

2024 World Prehistory of Wealth Inequality. Paper invited for international symposium "New insights on inequality and economic transformation – Revisiting the Kuznets Curve at 70." United Nations University—World Institute for Development Economics Research, Helsinki, Sept. 13.

† 2024 Capital Before Capitalism: The Long Prehistory of Wealth Inequality. Fred Wendorf Lecture, Southern Methodist University, Dallas, Oct. 11.

† 2024 10,000 Years of Inequality: The Archaeology of Wealth Differences. Linda S. Cordell Lecture, sponsored by SAR, delivered at the New Mexico History Museum, Santa Fe, April 27. <https://www.youtube.com/watch?v=DYDBq226N4k>.

† 2024 The Surprising New Story of Inequality in Prehistory. Shallitt Memorial Lecture, Brigham Young University, Provo, Utah, March 14.

2023 Explaining Variability in Wealth Inequality: Reflections from the Global Dynamics of Wealth Inequality (GINI) Project. In Symposium 184: Material Wealth? New Approaches to the Archaeology of Social Inequality and Complexity. September. EAA 2023, Belfast.

2023 (one of four presenters, with Bill Lipe, Ricky Lightfoot, and Mark Varien) How the Dolores Archaeological Program Shaped Research at Crow Canyon. Crow Canyon Webinar, July 6. Archived and viewable at <https://youtu.be/tP1EFLsDE6E>.

2023 Discussion. In Opening Session: Climate Change and the Transformation of Archaeological Practice. 88th Annual Meeting of the Society for American Archaeology, Portland, May.

2023 (first presenter, with Amy Bogaard) Summary of Results to Date in light of existing models for the Development of Wealth Inequality. Final paper in Symposium To Have and Have Not: A Progress Report on the Global Dynamics of Wealth Inequality (GINI) Project. 88th Annual Meeting of the Society for American Archaeology, Portland, May.

2023 Wealth Inequality in the Prehispanic Northern US Southwest: From Malthus to Tyche. Symposium, Department of Archaeology, University of Durham (UK), January 25.

2022 Notes on Recent Research in the US Southwest. Invited lecture, Emeritus Faculty, WSU, October 4.

† 2022 What Should an Archaeology for the 21st Century look like, and how did V. Gordon Childe Point the Way? Mulloy Lecture, Department of Anthropology, University of Wyoming, Laramie, April 15.

2022 (last of five authors, after Darcy Bird et al.) Climate, Maize, and Demography: A Case Study from the Southwestern United States. Society For American Archaeology, Chicago, April.

† 2021 Can We Identify Early Warning Signs of Collapse or Transformation in Social Systems? Some Affirmative Evidence from Pueblo Societies. Inaugural Presentation in Public Lecture Series by JMA Chairs, ROOTS Cluster of Excellence, Kiel, Germany, November 1.

2021 Presenter in Plenary 6 - Addressing emerging topics - how new insights and evolutions shape the future science and innovation agenda. In global (virtual) conference Innovate4Cities 2021, sponsored by the UN-Habitat and the Global Covenant of Mayors for Climate & Energy (GCoM). <https://www.youtube.com/watch?v=EOPmD0XZhsI&t=2s>. 13 October.

2021 Assessing Wealth Inequality via Ginis: A Worldwide Retro/Prospective. Paper in Symposium Agricultural Change and Social Inequality: Approaching Complexity. European Archaeological Association, 11 September.

2021 (first author, with Andrew Gillreath-Brown and R. Kyle Bocinsky) From Unconstrained to Density-dependent Growth: 900 years of Pueblo pre/history. In EAA Session #421: Demography in Archaeology beyond Boom and Bust? Critical Examination of Phases of Under- and Overpopulation. Kiel September 7, 2021.

- 2021 (first author, with Andrew Gillreath-Brown) Modeling ancient agricultural societies in the Upland US Southwest. In virtual TwoRains Conference (Cambridge), in session Modeling ancient agricultural societies. 22 June.
- 2021 Thinking Like an Archaeologist. Discovering Archaeology Webinar, Crow Canyon Archaeological Center, Cortez, CO, Feb. 11.
https://www.crowcanyon.org/resources/thinking_like_an_archaeologist/
- 2020 (third author, with Andrew Gillreath-Brown and R. Kyle Bocinsky) Southwestern United States Temperatures Reconstructed from Low- and High-frequency Data and the Implications for Maize Productivity. 48th International Computer Applications and Quantitative Methods in Archaeology, Session S25 “Paleoenvironments in Spatial Archaeological Modelling Applications.” Oxford, UK.
- 2019 Discussant, International Workshop “Early Civilizations from the Viewpoints of the Northeast Eurasian Prehistory: A New Perspective.” Research Institute for Humanities and Nature, Kyoto, November.
- 2019 “Making Archaeology Relevant: Three Examples (One Strategy).” 177th Seminar, Research Institute for Humanities and Nature, Kyoto, November.
- 2019 “Socio-Environmental Dynamics in the Prehispanic Pueblo Southwest: Climate Change, Conflict, and Inequality.” 174th Seminar, Research Institute for Humanities and Nature, Kyoto, September.
- 2019 Public lecture “How are Wealth Disparities and Violence Connected in the Pre-Columbian History of the Central Mesa Verde Area?” Four Corners Lecture Series, Cortez, Colorado, July.
- † 2019 Keynote [public] lecture “Inequality: The First Ten Thousand Years” for the 3rd Conference on Long-Run Development in Latin America and Beyond, organized by the London School of Economics, Stanford, and the Universidad de los Andes. Bogotá, Colombia, May 30-31.
- 2019 Discussant on Symposium “Celebrating Anna Kerttula’s Contributions to Northern Research.” 84th Annual Meeting of the Society for American Archaeology, Albuquerque, April.
- 2019 Discussant in Forum “Managing edited book volumes for publication.” 84th Annual Meeting of the Society for American Archaeology, Albuquerque, April.
- 2019 Discussant on Symposium “Global Perspectives on Climate-Human Population Dynamics during the Late Holocene.” 84th Annual Meeting of the Society for American Archaeology, Albuquerque, April.
- † 2019 Socio-Environmental Dynamics and the Creation of Landscapes. Keynote lecture for conference Socio-Environmental Dynamics over the Last 15,000 Years: The Creation of Landscapes VI, jointly organised by the [Graduate School 'Human Development in Landscapes'](#) and the [Collaborative Research Centre 1266 'Scales of Transformation'](#) at [Kiel University](#), 11-16 March.
- 2018 (second author, with Keith Kintigh, Bertram Ludäscher, Katherine Spielmann, and R. Kyle Bocinsky) Computational Tools Supporting Synthetic Research: Data Integration using tDAR and Delivering Paleoenvironmental Reconstructions with SKOPE. Symposium Paper, 24th Annual Meeting of the European Association of Archaeologists, Barcelona, September.
- 2018 (second author, with Joaquim Fort and Michael Blake) The spread of maize cultivation: quantitative analyses. Symposium paper, 24th Annual Meeting of the European Association of Archaeologists, Barcelona, September.

- 2018 (first author, with R. Kyle Bocinsky and Laura J. Ellyson) Explaining Three Increasingly Large Collapses in the Northern Pueblo Southwest. Invited paper in Conference Catastrophes in Context – Archaeological Perspectives. October 10-12, Aarhus University, Denmark.
- † 2018 More Data and More Computation but not Necessarily Less Theory: Assessing the Status and Near-Future Directions of Archaeology. In US-Serbia & West Balkan Data Science Workshop, Belgrade, Serbia Aug. 26-28. <https://core.tdar.org/document/447169/more-data-and-more-computation-but-not-necessarily-less-theory-assessing-the-status-and-near-future-directions-of-archaeology>.
- † 2018 Leader of Theme *Socio-Environmental Systems in Transition* in SESYNC conference entitled *Boundary Spanning: Advances in Socio-Environmental Systems Research*. Delivered “The Long View on Socio-Environmental Systems in Transition,” June, Annapolis. See and https://www.youtube.com/watch?v=7l_Cddh-krg and https://urldefense.proofpoint.com/v2/url?u=https-3A_www.youtube.com_watch-3Fv-3DqnpNH1PbV0M&d=DwMGaQ&c=C3yme8gMkxg_ihJNXS06ZyWk4EJm8LdrrvxQb-Je7sw&r=qLsp73e1lgzgX4Aw0bjkQ&m=sMofUmSVUdmqsbI7mFRUTdCMccBHJQVmYj0PaDJdriY&s=ZtO_v4fmmKjKdhf9OXvSn0ShdS3JCBsmlInTGUgikQ&e=.
- 2018 (first author, with R. Kyle Bocinsky, and Laura J. Ellyson) Tales from the Inequality Possibility Frontier: Equality, Production, Population and Climate in the Northern Pueblo Southwest. 18th UISPP, Paris, June.
- † 2018 Organizer, Moderator, and Discussant in President’s Opening Forum “What We Have Learned,” 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C., April.
- 2018 (second author, with Laura Ellyson and Catherine Cameron) Quantifying Inequality among Ancestral Pueblo Households. Contributed Paper, 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C., April.
- 2018 (fourth author, with Andrew Gillreath-Brown, Kyle Bocinsky, and Simon Goring) Paleotemperature Reconstructions of the Upland United States Southwest for the Last 2,000 Years. Poster, 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C., April.
- 2018 Discussant in Forum SKOPE: How we are Making Paleoenvironmental Data Useful and Accessible. 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C., April.
- 2018 A Complex Adaptive Systems Perspective on Historical Dynamics in the Northern Pueblo World, AD 600-1500: Lessons from the VEP. Invited symposium, Florida Museum of Natural History, Gainesville, March. Viewable: <http://idigbio.adobeconnect.com/pkbvtsye2fvw/>.
- 2018 (first author/presenter, with Laura Ellyson) Deriving Wealth Inequality from House-Size Distributions: Exploratory Applications from Archaeology. Invited seminar, School of Economic Sciences, WSU (jointly sponsored by WSU Anthropology), March.
- 2017 Pueblo Booms and Busts: Not Just the 13th Century Anymore! In Collapse! What Collapse? Societal adaptations to abrupt climate changes before global warming. Workshop at Yale October 20-22.
- † 2017 Putting Bandelier and Mesa Verde in their Places: Larger Contexts for Southwestern Research. In The Pre-Columbian Heritage of the National Park System, a one-day symposium sponsored by the Pre-Columbian Society of Washington, D.C. September.

