

CURRICULUM VITAE

Randall Haas

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EDUCATION

Ph.D., Anthropology, The University of Arizona, 2014. Dissertation Title: "Forager Mobility, Constructed Environments, and Emergent Settlement Hierarchy: Insights from Altiplano Archaeology."

M.A., Anthropology, Northern Arizona University, May 2003 (*with distinction*). Thesis Title: "The Social Implications of Basketmaker II Cordage Style Distribution."

B.A., Anthropology, Northern Arizona University, May 2001 (*magna cum laude*)

PROFESSIONAL APPOINTMENTS

2017-present Assistant professor, University of California Davis Department of Anthropology.

2016-2017 Postdoctoral research associate, University of Wyoming Department of Anthropology.

2014-2016 Postdoctoral research associate, University of Maryland Department of Anthropology.

REFEREED JOURNAL ARTICLES

Haas, Randall, Todd Surovell, and Matthew O'Brien
2018 Occupancy and the use of household space among the Dukha.
Ethnoarchaeology (in press).

Watson, James T., and Randall **Haas**
2017 Dental evidence for wild tuber processing among Titicaca Basin foragers 7000 ybp. *American Journal of Physical Anthropology* 164(1): 117-130. doi: 10.1002/ajpa.23261.

Haas, Randall, Mark S. Aldenderfer, and Michael C. Meyer
2017 Response to Comment on "Permanent human occupation of the central Tibetan Plateau in the early Holocene." *Science* 357(6351): eaam9444. doi: 10.1126/science.aam9444.

- Meyer, Michael C., D. L. Hoffmann, Mark S. Aldenderfer, Randall **Haas**, J. A. Dahl, Z. Wang, D. Degering, and Frank Schlütz
2017 Response to Comment on “Permanent human occupation of the central Tibetan Plateau in the early Holocene.” *Science* 357(6351): eaan8575. DOI: 10.1126/science.aan8575. doi: 10.1126/science.aan8575.
- Haas**, Randall, Ioana C. Stefanescu, Alexander Garcia-Putnam, Mark S. Aldenderfer, Mark T. Clementz, Melissa S. Murphy, Carlos Viviano Llave, and James T. Watson
2017 Humans permanently occupied the Andean highlands by at least 7 ka. *Royal Society Open Science* 4(6): 170331. doi: 10.1098/rsos.170331.
- Meyer, Michael C., Mark S. Aldenderfer, Z. Wang, D.L. Hoffmann, D. Degering, J.A. Dahl, Randall **Haas**, Frank Schlütz
2017 Permanent human occupation of the central Tibetan Plateau in the Early Holocene. *Science* 355 (6320): 64–67. doi:10.1126/science.aag0357.
- Downey, Sean S., Randall **Haas**, and Stephen J. Shennan
2016 European Neolithic societies showed early warning signals of population collapse. *Proceedings of the National Academy of Sciences*: 201602504. doi: 10.1073/pnas.1602504113.
- Haas**, Randall, Cynthia J. Klink, Greg J. Maggard, and Mark S. Aldenderfer
2015 Settlement-size scaling among prehistoric hunter-gatherer settlement systems in the New World. *PLoS ONE* 10(11):e0140127. doi:10.1371/journal.pone.0140127.
- Haas**, Randall, and Carlos Viviano Llave
2015 Hunter-gatherers on the eve of agriculture: insights from Soro Mik'aya Patjxa, Lake Titicaca Basin, Peru, 8000-6700 B.P. *Antiquity* 89(348):1297-1312. doi: 10.15184/aqy.2015.100.
- Mills, Barbara J., Matthew A. Peeples, Randall **Haas**, Lewis Borck, Jeffery J. Clark, and John M. Roberts Jr.
2015 Multiscalar Perspectives on social networks in the late prehispanic Southwest. *American Antiquity* 80(1): 3–24. doi: 10.7183/0002-7316.79.4.3.
- Mills, Barbara J., Jeffery J. Clark, Matthew A. Peeples, Randall **Haas**, John M. Roberts Jr., J. Brett Hill, Deborah L. Huntley, Lewis S. Borck, Ronald L. Breiger, Aaron A. Clauset, and M. Steven Shackley
2013 Transformation of social networks in the late pre-Hispanic US Southwest. *Proceedings of the National Academy of Sciences* 110(15): 5785–5790. doi: 10.1073/pnas.1219966110.
- Peeples, Matthew, and Randall **Haas**
2013 Brokerage and social capital in the prehispanic U.S. Southwest. *American Anthropologist* 115(2):232-247. doi: 10.1111/aman.12006.
- Roberts, John M. Jr., Barbara J. Mills, Jeffery J. Clark, Randall **Haas**, Deborah H. Huntley, and Meaghan A. Trowbridge
2012 A Method for chronological apportioning of ceramic assemblages. *Journal of Archaeological Science* 39(5):1513-1520. doi: 10.1016/j.jas.2011.12.022.
- Raichlen, David, Adam D Gordon, William E.H. Harcourt-Smith, Adam Foster, Randall **Haas**
2010 Laetoli footprints preserve earliest direct evidence of human-like bipedal biomechanics. *PLoS ONE* 5(3): e9769. doi: 10.1371/journal.pone.0009769.
- Bourke, Mary C., Randall **Haas**, James A. Brearly, and Heather A. Viles
2007 Fluvial features. In *An Atlas of rock breakdown features in geomorphic environments*, edited by M.C. Bourke and H.A. Viles, pp. 23-47. Planetary Sciences Institute, Tucson.

