

# Matthew A. Peeples, PhD

January 2017

## Address:

School of Human Evolution & Social Change  
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## Education

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- 2011 Ph.D. in Anthropology (Archaeology), Arizona State University  
2006 M.A. in Anthropology (Archaeology), Arizona State University  
2003 B.A. in Anthropology (minor Geography), University of Texas at Austin  
*Summa cum laude* and special departmental honors

## Professional Appointments and Affiliations

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- 2015-present Assistant Professor, School of Human Evolution & Social Change, Arizona State University  
2015-present Research Director, Center for Archaeology and Society, Arizona State University  
2015-present Research Associate, Archaeology Southwest, Tucson, AZ  
2012-2015 Preservation Archaeologist, Archaeology Southwest, Tucson, AZ  
2011-2012 Postdoctoral Research Associate, Southwest Social Networks Project: School of Anthropology, University of Arizona and Archaeology Southwest

## Research Interests

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Pre-contact archaeology in the North American Southwest; social network analysis; social identity and material culture; quantitative and formal methods in archaeology; ceramic analysis; ceramic chemical characterization (NAA, XRF); regional archaeological preservation planning

## Publications (\* peer reviewed)

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### *Student co-authors underlined*

### *Journal Articles:*

- \*2016 **Peeples, Matthew A.**, Jeffery J. Clark, William H. Doelle, Andy Laurenzi, and Barbara J. Mills. The Big Picture: The National Historic Preservation Act and Regional Syntheses in the U.S. Southwest. *Journal of Arizona Archaeology* 4(1):1-9.
- \*2016 Spielmann, Katherine, **Matthew A. Peeples**, Donna M. Glowacki, and Andrew Dugmore. Early Warning Signals of Social Transformation: A Case Study from the US Southwest. *PLoS One* 11(10):e0163685.
- \*2016 Mills, Barbara J., Jeffery J. Clark, and **Matthew A. Peeples**. Migration, Skill, and the Transformation of Social Networks in the Prehispanic Southwest. *Economic Anthropology* 3:203-215.
- \*2016 Hegmon, Michelle, Jacob Freeman, Keith W. Kintigh, Margaret C. Nelson, Sarah Oas, **Matthew A. Peeples**, and Andrea Torvinen. Marking and Making Difference: Representational Diversity in the U.S. Southwest. *American Antiquity* 81(2):253-272.

- \*2016 Nelson, Margaret C., Scott E. Ingram, Andrew J. Dugmore, Richard Streeeter, **Matthew A. Peeples**, Thomas H. McGovern, Michelle Hegmon, Jette Arneborg, Keith W. Kintigh, Seth Brewington, Katherine A. Spielmann, Ian A. Simpson, Colleen Strawhacker, Laura E.L. Comeau, Andrea Torvinen, Christian K. Madsen, George Hambrecht, and Konrad Smiarowski. Climate Challenges, Vulnerabilities, and Food Security. *Proceedings of the National Academy of Sciences* 113(2):298-303.
- \*2015 Freeman, Jacob, **Matthew A. Peeples**, and John M. Anderies. Toward a Theory of Non-linear Transitions from Foraging to Farming. *Journal of Anthropological Archaeology* 40:109-122.
- \*2015 Bernardini, Wesley and **Matthew A. Peeples**. Sight Communities: The Social Significance of Shared Visual Landmarks. *American Antiquity* 80(2):215-235.
- \*2015 Hill, J. Brett, **Matthew A. Peeples**, Deborah H. Huntley, H. Jane Carmack. Spatializing Social Network Analysis in the Precontact U.S. Southwest. *Advances in Archaeological Practice* 3(1):63-77.
- \*2015 Mills, Barbara J., **Matthew A. Peeples**, William R. Haas, Jr., Lewis Borck, Jeffery J. Clark, and John M. Roberts, Jr. Multiscalar Perspectives on Social Networks in the Late Prehispanic Southwest. *American Antiquity* 80(1):3-24.
- \*2015 Borck, Lewis, Barbara J. Mills, **Matthew A. Peeples**, and Jeffery J. Clark. Are Social Networks Survival Networks? An Example from the Late Prehispanic Southwest. *Journal of Archaeological Method and Theory* 22(1):33-57.
- \*2014 Ownby, Mary F., Deborah L. Huntley, and **Matthew A. Peeples**. A Combined Approach: Using NAA and Petrography to Examine Ceramic Production and Exchange in the American Southwest. *Journal of Archaeological Science* 52:152-162.
- \*2013 Laurenzi, Andrew, **Matthew A. Peeples**, and William H. Doelle. Cultural Resources Priority Area Planning in Sub-Mogollon Arizona and New Mexico. *Advances in Archaeological Practice* 1(2):61-76.
- \*2013 **Peeples, Matthew A.** and W. Randall Haas, Jr. Brokerage and Social Capital in the Prehispanic U.S. Southwest. *American Anthropologist* 115(2):232-246.
- \*2013 **Peeples, Matthew A.** and John M. Roberts, Jr. To Binarize or Not to Binarize: Relational Data and the Construction of Archaeological Networks. *Journal of Archaeological Science* 40(7):3001-3010.
- \*2013 Mills, Barbara J., Jeffery J. Clark, **Matthew A. Peeples**, W. R. Haas, Jr., John M. Roberts, Jr., J. Brett Hill, Deborah L. Huntley, Lewis Borck, Ronald L. Breiger, Aaron Clauset, M. Steven Shackley. The Transformation of Social Networks in the Late Pre-Hispanic U.S. Southwest. *Proceedings of the National Academy of Sciences* 110(15):5785-5790.
- \*2012 **Peeples, Matthew A.**, and Gregson Schachner. Refining Correspondence Analysis-Based Ceramic Seriation of Regional Data Sets. *Journal of Archaeological Science* 39(8):2818-2827.
- \*2011 Nelson, Margaret C., Stephanie Kulow, **Matthew A. Peeples**, Michelle Hegmon, and Ann Kinzig. Resisting Diversity in Small Scale Societies: A Long-term Archaeological Study. *Ecology and Society* 16(1):article 25.
- \*2011 Spielmann, Katherine A., Margaret C. Nelson, Scott E. Ingram, and **Matthew A. Peeples**. Sustainable Small-Scale Agriculture in Semi-Arid Environments. *Ecology and Society* 16(1):article 26.

