

Myrtle P. Shock

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Education

- Sept. 2010 Ph.D Anthropology, specialization in archaeology. University of California, Santa Barbara.
Dissertation: "Holocene hunter-gatherer plant use and foraging choice: a test from Minas Gerais, Brazil." Dr. Michael Jochim, Advisor.
- June 2005 M.A. Anthropology, specialization in archaeology. University of California, Santa Barbara.
Masters data paper: "Contextual interpretation of rock feature functions in the Owyhee uplands, southeastern Oregon," Dr. Mark Aldenderfer, Advisor.
- April 2003 B.Phil *summa cum laude* with departmental honors. Anthropology. University of Pittsburgh.
Bachelor of Philosophy thesis: "Rock art and settlement in the Owyhee uplands of southeastern Oregon," Dr. Marc Bermann, Advisor.
Honors paper: "Comparison of lithic debitage and lithic tools at two early contact period Iroquois villages," Dr. Kathleen Allen, Advisor.
Specialization: archaeology
Certificate: Geographical Information Systems. Department of Geology and Planetary Science.

Archaeological Fieldwork

- 2009 Instructor. Universidade do Estado do Amazonas archeological field school, Manaus, Brazil. Field director: Claide de Paula Morais, Universidade de São Paulo.
- 2009 Flotation coordinator and instructor. Cronologias Regionais, Hiatos e Continuidades na História Pré-colonial da Amazônia (Regional Chronologies, Hiatuses and Continuity in Pre-colonial Amazonian History), Manaus, Brazil. Field director: Dr. Eduardo Neves, Universidade de São Paulo.
- 2009 Archaeological field assistant. Tecnologia e Território: Arqueologia pré-histórica de Montes Claros no contexto do centro-norte mineiro (Technology and Territory: Prehistoric archaeology of Montes Claros in north-central Minas Gerais state), Minas Gerais, Brazil. Field director: Dr. Lucas Bueno, Universidade de São Paulo.
- 2006 Archaeological field assistant. Resiliência de Forrageiros Neotropicais (Resilience of Neotropical Foragers), Minas Gerais, Brazil. Field director: Dr. Renato Kipnis, Universidade de São Paulo.
- 2005 Archaeological field assistant. Projeto Lagoa Santa (Lagoa Santa region project), Minas Gerais, Brazil. Field director: Dr. Walter A. Neves, Universidade de São Paulo.
- 2004 Archaeological field assistant. Projecto arqueologico Chimu de Chepen, Peru. Field director: Scott Kremkau, Columbia University.
- 2002 Teaching assistant. University of Pittsburgh archaeological field school. Advisor: Dr. Kathleen Allen, Univ. of Pittsburgh.

- 2000, 2001 Independent archaeologist. Archaeological survey project of petroglyph and prehistoric habitation sites in southeastern Oregon. Bureau of Land Management, Vale, Oregon.
- 1997 Participant. California Polytechnic State University archaeological field school. Mission San Antonio de Padua, California. Field director: Dr. Robert Hoover, Cal Poly.

Archaeological Laboratory Experience

- 2007 - 2009 Paleoethnobotanical analysis of hunter-gatherer and horticultural subsistence from macrobotanical remains (seeds and fruits) excavated from Brazilian savanna sites.
- 2002 Lithic analysis of a sample from two early contact period Cayuga Iroquois village sites.

Teaching Experience

- 2010 Associate in Summer Session, North American Indians. Department of Anthropology, University of California, Santa Barbara.
- 2008 Head teaching assistant, Introductory Cultural Anthropology. Department of Anthropology, University of California, Santa Barbara.
- 2005 - 2007 Teaching assistant for courses including Introductory Cultural Anthropology, Cultural Ecology, Hunters and Gatherers, and People of the Ice Age. Department of Anthropology, University of California, Santa Barbara.

Work Experience

- 2007 - 2009 Scientific writer, environmental consulting firm. Scientific Ecological Services.
- 2006 Field technician, cultural resource management. URS Corporation.
- 2005 Field technician, cultural resource management. Garcia and Associates.
- 1989 -1997 Entrepreneur. Grew pumpkins and squash for retail and wholesale sales.
- 1995 Research team member, Oregon State University Malheur Experiment Station. Carried out a water movement experiment on potatoes.
- 1994 Contract researcher. National Crop Insurance. Conducted a hail experiment on squash and pumpkins.

