

3-26-2021

Clark L. Erickson

CURRICULUM VITAE

CONTACT INFORMATION

Department of Anthropology
3260 South Street
Philadelphia, PA 19104-6398
tel. (215) 898-2282
fax (215) 898-7462
email: cerickso@sas.upenn.edu
homepage: <http://www.sas.upenn.edu/anthro/people/faculty/cerickso>

EDUCATION

- 1976 B.A. in Anthropology, Washington University, St. Louis, Missouri.
1980 A.M. in Anthropology, University of Illinois, Urbana-Champaign, Illinois.
1988 Ph.D. in Anthropology, University of Illinois, Urbana-Champaign, Illinois.

RESEARCH INTERESTS

My research focuses on indigenous knowledge, cultural landscape creation and management, biodiversity, sustainable lifeways, and environmental management. My Andean and Amazonian research applies the perspectives of landscape archaeology and historical ecology to understand the long, complex human history of the environment and cultural activities that have shaped the Earth. I also am involved in inter-school collaborative research and teaching with the Digital Media Design Program of the Department of Computer and Information Science in School of Engineering, the Historic Preservation Program and the Department of Landscape Architecture in School of Penn Design.

CURRENT ACADEMIC POSITION

- 1988 – present **University of Pennsylvania**
Professor of Anthropology (2011 – present); Associate Professor of Anthropology (1995–2011); Assistant Professor (1988-1995). Affiliated faculty: Graduate Group Art and Archaeology of the Mediterranean World (2005 – present); Historic Preservation Faculty in Penn Design (2004 – present).
- 1988 – present **University of Pennsylvania Museum of Archaeology and Anthropology** Curator; Curator-In-Charge (2012-present), Associate Curator (1995-2012); Assistant Curator (1988-1995); American Section.

BOOKS

- 2009 (with James E. Snead and J. Andrew Darling) *Landscapes of Movement: The Anthropology of Trails, Paths, and Roads*. Penn Museum Press, Philadelphia. [I am author or co-author of 3 chapters]

- 2006 (with William Balée) *Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands*. Columbia University Press, New York. [I am author or co-author of 3 chapters]
- 1996 *Investigación arqueológica del sistema agrícola de los camellones en la cuenca del lago Titicaca del Perú*. Programa Interinstitucional de Waru Waru and Centro para Información para el Desarrollo, La Paz, Bolivia.

REFEREED ARTICLES AND REFEREED CONTRIBUTIONS TO BOOKS

[i.p. = in press, refereed, and accepted by editors for publication; ms. = manuscript completed and accepted for publication]