- † 2017 Modeling past climate impacts on societies: How far can we extend methods developed and lessons learned in the upland US Southwest? Invited presentation, Lost and Future Worlds: Marine paleolandscapes and the historic impact of long-term climate change. Royal Society Theo Murphy conference, Chicheley Hall, Buckinghamshire, UK, May 15-16.
- † 2017 Modeling in the Village Ecodynamics Project (VEP): What We Did and What We Might Now Do Differently. One of three hour-long presentations in short course entitled *Modéliser des systèmes complexes en Archéologie : Retours d'expériences sur la modélisation des systèmes socio-environnementaux passés*, IDEX UCA Complex Systems Academy of Excellence, MSHS, Université de Nice, France, France, May 12.
- † 2017 What Archaeology can bring to the IPCC. Invited paper, Inter-Governmental Panel on Climate Change, Scoping Meeting for the 6th Assessment Report, Addis Ababa, May 1-5.
- 2017 Discussant, Symposium: Modeling People, Places, and Things: Revisiting Archaeology as Model-Based Science. SAA, Vancouver, B.C., March/April.
- 2017 Forum participant, What Good are Second-hand Digital Data? (Overview of DAP, VEP, and SKOPE resources preserved and made accessible in tDAR). SAA, Vancouver, B.C., March/April.
- 2017 “Moderator” (~discussant) at AAAS Symposium “Seeking Patterns of Resilience to Climate-Related Disasters,” Boston, February.
- 2017 Delivered summary of the VEP at a School of Advanced Research Workshop entitled “Fostering Synthesis in Archaeology,” Santa Fe, Feb. 9-13.
- 2017 Inequality: the Last 10,000 Years. Santa Fe Institute Seminar, 9 February. Available: <https://www.santafe.edu/research/resources/videos>. Slightly revised version also delivered as an Anthropology Colloquium, WSU, 2/3/17.
- 2016 (first author and presenter, with Tom McGovern) Complex Systems Approaches to the Past: North America and the North Atlantic. Invited paper, joint session of International Institute for Applied Systems Analysis (IIASA) and the Integrated History and future of People on Earth (IHOPE), Vienna, Austria, October.
- 2016 The NDT in the Southwest and its Long-term Consequences. Invited paper, UCLA, May.
- 2016 Co-organizer and co-chair (with Michael E. Smith) of symposium entitled “Measuring and Explaining Household Inequality in Antiquity: Inequality from the Bottom Up.” 81st Annual Meeting of the Society for American Archaeology, Orlando, April. (This symposium won the Amerind-SAA award and we were invited to reconvene at the Amerind in September 2016 to explore these topics more fully.) I presented introductory comments and a paper (first author, with Laura Ellyson) entitled “In and Out of Chains? The Changing Social Contract in the Pueblo Southwest, AD 600-1300.”
- 2016 Gini Coefficients and the Measurement of Inequality: An Introduction. Paper in symposium “Measuring and Explaining Household Inequality in Antiquity: Inequality from the Bottom Up.” 81st Annual Meeting of the Society for American Archaeology, Orlando, April.
- 2016 (one of six “discussants”) Debate: The Southwest in the World: A Discussion of Time, Distance, Politics, Science and History in Southwestern Prehistory. 81st Annual Meeting of the Society for American Archaeology, Orlando, April.

- 2016 (second author, with Laura Ellyson and R. Kyle Bocinsky) Evaluation of the Village Ecodynamics hunting and domestication models. Poster, 81st Annual Meeting of the Society for American Archaeology, Orlando, April.
- 2016 Panelist, "Integrating Past, Present, and Future Human Ecodynamics in Arctic Social Science Research," NSF-sponsored Arctic Horizons Workshop, PSU, Portland, February.
- 2015 Co-Chaired, with Song Jian (Shanghai Museum) session at the Second Shanghai Archaeology Forum, Shanghai University, Shanghai, December.
- 2015 Crises as Opportunities for Culture Change. Invited paper, international symposium "Crisis to Collapse: The Archaeology of Societal Breakdown," October, Louvain-la-Neuve, Belgium.
- 2015 (third author, with S. Crabtree and R. K. Bocinsky) Hierarchies, Coalitions, Alliances and Conflict in the Ancestral Pueblo World. Symposium paper, 80th Annual Meeting of the Society for American Archaeology, San Francisco, April.
- 2015 (third author of nine authors, after R. K. Bocinsky and K. W. Kintigh) Toward effective cyber-infrastructure support of socio-environmental research. Poster in Symposium, 80th Annual Meeting of the Society for American Archaeology, San Francisco, April.
- 2015 (second author, with Kelsey M. Reese) Agency of Access: Public Architecture in Mesa Verde National Park. Symposium paper, 80th Annual Meeting of the Society for American Archaeology, San Francisco, April.
- † 2015 (Distinctive Voices Series; invited) Prehispanic Pueblo Societies AD 600-1600: The Big Picture from the Village Ecodynamics Project. Beckman Center of the NAS, UC-Irvine, February.
- † 2015 (AIA Lecture Program, Orange County Society; invited) Modeling and Empirical Research Shed Light on the Entwined Histories of Climate, Production, Population, and Violence in the northern Southwest, AD 600-1600. DeNault Auditorium, Concordia University, Irvine, CA, February.
- 2014 (second author, with Keith Kintigh and Bertram Ludaescher) Introducing SKOPE: Synthesized Knowledge of Past Environments. NABO/GHEA/CYBER Workshop, December, University of Maryland, College Park.
- 2014 (third author, with S. Crabtree, and R. K. Bocinsky) Modeling Emergence of Complex Groups on Realistic Landscapes. Paper in Symposium "Principles of Complexity: Life, Scale, and Civilization III." Santa Fe Institute, August.
- 2014 Three-hour lecture on "Reconstructing past dynamics coupling spatio-temporal data analysis and agent-based modeling" for the International Summer School on Spatial Structures and Dynamics: Methods and tools for exploring spatial systems, sponsored by the Laboratoire d'Excellence Dynamiques Territoriale et Spatiales (LabExDynamite, Florence, IT, July.
- 2014 (first chair, with Margaret Nelson) Global Human Ecodynamics Alliance Modeling. Working Group, Santa Fe Institute, May 30-31. (Also delivered a paper, first author with Stefani Crabtree and Kyle Bocinsky, on "Emergence of Leadership in Pueblo Societies: Evolutionary Public Goods Games and Corporate Group Conflict in Agent-Based Models").
- 2014 (second chair, with Margaret Nelson) Social Change in the Context of Climate Challenges: Issues in Coupled Natural Human Systems. Working Group, Santa Fe Institute, May 27-29.

- 2014 Social Groups in the Prehispanic Pueblo Southwest: Three Scales, Three Studies. University of New Mexico Department of Anthropology Colloquium series, Albuquerque. February.
- 2014 (first author, with Kyle Bocinsky and Kelsey Reese) A 2000-year Perspective on People and Climate Change in the Neolithic US Southwest. Symposium paper, AAAS meetings, Chicago, February.
- 2014 Growing Culture Areas, Communities, and perhaps Politics in the Later Prehistory of the Northern Southwest (USA). Hour-long presentation at the Séminaire de l'équipe DYNAPP, Dynamiques des Peuplements et des Paysages, MSHS-Sud Est, Campus Saint-Jean d'Angély 3, Nice, France.
- 2013 (first author, with Kyle Bocinsky, Stefani Crabtree, Andrew Hlynka, Lokesh Patil, Paul Hooper, and Ziad Kobti) Leadership, Territoriality and Conflict in An Agentized Pueblo World. Symposium paper, 112th Annual Meeting of the AAA, Chicago, November.
- † 2013 The Village Ecodynamics Project: Pueblo Societies Through Time in the US Southwest. Honored Presentation at the Inaugural Shanghai Archaeology Forum, sponsored by the Institute of Archaeology of the Chinese Academy of Social Sciences, Beijing, August. (Invited)
- 2013 Three presentations at VEP Public Forum, Crow Canyon (about 80 people in attendance): Introduction to the VEP: History, Goals, Progress, and some Big Picture Context (first author, with Mark Varien); Using Simulation to Help Think about the Rise of Leadership (first author, with Kyle Bocinsky); and Population Dynamics and Warfare in the CMV and NRG (third author, with Katie Grundtisch and Sarah Cole). July.
- 2013 Attended three meetings sponsored by various combinations of NABO/GHEA/LTVTP over the course of a week, all in or near Akureyri in northern Iceland. Gave a presentation on "Overview of current progress in Agent Based Modeling and Climate Mapping," July 10.
- 2013 20 hours of lecture and workshops at the Université de Franche-Comté, Besançon, France, May 15-June 15, overviewing southwestern archaeology, the modeling results to date of the VEP, and approaches to agent-based modeling in archaeology. Also attached to ANR-funded project TransMonDyn and participated in field trip and symposium on this research in early June while in France.
- 2013 Impact des anomalies climatiques et du "Petit Age Glacière" sur les sociétés agraires d'Amérique du Nord. Invited séminaire transversal Chrono-Environnement / MSHE, Besançon, May.
- 2013 Participant in Forum "Reconnecting the Past: The Future of Social Network Analysis in Archaeology." 78th Annual Meeting of the Society for American Archaeology, Honolulu, April.
- 2013 (first author, with Stefani A. Crabtree, Michael S. Berry, Jeffrey S. Dean, R. Kyle Bocinsky, and Rebecca Higgins) Spatial Genealogies: Secrets of the Southwest Solved by Walkative Tree Rings. Symposium paper, 78th Annual Meeting of the Society for American Archaeology, Honolulu, April.
- 2013 (3rd author, with K. Grundtisch, S. Ortman, and C. Fitzpatrick) Population Dynamics and Warfare in the Northern Rio Grande Region. Contributed paper, 78th Annual Meeting of the Society for American Archaeology, Honolulu, April.
- 2013 Using Agent-Based Modeling to study Robustness and Evolvability in the northern US Southwest. GHEA/EPSCoR workshop, Girdwood, Alaska, February 22.