Grants

- 2008 Doctoral Dissertation Research Improvement Grant, archaeology program, Division of Behavioral and Cognitive Sciences, National Science Foundation.
- 2007 Humanities and Social Sciences Research Grant, University of California, Santa Barbara for archaeobotanical analysis of pre-European diet on the Brazilian savanna.
- 2003 USX foundation arts and sciences undergraduate research award, University of Pittsburgh for the analysis of lithics from two Iroquoian sites in New York.
- 2001 Honors College grant, University of Pittsburgh for field studies of archaeological sites with petroglyphs in southeastern Oregon.

Academic Awards

- 2009 Graduate Opportunity Fellowship, University of California, Santa Barbara.

- 2009 Service/Spaulding Fellowship, Department of Anthropology, University of California, Santa Barbara.
- 2003 Eugene Cota-Robles Fellowship, University of California, Santa Barbara - five-year fellowship.
- 2002, 2003 University Scholar, University of Pittsburgh.
- 1999-2003 Dean's list, University of Pittsburgh.
- 1999 University of Pittsburgh Chancellor's Scholar - four-year scholarship.

Publications

- 2010 Shock, M.P. Holocene hunter-gatherer plant use and foraging choice: a test from Minas Gerais, Brazil. Unpublished dissertation in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Anthropology. University of California, Santa Barbara.
- 2007 Shock, M.P. A regional settlement system approach to petroglyphs: application to the Owyhee uplands, southeastern Oregon. In *Great Basin Rock Art: Archaeological Perspectives*, ed. A. Quinlan, pp 69-91. University of Nevada Press, Reno, Nevada.
- 2002 Shock, M.P. Rock art and settlement in the Owyhee uplands of southeastern Oregon. Unpublished thesis in partial fulfillment of the requirements for the degree of Bachelor of Philosophy in Anthropology. University of Pittsburgh, University Honors College. Accessible online, <http://www.shockfamily.net/Myrtle/bphilsource.html>
- 1996 Shock, M.P., C.C. Shock, and C.A. Shock. The effect of simulated hail on yield and quality of pumpkins and two squash varieties. Oregon State University Agricultural Experiment Station Special Report 964. pp 102-107.
- 1992 Shock, M.P., C.C. Shock, and L. Saunders. The effects of Counter insecticide on sugar beet seedlings. Oregon State University Agricultural Experiment Station Special Report 899. pp 199-203.

Cooperative Publications

- 2009 Shock, C.B., M.P. Shock, B.M. Shock, and C.C. Shock. *Upper Owyhee Watershed Assessment: Phase I*. Prepared for The Owyhee Watershed Council, prepared by Scientific Ecological Services, Inc.
- 2007 Shock, C.B., M.P. Shock, and C.C. Shock. *Lower Owyhee Watershed Assessment*. Prepared for The Owyhee Watershed Council, prepared by Scientific Ecological Services, Inc. Accessible online, <http://www.shockfamily.net/Owyhees/Index.htm>
- 1996 Shock, C.C., E.B.G. Feibert, L. Saunders, and M.P. Shock. Improved nitrogen and irrigation efficiency for potato production. Oregon State University Agricultural Experiment Station Special Report 964. pp 64-74.

Invited Professional Lectures

- 2009 Vestígios vegetais arqueológicos, um estudo de caso no vale do rio Peruaçu, MG (Archaeological plant remains, a case study from the Peruaçu river valley, Minas Gerais). Museu de História Natural e Jardim Botânico da Universidade Federal de Minas Gerais, Brazil.
- 2009 Preservação e identificação de vestígios macrobotânicos dos sítios arqueológicos - foco no centro norte de Minas Gerais (Preservation and identification of

macrobotanical remains from archaeological sites - focus on north-central Minas Gerais). Museu de História Natural e Jardim Botânico da Universidade Federal de Minas Gerais, Brazil.

