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Education

- 2007 **Ph.D., Anthropology, University of California, Santa Barbara.**
Dissertation Title: *Quarries, Caravans, and Routes to Complexity: Prehispanic Obsidian in the South-Central Andes.*
Committee Members: Mark Aldenderfer (co-chair), Michael Jochim (co-chair), Katharina Schreiber, Keith Clarke (Geography).
- 2000 **M.A., Anthropology, University of California, Santa Barbara.**
Archaeology specialization.
- 1994 **B.A., Geography, University of Montana, Missoula.**
Minor in Forestry.

Research Interests

Andean prehistory, social complexity, exchange theory, ethnoarchaeology, ancient mining, geographic information systems and lithic analysis.

Publications

- In Prep. **Llama caravan transport in southern Peru.** For submission to anthropology journal.
- In Prep. **Anillo Obsidian Source, Arequipa, Peru.** Report for submission to a regional journal.
- In Prep. **Tripcevich, N.** and K. Vaughn (eds.) “**Mining and Quarrying in the Ancient Andes: Sociopolitical, Economic and Symbolic Dimensions**”, an edited volume in preparation with Springer.
- In Prep. **Tripcevich, N., J. Eerkens, T. Carpenter. Obsidian Hydration at High Elevation.** Manuscript for submission to Journal of Archaeological Science.
- In Press **Contreras, D.A., N. Tripcevich and Y. Cavero Palomino. Investigaciones en la fuente de la obsidiana tipo Quispisisa, Huancasancos- Ayacucho.** In *Proceedings of the XVI Congreso Peruano del Hombre y la Cultura Andina y Amazónica, Universidad Nacional Mayor de San Marcos, Lima, Peru, 2009.*
- 2011 **Tripcevich, N., and A. Mackay. Procurement at the Chivay Obsidian Source, Arequipa, Peru.** *World Archaeology*, Vol. 43, No. 2, pp. 271-297.
- 2011 **Tripcevich, N. and D.A. Contreras, Quarrying evidence at the Quispisisa Obsidian Source, Ayacucho, Peru.** *Latin American Antiquity*, Vol. 22, No. 1, pp. 121-136.
- 2010 **Tripcevich, N. and S.A. Wernke. On-Site Digital Recording of Excavation using GIS.** *Journal of Field Archaeology*, Vol. 35, No. 4, pp. 407-424.
- 2010 **Review of volume *The Archaeology of Mobility*, 2008, edited by H. Barnard and W. Wendrich, Cotsen Institute of Archaeology, Los Angeles. *Journal of Field Archaeology*, Vol. 35, No. 3, pp. 353-356.**

- 2010 Eerkens, J.W., K.J. Vaughn, M. Linares-Grados, C.A. Conlee, K. Schreiber, M.D. Glascock, and N. Tripcevich. **Spatio-temporal patterns in obsidian consumption in the Southern Nasca Region, Peru.** *Journal of Archaeological Science*, Vol. 37, No. 4, pp. 825-832.
- 2010 **Exotic goods, Chivay obsidian, and Sociopolitical change in the South-Central Andes.** In *Trade and Exchange: Archaeological Studies from History and Prehistory*, edited by C. Dillian and C. White. Springer Press, New York, pp. 59–73.
- 2009 **Tripcevich, N.** and W. Yépez Álvarez, 2009. **La fuente de obsidiana Chivay y su posición en los Andes Sur Centrales.** En *Arqueología del Área centro sur Andina: Actas del Simposio Internacional de Arqueología del Área Centro Sur Andina*, editores M. Ziolkowski, J. Jennings, L. A. Belén Franco and A. Drusini, pp. 127-152. vol. 7. Boletín del Centro de Estudios Precolombinos de la Universidad de Varsovia, Warszawa, Polonia.
- 2004 **Flexibility by Design: How mobile GIS meets the needs of archaeological survey.** *Cartography and Geographical Information Science*, Vol. 31, No. 3, pp. 137-151.
- 2004 **Interfaces: Mobile GIS in archaeological survey.** *The SAA Archaeological Record*, May 2004. Vol. 4, No. 3, pp 17-22.