- \*2008 Hegmon, Michelle, **Matthew A. Peeples**, Ann Kinzig, Stephanie Kulow, Cathryn M. Meegan, and Margaret C. Nelson. Social Transformation and its Human Costs in the Prehispanic U.S. Southwest. *American Anthropologist* 110(3):313-324.
- \*2008 **Peeples, Matthew A.** Creating Political Authority: The Role of the Antebellum Black Press in the Political Mobilization and Empowerment of African Americans. *Journalism History* 34(2):76-86.
- \*2006 **Peeples, Matthew A.**, C. Michael Barton and Steven Schmich. Resilience Lost: Intersecting Landuse and Landscape Dynamics in the Prehistoric Southwestern U.S. *Ecology and Society* 11(2):article 22.
- \*2003 **Peeples, Matthew A.** An Analysis of Projectile Points from the Chytka Site (41JK66), Jackson County, Texas. *La Tierra: Journal of the Southern Texas Archaeological Association* 30(1):37-63.
- 2003 **Peeples, Matthew A.** Mano a Mano: Grinding Implements from Colha, Belize. *Mono y Conejo: Journal of the Mesoamerican Archaeological Research Laboratory* 1(1):31-35.

**Book Chapters:**

- \*In press Mills, Barbara J. and **Matthew A. Peeples**. Reframing Diffusion through Social Network Theory. In *Interaction and Connectivity in the Greater Southwest*, edited by Karen G. Harry and Barbara Roth. University Press of Colorado, Boulder.
- \*In press **Peeples, Matthew A.**, Gregson Schachner, and Keith W. Kintigh. The Cibola/Zuni Region. In *The Oxford Handbook of Southwest Archaeology*, edited by Barbara J. Mills and Severin Fowles, Oxford University Press, Oxford.
- \*In press **Peeples, Matthew A.** and Barbara J. Mills. Frontiers of Marginality and Mediation in the U.S. Southwest: A Social Networks Perspective. In *Life Beyond the Boundaries: Constructing Identity in Edge Regions of the North American Southwest*, edited by Karen Harry and Sarah Herr, University Press of Colorado.
- \*In press Brughmans, Tom and **Matthew A. Peeples**. Network Science. In *The SAS (Society for Archaeological Sciences) Encyclopedia of Archaeological Sciences*, edited by Sandra L. López Varela. Wiley, Hoboken, NJ.
- \*2016 Hegmon, Michelle, Jerry B. Howard, Michael O'Hara, and **Matthew A. Peeples**. Path Dependence and the Long-term Trajectory of Prehistoric Hohokam Irrigation in Arizona. In *The Archaeology of Entanglement: Entwinements and Entrapments of the Past*, edited by Lindsay Der and Francesca Fernandini. Pp. 173-190. Left Coast Press, Walnut Creek, CA.
- \*2016 **Peeples, Matthew A.**, Barbara J. Mills, W. R. Haas, Jr., Jeffery J. Clark, and John M. Roberts., Jr. Analytical Challenges for the Application of Social Network Analysis in Archaeology. In *The Connected Past: Challenging Networks in Archaeology and History*, edited by Tom Brughmans, Anna Collar, and Fiona Coward. pp. 59-84. Oxford University Press, Oxford.
- \*2015 Torvinen, Andrea L., Michelle Hegmon, Ann P. Kinzig, Margaret C. Nelson, **Matthew A. Peeples**, Karen G. Schollmeyer, Colleen Strawhacker, Laura Swantek. Transformation without Collapse: Two Cases from the American Southwest. In *Archaeological Perspectives on Resilience, Revitalization, and Reorganization in Complex Societies: Proceedings of the 29th Annual SIU Visiting Scholars Conference*, edited by Ronald Fauseit, Southern Illinois University, Carbondale.
- \*2014 Hegmon, Michelle, Jette Arneborg, Andrew J. Dugmore, George Hambrecht, Scott Ingram, Keith Kintigh, Thomas H. McGovern, Margaret C. Nelson, **Matthew A. Peeples**, Ian Simpson, Katherine Spielmann, Richard Streeter, and Orri Vésteinsson. The Human Experience of Social Change and

Continuity: The Southwest and the North Atlantic in Interesting Times ca. A.D. 1300. In *Climates of Change: The Shifting Environments of Archaeology*. Proceedings of the 44<sup>th</sup> Annual Chaco Conference, edited by S. Lacey, C. Tremain, and M. Sawyer. pp. 53-67. University of Calgary.