Haas, Randall

2006 The social implications of Basketmaker II cordage design distribution. *Kiva* 71(3): 275-298.

2002 Basketmaker II fiber industry of Boomerang Shelter, Utah: A Synthesis of Archaeological Data Analysis and Experimentation. *Kiva* 67:167-185.

OTHER WORKS**Haas, Randall**

2014 Forager mobility, constructed environments, and emergent settlement hierarchy: insights from Altiplano archaeology. Unpublished Ph.D. Dissertation, The University of Arizona, Tucson.

Mills, Barbara J, John M. Roberts, Jeffery J. Clark, Randall **Haas**, Deborah L. Huntley, Matthew A. Peeples, Lewis S. Borck, Susan C. Ryan, Meaghan A. Trowbridge, and Ronald L. Breiger

2013 The dynamics of social networks in the late prehispanic US Southwest. In *Network analysis in archaeology: new approaches to regional interaction*, edited by Carl Knappett, pp. 181-202. Oxford University Press, Oxford.

Haas, Randall, and Jacopo Tagliabue

2012 Prediciendo la coalescencia en los períodos Formativo y Tiwanaku en la Cuenca de Titicaca: un modelo simple basado en agentes (Predicting Formative and Tiwanaku period coalescence in the Titicaca Basin: a simple agent-based model). In *Arqueología de la cuenca del Titicaca, Perú*, edited by Luis Flores Blanco and Henry Tantaleán, 243-260. Instituto Francés de Estudios Andinos; Cotsen Institute of Archaeology at UCLA, Lima.

Haas, Randall

2010 Article Review: Network analysis and the emergent Japanese state. *Current Anthropology* 51:571.

2010 Article Review: Cahokia as a theater state. *Current Anthropology* 51:455-456.

2010 Article Review: Nasca heads for Nasca people. *Current Anthropology* 51:313.

2010 Flatbed scanners, GIS, and perishable artifact documentation. Society for American Archaeology Fiber and Perishable Interest Group Winter 2009/2010 Newsletter.

Haas, Randall

2003 *Phase II of A Cultural Resources Inventory of Northern Arizona University's Proposed Forest Treatment Areas, Coconino County, Arizona*. Northern Arizona Archaeological Report 1226c. Manuscript on file, Northern Arizona University Anthropology Laboratories, Flagstaff.