Extramural Awards

- 2011 **National Geographic Committee for Research and Exploration grant (#8916-11), Prehispanic Obsidian Procurement at the Quispisisa Source, Ayacucho, Peru,** with Daniel A. Contreras. Examining quarrying and obsidian processing at a major source in southern Peru.
- 2007 **Howard Heinz Endowment for Archaeological Field Research in Latin America, Transport in the Ancient Andes,** an ethnoarchaeological study of contemporary, long-distance llama caravans bearing salt in Arequipa, Peru.
- 2006 **Student SAA Paper of the Year,** Int'l Association of Obsidian Studies.
- 2003 **National Science Foundation Dissertation Improvement Grant (#0331181).** Archaeological research at the Chivay obsidian source, Peru.
- 2003 **Proyecto Ch'amak Pacha, ESRI 2003 Special Achievement in GIS award.**
- 2001 **California Space Grant.** Funding for applying remote sensing technology to regional archaeological research in the Andes.

Intramural Awards

- 2009 **Stahl Fund,** UC Berkeley Archaeological Research Facility
- 2008 **Stahl Fund,** UC Berkeley Archaeological Research Facility
- 2006 **Anthropology of Technology Prize,** UC Santa Barbara Anthropology
- 2006 **Graduate Division Dissertation Fellowship**
- 2005 **Travel Grant, UCSB Graduate Division,** Award to present at the *Simposio sobre Arqueología del Área Centro Sur Andina*, Arequipa, Perú.
- 2002 **Dissertation Proposal Writing Fellowship, UCSB Graduate Division.**
Fee Fellowship, UCSB Anthropology
 Periodic fee waivers

Professional Experience

- July 2010 **Workshop: NASA Space Archaeology Program.** A three day workshop on remote sensing and GIS in archaeology taught by archaeologists and NASA scientists at UC Berkeley's Geographical Innovation Facility.
- Aug 2009 **Surface survey and mapping at the Quispisisa Obsidian Source, Peru.** Geoarchaeological study of surface features in the vicinity of a quarry.
- July 2009 **Geophysical survey at Peyre Blanque, Ariège, France.** Magnetometer survey at an open air Magdalenian site. M. Conkey, director.
- Sept 2009 **Workshop: Prospection in Depth.** Five day workshop on advanced geophysical techniques in archaeology offered by the National Park Service at the San Francisco Presidio.
- Aug 2007 – present **Laboratory Manager, Archaeological Research Facility, UC Berkeley.** Maintenance and training with digital archaeological tools including total stations, GPS, laser scanners. Building coordinator, ARF website manager. Manage GIS lab, XRF lab, soil analysis lab.
- July 2007 **Director, ethnoarchaeology project: *Transport in the Ancient Andes.*** Research project focusing on llama caravan transport speeds and travel strategies, supported by a grant from the Heinz Foundation.
- June 2007 **Digital excavation GIS developer for Vanderbilt University project in Arequipa, Peru.** Developed customized Arcpad interface and data structure for nearly-paperless excavation project of a Colonial period chapel.
- July 2005 – May 2007 **GIS Technician for URS Corporation.** Tasks include spatial analysis, mobile GIS development and training, and map production for environmental consulting office.
- Wtr 2007 **Lecturer, UCSB Anthropology: *Origins of Complex Societies***
- Fall 2006 **Associate Instructor, UCSB Anthropology: *GIS in Anthropology***
- Fall 2005 **Associate Instructor, UCSB Anthropology: *Clash of Cultures***
- June – July 2004 **Mobile GIS implementation, Proyecto Arqueológico Norte Chico.** Designed an archaeological survey site documentation method using ESRI Arcpad for survey project directed by J. Haas and K. Nelson.
- July 2003 – Aug 2004 **Dissertation Research Project, Colca Valley , Peru. Survey and analysis.** Director of archaeological research project involving survey and test excavations in vicinity of Chivay obsidian source, Arequipa, Peru, funded by NSF award #0331181.
- Mar – Apr 2003 **Field Archaeologist, S.A.I.C., Twenty-nine Palms, CA** Cultural resource survey in eastern California.
- Aug – Sept 2002 **Preliminary Dissertation Research at Chivay Obsidian Source** Investigated obsidian source and settlement distributions in adjacent habitation areas in Colca valley, Arequipa, southern Peru.
- 2001 **Field Archaeologist, Proyecto Ch'amak Pacha, Puno, Peru** Directors: M. Aldenderfer and N. Craig, UCSB (Duration: 3 months).
- 2000 **Field Archaeologist, Proyecto Ch'amak Pacha, Puno, Peru** Director: M. Aldenderfer, UCSB (Duration: 3 months)
- 1999 **Field Archaeologist, Proyecto Wiskachuni, Juli, Peru** Director: C. Herhahn, UCSB (Duration: 2 months).