- 2012 Adding Value to Realistic Models by Making them Test-beds for General Models. 4^{ème} Séminaire de TransMonDyn, La Baume, Aix-en-Provence, France, November.
- 2012 Overview of Village Ecodynamics Project Modeling and Simulation. Comparative Ecodynamics in the Aleutians and Kuril Islands Workshop, University of Washington, Seattle, November.
- 2012 Invited presentation on IPEM in conference “Developing and Sustaining Interdisciplinary Graduate Programs” as part of a panel entitled “Putting together your team and working with administrators.” Coeur d’Alene, ID, October 7-8.
- † 2012 Invited Colloquium, Overview of Village Ecodynamics Project Modeling and Simulation. Institute of Archaeology and Museology, Faculty of Arts, Masaryk University, Brno, Czech Republic, May.
- † 2012 Keynote Address, 10 Lessons from 20 Years in Building a Complexity-Informed Archaeology, Annual Science Board Symposium, Santa Fe Institute, May. (Video available at <http://www.santafe.edu/research/videos/catalog/>)
- 2012 Discussant, Socionatural Systems in the Northern U.S. Southwest: A Village Ecodynamics Project II Progress Report. Symposium, Society for American Archaeology meetings, Memphis, April.
- 2012 (first author, with Kyle Bocinsky) Highly Variable Temperatures in the Northern Hemisphere over the Last Two Millennia: Reconstructions and Possible Effects on Native American Agricultural Systems. Symposium paper, Society for American Archaeology meetings, Memphis, April. (Also organizer of symposium.)
- 2012 (second author, with Kyle Bocinsky) Suboptimal Foraging Theory (It’s the Best). Symposium paper, Society for American Archaeology meetings, Memphis, April.
- 2012 (eighth author, with Kelsey Reese, R. Kyle Bocinsky, Kay Barnett, Stefani Crabtree, Elise Alonzi, Andrew Steier, and Donna Glowacki) Large, Aggregated Villages in Little Soda Canyon. Poster, Society for American Archaeology meetings, Memphis, April.
- 2012 Prehistory of the Pueblo Peoples: How We Learn and What We Know. Southwest Seminar, Santa Fe, February.
- 2012 (first author, with Kelsey Reese) Revisiting the Neolithic Demographic Transition in the North American Southwest. Invited Paper, Southwest Seminar, UNM, Albuquerque, January.
- 2012 (third author, with Stefani Crabtree and Lydia Smith) Trophic Interconnectedness in Southwestern Colorado: Studying Archaeological Food Webs in Ancestral Puebloan Society (Poster). AAAS Meeting, Vancouver, February. (First place, student poster competition, social sciences category.)
- 2012 (first author, with Denton Cockburn) Four Big Facts to be Explained in any Model for Increasing Social Complexity in Neolithic Societies: A View from the US Southwest. NIMBioS (National Institute for Mathematical and Biological Synthesis)-NESCent Investigative Workshop: Towards a formal theory for the evolution of human social complexity, Modeling Social Complexity, Knoxville, TN February.
- 2011 (second author, with Donna Glowacki, Kay Barnett, R. Kyle Bocinsky, Stefani Crabtree, Kelsey Reese, Elise Alonzi, and Andrew Steier) Large Villages in Upper Soda Canyon: an update on VEP fieldwork. Pecos Conference, August 11-14, Kaibab Plateau, Arizona.

† 2011 Washington State University's Distinguished Faculty Address, March. Title: Prehistory of the Pueblo Peoples—How we learn and what we know. Aired on Northwest Public Television 5-11-11.

2011 (second author, with R. Kyle Bocinsky) Toward [Re]Constructing An Archaeological Legacy of Hunting On the Colorado Plateau. Symposium Paper, "Lasting Legacies and Changing Tides in Human Behavioral Ecology," 110th Annual Meeting of the American Anthropological Society, Montreal, Canada, November.

2011 Understanding Settlement Responses to Low- and High-Frequency Climate Variability in SW Colorado. Symposium Paper, 76th Annual Meeting of the Society for American Archaeology, Sacramento, March/April.

2011 (fourth author, with Mark Varien, Paul Ermigiotti, and Scott Ortman) Estimating Maize Farming Productivity in the Mesa Verde Region: Computer Models and Experimental Gardens. Symposium Paper, 76th Annual Meeting of the Society for American Archaeology, Sacramento, March/April.

2011 (fourth author, with Stefani Crabtree, Denton Cockburn, and Ziad Kobti) Archaeology Time Machine: Witnessing Social Interactions on the Pueblo Landscape through Agent-based Simulation. Symposium Paper, 76th Annual Meeting of the Society for American Archaeology, Sacramento, March/April.

2011 Forum member, "Using the Digital Archaeological Record (tDAR) for Management and Research," 76th Annual Meeting of the Society for American Archaeology, Sacramento, March/April.

2011 (first author, with Kyle Bocinsky, Stefani Crabtree, and Denton Cockburn) The Village Ecodynamics Project: Modeling the Deep Pueblo Past. Paper in Symposium "Modeling Across Millennia: Interdisciplinary Paths to Ancient Socionatural Systems." 177th AAAS Annual Meeting, Washington, D.C., February.

2011 Séminaire-discussion sur les Indiens Pueblos. Université de Franche-Comté, Besançon, France, January. (2.5-hour presentation/discussion with graduate students and faculty.)

2011 Scales and Levels of Analysis in the Study of Human Societies over the Long-Term: Simulating Group Formation in Eastern US Southwest Prehistory. Paper invited to "Les 20e Rencontres de Rochebrune," January, France (near Mègeve).

2011 Continuities, Discontinuities, and Adaptation in Early Neolithic Societies: the Pueblo Case. Invited Paper for Symposium "Discontinuities And Continuities: Theories, Methods and Proxies for an Historical and Sociological Approach to the Evolution of Past Societies." 26-28 January, Nanterre, France.

2010 Model-Based Archaeology: Coupled Natural/Human Systems and the Evolution of Leadership in the Prehispanic Pueblo Region. Invited Colloquium, Department of Anthropology, University of Georgia, Athens, November.

2010 (fourth author, after Kristin N. Safi, Ben Ford, and Denton Cockburn) Cultural Transmission, Resource Strategy, and Migration During the Neolithic Demographic Transition in the Prehistoric American Southwest. Poster, 109th Annual Meeting of the American Anthropological Association, New Orleans, November.

2010 (second author, with Stefani Crabtree) Alliance Formation and Breakdown: Networks in the Village Ecodynamics Project. 109th Annual Meeting of the American Anthropological Association, New Orleans, November.

- 2010 Bridging the Disciplinary Divide: The IGERT Experience. Panel presentation in conference Enhancing Communication in Cross-Disciplinary Research, Sept 30-Oct 2, Coeur d'Alene, ID.
- 2010 (first author, with Denton Cockburn) Groups in Eastern US Southwest Prehistory: Evidence, Bases for Social Construction, and Agent-based Models. Invited presentation in conference entitled Cultural Evolution in Structured Populations, 13-15 September, UCL (CECD), London, UK.
- 2010 Systèmes Multi-Agent (SMA) pour Générer et Comprendre une “Archéologie en Mouvement.” In Conference L’Archéologie en Mouvement: Hommes, Objets, Espaces et Temporalités. InSHS/CNRS, Paris, June. Available on-line at <http://webcast.in2p3.fr/2010/archeomouv/index.php?video=kohler.ram>.
- 2010 (third author, with Denton Cockburn and Ziad Kobti) A Reinforcement Learning Model for Economic Agent Specialization. Paper presented at the 23rd Florida Artificial Intelligence Research Society Conference (FLAIRS-23), May 19-21, Daytona Beach, Florida.
- 2010 Making Use of the Strengths of Southwest Archaeology to Understand Social Construction Processes. Paper in Symposium “Whither Southwest Archaeology?” 75th Annual Meeting of the Society for American Archaeology, St. Louis, April. (Also organizer of session.)
- 2010 (second author, with Stefani Crabtree) Modeling or Simulation? Assessing settlement patterns—real and modeled—in the VEP world. Symposium paper in “The Village Ecodynamics Project II”, organized by Kyle Bocinsky and Scott Ortman. 75th Anniversary Meeting of the Society for American Archaeology, St. Louis, April.
- 2010 (fifth author, after Laura DeFrank, Nathan Goodale, Fumiyasu Arakawa, Brian Connolly) A Breadcrumb Trail: Using Projectile Point Variation to Address Migration. Paper presented in the symposium, “The Village Ecodynamics Project II,” 75th Annual Meeting of the Society for American Archaeology, St. Louis, MO.
- 2010 Discussant on symposium “The Village Ecodynamics Project II”, organized by Kyle Bocinsky and Scott Ortman. 75th Anniversary Meeting of the Society for American Archaeology, St. Louis, April.
- 2010 Agent-based Modeling of Human Subsistence and Settlement Systems: The Past and Future of the Village Ecodynamics Project (Or, Can We Test Adaptationism in the Archaeological Settlement Record?). Palouse Evolution, Ecology, Systems (PEES) Meeting, Pullman, WA, February.
- † 2009 The Role of Climate Change in Culture Change and Migration: The Pueblo Case. Invited lecture in conference “On Climates And Humans: Climatology, Archaeology and History,” international conference organized by Météo-France, the Institut National de Recherches Archéologiques Préventives, and the Cité des Sciences et de l’industrie. Paris, November 19-21.
- 2009 Models, Visualization, and Digital Resources: The Village Ecodynamics Project in the US Southwest. Invited paper in NSF-sponsored conference “Global Human Long-Term Ecodynamics Conference,” Eagle Hill, Maine, October. (Also arranged to get graduate student Kyle Bocinsky invited to conference.)
- † 2009 Generative Archaeology: How Even Really Simple Models can Help us Understand the Past. Plenary address, European Social Simulation Association, Guildford, England, September 15.