- i.p. Who is the Chief? The Central People of Burial 11, Sitio Conte. In *Pre-Columbian Central America, Colombia, and Ecuador: Toward an Integrated Approach*, edited by Colin McEwan, John Hoopes, and Brian Cockrell, Dumbarton Oaks Research Library and Collection, Washington DC [expected publication 9-2021].
- 2021 Forward: Domesticated Landscapes. In *Methods in Historical Ecology: insights from Amazonia*, edited by Guillaume Odonne and Jean-François Molino, pp. xii-xx. Routledge/Taylor & Francis, London.
- 2021 Agricultural Landforms. In *Forest, Field, and Fallow: Selections by William M. Denevan*, edited by Antoinette Winklerprins and Kent Mathewson, Springer, New York.
- 2019 (with K. Chow, A. Normoyle, J. Nicewinter, and N. I. Badler), Crowd and Procession Hypothesis Testing for Large-Scale Archaeological Sites. 2019 *IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)*, San Diego, pp. 298-2983 doi: 10.1109/AIVR46125.2019.00069
- 2019 The Domesticated Landscapes of the Andes. In *The Andean World*, edited by Linda J. Seligmann and Kathleen Fine-Dare, pp. 29-43. Routledge Press, New York.
- 2018 (with Emiliya Al Yafei, Josh Nadel, Youssef Victor, Ikuromor Mabel Ogiriki, & Norman Badler) Recreating Pre-Columbian Life in the Baures Region of the Bolivian Amazon. In *Proceedings of the 20th Symposium on Virtual and Augmented Reality, Iguassu Falls, Brazil, October 2018*
- 2019 Pre-Columbian Water Management in Lowland South America. In *History of Water and Humanity*, edited by Vernon Scarborough, pp. ? Rowman & Littlefield, Lanham, MD.
- 2014 Amazonia: The Historical Ecology of a Domesticated Landscape. In *The Social Lives of Forests*, edited by S. Hecht, K. Morrison, and C. Padoch, pp. 199-214. University of Chicago Press, Chicago.
- 2013 Raised Fields as Monumental Farmed Landscapes, Lake Titicaca, South America. In *Sourcebook for Garden Archaeology: Methods, Techniques, and Field Examples*, edited by Amina-Aïcha Malek, pp. 723-729. Peter Lang, Bern.
- 2010 Max Uhle en Filadelfia (1897-1899). In *Max Uhle (1856-1944): evaluaciones de sus investigaciones y obras*, edited by Peter Kaulicke, Manuela Fischer, Peter Masson and Gregor Wolff, pp. 93-108. Pontificia Universidad Católica del Perú and Fritz Thyssen Stiftung für Wissenschaftsförderung, Lima and Berlin.
- 2010 Amazonia: The Historical Ecology of a Domesticated Landscape. In *Contemporary Archaeology in Theory: The New Pragmatism* [2nd Edition], edited by Robert Preucel and Stephen Mrozowski. pp. 104-128. Willey-Blackwell, Chichester, UK.
- 2010 The Transformation of Environment into Landscape: The Historical Ecology of Monumental Earthwork Construction in the Bolivian Amazon. *Diversity* 2:618-652.
- 2009 Agency, Roads, and the Landscapes of Everyday Life in the Bolivian Amazon. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*, edited by James E. Snead, Clark L. Erickson, and J. Andrew Darling, pp. 204-231. Penn Museum Press and the University of Pennsylvania Press, Philadelphia.
- 2009 (with James Snead and J. Andrew Darling) Making Human Space: The Archaeology of Trails, Paths, and Roads. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*, edited by James E. Snead, Clark L. Erickson, and J. Andrew Darling, pp. 1-19. Penn Museum Press and the University of Pennsylvania Press, Philadelphia.

- 2009 (with John Walker) Pre-Columbian Causeways and Canals as Landesque Capital. In *Landscapes of Movement: Trails, Paths, and Roads in Anthropological Perspective*, edited by James E. Snead, Clark L. Erickson, and J. Andrew Darling, pp. 232-252. Penn Museum Press and the University of Pennsylvania Press, Philadelphia.
- 2008 Amazonia: The Historical Ecology of a Domesticated Landscape. In *Handbook of South American Archaeology*, edited by Helaine Silverman and William Isbell, pp. 157-183. Springer, New York.