2002 *A Cultural Resources Inventory of Northern Arizona University's Proposed Forest Treatment Areas, Coconino County, Arizona*. Northern Arizona Archaeological Report 1226a. Manuscript on file, Northern Arizona University Anthropology Laboratories, Flagstaff.

2002 *An Archaeological Survey and Cultural Resources Survey for the Merriam-Powell Center for Environmental Research, Coconino County, Arizona*. Northern Arizona University Archaeological Report 1223. Manuscript on file at Northern Arizona University Anthropology Laboratories, Flagstaff.

Haas, Randall, and Michael R. Coughlan

2003 *A Cultural Resources Inventory for Northern Arizona University near Wild Bill Hill, Coconino County, Arizona*. Manuscript on file, Northern Arizona University Anthropology Laboratories, Flagstaff.

Haas, Randall, Christian E. Downum, and Ellen Brennan

2003 *Report of Findings: Prestabilization Documentation for Antelope House Pueblo (NA 625), Wupatki National Monument*. Manuscript on file, Northern Arizona University Anthropology Laboratories, Flagstaff.

2003 *Report of Findings: Prestabilization Documentation for New Heiser Pueblo (NA 202), Wupatki National Monument*. Manuscript on file, Northern Arizona University Anthropology Laboratories, Flagstaff.

GRANTS, FELLOWSHIPS, AND SCHOLARSHIPS

2017 grant, ISS Junior Faculty grant, UC Davis Institute for Social Science. The Evolution of Human Cooperation and Animal Domestication: Archaeological Investigations of Possible Ancient Animal Traps in the Andes Mountains, Peru (\$4000).

2016 grant, June Frison Memorial Fund, George C. Frison Institute of Archaeology and Anthropology, University of Wyoming. An Ethnoarchaeology of Gran Chaccommunal Vicuña Drives in the Andean High Plains (\$2000).

2015 scholarship, University of Colorado, Building Capacity in Bayesian Analysis for Practicing Ecologists (NSF PCEP 1145200, principal investigator: Dr. Thomas Hobbs), tuition+stipend.

2008-2014 grants, Emil Haury Education Fund for Archaeology, The University of Arizona. seven awards for in support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (totaling \$4036).

2013 fellowship, The Marshall Foundation, Louise Foucar Marshall Foundation Graduate Fellowship, principal investigator (\$10,788 + tuition).

2013 grant, National Science Foundation, Doctoral Dissertation Improvement Grant: Settlement-Size Scaling and Economic Transformation in the Lake Titicaca Basin, Peru (BCS 1311626), co-principal investigator (\$25,200).

2013 grant, Graduate and Professional Student Council, The University of Arizona. Research and Project Grant: Radiocarbon Dating the Last Foragers of Lake Titicaca (\$1000).

2012 grant, American Philosophical Society, Lewis and Clark Fund for Exploration and Field Research: Late Archaic Period Settlement Hierarchy in the Lake Titicaca Basin, Peru, principal investigator (\$5000).

2012 grant, Social and Behavioral Sciences Research Institute, The University of Arizona. Dissertation Research Grant: Population hierarchy and egalitarian Hunter-Gatherers in the Lake Titicaca (award no. 12RD02; \$1000).

2010-2012 grants, Riecker Research Scholarship, The University of Arizona, three awards in support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (totaling \$2300).

2011 grant, GeoEye Foundation, Satellite Imagery Grant for the Ilave region of Peru, principal investigator (\$4000).

2011 grant, Mary Alice Sherry Helm Scholarship, The University of Arizona. In support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (\$350).

2010-2011 grants, William and Nancy Sullivan Scholarship, The University of Arizona. Two awards in support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (totaling \$2000).

2010 grant, Graduate Professional Student Council Travel Grant, The University of Arizona. In support of conference travel (\$500).

2010 grant, College of Letters, Arts, and Sciences, The University of Arizona. Dissertation Research Grant in support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (\$800).