- \*2014 **Peoples, Matthew A.** Population History of the Zuni Region across the Protohistoric Transition: Migration, Gene Flow, and Social Transformation. In *Building Transnational Archaeologies*, edited by Elisa Villalpando and Randall H. McGuire. pp. 93-109. Arizona State Museum Archaeological Series 209, Arizona State Museum and the University of Arizona.
- 2013 Nelson, Margaret C., Michelle Hegmon, Keith W. Kintigh, Ann P. Kinzig, Ben A. Nelson, John Marty Anderies, David A. Abbott, Katherine A. Spielmann, Scott E. Ingram, **Matthew A. Peoples**, Colleen A. Strawhacker, and Cathryn Meegan. "長期的脆弱性與恢復力: 美國西南部與墨西哥北部考古學研究的實例" In *考古學與永續發展研究*. Edited by 邱斯嘉 and 臧振華, pp. 93-117. 台北: 中央研究院人文社會科學研究中心考古學研究專題中心. (Research Center for the Humanities and Social Science, Center for Archaeological Research: Taipei)
- \*2013 Mills, Barbara J., John M. Roberts Jr., Jeffery J. Clark, William R. Haas Jr., Deborah Huntley, **Matthew A. Peoples**, Lewis Borck, Susan C. Ryan, Meaghan Trowbridge, and Ronald L. Breiger. The Dynamics of Social Networks in the Late Prehistoric U.S. Southwest. In *Network Analysis in Archaeology*, edited by Carl Knappett, pp. 185-206. Oxford University Press, Oxford.
- \*2012 Schachner, Gregson, Dennis Gilpin, and **Matthew A. Peoples**. Alternative Trajectories during the Early Pueblo Period in the Little Colorado Drainage and Beyond. In *Crucible of Pueblos: The Early Pueblo Period in the Northern Southwest*, edited by Richard H. Wilshusen, Gregson Schachner, and James R. Allison, pp. 101-126. Monograph 71, Cotsen Institute of Archaeology at UCLA, Los Angeles.
- \*2012 **Peoples, Matthew A.**, Gregson Schachner, and Edgar K. Huber. Rethinking Communities Across the Greater Zuni Region. In *Southwestern Pithouse Communities: A.D. 200-900*, edited by Sarah H. Herr and Lisa Young, pp. 168-182. University of Arizona Press, Tucson.
- \*2012 Nelson, Margaret C., Michelle Hegmon, Keith W. Kintigh, Ann P. Kinzig, Ben A. Nelson, John Marty Anderies, David A. Abbott, Katherine A. Spielmann, Scott E. Ingram, **Matthew A. Peoples**, Colleen A. Strawhacker, and Cathryn Meegan. Long-Term Vulnerability and Resilience: Three Examples from Archaeological Study in the Southwestern United States and Northern Mexico. In *Surviving Sudden Environmental Change: Answers from Archaeology*, edited by Jago Cooper and Payson Sheets, pp. 197-221. University Press of Colorado, Boulder, CO.
- \*2011 Spielmann, Katherine A., Margaret C. Nelson, Scott E. Ingram, and **Matthew A. Peoples**. Mitigating Environmental Risk in the U.S. Southwest. In *Sustainable Lifeways: Cultural Persistence in an Ever-changing Environment*, edited by Naomi F. Miller, Katherine M. Moore, and Kathleen Ryan, pp. 180-211. University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia.

***Selected Book Reviews, Technical Reports, and Other Minor Publications:***

- 2016 **Peoples, Matthew A.** Review of *Migration and Ethnicity in Middle-Range Societies: A View from the Southwest*, by Tammy Stone. *American Antiquity* 81(4):775.
- 2015 **Peoples, Matthew A.** Social Diversity and Demographic Change along the Edge of the Cibola World. Society for American Archaeology, Current Research Online.  
[http://www.saa.org/CurrentResearch/pdf/saa\\_cro\\_252\\_Social\\_Diversity\\_and\\_Demo.pdf](http://www.saa.org/CurrentResearch/pdf/saa_cro_252_Social_Diversity_and_Demo.pdf)
- 2013 **Peoples, Matthew A. (Issue editor and co-author)** Social Networks in the Distant Past. *Archaeology Southwest Magazine* 27(2). Co-authors: Barbara J. Mills, Jeffery J. Clark, W.R. Haas, Jr., John M.

Roberts, Jr., J. Brett Hill, Deborah Huntley, Lewis Borck, Ronald L. Breiger, Aaron Clauset, M. Steven Shackley. <http://www.archaeologysouthwest.org/what-we-do/information/asw/asw27-2/>  
Download full issue [here](#).

- 2010 **Peeples, Matthew A.** Review of *Chaco's Northern Prodigies: Salmon, Aztec and the Ascendancy of the Middle San Juan after A.D. 1100*, edited by Paul Reed. *Utah Archaeology* (2007) 20(1):57-60.
- 2009 **Peeples, Matthew A.** Salinas Demography. In *Salinas Contributions to the Study of Long Term Coupled Socioecological Change in the Southwest and Northern Mexico*. Katherine A. Spielmann, Scott Ingram, Stephanie Kulow, **Matthew A. Peeples**, and Cathryn Meegan. Report submitted to the Western National Parks Associations and Salinas Pueblo Missions National Monument
- 2007 **Peeples, Matthew A.** *A Cultural Resource Survey for the Zuni Forest Unit Timber Sale, Zuni Indian Reservation, McKinley County, New Mexico*. Zuni Cultural Resource Enterprise Report No. 988, Zuni, New Mexico.
- 2007 **Peeples, Matthew A.** *A Cultural Resource Survey for the Proposed Eriacho Unit Hazard Fuels Reduction Project, Zuni Indian Reservation, Cibola County, New Mexico*. Zuni Cultural Resource Enterprise Report No. 987, Zuni, New Mexico.

## **Grants and Other Support**

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### External Research Grants - PI/Co-PI

- 2014 National Science Foundation, Archaeology Program, Senior Research Grant - \$192,173  
Regional Identities, Social Diversity, and Demographic Change along the Edge of the Cibola World  
PI: Matthew Peeples, Co-PIs: Paul Reed (Archaeology Southwest) and Gregon Schachner (UCLA)
- 2014 Colorado Plateau, Cooperative Ecosystems Study Unit (CESU) Research Award - \$20,000  
Ceramic Sourcing Study for El Malpais National Monument  
PI: Paul Reed, Co-PI: Matthew Peeples
- 2009 National Science Foundation Doctoral Dissertation Improvement Grant - \$10,000  
Social Transformations and Regional Scales of Identity in the Cibola World (AD 1150-1325)  
PI: Keith Kintigh, Co-PI: Matthew Peeples
- 2009 Wenner-Gren Foundation Dissertation Fieldwork Grant - \$8,934  
Social Transformations and Regional Scales of Identity in the Cibola World (AD 1150-1325)  
PI: Matthew Peeples

### External Research Grants - Senior Project Personnel/Proposal Co-author

- 2014 National Science Foundation, Archaeology Program, Collaborative Research Grant - \$279,019  
Exploring Adaptive Social Networks in the Face of Geographic Adversity  
University of Arizona, School of Anthropology and Archaeology Southwest  
PI: Barbara J. Mills and Jeffery J. Clark; senior personnel and proposal co-author – Matthew Peeples