- 2006 (with William Balée) Time, Complexity, and Historical Ecology. In *Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands*, edited by William Balée and Clark L. Erickson, pp. 1-20. Columbia University Press, New York.
- 2006 The Domesticated Landscapes of the Bolivian Amazon. In *Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands*, edited by William Balée and Clark L. Erickson, pp. 235-278. Columbia University Press, New York.
- 2006 (with William Balée) The Historical Ecology of a Complex Landscape in Bolivia. In *Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands*, edited by William Balée and Clark L. Erickson, pp. 187-234. Columbia University Press, New York.
- 2006 Intensification, Political Economy, and the Farming Community: In Defense of a Bottom-Up Perspective of the Past. In *Agricultural Strategies*, edited by Joyce Marcus and Charles Stanish, pp. 336-363. Cotsen Institute of Archaeology, Los Angeles.
- 2006 El valor actual de camellones de cultivo precolombinos: experiencias del Perú y Bolivia. In *Agricultura ancestral. Camellones y albarradas: Contexto social, uso, y retos del pasado y del presente*, edited by Francisco Valdez, pp. 315-339. Editorial Abya-aylla, Quito, Ecuador.
- 2003 Historical Ecology and Future Explorations. In *Amazonian Dark Earths: Origin, Properties, Management*, edited by Johannes Lehmann, Dirse C. Kern, Bruno Glaser, and William I. Woods, pp. 455-500. Kluwer, Dordrecht.
- 2003 Agricultural Landscapes as World Heritage: Raised Field Agriculture in Bolivia and Peru. In *Managing Change: Sustainable Approaches to the Conservation of the Built Environment*, edited by Jeanne-Marie Teutonico and Frank Matero, pp. 181-204. 4th US/ICOMOS International Symposium Proceedings. Getty Conservation Institute in collaboration with US/ICOMOS, Oxford University Press, Oxford.
- 2001 Pre-Columbian Roads of the Amazon. *Expedition* 43(2):21-30.
- 2001 Pre-Columbian Fish Farming in the Amazon. *Expedition* 43(1):7-8.
- 2000 Los caminos prehispánicos de la Amazonia boliviana. In *Caminos precolombinos: las vías, los ingenieros y los viajeros*, edited by Leonor Herrera and Marianne Cardale de Schrimppf, pp. 15-42. Instituto Colombiano de Antropología y Historia, Bogota, Colombia.
- 2000 The Lake Titicaca Basin: A Pre-Columbian Built Landscape. In *Imperfect Balance: Landscape Transformations in the Precolumbian Americas*, edited by David Lentz, pp. 311-356. Columbia University Press, New York.
- 2000 An Artificial Landscape-Scale Fishery in the Bolivian Amazon. *Nature* 408:190-193.
- 1999 Neo-environmental Determinism and Agrarian "Collapse" in Andean Prehistory. *Antiquity* 73(281):634-642.
- 1995 Archaeological Methods for the study of Ancient Landscapes of the Llanos de Mojos in the Bolivian Amazon. In *Archaeology in the American Tropics: Current Analytical Methods and Applications*, edited by Peter Stahl, pp. 66-95. Cambridge University Press, Cambridge.
- 1994 Methodological Considerations in the Study of Ancient Andean Field Systems. In *The Archaeology of Garden and Field*, edited by Kathryn Gleason and Naomi Miller, pp. 111-152. The University of Pennsylvania Press, Philadelphia.
- 1993 The Social Organization of Prehispanic Raised Field Agriculture in the Lake Titicaca Basin. In *Economic Aspects of Water Management in the Prehispanic New World*, Research in Economic Anthropology, Supplement No. 7, edited by Vernon Scarborough and Barry Isaac, pp. 369-426. JAI Press, Greenwich, CT.
- 1992 Applied Archaeology and Rural Development: Archaeology's Potential Contribution to the Future. *Journal of the Steward Anthropological Society* 20(1-2):1-16. [special edition *Gifts to the Cayman: Essays in Honor of Donald W. Lathrap* edited by A. Zeigelboim, M. van de Guchte, and E.