2009-2010 grants, William Shirley Fulton Scholarship, The University of Arizona. Two awards in support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (totaling \$875).

2009 scholarship, Santa Fe Institute, Complex Systems Summer School (tuition+stipend).

2009 grant, Traditions, Transitions, and Treasures Fund, The University of Arizona. In support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (\$150).

2009 grant, Stanley R. Grant Scholarship, The University of Arizona. In support of archaeological field and laboratory research in the Lake Titicaca Basin, Peru (\$50).

2008 fellowship, National Science Foundation IGERT Program in Archaeological Science Traineeship, The University of Arizona (\$30,000).

2007-2012 fellowship, Graduate Research and Teaching Fellowship, Arizona State University (\$135,000, declined)

2007-2010 fellowship, Graduate Teaching Assistant Fellowship, University of California, Davis (\$87,900, declined).

2007-2009 scholarship, Frank Hibben Scholarship, University of New Mexico (\$30,000, declined).

College of Social and Behavioral Sciences Student Travel Grant, 2003, Northern Arizona University, Flagstaff, AZ

2000 grant, Hooper Undergraduate Research Grant, Northern Arizona University, (\$500).

1998-2001 scholarships, McDonald/Rolle Academic Scholarships, Northern Arizona University.

1998-2001scholarships, Craig Schondeck Memorial Academic Scholarship, Northern Arizona University.

HONORS AND AWARDS

2014 and 2010 1st Place, School of Anthropology Annual Photo Contest, The University of Arizona (\$300).

2001 Undergraduate Commencement Speaker, College of Social and Behavioral Sciences Commencement Speaker, Northern Arizona University.

2001 Outstanding Senior in Anthropology Award, Northern Arizona University.

2001 Runner-up, Julian Hayden Student Paper Competition, Arizona Archaeological and Historical Society.

INVITED TALKS

2017 The Andean ascent: How humans first settled the high altitudes of Peru 7000 years ago. [UC Davis Institute for Social Science, Davis](#) and [UC Riverside Department of Anthropology lecture series](#).

2017 The Andean Ascent: Forager colonization and the path to complexity on the South American High Plains. Wyoming Archaeological Society, Cheyenne Chapter, Cheyenne.

2016 Head Shaping among hunter-gatherers of the South American High Plains. Wyoming Archaeological Society, June Frison Chapter. Laramie.

2016 Forager mobility in constructed environments. University of Wyoming Department of Anthropology. Laramie.

2014 Foragers and the path to complexity: insights from the Lake Titicaca Basin Late Archaic Period, 7000-5000 BP. Washington University at St. Louis Department of Anthropology, St. Louis.

CONFERENCE SYMPOSIA ORGANIZED

2017 Archaeological perspectives on the evolution of forager cooperation. 82nd Annual Meeting for the Society of American Archaeology, Vancouver.

2017 High-elevation game drives and communal hunting. Recent Advances at High Elevation, Cody. Co-organized with Spencer Pelton.

2011 Archaeometry in fiber and perishables research. 76th Annual Meeting for the Society of American Archaeology, Sacramento. Co-organized with Sarah Kerchusky.

PAPERS AND POSTERS PRESENTED

Haas, Randall, Ioana Stefanescu, Alex Garcia-Putnam, Mark S. Aldenderfer, Mark T. Clementz, Melissa S. Murphy, Carlos Viviano Llave, and James T. Watson

2018 Testing for verticality among Archaic foragers of the Titicaca Basin. Paper presented at the 58th Annual Meeting of the Institute of Andean Studies, Berkeley. <http://www.instituteofandeanstudies.org/meetings.html>.

Garcia-Putnam, Alex, Randall **Haas**, Melissa S. Murphy, and Ioana Stefanescu

2017 Life up high: The first permanent inhabitants of the Peruvian Altiplano? Poster presented at the Western Bioarchaeology Group, Reno.