- 2009 Position paper on Socioenvironmental Dynamics (and co-convenor of the session, with Denise Pumain) in workshop entitled “ANR-NSF Meeting on Dynamics in the Human Sciences: Cognitive, Behavioral & Social Complexity,” Reims, France, April.
- † 2009 Model-Based Archaeology: An Invitation to Interdisciplinarity. Paper in opening plenary symposium, “Archaeology Beyond Archaeology,” 2009 Annual Meeting, Society for American Archaeology, Atlanta, GA, April.
- 2009 Discussant in Symposium, “Evolutionary Dynamics of Cooperation,” 2009 Annual Meeting, Society for American Archaeology, Atlanta, GA, April.
- 2009 How Climatic Variability, Big Game Depression, and Exchange Interact in the Formation and Dissolution of Pueblo Villages and Communities. In symposium “Complexity in Human-Nature Interactions across Landscapes” sponsored by the International Network of Research on Coupled Human and Natural Systems (<http://www.chans-net.org/default.aspx>) Snowbird, Utah, April. (Available at <http://www.chans-net.org/Resource/Media/Kohler/index.htm>).
- 2009 (fourth author, with W. Fredrick Limp, Jeff Altschul, Keith Kintigh, Julian Richards, and Dean Snow) The role of technical, operational and conceptual specifications in the development of digital archaeological archives: the Digital Antiquity initiative. CAA 2009, Williamsburg, Virginia, March.
- 2008 Prehispanic Southwest Farmers: From Real to Virtual (and Back). Informal invited talk on the occasion of being honored at the College of Liberal Arts Authors’ Recognition ceremony, Dec. 11. (Introduced by Bill Lipe.)
- 2008 Overview of Modeling Efforts in the Village Ecodynamics Project. IPeM Seminar (originating at WSU-Pullman and broadcast via AMS to UW-Seattle and WSU-Vancouver), October.
- † 2008 Models of Pueblo Prehistory. Invited lecture, Archaeological Research Facility, University of California-Berkeley, April (in honor of founding of the Center for Environmental Archaeology).
- † 2008 Agent-Based Modeling and its Application to Prehispanic Settlement Ecodynamics in the Central Mesa Verde Region. Invited presentation at the CNRS-funded conference “7 millennia of territorial dynamics: settlement pattern, production and trade from the Neolithic to the Middle Ages,” Dijon (France) June 23-25.
- 2008 (first author, with Ziad Kobti) Population Size, Exchange Networks and the Neolithic Demographic Transition in the US Southwest. Invited paper in symposium “Parallel Worlds: Interdisciplinary Agent-Based Models of Socioecological Processes and Complexity,” Society for American Archaeology, Vancouver, B.C., March. (Also first organizer of symposium.)
- † 2008 Deer, Maize, and Cycles of Settlement in the Pueblo Archaeological Record. Invited public lecture in Museum of Archaeology and Anthropology, University of Pennsylvania, Philadelphia, Feb. 2.
- 2008 (first author, with Charles Reed) Explaining the Structure and Timing of Formation of Pueblo I Villages. Paper presenting at the conference “Forces of Nature: Environmental Risk and Resilience as Long-term Factors of Cultural Change.” Museum of Archaeology and Anthropology, University of Pennsylvania, Philadelphia, Jan. 30 – Feb. 1.
- 2007 Testing Optimality in Site Location in the Archaeological Record: Local Examination of a Global Question. Invited paper for Panel “Computational Models in Anthropology: What are they good for, and why should you care?” 106th Annual Meeting of the American Anthropological Association, Nov 28 - Dec 2, Washington, D.C.

2007 “Agent-based Modeling in Archaeology.” Lecture in school “Agent Based Models for Spatial Systems in Social Sciences & Economic Science with Heterogeneous Interacting Agents (ABM–S4–ESHIA) Agelonde, La Londe les Maures (var, France), September 17-22. [CNRS-funded school to introduce Ph.D. students, young researchers and senior researchers to the art of modeling Spatial Systems and/or Heterogeneous Interacting Agents by means of Agent-Based models.]

2007 “Reflecting on P I 25 Years after the DAP.” Early Pueblo World conference, Towaoc, CO, August.

† 2007 (invited keynote speaker) “The Making of a Catastrophe: How Agent-Based Modeling is Helping Archaeologists Unravel the Last Century of Farming Occupation in the Northern US Southwest.” Swarmfest 2007 (11th international meeting of agent-based modelers and users of Swarm and other ABM platforms). DePaul University, Chicago, June.

2007 (invited) Discussant at symposium “The Land Conveyance and Transfer Project: A Window into the Past” organized by Brad Vierra. 72nd Annual Meeting of the Society for American Archaeology, Austin, April.

2007 (invited; second author, with C. David Johnson) Simulating Long-term Human Ecodynamics: Modeling Dynamic Production and Use of Critical Natural Resources. In symposium “Agent-based Models as Computational Tools for Building Archaeological Inference,” 35th Annual Meeting of Computer Applications and Quantitative Methods in Archaeology, Berlin, Germany, April 3.

2007 (first author, with C. David Johnson) A New Paleoproductivity Reconstruction for Southwestern Colorado, and its Implications. In symposium “New Light on the Thirteenth-Century Depopulation of the Northern US Southwest,” (also chair of symposium), 72nd Annual Meeting of the Society for American Archaeology, Austin, April.

2007 (invited) Agent-Based and Systems-level Models for Settlement and Subsistence in Prehistoric Southwestern Colorado. Joint UI-WSU Statistics Colloquium, WSU, March.

2007 (invited) New Light on the Ancient Southwest from Agent-Based and Systems-Level Models. Smithsonian Institution, Carolyn Rose Seminar Room at the Natural History Building, Feb. 9. Washington, D.C.

2006 (invited; first author, with Matt Glaude) The Timing and Nature of the Neolithic Demographic Transition in the North American Southwest. Symposium paper for “The Neolithic Demographic Transition and its Consequences.” December, Harvard University Center for the Environment, Cambridge.

2006 (invited; first author, with Mark Varien) Model-Based Perspectives on 700 Years of Farming Settlements In Southwest Colorado. Amerind Foundation Advanced Seminar, “Early Village Society In Global Perspective.” November, Dragoon, Arizona.

2006 (invited) Public Architecture and Power in Precolumbian North America. Symposium Paper (symposium in honor of J. T. Milanich), Southeastern Archaeological Conference, Little Rock, AR, November.

2006 (invited) The Village Ecodynamics Project. Fourth Annual Center for Integrated Biotechnology Retreat. Moscow, ID. September.

- 2006 (invited) SWARMing Mesa Verde: What we are Learning through the Village Ecodynamics Project. Paper at Conference “A Century of Archaeological Research at Mesa Verde National Park,” Towaoc, Colorado, May.
- 2006 (Forum Participant) Contemporary Relevance of Archaeological Research. 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, April.
- 2006 (Invited paper; first author, with Mark Varien) A Scale Model of 700 years of Farming Settlements in Southwest Colorado. Paper in Symposium “Early Village Society in Global Perspective.” 71st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, April.
- 2006 (Invited) Agent-Based and Systems-Level Models for the A.D. 1280s Southwest Collapse. Departments of Anthropology and Environmental Science, Yale University, New Haven. March.
- 2006 (Invited) The Bandelier Archaeological Excavation Project: A Look Back and a Look Ahead. Museum of Indian Arts & Culture, Santa Fe, sponsored by the Friends of Anthropology. February.
- † 2005 (Invited) How Agent-Based Simulation Creates a Frame of Reference for Understanding Cycles of Growth and Collapse in the Northern Southwest. Plenary Address, 38th Annual Chacmool Archaeological Conference, Calgary, AB. November.
- 2005 (Invited) Using Agent-based and Systems Models Together to Understand the Prehistory of the Northern Southwest. Department of Anthropology, University of British Columbia, Vancouver, B.C. October 28.
- 2005 (Invited) (first author and presenter, with Sarah Cole and Stanca Ciupe) Population Growth and Sociopolitical Instability in Puebloan Societies: How Data and Agent-based Models Inform Systems-Level Dynamic Models. Invited paper for International Conference “Pattern and Process in Cultural Evolution,” CEACB, UCL September.
- 2005 Can War Spawn People? Attempts to test the Turchin/Korotayev model for warfare in pre-state societies. Symposium, Santa Fe Institute, September.
- 2005 (Invited) Discussant on Symposium “Current Research on The Pajarito Plateau and Valles Caldera” at 78th Pecos Conference, Los Alamos, NM, August.
- 2005 Uncertainties Associated with Modeling at Mesa Verde National Park. Invited Paper at USGS workshop “The Interface Between Science and Public Policy: Dealing with Uncertainty.” Table Mountain Inn, Golden, CO, July.
- 2005 (Invited) On Multiple Fronts: The Ecosystemics of the 13th-Century Northern San Juan Depopulation. Invited Paper in workshop “Environmental Controls on the Collapse of Civilizations: Lessons for the 21st Century?” Quaternary Research Center, University of Washington, Seattle, May. (Also hour-long radio interview with symposium organizer on KUOW, Seattle public radio station’s “Conversations” program, in conjunction with meeting.)
- 2005 (third author, with Z. Kobti and R. G. Reynolds) The Emergence of Complex Hierarchical Hub Social Network in the Mesa Verde Village Simulation Using Cultural Learning. The 18th International FLAIRS Conference, Clearwater Beach, Florida, May 16-18.
- 2005 (Invited) (first author, with C. David Johnson) “Village”: Ecodynamics of Prehispanic Northern San Juan Region Cultures. Paper in symposium “Theoretical & Methodological Requirements of

Archaeological Simulation.” 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, March.

2005 (Invited) Time of Deer & Piñon, Turkey & Corn, Cotton & Obsidian (Or, 4 Seasons of Excavation and 10 Years of Analysis in 15 Minutes). Public Lecture on archaeology of Bandelier National Monument in Salt Lake City Public Library in conjunction with the 70th Annual Meeting of the Society for American Archaeology, co-sponsored by the National Park Service and the Utah Museum of Natural History. March. (Approx attendance, 150).

2005 (second author, with C. David Johnson) Modeling Long-term Human Ecology: Simulating Prehistoric Settlement in the Upland Southwest. Poster, 70th Annual Meeting of the Society for American Archaeology, Salt Lake City, March.

2004 Co-organizer and chair of international workshop at Santa Fe Institute entitled “Modeling Long-Term Culture Change” and presenter of paper co-authored with C. David Johnson entitled “Dynamic Deterministic Resource-Based Models for Puebloan Settlement.” Santa Fe, NM, Oct. 24-27.

2004 Co-organizer and presenter of three papers at all-day symposium on “The Village Project” at the Anasazi Heritage Center (results of NSF-sponsored project presented to regional land managers and archaeologists). Dolores, Colorado, October 22.

2004 (third author, with Robert Reynolds and Ziad Kobti) The Emergence of Social Complexity in Mesa Verde Using Cultural Learning in the Presence of Balanced and Reciprocal Exchange Networks. Paper presented at the Agent 2004 conference: Interaction, Reflexivity, and Emergence. Chicago, October.

2004 (invited) Artificial and Real Prehistoric Worlds: Three Uses for Agent-Based Modeling in Archaeology. Public presentation before the Slovenian Academy of Sciences and whoever else wanted to attend (advertised in newspaper), linked with the Santa Fe Institute & Research Center of the Slovenian Academy of Sciences-sponsored workshop “The dynamics of groups and institutions: their emergence, co-evolution, and environment,” Ljubljana, Slovenia. June.

2004 (invited) The Role of Population and Network Size in Transitions between forms of Social Organization. Paper presented at a workshop sponsored by the Santa Fe Institute & Research Center of the Slovenian Academy of Sciences entitled “The dynamics of groups and institutions: their emergence, co-evolution, and environment,” Brdo pri Kranju, Slovenia. June.

2004 (third author, with Robert Reynolds and Ziad Kobti) The Effect of Kinship Cooperation Learning Strategy and Culture on the Resilience of Social Systems in the Village Multi-Agent Simulation. Paper presented at the 2004 Congress on Evolutionary Computation, Portland, June.