### Minor Internal Research/Travel Grants

- 2011 Travel Grant: Graduate and Professional Student Association, ASU - \$733
- 2010 Travel Grant: Graduate and Professional Student Association, ASU - \$700
- 2009 School of Human Evolution & Social Change Special Research Grant Funding, ASU - \$1,900
- 2008 School of Human Evolution & Social Change Graduate Research Grant, ASU - \$750
- 2008 Museum Collections Research Award: Museum of Anthropology, ASU - \$1,000
- 2005 Travel Grant: Graduate and Professional Student Association, ASU - \$500

## **Scholarships, Fellowships, and Other Awards**

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### Scholarships and Fellowships

2010-2011 Arizona State University Graduate College Dissertation Fellowship  
 2010 Fred Plog Memorial Fellowship, Society for American Archaeology  
 2007-2010 National Science Foundation Graduate Research Fellowship (deferred 2005-2007)  
 2005 Thomas Carhart Fellowship: Crow Canyon Archaeological Center, Cortez, CO  
 2004-2007 University Graduate Scholarship: Arizona State University  
 2002-2003 James F. and Bernice Hinton Endowed Presidential Scholarship: University of Texas at Austin

#### Other Awards and Honors

2014 Society for American Archaeology Dissertation Award  
 2008 Museum Collections Research Award: Museum of Anthropology, ASU  
 2007 First Place, Ruppé Prize in Archaeology: School of Human Evolution & Social Change, ASU  
 2002 Phi Beta Kappa National Honor Society  
 2001-2002 Lambda Alpha, national anthropology honor society (president of UT Chapter)

#### Teaching and Advising

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##### Courses offered at Arizona State University:

ASB 335: Ancient Ruins of the Southwest (online)  
 ASB 335: Ancient Ruins of the Southwest (in person)  
 ASB 394: "Mythbusters": Frauds, Myths, and Mysteries in Archaeology  
 ASB 568: Intrasite Research Strategies in Archaeology  
 ASB 790: Reading and Conference – Social Network Analysis in Archaeology

##### Methods Workshop

Formal Approaches to Qualitative Comparative Analysis (QCA), short course for the Institute of Social Science Research at Arizona State University, December 2016

##### Advising and Training: \* = year degree completed

###### *Undergraduate Students*

Garrett Trask (advisor, undergraduate research assistant)\* 2011  
 Alexandra Norwood (committee member, senior honors thesis)

###### *MA Students*

Mechell Frazier (committee member)\* 2016

###### *PhD Students*

Adrian Chase (committee member)  
 Nicolas Gauthier (committee member)  
 Sarah Oas (committee member)  
 Jonathan Paige (committee member)  
 Caitlin Wichlacz (committee member and RA supervisor)

#### Selected Professional Service

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Ongoing Reviewer for journals/presses: *American Anthropologist*, *American Antiquity*, *Frontiers in the Digital Humanities*, *Journal of Archaeological Method and Theory*, *Journal of Archaeological Research*, *Journal of Archaeological Science*, *Journal of Archaeological Science: Reports*, *The Kiva*, *Quaternary International*, Oxford University Press, and others.  
 2016-present ASU Representative and Executive Board Member, Human Relations Area Files (HRAF)  
 2016-present President, Southwest Symposium Executive Board  
 2014-2016 Member, Southwest Symposium Executive Board  
 2012-2014 Society for American Archaeology, Fred Plog Memorial Fellowship Award Committee

- 2010-2016 Proposal reviewer, University of Missouri Research Reactor Archaeometry Lab, National Science Foundation Neutron Activation Analysis Subsidy Program
- 2010 Graduate Representative, Archaeology hiring committee, School of Human Evolution & Social Change, Arizona State University
- 2008, 2010 Grant reviewer, Graduate and Professional Student Association, Arizona State University
- 2008 Graduate Student Representative, search committee for Graduate Academic Success Specialist, School of Human Evolution & Social Change, Arizona State University
- 2005-2006 Secretary/Publications Officer of the Association of Anthropology Graduate Students, ASU
- 2001-2002 President of the University of Texas at Austin chapter of Lambda Alpha, the National Anthropology Honors Society

### **Conference Presentations (\* invited)**

#### **Student co-authors underlined**

- \*2016 **Peeples, Matthew A.**, Barbara J. Mills, Jeffery J. Clark, Benjamin Bellorado, and Thomas Windes. Social Networks and the Scale of the Chaco World. Paper presented at the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology, Orlando, FL. April 6-10.
- \*2016 Giomi, Evan and **Matthew A. Peeples**. Pueblo Bonito as a Material and Spatial Network. Paper presented at the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology, Orlando, FL. April 6-10.
- 2016 Roberts, John M., Jr., **Matthew A. Peeples**, Barbara J. Mills and Ronald Breiger. Filtering Methods in the Archaeological Context. Paper presented at the 36<sup>th</sup> Annual International Sunbelt Social Network Conference, Newport Beach, CA. April 5-10.
- \*2015 **Peeples, Matthew A.** Scales of Identity and Scales of Analysis in Western New Mexico. Paper presented at 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, San Francisco. April 15-19.
- 2014 Kintigh, Keith and **Matthew A. Peeples**. Estimating Population Growth from Settlement Data: A Modeling Approach. Paper presented at the Computer Applications and Quantitative Methods in Archaeology (CAA) Annual Meeting, Paris. April 22-25.
- \*2014 **Peeples, Matthew A.**, Jeffery J. Clark, William H. Doelle, Andy Laurenzi, and Barbara J. Mills. The Role of Synthesis in Research and Preservation: The NHPA and Beyond. Paper presented at the Fall Conference of the Arizona Archaeological Council, Mesa, AZ. November 7.
- \*2014 **Peeples, Matthew A.** and Gregson Schachner. Comparing the Nature of Aggregation across the Zuni Region. Paper presented at the 79<sup>th</sup> Annual Meeting of the Society for American Archaeology, Austin, TX. April 23-27.
- \*2014 Dungan, Katherine and **Matthew A. Peeples**. Geography, Geometry, and Religious Transformation: Great Kivas and Social Change along the Southern Colorado Plateau and Mogollon Highlands. Paper presented at the 79<sup>th</sup> Annual Meeting of the Society for American Archaeology, Austin, TX. April 23-27.
- \*2014 Mills, Barbara J. and **Matthew A. Peeples**. Reframing Diffusion through Social Network Theory. Paper presented at the 14th biennial Southwest Symposium. Las Vegas, NV. January 14-16.
- \*2014 Ownby, Mary F., **Matthew A. Peeples**, Jeffrey Ferguson, and Deborah Huntley. Chemistry and Connections: Utilizing Neutron Activation Analysis and Social Network Analysis to Track Large-scale Patterns of Ceramic Consumption and Distribution. Paper presented at the 14th biennial Southwest Symposium. Las Vegas, NV. January 14-16.