Haas, Randall, Ioana C. Stefanescu, and Alex Garcia-Putnam

2017 Colonizing the Andean high plains of South America. Paper presented at the Recent Advances at High Elevation Workshop, Cody.

Haas, Randall, James Watson, Carlos Viviano Llave, and Mark Aldenderfer

2017 The signaling and inheritance of cooperation: Artificial cranial modification among Altiplano foragers 7000 years ago. Paper presented at the 82nd Annual Meeting for the Society of American Archaeology, Vancouver.

Downey, Sean S., and Randall **Haas**

2017 Early Warning Signals of Demographic Collapse Detected in a Meta-Database of European Neolithic Radiocarbon Dates. Paper presented at the 82nd Annual Meeting for the Society of American Archaeology, Vancouver.

Surovell, Todd, Randall **Haas**, and Matthew O'Brien

2017 High-Precision Mapping of Human Behavior in Ethnographic Contexts, a New Tool for Ethnoarchaeology. Paper presented at the 82nd Annual Meeting for the Society of American Archaeology, Vancouver.

Haas, Randall, and James T. Watson

2017 Dental Evidence for Tuber Intensification in the Titicaca Basin, 7000 Years Ago. Paper presented at the 57th Annual Meeting of the Institute of Andean Studies, Berkeley. <http://www.instituteofandeanstudies.org/meetings.html>.

Haas, Randall, James Watson, Carlos Viviano Llave, and Mark Aldenderfer

2016 A forager origin for artificial cranial modification in the Andes and its implications. Paper presented at the Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory, Cambridge, MA.

Haas, Randall

2015 Forager mobility in constructed environments. Paper presented at the 80th Annual Meeting for the Society of American Archaeology, San Francisco.

2014 Residential Mobility, Site-Size Variation, and Archaic Foragers of the Altiplano. Paper presented at the 79th Annual Meeting for the Society of American Archaeology, Austin.

Kuhn, Steven, Randall **Haas**, and Luke Premo

2014 Are Individual Mobility Patterns Emergent from Resource Distributions? A Modeling Approach. Paper presented at the 79th Annual Meeting for the Society of American Archaeology, Austin.

Haas, Randall

2013 The forager-farmer transition in the Ilave Basin, Peru: site size, residential mobility, and neutral theory. Poster presented at the 53rd Annual Meeting of the Institute of Andean Studies, Berkeley.

Haas, Randall, and Barbara J. Mills

2012 Ceramics as agents: ware-affiliation networks in the Prehispanic Southwest. Paper presented at the 77th Annual Meeting for the Society of American Archaeology, Memphis.

Anderson, Derek, D. Shane Miller, and Randall **Haas**

2011 Reconceptualizing clovis mobility: sites and projectile point distributions in North America. Paper presented at the 76th Annual Meeting for the Society of American Archaeology, Sacramento.

Haas, Randall

2011 XRF Characterization of basalt flakestone in the Lake Titicaca Basin, Peru. Poster presented at the 76th Annual Meeting for the Society of American Archaeology, Sacramento.

2011 Archaic networks in the Ilave Drainage, Peru. Poster presented at the 51st Annual Meeting of the Institute of Andean Studies, Berkeley.

Haas, Randall

2010 Low-level food producers and the pursuit of game on the Rainbow Plateau, Arizona/Utah. Paper presented at the 75th Annual Meeting for the Society of American Archaeology, St. Louis.

Haas, Randall, Jeffrey C. Clark, Barbara J. Mills, Meaghan A. Trowbridge, Deborah L. Huntley, John Roberts, and Steven M. Shackley

2010 The Southwest Social Networks Project: a macro-regional social network approach to the Greater Southwest. Paper presented at XI Southwest Symposium, Hermosillo.

Huntley, Deborah L., Barbara J. Mills, Jeffrey C. Clark, et al.

2010 The Southwest Social Networks Project: a Mogollon perspective. Paper presented at the 16th Biennial Mogollon Archaeology Conference, Las Cruces, NM.