2004 (third author, with Ziad Kobti and Robert G. Reynolds) Agent-Based Modeling of Cultural Change in Swarm Using Cultural Algorithms. Swarmfest 2004, University of Michigan, Ann Arbor, May.

2004 (invited) Artificial and Real Prehistoric Worlds: How Agent-Based Modeling Helps Decode the Archaeological Record. Fudan University—Santa Fe Institute Joint Workshop on Biocomplexity, Shanghai. April.

2004 (invited) (second author, with David Johnson and Jason Cowan) Modeling Multigenerational Household Response to Fuel Wood Availability: Using Long-Term Data to Help Solve Current Problems. Paper in symposium entitled “The Socio-Natural Connection: Integrating Archaeology and Environmental Studies for 21st Century Conservation” presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, April.

2004 (second author, with Stephanie VanBuskirk) Vessels and Villages: Conformist Transmission Accompanied Earliest Aggregation on the Pajarito Plateau, New Mexico. Paper in symposium entitled “From Evolutionary Theory to Archaeological Record: Models, Methods, and Explanation” presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, April.

2004 Paradigms for Biocomplexity: An Introduction to the Symposium and to the “Village” Project. Paper in symposium entitled “Biocomplexity Across Sociopolitical Scales” presented at the 69th Annual Meeting of the Society for American Archaeology, Montreal, April. (Also co-organizer of session; session named as one of five finalists in the Amerind-SAA Seminar Competition.)

2004 (invited) (first author, with C. David Johnson) Seven Hundred Years of Robust Adaptation Followed by Total Collapse: The Central Mesa Verde from A.D. 600-1300. Presented in the A. Watson Armour III Spring Symposium, entitled “Indigenous Ecologies and Sustainability: Humans and Landscape, Past and Present.” Field Museum, Chicago, March.

2004 Early Villages on the Pajarito Plateau, New Mexico (and what they suggest about how to do evolutionary anthropology). WSU Seminar on Evolution and Behavior, February.

2003 (third author, with Ziad Kobti and Robert G. Reynolds; delivered by Reynolds) A Multi-Agent Simulation using Cultural Algorithms: The Effect of Culture on the Resilience of Social Systems. Paper presented at IEEE International Congress on Evolutionary Computation in Australia, Canberra, December.

2003 (Invited) (first author, with Stephanie VanBuskirk and Samantha Ruscavage-Barz; delivered by Kohler) Vessels and Villages: Conformist Transmission Accompanied Earliest Aggregation on the Pajarito Plateau, New Mexico. Invited Paper, Complex Society Interest Group, Cotsen Institute of Archaeology, UCLA, November.

2003 (Presidential Invited Session) (first author, with Kathi Kramer Turner; delivered by Kohler) Evolutionary Perspectives on Raiding for Women in the Prehistoric Northern Southwest. Symposium Paper, 102nd Annual Meeting of the AAA. Chicago, November.

2003 (second author, with Robert G. Reynolds and Ziad Kobti; delivered by Reynolds) Finding the Center Place: The Multi-agent Simulation of the Emergence of Social Networks in the Mesa Verde Region Using Cultural Algorithms. Paper presented at The Agent 2003 Conference on: Challenges in Social Simulation. Gleacher Center — The University of Chicago. October.

2003 (Invited) Coupled Human/Ecodynamics in the Mesa Verde region, USA (first author, with Kenneth Kolm, Robert Reynolds, and Mark Varien). Poster presented at NSF-sponsored conference “Biocomplexity in the Environment Awardees Meeting: Environmental Research and Education; Growing Knowledge and Know-How.” Arlington, VA, September.

2003 Session Chair, First Annual Center for Integrated Biotechnology Retreat, Sept. 11-12. Moscow, ID.

2003 (Invited) (second author, with Robert G. Reynolds and Ziad Kobti) Robustness in Coupled Human/Natural Systems in the Northern Prehispanic Southwest. Paper presented at workshop on “The Robustness of Coupled Natural and Human Systems,” May, Santa Fe Institute.

2003 (second author, with Lorene Yap) Modeling Reciprocal Exchange in Southwestern Societies. Paper presented in Symposium “Building Models for Settlement Systems in the Late Prehispanic Mesa Verde Region: An Interdisciplinary Approach” (also chair of session). 68th Annual Meeting of the Society for American Archaeology, Milwaukee, April.

2003 Agent-Based Modeling of Mesa Verde Region Settlement Systems: Introduction. Paper presented in Symposium "Building Models for Settlement Systems in the Late Prehispanic Mesa Verde Region: An Interdisciplinary Approach" (also chair of session). 68th Annual Meeting of the Society for American Archaeology, Milwaukee, April.

2003 (Invited) Using Agent-Based Simulation To Investigate Prehistoric Societies. Marschak Colloquium (<http://www.anderson.ucla.edu/research/marschak>) speaker, UCLA, January. Cosponsored by the UCLA Center for Governance, the UCLA Department of Anthropology, and the UCLA Cotsen Institute of Archaeology. January.

2003 (Invited) "Approaching Realism in Agent-based Modeling: Examination of Coupled Human/Ecosystems in the pre-Hispanic Central Mesa Verde Region." Institute for Mathematical Behavioral Sciences, University of California, Irvine. January.

2002 (Invited) "Village": Agent-Based Simulation in Archaeology. Departmental Colloquium, University of Washington, Seattle, April.

2002 (Invited) Discussant for Symposium "Celebrating 75 Years of the Journal *Antiquity*," organized by Simon Stoddart, in the 67th Annual Meeting of Society for American Archaeology, Denver, March.

2002 (Second author, with Sarah Schlanger) "BMIII, PI, Lipe, and the DAP." Invited paper in Symposium entitled "William D. Lipe: Researcher in Southwestern Archaeology, Leader in Public Archaeology," organized by Kohler and Mark Varien, in the 67th Annual Meeting of Society for American Archaeology, Denver, March.

2002 (Invited) (First author, with Carla Van West) "The 'Village' Simulation: On The Care and Feeding of Models from Childhood to Adolescence." Paper presented in a symposium entitled "Great Houses and Great Pueblos: Polity, Economy, and Ritual in the Northern San Juan Region during the A.D. 1050-1300 Period," organized by Mark Varien, in the 67th Annual Meeting of Society for American Archaeology, Denver, March.

2002 (Invited Participant/"Provocateur") Workshop entitled "The Resilience of Past Landscapes," Arizona State University, Tempe, February.

2001 (Invited) "Agent-Based Modeling and Ecosystem Anthropology" in symposium entitled "Ecosystems and Complex Systems in Anthropology" organized by Tom Abel and Rick Stepp, 100th Annual Meeting of the American Anthropological Organization, November, Washington, D.C.

2001 (Invited Panelist) "Charting NCPTT's Role in Preserving America's Heritage in the 21st Century," November, Natchitoches, Louisiana.

2001 The Advent of the Neolithic. Invited paper in DisIntegrative Themes Workshop of the External Faculty, Santa Fe Institute, July.

2001 (Invited Participant) Information Flows in Computational Approaches to the Evolution of Cooperation. Conference in Abisko, Sweden, entitled "Emergence, Transformation, and Decay in Socio-natural Systems" organized by Uno Svedin and Sander van der Leeuw, May.

2001 Invited Participant in Conference: Mimbres Lives and Landscapes, Ladder Ranch, New Mexico, March.

- 2001 Invited Participant in Forum: Students: Make Your Mark: Strategies for Journal Publishing. Sponsored by the SAA Publications Committee and the SAA Student Affairs Committee. 66th Annual Meeting of the Society for American Archaeology, New Orleans, April.
- 2001 Host, SAA Roundtable, "Publishing Your First Article", 66th Annual Meeting of the Society for American Archaeology, New Orleans, April.
- 2000 (Co-organizer and Co-chair, with Sander van der Leeuw) "Conceptualizing Human Environmental Dynamics: Steps Towards a Unified Evolutionary Modeling Framework." International workshop held at and funded by the Santa Fe Institute. December.
- † 2000 "Delight Makers" and "Delight Takers" in the Archaeology of Bandelier National Monument. Santa Fe Institute Public Lecture, Santa Fe, NM, November (Approximate attendance: 300).
- 2000 The Thirteenth and Fourteenth Centuries A.D. on the Pajarito Plateau, New Mexico: The Bandelier Archaeological Excavation Project in Retrospect. WSU Department of Anthropology Colloquium, November (Televised, Cable 8).
- 2000 (Invited speaker) Agent-based Modeling as a Platform for Multidisciplinary Research: An Example from the Prehispanic U.S. Southwest. Sixteenth Biennial Meeting of the American Quaternary Association, Fayetteville, AR, May.
- 1999 Participant in Santa Fe Institute and the University of North Carolina Workshop on Computer Modeling of Political Processes: Simulating The Emergence of Centralized Decision Making and Control, November 12 and 13, 1999.
- 1999 Bandelier National Monument, New Mexico, and the Archaeology of Village Formation. Public lecture as part of Archaeology Month, WSU-TC, Richland.
- 1999 Invited speaker and panelist to "Future is Now" conference of the chiefs of interpretation of the Intermountain Regional Office of the NPS, Albuquerque, NM, July. Topic: Twenty-first century archaeological practice.
- 1999 Beyond GIS: Agent-Based Modeling on Digital Landscapes. Fulbright Lecture, Faculty of Social Sciences, University of Calgary, April.
- 1999 (second author, with S. Ruscavage-Barz) Disaggregated Aggregates: Defining Thirteenth-century communities in the northern Rio Grande. Paper presented at the 64th Annual Meeting of the Society for American Archaeology, Chicago, March.
- 1999 Host, SAA Roundtable, "Agent-based Modeling, Swarm, and Archaeology"; also chair of General Session "Communities and Community Dynamics" Society for American Archaeology, March, Chicago.
- 1999 Discussant, symposium entitled "Public Archaeology in Ancient Pueblos: Recent Research on Mesa Verde Region Communities, A.D. 900-1300." Society for American Archaeology, March, Chicago.
- 1999 Exploring the Archaeology of Bandelier National Monument, New Mexico. Invited lecture, Alberta Archaeological Society, Calgary, February.
- 1999 Swarm and the Simulation of Southwestern Settlement Systems. Departmental Colloquium, Dep't. of Archaeology, University of Calgary, January.