Professional Presentations

- 2010 Shock, M.P. Cronologia da introdução das plantas domesticadas no Brasil central. Paper presented at the 2nd Encontro Internacional de Arqueologia Amazonica, September 12-18, 2010 in Manaus, Brazil.
- 2010 Shock, M.P. Archaeobotanical Remains from features at Lapa dos Bichos: The Role of Plants in the Diet of Brazilian 'Agriculturalists'. Paper presented at the 75th Anniversary Meeting, Society for American Archaeology, April 14-18, 2010 in Saint Louis, MO.
- 2010 Shock, M.P. Initial examination of macrobotanical remains from the Amazon. Paper presented at The Futures of Amazonian Archaeology symposium, April 11, 2010, Berkeley, CA.
- 2009 Shock, M.P. Contemporary and archaeological foraging in Minas Gerais, Brazil. Paper presented at the 108th AAA Annual Meeting, December 2-6, 2009, Philadelphia, PA.
- 2009 Shock, M.P. Arqueobotânica no cerrado (Archaeobotany in the Cerrado). Paper presented at the I Jornada de Arqueologia no Cerrado e suas Interfaces com a Aqueologia Brasileira, May 12-15, 2009 in Goiania, Brazil.
- 2009 Shock, M.P. and F. M. da Silvia. Paleoetnobotânica no norte Mineiro, uma comparação dos vestígios vegetais em sítios arqueológicos no vale do Peruaçu e Montes Claros (Paleoethnobotany in northern Minas, a comparison of plant remains from archaeological sites in the Peruaçu river valley and in Montes Claros). Paper presented at the XV Congresso da Sociedade de Arqueologia Brasileira, September 20-23, 2009 in Belém, Brazil.
- 2008 Shock, M.P. and R. Kipnis. Archaeobotanical insights into diet on the Brazilian savanna, 500-2000 BP. Poster presented at the 73rd Annual Meeting, Society for American Archaeology, March 26-30, 2008 in Vancouver, Canada. Accessible online, <http://www.shockfamily.net/Myrtle/archaeobotanical.html>
- 2006 Shock M.P. Great Basin Rock Features – Does Topographic Positioning Make a Functional Classification Possible? Paper presented at the 30th Great Basin Anthropological Conference, October 19-22, 2006 in Las Vegas, Nevada.
- 2006 Shock M.P. and K.S. Allen. Lithic analysis and the intensity of Iroquois site occupation. Paper presented at the 71st Society for American Archaeology Conference, April 26-30, 2006 in San Juan, Puerto Rico.
- 2004 Shock, M.P. Pronghorn trail control: One use of rock walls in the northern Great Basin. Paper presented at the 69th Society for American Archaeology Conference, March 31-April 4, 2004 in Montreal, Canada.
- 2002 Shock, M.P. Rock art and settlement in the Owyhee uplands of southeastern Oregon. Presented at the 28th Great Basin Anthropological Conference, October 10-12, 2002 in Elko, Nevada.

Cooperative Professional Presentations

- 2010 Medeiros da Silva, F., L.T. Lima, and M.P. Shock. Amazonian Potential in Archaeobotanical Remains. Paper presented at the 75th Anniversary Meeting, Society for American Archaeology, April 14-18, 2010 in Saint Louis, MO.
- 2009 Medeiros da Silva, F., and M.P. Shock. Análise dos vestígios vegetais do sítio Lapa Pintada, Montes Claros, Norte de Minas Gerais (Analysis of plant remains from the site of Lapa Pintada, Montes Claros, northern Minas Gerais state). Paper presented at the XV Congresso da Sociedade de Arqueologia Brasileira, September 20-23, 2009 in Belém, Brazil.

Languages

Portuguese (fluent)
Spanish (reading and conversation)

Invited Talks

- 2010 Foraging and Cultivating Plants on the Brazilian Savanna: How Evidence from Prehistoric Rock Shelters can Illuminate Settlement and Domestication. Santa Barbara County Archaeological Society. Santa Barbara, CA.
- 2009 Amazonian adventures in archaeology. Kiwanis Club. Ontario, OR.
- 2008 Can you believe this corn? Archaeology in southcentral Brazil. Chamber of Commerce. Ontario, OR.
- 2008 Can you believe this corn? Archaeology in southcentral Brazil. Kiwanis Club. Ontario, OR.
- 2006 Cave archaeology in Minas Gerais, Brazil. Kiwanis Club. Ontario, OR.
- 2004 A first look at Peruvian Archaeology. Chamber of Commerce. Ontario, OR.
- 2004 Chimu and Incan culture through archaeology and ethnohistory. Kiwanis Club. Ontario, OR.
- 2004 A first look at Peruvian Archaeology. Lions Club. Ontario, OR.
- 2002 Settlement and subsistence in the Owyhee uplands of southeastern Oregon: conclusions from a study of rock art. Chamber of Commerce. Ontario, OR.
- 2002 Settlement and subsistence in the Owyhee uplands of southeastern Oregon: conclusions from a study of rock art. Kiwanis Club. Ontario, OR.
- 2001 Rock art: exploring the petroglyphs of the Owyhee uplands. Kiwanis Club. Ontario OR.
- 1999 Modern Portuguese culture. Kiwanis Club. Ontario OR.

Students Supervised

Francini Medeiros da Silva.

2010-present, graduate student, Museu Nacional de Rio de Janeiro, Brazil, advisor Rita Scheel-Ybert.

2008-2010, intern, Universidade de São Paulo, Brazil.

Lígia Trombeta Lima,

2009-present, undergraduate, Universidade de São Paulo, Brazil, advisor Eduardo Góes Neves.