- March 1999 – Dec 2005 **Computer lab support, maintenance, training, LSIT, UC Santa Barbara**
Maintenance of equipment, hardware and software training for users of Mac and Windows computers, Letters and Sciences Information Technology.
- June 1995 – Oct 1997 **G.I.S. Technician and graphics, WSAL, Univ of Montana, Missoula, MT**
G.I.S. tasks, graphics, and website development for the Wildlife Spatial Analysis Lab at the University of Montana.
- Aug 1995 – Feb 1997 **Archaeological Cartographer, Schwab Cultural Consulting, Polson, MT**
Compiled data for Native American land claims litigation. Designed project area and site maps for cultural resource surveys.
- 1994 **Field Archaeologist, Heritage Research Center, Black Hills, SD**
Cultural resource survey and testing in the Black Hills National Forest. Designed and produced site maps. (Duration: 2 months)
- 1993 **Trail Leader, Glaciological Field School, Univ. of Alaska, Juneau, AK**
Physical geography research on geology, geomorphology and glacier processes conducted during a seven week field season on the Juneau Icefield.
- Apr 1993 – Nov 1997 **Cartographer and G.I.S. technician, Missoula, MT**
Cartographer specializing in archaeological and recreational maps.
- May 1992 – Sept 1992 **Survey Crew Leader, Knowledge Northwest, Pendleton, OR**
Archaeological cultural resource survey of National Forest land in Oregon.
- June 1991 – Aug 1991 **Archaeological Field School, Colorado State University, Fort Collins**
Survey and excavation, Late Pueblo era kivas, Hovenweep area, Colorado.

Symposium Organized

- 2011 **Mining and Quarrying in the Ancient Andes.** Symposium organized for the 76th Annual Meeting of the *Society for American Archaeology*, Sacramento, CA. Organizer and co-chair with Kevin J. Vaugh (Purdue).

Professional Presentations (* invited speaker)

- 2011* **Mobile GIS and Digital Workflows in Archaeology.** Invited speaker at Cotsen Institute of Archaeology, UC Los Angeles
- 2011* **Digital Documentation in Archaeological Fieldwork.** Invited speaker at the Geographic Innovation Facility, College of Natural Resources, UC Berkeley.
- 2011 **Quarrying and Production at Quispisisa Obsidian Source.** Presentation at the 76th Annual Meeting of the *Society for American Archaeology*, Sacramento, CA.
- 2010* **Onward to Apurímac: A llama caravan journey in southern Peru.** Presentation at the 75th Annual Meeting of the *Society for American Archaeology*, St. Louis, MO.
- 2010 **Ethnoarchaeology of an Andean Llama Caravan.** Poster presented at the 50th annual meeting of the *Institute of Andean Studies*, Berkeley, CA.
- 2009 D.A. Contreras, N. Tripcevich, and Y. Cavero Palomino. **Investigaciones en la fuente de la obsidiana tipo Quispisisa, Huancasancos, Ayacucho (Peru).** Presentation at the Universidad Nacional Mayor de San Marcos, Lima, Peru.
- 2009 N. Tripcevich and D.A. Contreras. **Quarries of Quispisisa: An obsidian source in Ayacucho, Peru.** Presentation at the Archaeological Research Facility, UC Berkeley.