- 1998 Evolutionary Approaches to Altruism. Research Symposium: Ethics in the Disciplines #3, WSU, Center for Teaching & Learning, Pullman, November.
- 1998 (second author, with James Kresl) Launching from GIS into Reactive Modeling: Agent-based Simulation of Prehistoric Village Formation in the North American Southwest. Paper presented at the Inter-Congress Meeting of the International Union of Prehistoric and Protohistoric Sciences (UISPP) – Commission 4, Scottsdale, November.
- 1998 Participant, chair, and organizer of "Long-Term Human Dynamics Working Group Meeting" Santa Fe Institute, September 15-17.
- 1998 Participant in Integrative Themes Workshop, July 13-25, Santa Fe Institute.
- 1998 Discussant at Symposium entitled "A River Runs Through It: Current Research Advances in Northern Rio Grande Prehistory," 63rd Annual Meeting of the Society for American Archaeology, Seattle, March.
- 1998 (first author, with Matthew Van Pelt) What Does Complex Adaptive Systems Research have to say about the Development of Leadership and Hierarchies? Paper in the Symposium entitled "Corporate or Network? Alternative Leadership Strategies in the Greater Southwest" for the 63rd Annual Meeting of the Society for American Archaeology, Seattle, March.
- 1998 (second author, with James Kresl) Village Formulation Using GIS: Moving Medially from Pre-Swarm/Post-Swarm use. Workshop on Integrating GIS and Multi-Agent Modelling Techniques, Santa Fe Institute, Santa Fe, March.
- † 1997 Public Architecture and Power in pre-Columbian North America. Paper invited for symposium entitled "Power, Monuments, and Civilization", sponsored by the International Research Center for Japanese Studies, Nara, Japan, December.
- 1997 (first author with James Kresl, Carla Van West, and Eric Carr) Assessing the Dependence of Ancestral Puebloan Residential Site Location in the Mesa Verde Region on Distributions of Maize Productivity and Water Sources. Invited Paper in Workshop entitled "Agent-Based Modeling of Small-Scale Societies" funded by the Wenner-Gren Foundation for Anthropological Research and the Santa Fe Institute, Santa Fe, December (Also co-organizer of conference, with George Gumerman).
- 1997 Discussant at Symposium "Fieldhouses, Farmsteads, and Farming Villages: Current Method and Theory in Understanding Southwestern Economic Systems" at the 62nd Annual Meeting of the Society for American Archaeology, March, Nashville.
- 1997 (with Eric Carr, Carla Van West, James Kresl, Richard Wilshusen, and Christopher Langton) Agent-Based Modeling of Prehistoric Settlement Systems in the Mesa Verde Region of North America. Paper presented at the SwarmFest (Swarm Users' Meeting), Santa Fe Institute, February.
- 1996 Agent-based Modeling on Semi-realistic Landscapes: Is it Worth the bother? Invited talk at the University of Michigan/Santa Fe Institute Faculty Seminar, Ann Arbor, October. A Brown Bag talk on agent-based modeling given at the Museum of Anthropology later in same visit.
- † 1996 Agent-Based Modeling of Prehistoric Settlement Systems. Invited presentation in planning meeting on Non-linear Dynamics in Behavioral and Social Sciences, CBASSE/NRC/NAS, Washington, D.C., November.

1996 (first author, with George Gumerman) Beyond GIS: Populating Worlds with Agents. Plenary Session presentation with linked poster, Section I Colloquium II, XIIIth UISPP, Forlì, Italy, September.

1996 Participant in School of American Research Exploration Seminar, "Archaeological Research on the Pajarito Plateau: Present and Future," Santa Fe, May 20–22.

1996 Participant and co-organizer of Santa Fe Institute "Culture Week," Santa Fe, May 11-19.

1996 (with Carla Van West and Eric Carr) Led 4-hour pre-conference workshop entitled "Agent-Based Modeling of Prehistoric Settlement Behavior" at the 61st Annual Meeting of the Society for American Archaeology, April, New Orleans.

1996 Hosted Roundtable Luncheon entitled "Complex Systems" at the 61st Annual Meeting of the Society for American Archaeology, April, New Orleans.

1996 (first author, with Carla R. Van West, Eric P. Carr, and Christopher Langton) Agent-Based Modeling of Prehistoric Settlement Systems in the Northern American Southwest. Third International Conference/Workshop on Integrating GIS and Environmental Modeling. Santa Fe, NM, January.

1995 (with Jeffrey Dean, Joshua Epstein, George Gumerman, Chris Langton, and Carla Van West) Evolution of Human Culture: Artificial Anasazi Worlds. Trustee Fall Symposium, Santa Fe Institute, November.

1995 Two papers in Workshop on Creating Artificial Anasazi Worlds: "Agent-Based Modeling in Archaeology: An Overview"; and (with Chris Langton and Carla Van West) "Swarm: An Agent-Based Simulation System and its Application to Modeling Village Formation in Southwestern Colorado" in the Durango Conference on Southwest Archaeology, September.

1995 Anthropological Perspectives on Computational Approaches to the Evolution of Cooperation. Invited Colloquium, Santa Fe Institute, May.

1995 Paleodemographic Estimation in the Bandelier Archaeological Project. Symposium paper, 60th Annual Meeting of the Society for American Archaeology, Minneapolis, May.

1995 Exploring Applications of Complexity Theory to Archaeology. Two invited lectures, Department of Anthropology, University of Nebraska, Lincoln, March.

1994 Invited participant, SAA "Save the Past for the Future" Conference, Resource Management Workshop, September, Breckenridge, CO.

1994 (second author, with George Gumerman) Archaeology and the Sciences of Complexity. Symposium Paper, 59th Annual Meeting of the Society for American Archaeology, April, Anaheim. (Also Chair of symposium).

1994 Prehistoric Human Impact on Upland North American Southwestern Environments: History of Research, Consequences for Culture Change, and Implications for Prehistoric Decision-Making. Paper for Invited Symposium, 59th Annual Meeting of the Society for American Archaeology, April, Anaheim.

1994 Population and Resources in Prehistory. Paper presented in symposium entitled "Why Adaptation Becomes Maladaptive: The Dynamics of Population and Resources." American Association for the Advancement of Science, February, San Francisco.

- 1993 Discussant of symposium entitled “The Social Consequences of Collapse in Puebloan Prehistory.” 92nd Annual Meeting of the American Anthropological Association, November, Washington, D.C.
- 1993 (co-organizer, with Marcus Feldman, and chair) Santa Fe Institute “Founding Workshop on Cultural Evolution.” Oct. 31–Nov. 2, Santa Fe.
- 1993 (first author, with Robert Powers) The Bandelier Archaeological Project: Towards a Revised Model for Aggregation, and its Implications for the Study of Neolithic Village Formation Worldwide. Symposium Paper, 58th Annual Meeting, SAA, St. Louis, April. (Also organizer of symposium).
- 1993 (second author, with Robert Powers) Population and Settlement Aggregation on the Pajarito Plateau: The Bandelier Project. Symposium Paper, 58th Annual Meeting, SAA, St. Louis, April. (Also organizer of symposium).
- 1992 (first author, with Carla R. Van West) The Calculus of Self Interest in the Development of Cooperation: Sociopolitical Development and Risk among the Northern Anasazi. Paper presented at the Santa Fe Institute Workshop entitled “Resource Stress, Economic Uncertainty, and Human Response in the Prehistoric Southwest.” February.
- 1992 (second author, with Carla R. Van West) A Time to Rend, a Time to Sew: New Perspectives on Northern Anasazi Social Development in Later Prehistory. Invited Paper in NSF-supported conference “The Anthropology of Human Behavior through Geographic Information and Analysis.” University of California, Santa Barbara, February.
- 1991 Village Formation in the Upland North American Southwest: Implications for a Global Perspective. Paper presented at the XIIth International Congress of Prehistoric and Protohistoric Sciences, Bratislava, Czecho-Slovakia, September.
- 1990 (second author, with Ben Nelson and Keith Kintigh) Demographic Alternatives: Consequences for Current Models of Southwestern Prehistory. Invited Paper, Santa Fe Institute Colloquium, Santa Fe, September.
- 1990 Village Formation in the Southwest: The View from Bandelier. Invited Paper, Summer Colloquium Series, Fort Burgwin Research Center (SMU), Taos, July.
- 1990 (first author, with LuAnn Wandsnider) Technology, Quantification, Theory, and Archaeology: A.D. 2001. Invited Paper in Conference “Future of the Past: American Archaeology in A.D. 2001.” Southern Illinois University at Carbondale, May.
- 1990 Participant in Wenner-Gren sponsored symposium at Crow Canyon Archaeological Center, Cortez, CO, “Pueblo Cultures in Transition: A.D. 1150–1350 in the American Southwest.” March.
- 1990 Prehistoric Human Impact on the Environment in the Upland North American Southwest. Symposium paper, 1990 AAAS Annual Meeting, New Orleans, February. (Also co-chair and co-organizer of session.)
- 1990 (second author, with P. Crown) Community Dynamics, Site Structure, and Aggregation in the Northern Rio Grande. Symposium paper, Southwest Symposium, Albuquerque, NM, January.
- 1989 The Origins of Village Life in the Southwest: The Bandelier Archaeological Project. Special Evening Colloquium, April, Los Alamos National Laboratory, Los Alamos, New Mexico.

1989 Fieldhouses and the Tragedy of the Commons in the Anasazi Southwest. Contributed Paper, 54th Annual Meeting of the Society for American Archaeology, Atlanta.

1988 Discussant at symposium entitled "Geographic Information Systems Applications in Archaeology," 53rd Annual Meeting of the Society for American Archaeology, Phoenix.

1988 (third author, with J. Orcutt and E. Blinman) Explanations of Population Aggregation in the Mesa Verde Region Prior to A.D. 900. Symposium Paper, "Elites and Regional Systems" Session, Southwest Symposium, Tempe.

1987 Long-term Anasazi Land Use and Forest Reduction: A Case Study from Southwest Colorado. Paper presented at the Tenth Annual Conference of the Society of Ethnobiology, Gainesville. (Also chaired Session VI: Paleoethnobotanical and Zooarchaeological Methods.)

1986 (first author, with G. Michael Johnson) From Garden Patch to McKeithen: What We Do, and Don't, Know about Late Woodland in North Florida. Symposium Paper, 43rd Southeastern Archaeological Conference, Nashville.

1986 (second author, with G. Michael Johnson) Toward a Better Understanding of North Peninsular Gulf Coast Prehistory: Archaeological Reconnaissance in Dixie County. Contributed Paper, 43rd Southeastern Archaeological Conference, Nashville.

1985 Discussant of symposium entitled "Computer-Based Geographic Information Systems: A tool of the future for solving problems in the past." 50th Annual Meeting of the Society for American Archaeology, Denver.

1985 (first author, with Janet D. Orcutt, Kenneth L. Petersen, and Eric Blinman) Anasazi Spreadsheets: The cost of doing agricultural business in prehistoric Dolores. Symposium paper, 50th Annual Meeting of the Society for American Archaeology.