- \*2013 Mills, Barbara J., **Matthew A. Peeples**, Jeffery J. Clark, and John M. Roberts, Jr. How Migrants in Diaspora Overcame Inequality in the Late Prehispanic Southwest: A Social Network Approach. Paper presented at the 112<sup>th</sup> annual meeting of the American Anthropological Association, Chicago, IL. November 20-24.
- \*2013 McGovern, Thomas H., Jette Arneborg, Seth Brewington, Laura Comeau, Andrew Dugmore, George Hambrecht, Keith Kintigh, Christian Koch Madsen, Michelle Hegmon, Scott Ingram, Margaret C. Nelson, Richard Oram, **Matthew A. Peeples**, Brenda Shears, Ian Simpson, Konrad Smiarowski, Grant Snitker, Katherine Spielmann, Colleen Strawhacker, Andrea Torvinen, Orri Vésteinsson. Completed Long Term Experiments? Mobilizing Archaeology in the Anthropocene. Paper presented at the XIII Nordic TAG meeting, Reykjavik, Iceland. April 21-25.
- \*2013 **Peeples, Matthew A.** Social Networks and Material Diversity in Population Centers and Frontiers: An Example from the Chaco World. Paper presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, Honolulu, HI. April 3-7.
- \*2013 Mills, Barbara J., **Matthew A. Peeples**, W. R. Haas, Jr., Lewis Borck, Jeffery J. Clark, John M. Roberts, Jr. Multiscaler Perspectives on Social Networks in the Late Prehispanic Southwest. Paper presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, Honolulu, HI. April 3-7.
- \*2013 Nelson, Margaret C., Scott Ingram, **Matthew A. Peeples**, Keith W. Kintigh, Michelle Hegmon, Andrew Dugmore. Vulnerabilities and Securities: Can people be buffered from the impact of rare, extreme climate events? Paper presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, Honolulu, HI. April 3-7.
- 2013 Torvinen, Andrea, Michelle Hegmon, Ann Kinzig, Margaret Nelson, **Matthew A. Peeples**, Karen Schollmeyer, Colleen Strawhacker. Transformation without Collapse: Three Cases from the American Southwest. Paper presented at the 29<sup>th</sup> Annual Visiting Scholar Conference, Center for Archaeological Investigations, Southern Illinois University, Carbondale.
- 2013 Reed, Paul and **Matthew A. Peeples**. The Acoma Origins Project. Presented at Big MACC (Big Meeting at Crow Canyon), Cortez, CO.
- \*2012 **Peeples, Matthew A.** and Wm. R. Haas, Jr. Filling in the Gaps: Brokerage in Social Networks across the American Southwest. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, Memphis, TN.
- \*2012 Clark, Jeffery, M. Steven Shackley, J. Brett Hill, Wm. R. Haas, Jr., and **Matthew A. Peeples**. Long Distance Obsidian Circulation in the late Pre-Contact Southwest: Deviating from Distance-Decay. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, Memphis, TN.
- \*2012 Borck, Lewis, Jeffery Clark, Barbara J. Mills, and **Matthew A. Peeples**. The Structural Setting of Migration: Network Organization and the Kayenta Area Depopulation of the Late 13<sup>th</sup> Century. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, Memphis, TN.
- \*2012 Mills, Barbara J., Jeffery Clark, Wm. R. Haas, Jr., **Matthew A. Peeples**, and Lewis Borck. The Topology of Persistence: Network Analysis and Southwest Settlement Stability, A.D. 1200-1500. Paper presented at the 77<sup>th</sup> annual meeting of the Society for American Archaeology, Memphis, TN.
- \*2012 Mills, Barbara J., Jeffery Clark, **Matthew A. Peeples**, William R. Haas, Jr., Lewis Borck, and John M. Roberts, Jr. Dynamic Network Analysis: Stability and Collapse in the U.S. Southwest, A.D. 1200-1500.



Paper presented at The Connected Past: People, Networks and Complexity in Archaeology and History symposium, University of Southampton.