Haas, Randall, Mark S. Aldenderfer, Nathan M. Craig, and Claudia Rumold

2009 Late Archaic totora processing in the Titicaca Basin: evidence for early household craft production. Paper presented at the 74th Annual Meeting for the Society of American Archaeology, Atlanta.

Haas, Randall, James P. Holmlund, and Joseph P. Nicoli

2006 3D models in a 2D world: the benefits of adding a third dimension to architectural documentation. Paper presented at the 72nd Annual Meeting for the Society of American Archaeology, San Juan.

Bourke, Mary C., Randall **Haas**, James A. Brearley, and Heather A. Viles

2005 The surface fractures of 'pristine' flood-transported boulders. Paper presented at the 36th Annual Lunar and Planetary Science Conference, League City.

Haas, Randall

2005 A new twist on cordage: the social implications of design variation in Archaic and Basketmaker II cordage. Paper presented at the 70th Annual Meeting for the Society for American Archaeology, Salt Lake City.

2004 Colorado Plateau cordage variability during the transition to agriculture. Poster presented at the 77th Annual Pecos Conference, Bluff.

2002 Basketmaker II enculturative background: implications of low-visibility cordage style distribution on the Colorado Plateau. Paper presented at the 68th Annual Meeting for the Society for American Archaeology, Milwaukee.

RESEARCH EXPERIENCE

2009-present Director. The Altiplano Foragers Project.

2016 postdoctoral researcher, Dukha Ethnoarchaeological Project (NSF ASSP 1442166), University of Wyoming. Collaborators: Drs. Todd Surovell and Matt O'Brien.

2008-2014 research assistant, The University of Arizona. The Structure and Dynamics of Social Networks in the Southwest (HSD 0827007). Principal investigators: Drs. Barbara Mills (The University of Arizona) and Jeffrey Clark (Center for Desert Archaeology).

2009-2010 research assistant, The University of Arizona. Paleoclimatic Change, Landscape Evolution, and Cultural Transformations in Far Western Tibet from 2,500 Years Before the Present to the Present (HSD 0611320). Principal investigator: Dr. Mark Aldenderfer (UC Merced).

2008 crew chief. Paleoclimate, Landscape Evolution, and the Transformations of Prehistoric Agricultural Technology in the Western Lake Titicaca Basin, Peru (BCS 0720669). Principal investigators: Drs. Mark Aldenderfer (UC Merced) and Nathan Craig.

1999-2000 field crew and laboratory technician. Colorado Plateau Agricultural Origins Project, Flagstaff, AZ. Principal investigators: Dr. Francis E. Smiley (Northern Arizona University) and Michael Robins (Navajo Nation Archaeology Department).

SERVICE TO PROFESSION

Peer Review: *Science Advances* (2014, 2015, 2017x2), *American Antiquity* (2017, 2015x2), *Current Anthropology* (2012, 2015x2, 2016x3, 2017), *Advances in Archaeological Practice* (2014, 2016x2), *Journal of Archaeological Science* (2016), *International Journal of Osteoarchaeology* (2016), *American Journal of Human Biology* (2016), *Archaeological Research in Asia* (2017)

2008-2012 co-chair, Fiber and Perishable Interest Group, Society for American Archaeology.

TEACHING EXPERIENCE

Instructor of record, Ecological Anthropology, Fall 2011, Summer 2012, and Summer 2013, The University of Arizona.

Instructor of record, Patterns in Prehistory, Summer 2011, The University of Arizona.

Teaching assistant, Complexity and Anthropology (graduate seminar), Spring 2013, The University of Arizona. Instructor of record: Dr. J. Stephen Lansing.

Teaching assistant, Principles of Archaeology, Spring 2012, The University of Arizona. Instructor of record: Dr. Lars Fogelin.

Teaching assistant, The Origins of Human Diversity, Fall 2010 and Fall 2012, The University of Arizona. Instructor of record: Dr. Takeshi Inomata.