1985 Chaired session entitled "Developing Locational Models and Analyzing Settlement Patterns." Northwest Anthropological Conference, Ellensburg.

1985 Predicting the locations of archaeological materials: a personal view of where we stand. Invited paper, U.S. Forest Service Conference on Archaeological Inventory and Predictive Modeling in the Pacific Northwest, January 1985.

1984 (first author, with M. Matthews) Unraveling cause and effect in changing wood use in the Dolores Project Area. Symposium Paper, 49th Annual Meeting of the Society for American Archaeology.

1983 Discussant at symposium "Cultural Resource Management at U. S. Army Installations in the Southeast." 40th Annual Meeting of the Southeastern Archaeological Conference, Columbia, South Carolina.

1983 History and Practice of Predictive Modeling. Symposium Paper, 48th Annual Meeting of the Society for American Archaeology.

1982 (third author, with A. E. Kane and J. Orcutt) Dolores Archaeological Program Approaches to Paleodemographic Reconstructions. Contributed Paper, 47th Annual Meeting, Society for American Archaeology.

1981 (second author, with S. Hackenberger) Statistical Measures of Adequate Data Recovery--and their limitations. Symposium paper, 46th Annual Meeting, Society for American Archaeology.

1981 (first author, with W. D. Lipe, L. Floyd, and R. Bye) Modeling wood resource depletion in the Grass Mesa Locality. Symposium paper, 46th Annual Meeting, Society for American Archaeology. (Also organizer of symposium.)

1980 (first author, with S. H. Schlanger) Surficial estimation of intrasite patterning. Symposium Paper, 45th Annual Meeting, Society for American Archaeology.

1979 (second author, with S. H. Schlanger and W. D. Lipe) Modeling construction activity in Southwestern Pueblos. Symposium paper, 44th Annual Meeting, Society for American Archaeology.

1978 The Social Dimensions of Material Variation at the McKeithen site: Weeden Island in North Florida. Symposium paper, 35th Southeastern Archaeological Conference. (Also co-organizer of symposium.)

1978 Village Excavations at the McKeithen site: A Lithic Chronology for Weeden Island in North Florida. 30th Annual Meeting, Florida Anthropological Society.

1977 (second author, with P. M. Rice) Weeden Island ceramics from the McKeithen site, Florida. 41st Annual Meeting, Florida Academy of Sciences.

1977 The McKeithen site: Preliminary report. Research report, 42nd Annual Meeting, Society for American Archaeology.

1976 Corn, Indians, and Spanish in North-central Florida. Contributed Paper, 33rd Southeastern Archaeological Conference.

1975 Subsistence and Settlement at the Garden Patch Site, Florida. Symposium Paper, 40th Annual Meeting, Society for American Archaeology.

Foreign Languages

Moderate fluency reading, writing, speaking French.

Minimal reading ability, Latin, Spanish, German.

Graduate Students Supervised as Chair

Donald W. Howes	M.A.	1982
Richard F. Darsie	M.A.	1983
Christine Plimpton	M.A.	1984
G. Michael Johnson	M.A.	1985
Steve Hackenberger	Ph.D.	1988
A. Cathy Fulkerson	M.A.	1988
Carla Van West	Ph.D.	1990
Ingrid Carlson	M.A.	1993
Paul Blomgren	M.A.	1996
Douglas Harro	M.A.	1997
Joseph Cunningham	M.A.	1998
Samantha Ruscavage-Barz	Ph.D.	1999
Durkin, Thomas J.	M.A.	1999
Kramer, Kathryn S.	M.A.	2002
Fumiyasu Arakawa	Ph.D.	2006
Rhiannon Held	M.A.	2006
C. David Johnson	Ph.D.	2006

Sarah Cole	M.A.	2007
Cheryl Harper	M.A.	2008 (honorary; deceased)
Diane Curewitz	Ph.D.	2008
Charles Reed	M.A.	2010
R. Kyle Bocinsky	M.A.	2011
Stefani A. Crabtree	M.A.	2012
R. Kyle Bocinsky	Ph.D.	2014
Kelsey Reese	M.A.	2014
Stefani A. Crabtree	Ph.D.	2016
Laura Ellyson	Ph.D.	2022
Andrew Gilreath-Brown	Ph.D.	2023
Darcy Bird	Ph.D.	2024

Grant Proposals (not up to date)

Title	Submitted to	Period & Budget Requeste	Outcome
Expansion and Revision of Dissertation Research on Weeden Island Cultures in the Southeast and particularly in North Florida. (Research Fellowship for Recent Recipients of the Ph.D.)	A.C.L.S.	\$5,500	not funded
Inter-Site and Intra -Site Sampling and Simulation in Archaeology equipment grant)	Apple Education Foundation	12/1/80-12/1/82 \$5,359	not funded
Continuation of Subcontract, Dolores Project Cultural Resources Mitigation (with W. D. Lipe; as junior investigator)	University of Colorado	10/1/80-9/30/81	\$342,744
Modeling and Simulation of Puebloan Usage of Forest Resources	NSF	5/31/81-5/31/82 \$34,047	not funded recom resubmission
Social Organization and Intra-Site Settlement: Evidence for Incipient Ranking and Social Organization in a prehistoric North Florida Village	Sigma Xi Grant-in-Aid of Research	6/8/81-8/31/81 \$720	not funded
Simulation of Anasazi Wood Use in the Dolores River Valley: the Environmental and Cultural Effects of Wood Resource Depletion	NSF	7/1/82-5/31/84 \$49,457	not funded
Continuation Dolores Project Cultural Mitigation Program Subcontract Co-Director with W. D. Lipe	Univ. of Colorado	10/1/81-9/30/83 \$225,517	\$255,517
Continuation Dolores Project Cultural Mitigation Program Subcontract Co-Director with W. D. Lipe	Univ. of Colorado	10/1/82-9/30/82 \$159,775	\$159,775
Modeling and simulation of Puebloan Usage of Forest Resources Program	W.S.U. Grant-in-Aid	7/82-6/83 \$6,759	\$6,759
Training Session in Predictive Modeling	USDA Forest Service East Reg.	3/1-3/83 \$5,733	not funded
Predictive Locational Modeling of Archaeological Sites	E. O. Holland Faculty Travel	12/83 \$339 12/83 \$500	\$339 \$600

(two associated requests)				
Initiation of Research Project				
Local Ceramic Exchange in the	NSF	8/84-9/85	\$2,210	not funded
NSF Dolores River Valley				
(Howes' DDIG)				
Best & Final Offer, Cultural	BLM	7/31/84-7/31/85	\$34,351	\$34,351
Resource Model Work Units 2, 6,				
& 8 (portions of a volume on				
predictive locational modeling of				
archaeological sites)				
Modification of above for an	BLM	1/18/85-8/31/85	\$4,934	\$4,934
additional chapter				
Coastal Dixie County	Florida Dept. of State	3/26/85-6/86	\$6,104	\$6,104
Archaeological Survey Project	(USDI Funds)			
Coastal Dixie County	Florida Dept. of State	12/85-1/86	\$1,094	\$1,094
Archaeological Survey Project	(USDI Funds)			
(supplemental request)				
Developing Computerized Spatial	WSU Summer Stipend	Summer 1985	\$3,000	not funded
Analysis Capabilities in				
Anthropology				
Predictive Locational Modeling of	U.S. Forest Service	4/1/86-12/31/86	\$8,154	\$8,154
Archaeological Resources in	Region 6			
Portions of the Okanogan				
National Forest				
Resident Scholar Fellowship	School of American	9/15/86-7/31/87		Housing + plus
	Research			\$650/mon
Professional Leave	WSU	8/16/86-8/15/87		75% salary
Anasazi Settlement Patterns	Wenner-Gren	1987	\$4,425	\$4,425
(supervisor for Carla Van West)	Foundation			
Faculty Travel Grant-in-Aidv	WSU Research & Arts	March 1987		funded
	Committee			
Predictive Location Modeling of	U.S. Forest Service	6/12/87-3/31/88		\$10,200
Archaeological Resources in the	Region 6			
Methow River Area of the				
Okanogan National Forest				
Equipment Grant, Macintosh II	Apple Computer	6/8/87		Ignored
Excavations in Bandelier National	Southwest Parks &	6/1/88-5/31/89	\$4,950	\$4,950
Monument, summer, 1988	Monument Assn.			
Bandelier National Monument)				
Fishers to Farmers: Prehistoric	NSF	1/1/87-8/15/88	\$86,606	not funded
North Peninsular Gulf Coastal				
Florida in Transition				
Dixie County Archaeological	National Geographic	1/1/87-12/31/88	\$20,076	not funded
Project: Fishers to Farmers in	Society			
Prehistory				
Archaeological Reconnaissance	Florida Dept. of State	1/15/87-11/30/87	\$8,041	not funded
in Inland Dixie County				
The Weeden Island/Alachua	NSF	2/1/88-12/31/89	\$9,950	not funded
Tradition Transition in North				
Florida: A Reassessment (DDIG)				
Faculty Summer Stipend for	WSU	Summer 1988		\$3,000
Bandelier Research				
Archaeological Excavations in	7 Private Foundations	6/1/88-5/31/89	\$5,000	not funded
Bandelier National Monument,				
New Mexico				
Bandelier Archaeological	Friends of Bandelier	\$6/6/88-5/31/89	\$5,000	\$5,000
Excavations				
Phase I				
Bandelier Archaeological	L. J. & Mary C. Skaggs	4/89-9/89	\$8,650	\$8,650
Excavation	Foundation			
Phase II				