- 2009 D.A. Contreras and N. Tripcevich. **Research at the Quispisisa obsidian source in the central Peruvian highlands.** Presentation at the 74th Annual Meeting of the *Society for American Archaeology*, Atlanta, GA.
- 2008 **Llama caravan travel.** Poster presented at the American Anthropological Association meetings, San Francisco, CA.
- 2008 **Estimating Llama Caravan Travel Speeds.** Poster presented at the inaugural event for Spatial@UCSB, UC Santa Barbara.
- 2008 **Digital field methods for archaeological survey and excavation.** Presentation at the Archaeological Research Facility, UC Berkeley.
- 2008* **Llama Caravan Transport: A study of mobility with a contemporary Andean salt caravan.** Presentation at the 73th Annual Meeting of the *Society for American Archaeology*, Vancouver, B.C., Canada.
- 2008* **Digging Digitally: Mobile GIS in archaeological fieldwork.** University of California, Los Angeles, Cotsen Institute of Archaeology. Guest speaker in the “Technological Innovations in Archaeological Analysis” series.
- 2007 **Llama Purichiq (film).** An 18 minute film based on footage from llama caravan ethnoarchaeology work in Peru viewable at <http://MapAspects.org>.
- 2007 **Llama caravan ethnoarchaeology.** Presentation at the Archaeological Research Facility, UC Berkeley.
- 2007 N. Craig, M. Perales, N. Tripcevich, K. Nelson, A. Ruiz, J. Haas, W. Creamer, M. Aguilar, M. López. **Sistemas de Información Geográfica Móviles como Infraestructura de Información para la Colección y Análisis de Extensas Bases de Datos Regionales Comparativas de Sitios Arqueológicos.** Paper presented at the conference *Comparative Perspectives on the Archaeology of Coastal South America*, Lima, Perú.
- 2006* **Mobility and Exchange in the Andean Preceamic: Insights from obsidian studies.** Presentation at the 71th Annual Meeting of the *Society for American Archaeology*, San Juan, Puerto Rico.
- 2006 **Production and Exchange of Obsidian from the Colca Valley, Arequipa, Peru.** Presentation at the 46th Annual Meeting of the *Institute of Andean Studies*, Berkeley, CA .
- 2005* N. Tripcevich and W. Yopez Alvarez. **Fuente de Obsidiana Chivay y su posición en los Andes Sur Centrales.** Por Simposio Internacional sobre Arqueología del Area Centro Sur Andina, Arequipa, Perú.
- 2005 N. Tripcevich and A. Mackay. **Spatial and Temporal Variation in Stone Raw Material Provisioning Around the Chivay Obsidian Source.** Presentation at the 70th Annual Meeting of the *Society for American Archaeology*, Salt Lake City, UT.
- 2004 **Mobile GIS on Archaeological Survey.** Presentation at the Archaeological Sciences of the Americas meeting, University of Arizona, Tucson.
- 2004 **Chivay Obsidian Source and South-Central Andean Prehistory.** Presentation at the 69th Annual Meeting of the *Society for American Archaeology*, Montreal Canada.
- 2003 **Viewshed Analysis in Archaeology.** Poster presented at the 68th Annual Meeting of the *Society for American Archaeology*, Milwaukee Wisconsin.

Teaching Experience

- 2011 **Mobile GIS and Digital Workflows in Archaeology.** Presentation at Cotsen Institute for Archaeology, UCLA, May 2011.
- 2011 **Digital Fieldwork in Archaeology.** Presentation at the Geographical Information Facility lab at College of Natural Resources, UC Berkeley.
- 2011 **From Total Station to Map: EDM fieldwork data in Arcmap.** Workshop at the Archaeological Research Facility, UC Berkeley.
- 2010 – 2011 **Undergraduate Research Apprenticeship mentoring: Analysis of Ethnographic Transcripts.** With C. Hastorf, advised student Amanda Larson in analysis of Quechua llama caravan transcripts translated into Spanish.
- 2008 – 2010 **Undergraduate Research Apprenticeship mentoring: Digital video editing project.** With C. Hastorf, advised student Diandra Rodriguez in video editing using llama caravan footage in Final Cut Pro.
- 2008 – 2010 **Workshop Instructor, Archaeological Research Facility.** Led workshops on use of GIS and GPS in archaeology.
- 2008 – 2010 **Guest Lecturer, UC Berkeley.** Visiting lectures in *Environmental Archaeology* (Kirch and Hastorf), *Research Design Seminar* (Kirch), and *Anthropology and Energy* (Nader), *New Media in Archaeology* (Tringham).
- 2007 **Lecturer, Origins of Complex Societies, UC Santa Barbara**
Designed and taught course surveying exploring the theories and evidence surrounding the origins of state-level societies in New and Old World.
- 2006 **Teaching Associate, GIS in Anthropology, UC Santa Barbara**
Designed and taught class concerning the theory and application of geospatial technology in anthropology.
- 2005 **Teaching Associate, Clash of Cultures, UC Santa Barbara**
Designed and taught undergraduate course about the culture contact period.
- 2003 **Instructor, GIS and GPS workshops, Arequipa, Peru**
Led two workshops in Spanish for Peruvian archaeologists and mountain rescue personnel on the use of GIS and GPS in fieldwork.