Teaching assistant, The Origins of Human Diversity, Spring 2011, The University of Arizona. Instructor of record: Dr. Mary Stiner.

Teaching assistant, Archaeological Field School, Summer 2001, Northern Arizona University field school at Wupatki National Monument. Instructor of record: Dr. Christian E. Downum.

Teaching assistant, Center for American Archeology Public Education Program, Summer 2000, Kampsville, IL. Instructor of record: Karen Atwell.

PUBLIC OUTREACH AND SELECTED MEDIA COVERAGE

2017 News Story: [Researchers Dig In To How Early Humans Thrived At High Altitudes](#). *Here and Now, National Public Radio*.

2017 News Article: [Hace más de 7 mil años, el altiplano andino del Perú ya estaba poblado](#). *El Mercurio*.

2017 News Article: [Life above the clouds in the Andes, 7,000 years ago](#). *USA Today*.

2017 News Article: [El ser humano se asentó en las tierras altas andinas hace 7.000 años](#). *Europa Press*.

2017 Blog: [People Lived in Chilly Andean Highlands Year-Round Over 7,000 Years Ago](#). *UC Davis Egghead*.

2017 News Article: [Researchers document early, permanent human settlement in Andes](#). *HeritageDaily*.

2017 News Article: [UW Researchers Document Early, Permanent Human Settlement in Andes](#). *University of Wyoming News*.

2017 News Article: [Archaeologists uncovering ancient peoples' widespread use of mountains](#). *Billings Gazette*.

2017 News Article: [Research Sheds New Light on High-Altitude Settlement in Tibet](#). *University of Wyoming News*.

2017 News Article: [Hunters lived on Tibetan plateau thousands of years earlier than thought](#). *Nature News*.

2017 News Article: [Footprints Found at Ancient Hot Springs Could Represent Earliest Settlement of Tibetan Plateau](#). *Smithsonian Magazine*.

2016 News Article: [This is what it looks like when society collapses](#). *Business Insider*.

2016 News Article: [Statistical study offers evidence of warning signs before Neolithic community collapse](#). *Phys.org*.

September 2016 Outreach Booth: "Andean Archaeology," Wyoming Archaeology Fair, Laramie.

April 2015 Outreach Booth: "Flintknapping: Making Stone Tools to Understand our Deep Past," Maryland Day, University of Maryland, College Park.

2013 [Artifacts shed light on social networks of the past](#). *Phys.org*.

2007-2009 Primary School Presentation: "Ancient Technology of the Tucson Basin: Ceramics, Stone-Tools, and Friction Fire," Miles Elementary School, Tucson, AZ (May 5, 2007); Wildcat Elementary School, Tucson, AZ (October 10, 2008; October 22-23, 2007); Primary School Presentation: Senita Valley Elementary School, Tucson, AZ September 21, 2009). A series of presentations developed for elementary and middle school students as part of an outreach project.

April 2000 Outreach Booth: "Flintknapping Demonstrations," Archaeology Day, Museum of Northern Arizona, Flagstaff, AZ.

July 2007 Primary School Workshop: "Mapping Puebloan Communities," Hopi Footprints Program, Northern Arizona University. Four-day workshop introducing Hopi youth to the prehistoric community of Keet Seel and mapping pueblos.

LANGUAGES

Spanish, conversational in reading, speaking, and writing

Navajo, proficient with dictionary in reading, speaking, and writing

PROFESSIONAL MEMBERSHIPS

2001-present member, Society for American Archaeology.

2009-present member, Collasuyo Archaeological Research Institute, Puno, Peru.

OTHER PROFESSIONAL POSITIONS

2006-2007 director of mapping and GIS services, Western Mapping Company, Tucson, AZ.

2003-2006 archaeological mapping specialist, Western Mapping Company, Tucson, AZ.

2001-2003 Laboratory coordinator, Northern Arizona University Anthropology Laboratories, Flagstaff, AZ.