- Engwall].
- 1992 Prehistoric Landscape Management in the Andean Highlands: Raised Field Agriculture and its Environmental Impact. *Population and Environment* 13(4):285-300 [special issue *Social Science Perspectives on Environmental Management* edited by Timothy Kohler].
- 1988 Raised Field Agriculture in the Lake Titicaca Basin: Putting Ancient Andean Agriculture Back to Work. *Expedition*, 30(3):8-16 [special volume *Andean Archaeology* edited by Karen Mohr Chavez], The University Museum, University of Pennsylvania, Philadelphia.

NON-REFEREED ARTICLES AND CONTRIBUTIONS TO BOOKS

- n.d. Amazonía: la ecología histórica de un paisaje domesticado. In *Antología de arqueología*, edited by Claudia Rivera.
- n.d.. Paisajes domesticados de la Amazonia de Bolivia. *Nuevos Aportes* 6:71-98 [translation and republication of Erickson 2006]
- 2007 (with Daniel Brinkmeier) *Pescadores Precolombinos del Amazonas Boliviano Tecnología Indígena y Transformación del Paisaje Sudamericano*. Harris Educational Loan Program, Field Museum of Natural History, Chicago.
- 2007 (with Daniel Brinkmeier) *Pre-Columbian Fishermen of the Bolivian Amazon: Indigenous Technology and the Transformation of the South American Landscape*. Harris Educational Loan Program, Field Museum of Natural History, Chicago.
- 2003 Pre-Columbian Roads of the Amazon. In *An Insider's Guide to Bolivia*, edited by Peter McFarren, pp. 315-323. Quipus Cultural Foundation, La Paz.
- 2003 Pre-Columbian Fish Farming in the Amazon. In *An Insider's Guide to Bolivia*, edited by Peter McFarren, pp. 324-326. Quipus Cultural Foundation, La Paz.
- 2002 Pre-Columbian Roads of the Amazon. *Bolivian Times* 10(34):8-9.
- 2002 Pre-Columbian Fish Farming in the Amazon. *Bolivian Times* 10(35):8-9.
- 2000 Lomas de ocupación en los Llanos de Moxos. In *La Arqueología de las Tierras Bajas*, edited by Alicia Durán Coirolo and Roberto Bracco Boksar, pp. 207-226. Comisión Nacional de Arqueología, Ministerio de Educación y Cultura, Montevideo, Uruguay.
- 2000 Raised Field Agriculture in the Lake Titicaca Basin: Putting Ancient Agriculture back to Work. In *Exploring the Past: Readings in Archaeology*, edited by James Bayman and Miriam Stark, pp. 271-284. Carolina Academic Press, Durham.
- 1999 Agricultura en camellones prehispánicos en las tierras bajas de Bolivia: Posibilidades de desarrollo en el trópico húmedo. In *Los camellones y chinampas tropicales: Memorias del Simposio-Taller Internacional sobre Camellones y Chinampas Tropicales*, edited by Juan José Jiménez-Orsornio and Véronique M. Rorive, pp. 39-52. Ediciones de la Universidad Autónoma de Yucatán, Mérida.
- 1998 Applied Archaeology and Rural Development: Archaeology's Potential Contribution to the Future. In *Crossing Currents: Continuity and Change in Latin America*, edited by M. Whiteford and S. Whiteford, pp. 34-45. Prentice-Hall, Upper Saddle, NJ.
- 1996 Development, Economic. In *Oxford Companion to Archaeology*, edited by Brian Fagan, pp. 173-4. Oxford University Press, New York.
- 1989 (with Kay L. Candler) Raised Fields and Sustainable Agriculture in the Lake Titicaca Basin. In *Fragile Lands of Latin America: Strategies for Sustainable Development*, edited by John Browder, pp. 230-248. Westview Press, Boulder.
- 1987 The Dating of Raised Field Agriculture in the Lake Titicaca Basin of Peru. In *Pre-Hispanic Agricultural Fields in the Andean Region*, edited by William M. Denevan, Kent Mathewson and Gregory Knapp, pp. 373-383, British Archaeological Reports, International Series, No. 359, Oxford.
- 1986 Agricultura en camellones en la cuenca del Lago Titicaca: aspectos técnicos y su futura. In *Andenes y camellones en el Perú Andino: historia presente y futuro*, edited by Carlos de la Torre and Manuel Burga, pp. 331-350, Consejo Nacional de Ciencia y Tecnología, Lima.
- 1986 Waru waru: una tecnología agrícola del altiplano prehistórico. In *Andenes y camellones en el Perú Andino: historia, presente y futuro*, edited by Carlos de la Torre and Manuel Burga, pp. 59-84, Consejo Nacional de Ciencia y Tecnología, Moscazul, Lima.

- 1986 (with Ignacio Garaycochea and Dan Brinkmeier) *Como construir waru waru*. Consejo Nacional de Ciencia y Tecnología, Lima.
- 1986 (with Kay Candler and Dan Brinkmeier) *Antukuq waru warun*. (manual on raised fields in Quechua), Consejo Nacional de Ciencia y Tecnología, Lima.
- 1986 (with Ignacio Garaycochea and Luis Masias) *Volver a construir waru waru*. Centro de Servicio de Pedagogía para la Capacitación, Ministerio de Agricultura, Lima, Peru (7 class video training program for raised field agriculture in Quechua).
- 1985 Applications of Prehistoric Andean Technology: Experiments in Raised field agriculture, Huatta, Lake Titicaca, Peru, 1981-1983. In *Prehistoric Intensive Agriculture in the Tropics*, edited by Ian Farrington, pp. 209-232, British Archaeological Reports, International Series, No. 232, Oxford.
- 1984 Waru waru: una tecnología agrícola del Altiplano prehistórico. *Boletín del Instituto de Estudios Aymaras* 18(serie 2):4-37, Chucuito.
- 1983 Los waru-waru. *Minka* No. 11:26-29, Huancayo.
- 1983-4 (with Frank Salomon) Tulipe, un recinto sagrado en la montaña ecuatoriana. *Antropología Ecuatoriana* No. 2- 3:57-78. Quito, Ecuador.
- 1982 Los waru waru de Huatta, Puno. *Gaceta Arqueológica Andina* 4:4-5, Instituto Andino de Estudios Arqueológicos, Lima.
- 1980 Sistemas agrícolas prehispánicos en los Llanos de Mojos. *América Indígena*. 40(4):731-755, Mexico.
- 1978 (with Juan Faldín) *Preliminary Report on an Archaeological Survey in the Llanos de Mojos, Bolivia: San Ignacio to San Borja*. Documentos Internos INAR 36/78, Instituto Nacional de Arqueología de Bolivia, La Paz.