- \*2011 Ingram, Scott E., Andrew Dugmore, Jette Arneborg, George Hambrecht, Michelle Hegmon, Keith Kintigh, Thomas McGovern, Margaret Nelson, Richard Oram, **Matthew A. Peeples**, Katherine Spielmann, Orri Vesteinsson. Climatic Hazards and Social Transformations in the North Atlantic Region and the U.S. Southwest, 900 to 1500 C.E. Paper presented at the International Congress of Arctic Social Sciences Conference, Akureyri, Iceland.
- \*2011 **Peeples, Matthew A.** Ceramic Technological Variation and Social Change across the Pueblo III to Pueblo IV Transition. Paper presented at the 76<sup>th</sup> annual meeting of the Society for American Archaeology, Sacramento, California.
- 2011 Hegmon, Michelle, **Matthew A. Peeples**, Margaret C. Nelson, Jerry Howard, and David Abbott. Social Change and Path Dependence: Examining Regime Shifts in the Archaeology of the US Southwest. Paper presented at Resilience 2011 Conference, Tempe Arizona.
- 2011 Hegmon, Michelle, Jerry Howard, Michael O'Hara, and **Matthew A. Peeples**. Seeds of Success, Seeds of Failure?: The Long-Term Trajectory of Prehistoric Hohokam Irrigation in Arizona. Paper presented at the Annual Conference of the American Society for Environmental History in Phoenix, AZ.
- 2011 Hegmon, Michelle, **Matthew A. Peeples**, Margaret C. Nelson, Jerry Howard, and David Abbott. Social Change and Path Dependence: Examining Regime Shifts in the Archaeology of the U.S. Southwest. Paper presented at the Resilience 2011 conference in Tempe, AZ.
- \*2010 **Peeples, Matthew A.** The Zuni Region across the Lost Century. Paper presented at the 12<sup>th</sup> Biennial Southwest Symposium in Hermosillo, Sonora, MX.
- 2009 **Peeples, Matthew A.** Social Transformations at Regional Scales in the U.S. Southwest. Paper presented at the 42<sup>nd</sup> Annual Chacmool Conference in Calgary, Alberta, CA.
- 2009 **Peeples, Matthew A.** Alternatives to Ethnic Models of Regional Scale Social Organization. Paper presented at the 74<sup>th</sup> annual meeting of the Society for American Archaeology, Atlanta, Georgia.
- \*2009 Anderies, John M., and **Matthew A. Peeples**  
Niche Construction and Food Production Strategies in Arid Environments. Paper presented at the Dynamic Desserts: Resource Uncertainty in Arid Environments, Second annual Frontiers in Life Sciences Conference Series, Tempe AZ, February 2009.
- \*2009 Spielmann, Katherine, Margaret Nelson, Scott Ingram, and **Matthew A. Peeples**  
Mitigating Agricultural Risk in Arid Environments. Paper presented at the Dynamic Desserts: Resource Uncertainty in Arid Environments, Second annual Frontiers in Life Sciences Conference Series, Tempe AZ, February 2009.
- 2008 Hegmon, Michelle, **Matthew A. Peeples**, Ann Kinzig, Stephanie Kulow, Cathryn M. Meegan, and Margaret C. Nelson. The Rigidity Trap and Social Transformation: Archaeological Applications. Paper presented at the Resilience 2008 International Science and Policy Conference in Stockholm, Sweden.
- \*2008 **Peeples, Matthew A.** and John M. Anderies. Niche Construction and the Transition to Agriculture along the Upland Colorado Plateau. Paper presented at the 72<sup>nd</sup> annual meeting of the Society for American Archaeology, Vancouver, British Columbia.

- \*2007 Nelson, Ben and **Matthew A. Peeples**. Cosmological Practice and Social Complexity in Northern and Central Mexico. Paper presented at the Cosmology and Society in the Ancient Amerindian World conference organized by George J. Gumerman III and Timothy Pauketat, Santa Fe Institute, Santa Fe, New Mexico, October 2007.
- \*2007 Schachner, Gregson and **Matthew A. Peeples**. The Early Pueblo Period in the Cibola Area. Presented at the Early Pueblo World Conference, sponsored by SWCA, Inc. and the Ute Mountain Ute Tribe, Towaoc, Colorado, August 2007.
- \*2007 Hegmon, Michelle, Margaret Nelson, **Matthew A. Peeples**, Cathryn Meegan, Stephanie Kulow, and Ann Kinzig. Human and Regional Scale Perspectives on Transformation in the U.S. Southwest: Mimbres, Mesa Verde and Hohokam. Paper presented at the 72<sup>nd</sup> annual meeting of the Society for American Archaeology, Austin, Texas.
- \*2007 Kintigh, Keith, and **Matthew A. Peeples**. Estimating Population Growth from Settlement Data: A Modeling Approach. Paper presented at the 72<sup>nd</sup> annual meeting of the Society for American Archaeology, Austin, Texas.
- 2005 Schmich, Steven, Michael Barton, and **Matthew A. Peeples**. Resilience Lost: Intersecting Landuse and Landscape Dynamics in the Upland Southwest. Paper presented at the 104<sup>th</sup> annual meeting of the American Anthropological Association, Washington, D.C.

## **Conference Posters**

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### *Student co-authors underlined*

- 2016 Schollmeyer, Karen and **Matthew A. Peeples**. Population Changes and Intraregional Variability in the Mimbres Region of Southwest New Mexico, A.D.1000-1450. Poster presented at the 81<sup>st</sup> Annual Meeting of the Society for American Archaeology, Orlando, FL.
- 2015 Laurenzi, Andy, **Matthew A. Peeples**, and William H. Doelle. The Salado Preservation Initiative: Combining Research with Regional Preservation Planning. Poster presented at 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, San Francisco.
- 2015 Bernardini, Wes and **Matthew A. Peeples**. Sight Communities in the American Southwest. Poster presented at 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, San Francisco.
- 2013 Andrea Torvinen, Michelle Hegmon, **Matthew A. Peeples**, Will Russell, Karen Schollmeyer, Laura Swantek. Assessing the Role of Diversity in the Resilience of Social-Ecological Systems in the U.S. Southwest. Poster Presented at the 78<sup>th</sup> annual meeting of the Society for American Archaeology, Honolulu, HI.
- 2012 **Peeples, Matthew A.** and Gregson Schachner. Scrutinizing a Common Tool in the Archaeologist's Toolbox: The Effects of Sampling and Regional Variation in Ceramic Seriation on the Interpretation of Population Movement and Demography. Poster Presented at the 13<sup>th</sup> biennial Southwest Symposium, Albuquerque, NM.
- 2012 Mills, Barbara J., Lewis Borck, Jeffery J. Clark, Wm. Randall Haas, Jr., **Matthew A. Peeples**, John M. Roberts, Jr. Multiscalar Perspectives on Southwest Social Networks, A.D. 1200-1500. Poster Presented at the 13<sup>th</sup> biennial Southwest Symposium, Albuquerque, NM.
- 2012 Haas, Wm. Randall, Jr., Jeffery J. Clark, Barbara J. Mills, Lewis Borck, Brett Hill, Deborah Huntley, **Matthew A. Peeples**, Susan C. Ryan, M. Steven Shackley, Meghan A. Trowbridge. The Southwest

Social Networks Database: Late Prehispanic Artifact Distributions in the Western U.S. Southwest. Poster Presented at the 13<sup>th</sup> biennial Southwest Symposium, Albuquerque, NM.