Bandelier Archaeological Excavation Phase II	Wenner-Gren Foundation	4/89-4/90 \$9,689	\$4,622
Bandelier Archaeological Excavation Phase II	Friends of Bandelier	6/1/89-5/31/90	\$5,000
Bandelier Archaeological Excavation Project, Phase II	Southwest Parks & Monuments Association	5/15/89-5/14/90 \$5,000	\$5,000
Village Formation in Prehistory: The Archaeology of Bandelier National Monument, New Mexico	Howard Foundation	6/89-6/90 \$18,000	finalist but not funded
Bandelier Archaeological Excavation Project, Phases II & III	NSF	6/1/89-5/31/91 \$79,948	\$58,071
Bandelier Archaeological Excavation Phase III	L. J. & Mary C. Skaggs Foundation	5/90-5/91 \$10,000	\$10,000
Bandelier Archaeological Excavation Phase III	Southwest Parks & Monuments Association	5/90-5/91 \$5,000	\$5,000
Bandelier Archaeological Excavation Phase III	Friends of Bandelier	5/90-5/91 \$5,000	\$5,000
Research Experience for Undergrads at Bandelier	NSF/REU	3/90-03/91 \$3,850	\$3,850
Bandelier Archaeological Excavation Phase IV	L. J. & Mary C. Skaggs Foundation	5/91-5/92 \$8,000	not funded
Bandelier Archaeological Excavation Phase IV	Southwest Parks & Monument Association	5/91-5/92 \$5,000	\$5,000
Bandelier Archaeological Excavation Phase IV	Friends of Bandelier	5/91-5/92 \$4,350	\$4,350
Bandelier Archaeological Excavation Phase IV	Wenner-Gren	5/91-5/92 \$9,820	\$5,000
Bandelier Archaeological Excavation Phases IV and V	NSF	1/92-12/93 \$48,222	not funded
Professional Leave	WSU	8/16/92-8/15/93	75% salary
Pollen Analysis, Burnt Mesa Kiva	Subagreement I to Cooperative Agreement with NPS	6/92-1/93 \$3,000	3,000
BAEP Final Report	NPS Challenge Cost-share	9/92-8/93 \$15,000	not funded
BAEP Final Report	L. J. and Mary C. Skaggs Fdn. (through NPF)	8/92-6/93 \$19,000	\$10,000
Pollen Analysis, Burnt Mesa Kiva	Friends of Bandelier	6/92-5/93 \$2,000	\$2,000
BAEP Final Report	Subagreement I to Cooperative Agreement with NPS	1/93-9/94 \$8,000	\$8,000
Archaeological Research, Bandelier National Monument (support for two graduate students)	Friends of Bandelier	6/1/94-8/15/94 \$4,880	\$4,880
Simulating Anasazi Village Formation in the Northern American Southwest: A Complex Adaptive Systems Perspective	NSF	1/1/95-12/31-96 \$92,590	not funded
Prehistoric Village Formation on the Pajarito Plateau, New Mexico	NEH Div. of Fellowships & Seminars	1/1/95-6/1/95 \$30,000	not funded
Agent-Based Modeling of Anasazi Village Formation in the Northern American Southwest	NSF	1/1/96-12/31/97 \$82,590	funded "2nd priority" (i.e., not funded)
Archaeological Reconnaissance at Meyer's Point	Meyer's Fund, WSU	3/1/95-12/31/95	\$300.00
Further Archaeological Research at Meyer's Point	Meyer's Fund, WSU	7/1/96-6/30/97	\$3661

Developing Agent-Based Simulations for Identifying & Interpreting Archaeological Sites	NCPTT (USDI/NPS)	9/1/95–8/31/96	\$34,338
Renewal of above	NCPTT (USDI/NPS)	\$6,337	not funded
Understanding Large-Scale Change in Small-Scale Societies as a Result of Individual-Based Processes: Agent-based Modeling in Anthropology	Wenner-Gren Foundation for Anthropological Research (Conference Program) (through SFI)	Fall 1997 \$13,410	funded \$10,000
Archaeology of Northern Rio Grande (DDIG for Samantha Ruscavage-Barz)	NSF	3/1/97-2/28/98	\$9370
Fulbright-University of Calgary Chair in North American Studies	J. William Fulbright Foreign Scholarship Board	Spring 1999	\$15,000 (US) + \$20,000 (Canadian)
Extending Agent-Based Modeling In Archaeology Using Swarm Archaeological Sites	NCPTT (USDI/NPS)	8/16/99–8/15/01 \$78,827	not funded
Modeling Pueblo II/III Aggregation and Settlement Changes in Southwest Colorado incorporating Paleo-Hydrology and Changing Agricultural And Economic Strategies	NSF Archaeology	5/16/99-5/15/01 \$126,706	not funded
Integrated Model for Human Eco-Dynamics in a Small-scale Agricultural Society	NSF MMIA (Global Change Program)	9/16/99-9/15/01 \$130,400	not funded
Improving the Resolution of the Archaeological Record and Advancing Agent-Based Simulation (pre-doctoral proposal for James Kresl)	Wenner-Gren Foundation for Anthropological Research	2000 \$9,525	not funded
Biocomplexity Incubation Activity: Conceptualization of Human Environmental Dynamics: Steps Towards a Unified Evolutionary Modeling Framework	NSF Biocomplexity Special Competition (through SFI)	09/01/00-8/31/02 \$60,089	not funded
Biocomplexity Approaches to the Location, Formation, and Dissolution of Neolithic Villages in the Prehispanic U.S. Southwest	NSF Biocomplexity Special Competition	09/01/00-8/31/02 \$404,101	not funded but "competitive"
Extending Agent-Based Modeling of Archaeological Settlement Systems	NCPTT (USDI/NPS)	8/16/01–8/15/03	not funded \$74,341
Modernization of Anth 330 to emphasize Large-scale problems of cooperation and conflict	Richard Law (via Hewlett Foundation)	Summer 2001	\$2,000
Re-examination of Ceramic Collections at Bandelier National Monument, NM (in support of Diane Curewitz, Ph.D. student)	Canon National Parks Science Scholars Program	1/1/01-12/31/02 \$25,000	funded at \$2,000 ("Honorable Mention")
Coupled Human/Ecosystems over Long Periods: Mesa Verde Region Prehispanic Ecodynamics Supplement to above	NSF BCS – BE Coupled Natural-Human Ecosystems	8/16/01-9/15/04 \$920,821	funded 9/15/01-3/15/05 \$920,821
	NSF BCS – BE Coupled Natural-Human Ecosystems	4/1/03-3/15/05	\$58,132
Lithic Raw material Procurement Patterns and the Social Landscape in the Central Mesa	NSF DDIG	01/07/04-12/31/04	\$11,999

Verde Region, A.D. 600-1300 (Arakawa)			
Analysis of Prehistoric Ceramics from the Northern Rio Grande Valley of New Mexico (Curewitz)	NSF DDIG	8/16/04-8/15/05	\$11,100
Life in the Early Neolithic Village: A Global Survey	Council of American Overseas Research Centers	5/05 – 8/05	\$9,000 not funded
Model-Based Approaches to Biological & Cultural Evolution	NSF IGERT	6/16/06-12/16/12	\$3,072,617
Digital Antiquity: Planning a Digital Information Infrastructure for Archaeology (one of four co-PIs)	Mellon Foundation	7/1/2007-6/30/2008 (run through Univ. of Arkansas)	\$152,497 to Univ. of Arkansas
CNH: Coupled Natural and Human Ecosystems over Long Periods	NSF CNH	8/28/08-12/31/13	\$1,499,172
Digital Antiquity: implementation grant (one of four co-PIs after Keith Kintigh)	Mellon Foundation	1/20/09-4/30/11	\$1,294,000 to Arizona State University
Preproposal: The Rise of Social Complexity: Comparative Multidisciplinary Analysis of the Neolithic Emergence of Inequality in Europe and Western North America (with E. A. Smith & S. Shennan)	Templeton Foundation (submitted 10/15/10)	\$400,000	full proposal not invited
Complex Systems Approaches to the Emergence of Social Complexity and Inequality (with E. A. Smith and S. Shennan)	James S. McDonnell Foundation	\$392,813, 9/16/11-9/15/14	full proposal not invited
REU Supplement to CNH: Coupled Natural and Human Ecosystems over Long Periods	NSF	\$7,816, summer 2011	funded
RCN - SEES Global Long-term Human Ecodynamics Research Coordination Network: Assessing Sustainability on the Millennial Scale (I'm a co-PI; SPI is Sophia Perdikaris, other co-PIs are Ben Fitzhugh, Margaret C. Nelson, & Thomas H. McGovern)	NSF	\$498,885, December 1, 2011 - November 30, 2016	funded
Refining Models for Pueblo Settlement and Subsistence With NASA Imagery and Regional Climatic Simulation	NASA (Space Archaeology Program)	\$368,436, 03/01/2012 - 02/28/2015	not funded
Sustainability or Collapse? Integrating WSU Students into a Recently Funded NSF RCN-SEES	WSU CLA (Berry Family)	\$25,000, 1/2012 – 12/2014	not funded
Farming Success and Social Responses to Climate Variability in North America, AD 1-1500	NSF CNH	\$1,458,142, 06/01/13 – 05/31/18	not funded but "competitive"
Universal Patterns in the Emergence of Complex Systems	Santa Fe Institute	\$14,063 1/1/13 – 5/15/13	funded (monies flow through SFI from Templeton)
Migration, Group Formation and Economic Development in the Pueblo World (Kohler, co-PI with Scott Ortman, CU-Boulder)	SAR, Santa Fe	2013-2014/dollar amount not specified, value estimated at ≈\$12K	funded/seminar to be held March 2014

Collaborative Research: Modeling Crop Failure Potential in Late Pueblo III Mesa Verde Villages	UNT (NSF) Archaeology Program	09/01/2014 - 08/31/2016 — \$15,870	not funded
CNH: Climate Variability, Maize Farming Success, and Anthropogenic Land-cover Change in North America, AD 1- 1500	NSF Dynamics of Coupled Natural and Human Systems (CNH)	06/01/2014- 05/31/2018 — \$1,323,068	not funded
BCC: Collaborative Research: Designing SKOPE: Synthesized Knowledge of Past Environments	NSF Building Community and Capacity for Data- Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources (BCC-SBE/EHR)	9/01/14 – 3/31/16, \$102,084	funded
Varied responses to climate change among pastoral and agricultural societies in the North Atlantic and Northern America, AD 1-1500	NSF PLR - Arctic Social Sciences	06/01/15-05/31/18— \$1,427,561	Not funded
Population: Two Revolutions	John Simon Guggenheim Memorial Foundation	8/16/15 – 8/15/16— \$84,568 (WSU estimate)	Not funded
IBSS-L: Information Networks and the Evolution of Social Organizations	NSF Interdisciplinary Behavioral and Social Science Program (via SFI)	7/1/16-6/30/19, total 962,280, WSU portion (subcontract to SFI) \$176,351	Funded (with budget reduction)
Population: Two Revolutions	John Simon Guggenheim Memorial Foundation	8/16/16-8/15/17, \$87,312 (WSU estimate)	Not funded
RIDIR: Developing and Deploying SKOPE: Synthesizing Knowledge of Past Environments	NSF (Collaborative with UIUC & ASU)	8/16/16-8/15/19, \$254,189	Funded
The 1 Percent: A Prehistory	John Simon Guggenheim Memorial Foundation	2021-2022	Not funded
The Creation and Division of Wealth and the Long-term Consequences of Inequality	NSF BCS (via CU- Boulder) 2122123	2021-2023 \$194,735	Funded