- 2000 – 2004 **Instructor, archaeological fieldwork and use of GIS technology**
 Instructed fieldwork participants in archaeological research projects using GIS-based techniques for excavating, surveying, and lab work.
- 1998 – 2004 **Teaching Assistant, UC Santa Barbara, seven quarters**
- Intro. To Archaeology
 - Intro. To Cultural Anthropology
 - Third World Environments
 - Peoples and Cultures of India
 - Intro. To Physical Anthropology
 - Understanding Cultural Differences
 - Cultural Ecology

Review Activities

Evaluated grant proposals and journal submissions for the following organizations.

	2006	2008	2009	2010
<i>National Science Foundation</i>	1			
<i>National Geographic CRE</i>			1	1
<i>American Antiquity</i>	1			
<i>Latin American Antiquity</i>	1			
<i>Ñawpa Pacha</i>	1			
<i>J. Archaeological Science</i>		1		
<i>Geoarchaeology</i>		1	1	
<i>Current Anthropology</i>				1

Media Appearance

- 2008 **The Economist.** Interviewed for a technology article about the use of Google Earth in archaeological research at the Chivay obsidian source (4 Sept 2008).

Published Cartography

- 1998 Waitley, D. *Roadside History of Florida*, Missoula, MT: Mountain Press.
- 1998 – 1999 Illustration graphics for Maps.Com / Magellan with E. Easton.
- 1996 – 1998 Hamelman, J., Humble, B., T. Robertson, and **N. Tripcevich**. *The Great Divide Mountain Bike Route: Canada to Mexico*. Missoula, MT: ACA.
- 1997 Haaglund, L. *Tough, Willing, and Able: Tales of a Montana Family*. Missoula, MT: Mountain Press.
- 1997 *Adventure Cycling in Northern California*. Seattle, WA: Mountaineers.
- 1997 *Adventure Cycling in Michigan*. Seattle, WA: Mountaineers.
- 1996 Hamelman, J. T. Robertson, and **N. Tripcevich**. *Bicycle Touring Map: TransAmerica Trail*. Missoula, MT: Adventure Cycling Association.
- 1995 **Tripcevich, N.**, J. Hamelman, C. Majernik. *Bicycle Touring Map: Virginia to Florida*. Missoula, MT: Adventure Cycling Association.
- 1995 Franceschi, E., J. Hamelman, G. MacFadden, M. McCoy, C. Majernik, G. Teichert, and **N. Tripcevich**. *Bicycle Touring Map: Florida Connector*. Missoula, MT: Adventure Cycling Association.
- 1995 Majernik, C., T. Robertson, and **N. Tripcevich**. *Bicycle Touring Map: North Lakes*. Missoula, MT: Adventure Cycling Association.

Professional Memberships

- Institute of Andean Studies, Berkeley, California.**
Professional Archaeologists of Peru, number DT-0176
 Registro del Instituto Nacional de Cultura, Lima, Perú.

**American Anthropological Association
Society for American Archaeology**

Relevant Experience

- 2007 – *present* **Committee work at the Archaeological Research Facility**
Participation in Advisory Committee and Equipment Committee.
- 2004 – *present* **Mobile GIS development for varied applications**
Implementations for academic and commercial natural resources projects.
- 2004 – 2005 **Anthropology Graduate Student Association, Co-Chair**
Chaired student group representing Anthropology graduate students at UCSB.
- 1996 – *present* **Web development using HTML, CSS, and content management (PHP / MySQL).** Experience in website development with a current emphasis on Drupal CMS. Custom applications for archaeological datasets.

Updated: July 27, 2011