- 2011 Trask, Garrett and **Matthew A. Peeples**. Ceramic Design and Changing Scales of Social Interaction across the Cibola Region. Poster presented at the 76<sup>th</sup> annual meeting of the Society for American Archaeology. Sacramento, California.
- 2010 **Peeples, Matthew A.** Ceramic Technology and Social Distance across the Cibola World: A.D. 1150-1325. Poster presented at the 75<sup>th</sup> annual meeting of the Society for American Archaeology. St. Louis, Missouri.
- 2010 Torvinen, Andrea and **Matthew A. Peeples**. A Multi-Dimensional Analysis of Exchange and Violence in West-Central New Mexico. Poster presented at the 12<sup>th</sup> biennial Southwest Symposium. Hermosillo, Sonora, MX.
- 2008 **Peeples, Matthew A.** and Gregson T. Schachner. Long-term Patterns of Settlement along the Zuni River Drainage. Poster presented at the 11<sup>th</sup> biennial Southwest Symposium. Tempe, Arizona.
- 2008 Strawhacker, Colleen, Margaret Nelson, Karen Schollmeyer, Steven Swanson, **Matthew A. Peeples**, and Michelle Hegmon. Interaction and Diversity in the Post-Classic Mimbres World: An Overview of the 2007 Field Season. Poster presented at the 20<sup>th</sup> Anniversary Southwest Symposium. Tempe, AZ.
- 2006 **Peeples, Matthew A.**, Robert Cox, and Tanjot Bhatia. The Prehistoric Agricultural Landuse Model (PALM): Exploring the links between decision making and change in complex socio-ecological systems. Computer Simulation presented at the Archaeological Sciences of the Americas Symposium, Tucson, Arizona.
- 2006 **Peeples, Matthew A.**, C. Michael Barton and Steven Schmich. Subsistence and Long-term Landuse along the middle Chevelon Creek Drainage, AZ. Poster presented at the 71st annual meeting of the Society for American Archaeology, San Juan, Puerto Rico.
- 2005 Kelly, Sophia, **Matthew A. Peeples**, Jason Sperinck, M. Scott Thompson, Keith Kintigh, and Greg Schachner. Small Site Testing in the El Morro Valley, New Mexico. Poster presented at the 70th annual meeting of the Society for American Archaeology, Salt Lake City, Utah

### **Selected Research Workshops and Seminars**

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- 2015 Contrasting Kayenta and Mesa Verde Migrations  
Amerind Foundation Research Seminar, Dragoon, AZ  
Organized by Jeffery J. Clark, September 9-12th
- 2015 Settlement Scaling in Pre-modern Societies  
Santa Fe Institute Working Group, Santa Fe, NM  
Organized by Luis Bettencourt, José Lobo, Scott Ortman, and Michael Smith, June 9th-12th
- 2014 Social Change in the Context of Climate Challenges: Issues in Coupled Natural Human System  
Santa Fe Institute Working Group, Santa Fe, NM  
Organized by Margaret C. Nelson and Timothy Kohler, May 26th-29th
- 2013 Social Identity in Frontier and Borderland Communities of the North American Southwest  
Amerind Foundation Seminar, Dragoon, AZ  
Organized by Karen Harry and Sarah Herr. November 14th-17th

- 2013 Collaborative working group meeting between NABO (North Atlantic Biocultural Organization) and LTVTP (Long-Term Vulnerability and Transformation Project)  
National Science Foundation and Wenner-Gren Foundation supported collaborative research meeting, Akureyri, Iceland
- 2012 The Dynamics of Social Networks in the Late Prehispanic Southwest  
School for Advanced Research (SAR), Santa Fe, NM  
Research Team Seminar focused on the Southwest Social Networks Project
- 2012 Social Responses to Climate Change in the U.S. Southwest and North Atlantic: Long-Term Human Ecodynamics. Collaborative working group meeting between NABO (North Atlantic Biocultural Organization) and LTVTP (Long-Term Vulnerability and Transformation Project)  
Wenner-Gren Foundation supported collaborative research meeting, San Diego, CA.
- 2011 Collaborative working group meeting between NABO (North Atlantic Biocultural Organization) and LTVTP (Long-Term Vulnerability and Transformation Project)  
National Science Foundation supported collaborative meeting at the University of Edinburgh, Scotland
- 2010 Resilience and Vulnerability to Climate Change: A Collaboration between NABO (North Atlantic Biocultural Organization) and LTVTP (Long-Term Vulnerability and Transformation Project)  
National Science Foundation supported meeting at Amerind Foundation, Dragoon, AZ
- 2008 Archaeology and Sustainability IHOPE (Integrated History and Future of People on Earth) project  
Santa Fe Institute Working Group, Santa Fe, NM. <http://www.aim.es.ucar.edu/ihope/>

### **Selected Recent Fieldwork and Research**

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- 2016-present Colorado Plateau, Cooperative Ecosystems Study Unit (CESU) Research Award  
Ceramic Sourcing Study for El Malpais National Monument, Co-PI and Analyst  
Description: Analysis of ceramic surface collections from Las Ventanas Great House within the El Malpais National Monument. Project includes typological analyses along with a large, neutron activation and petrography ceramic sourcing study. With Paul Reed and Mary Ownby
- 2015 Inventory and Monitoring Geodatabase Development for Agua Fria National Monument and Perry Mesa Archaeological District.  
Description: Field and database project focused on using data generated by citizen scientists to update and approve archaeological site management data for the Perry Mesa Archaeological district on the Bureau of Land Management Agua Fria National Monument.
- 2014-present Regional Identities, Social Diversity, and Demographic Change along the Edges of the Cibola World. National Science Foundation Archaeology Program. Principal Investigator.  
Description: Field and collections based project focused on evaluating the geographic and demographic circumstances that variously encourage the formation of discrete social identities or the long-term maintenance of social diversity across a large portion of western New Mexico.
- 2014-present The Dynamics of Chacoan Social and Spatial Networks, AD 800-1200: National Science Foundation Archaeology program. University of Arizona and Archaeology Southwest.  
Description: Senior project personnel and proposal co-author. Project focused on applying network models and methods to the organization and spread of Chacoan developments across the northern Southwest.
- 2011-2015 Southwest Social Networks Project: National Science Foundation Human Social Dynamics program. University of Arizona and Archaeology Southwest.

Description: Post-doctoral researcher and senior personnel, project focused on applying methods and models from social network analysis to explorations of the late prehispanic U.S. Southwest.

- 2012-2015 Cultural Resources Priority Planning in the U.S. Southwest. Archaeology Southwest, with Andy Laurenzi, William Doelle, and others.  
Description: Project focused on developing cultural resource planning efforts in partnership with local communities, agencies, tribal entities, and other stakeholders. The goal of these efforts is to develop a comprehensive vision for how to identify, describe, evaluate, locate, and protect the places of our past using regional cultural resource databases, expert knowledge, and on-the-ground site assessments.
- 2011-2016 Long-Term Vulnerability and Transformation Project: National Science Foundation Dynamics of Coupled Natural-Human Systems program. Arizona State University.  
Description: Project team member, project focused on exploring the impact of different kinds of social and ecological diversity in regional socioecological systems in the U.S. Southwest and Mexican Northwest.

### **Selected Public Presentations**

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- 2016 Osher Lifelong Learning Institute course: The Social Impacts of Ceramic Exchange (Caitlin Wichlacz and Matthew Peeples), November 7<sup>th</sup>, Phoenix, AZ
- 2016 Networking your Way to Success in the Ancient Southwest. October 28<sup>th</sup>, Arizona State Museum, Tucson, AZ. Exhibit Opening “Pieces of the Puzzle”
- 2016 The Zuni Region across the “Lost Century” A.D. 1450-1540. April 18<sup>th</sup>, Casa Malpais Museum and Archaeological Park, Springerville, AZ.
- 2016 Chaco Social Networks. March 15<sup>th</sup>, Archaeology Southwest–Archaeology Café, Phoenix AZ.  
Video: <https://www.youtube.com/watch?v=ewVK171MuNc>
- 2015 Networking Your Way to Success in the Ancient Southwest. September 26<sup>th</sup>, Museums Day Live! Deer Valley Petroglyph Preserve, Phoenix, AZ.
- 2015 Cooking Pots and Zuni Culture: 13<sup>th</sup> Century Migrations and Changing Social Landscapes. January 19<sup>th</sup>, Southwest Seminars Series, Hotel Santa Fe, Santa Fe, NM
- 2014 The Zuni Region across the “Lost Century,” A.D. 1450-1540. November 18<sup>th</sup>, Archaeology Southwest Tea and Archaeology Presentation, Arizona Inn, Tucson, AZ.  
Video: <https://www.youtube.com/watch?v=HAFIzh27Lbw>
- 2014 Who Came Before?: Four part lecture series and tours focused on Tucson and Southern Arizona Archaeology (with William Doelle, Jeffery Clark, Henry Wallace, Bernard Siquieros, and Melissa Kruse-Peeples), October 2014, Western National Parks Association, National Parks Store, Tucson, AZ.
- 2014 Osher Lifelong Learning Series: Archaeology in Tucson, Past and Present. (with William Doelle, Jeffery Clark, and Allen Denoyer), September 2014, University of Arizona, Osher Lifelong Learning Institute, Tucson, AZ.
- 2014 The Zuni Region at European Contact. March 15<sup>th</sup>, Casa Malpais Museum and Archaeological Park, Springerville, AZ.
- 2013 The Tucson Basin and Beyond: Hohokam Population Trends in Context. November 5<sup>th</sup>, Arizona State Museum short course: Hohokam 101. ASM, Tucson, AZ.
- 2013 The Upper Little Colorado: Prehistoric Crossroads. August 19<sup>th</sup>, Little Colorado Chapter of the Arizona Archaeological Society, Casa Malpais Archaeological Park, Springerville, AZ. Organized in conjunction with the, Smithsonian Museums on Main Street - Journey Stories exhibit.
- 2013 The Zuni Region and the Southwest at the End of “Prehistory.” May 14<sup>th</sup>, Santa Catalina Corral of Westerners Organization, Tucson, AZ.
- 2013 The Zuni Region across the “Lost Century,” A.D. 1450-1540. March 21<sup>st</sup>, Old Pueblo Archaeology Center – Third Thursday Food for Thought, Tucson, AZ.

- 2013 How Migration Transformed Social Networks in the Late Prehispanic Southwest. March 19<sup>th</sup>, Archaeology Southwest – Archaeology Café, Phoenix, AZ  
Video: [http://www.archaeologysouthwest.org/what-we-do/information/video/ac\\_510/](http://www.archaeologysouthwest.org/what-we-do/information/video/ac_510/)
- 2013 Cooking Pots and Culture in the Zuni Region. March 5<sup>th</sup>, Archaeology Southwest – Archaeology Café, Tucson, AZ.  
Video: [http://www.archaeologysouthwest.org/what-we-do/information/video/ac\\_509/](http://www.archaeologysouthwest.org/what-we-do/information/video/ac_509/)
- 2012 Identity and Social Transformation in the Prehispanic Cibola World. May 21<sup>st</sup>, Arizona Archaeological and Historical Society, Tucson, AZ.
- 2012 The Long History of Community Ceramic Specialization in the Zuni/Cibola Region. February 13<sup>th</sup>, Arizona Archaeological Society, Agua Fria Chapter, Glendale, AZ.
- 2012 Social Transformation and Identity across the Cibola World: A.D. 1150-1325. January 25<sup>th</sup>, Lecture Series, University of Arizona, School of Anthropology, Tucson, AZ.
- 2011 Social Transformation across the Cibola World. March 19<sup>th</sup>, Casa Malpais Archaeology Month Event, Casa Malpais Archaeological Park, Springerville, AZ.
- 2011 Anasazi and Mogollon: Culture Change in the Cibola Region (A.D. 1150-1325). February 2<sup>nd</sup>, Presented for the Pueblo Grande Museum Auxiliary, Pueblo Grande Museum, Phoenix, AZ.
- 2009 Archaeological Cultures and Social Change across the Prehispanic Cibola World. September 19<sup>th</sup>, Casa Malpais Archaeology Day, Casa Malpais Archaeological Park, Springerville, AZ.