UNPUBLISHED REPORTS AND MONOGRAPHS

- 2018 (with Jedidiah Dale, Shimon Wdowinski, J. Thayn, Rex Rowley, and Jeremy Nicoll) Final Report: FLOOD REGIMES AND CARBON CYCLING IN ANTHROPOGENIC LANDSCAPES OF THE BOLIVIAN AMAZON NASA Award Number, NNX13AQ07G. Department of Anthropology, University of Pennsylvania and Space Archaeology Program, NASA
- 2018 (with Norm Badler) SURGG 2018 Final Report: An Interactive Recreation of Everyday Life in Pre-Columbian Amazonia. Summer Undergraduate Research Group Grants,
- 2017 (with Shimon Wdowinski, Jonathan Thayn, Jeremy Nicoll, and Rex Rowley) *Third Annual Progress Report for Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon (NASA Award Number, NNX13AQ07G)*. Department of Anthropology, University of Pennsylvania and Space Archaeology Program, NASA.
- 2015 (with Theodore Schurr, Marge Bruchac, and Robert Schuyler) *Graduate Handbook: A Comprehensive Guide to the Anthropology Graduate Program at Penn*. Graduate Program in Anthropology, University of Pennsylvania.
- 2015 (with Shimon Wdowinski, Jeremy Nicoll, and Jonathan Thayn) *Second Annual Progress Report for Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon (NASA Award Number, NNX13AQ07G)*. Department of Anthropology, University of Pennsylvania and Space Archaeology Program, NASA.
- 2014 (with Shimon Wdowinski, Jeremy Nicoll, and Jonathan Thayn) *Annual Progress Report for Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon (NASA Award Number, NNX13AQ07G)*. Department of Anthropology, University of Pennsylvania and Space Archaeology Program, NASA.
- 2012 (with Susanna Hecht et al.) *Fires, Phytoliths and Lost Cities: Technical Commentary on McMichael's et al. "Sparse Pre-Columbian Human Habitation in Western Amazonia."*
- 2011 (with Donna Yates and Sonia Alconini) *Summary of the Bolivia--United States MoU Extension Hearing*. Open Session of the Closed Meeting of the Cultural Property Advisory Committee about the extension of the Memorandum of Understanding (MoU) between Bolivia and the US about restrictions on the import of historical, ethnographic, and archaeological cultural objects, Washington, DC.

- 2010 *Understanding Amazonian Prehistory: Reply To Meggers*. Department of Anthropology, University of Pennsylvania
- 2008 (with Patricia Alvarez and Sergio Calla) *Zanjas circundantes: Obras de tierra monumentales de Baures en la Amazonia Bolivia*. Report of the 2007 fieldwork of the Agro-Archaeological Project of the Beni, Department of Anthropology, University of Pennsylvania, Unidad Nacional de Arqueología, La Paz.
- 2006 (with Kristen Cahn) *The Undergraduate Thesis in Anthropology* Revised [a guide for Anthropology Majors Writing Theses]. Department of Anthropology, University of Pennsylvania.
- 2005 (with Paula Sabloff, Fran Barg, Janet Monge) *The Undergraduate Program in Anthropology*. Self-Study of the Department of Anthropology, Department of Anthropology, University of Pennsylvania.
- 2001 *The Undergraduate Thesis in Anthropology* [a guide for Anthropology Majors Writing Theses]. Department of Anthropology, University of Pennsylvania.
- 1997 *Waru Waru: Ancient Andean Agriculture*. [500+ page manuscript].
- 1997 (with Wilma Winkler and Kay Candler) *Las investigaciones arqueológicas en la región de Baures en 1996*. Manuscript submitted to the Instituto Nacional de Arqueología de Bolivia, La Paz.
- 1995 (with Wilma Winkler, Alexei Vranich, John Walker, y Dante Angelo) *Informe preliminar sobre investigaciones arqueológicas en Baures, Departamento del Beni, Bolivia. Parte I y Parte II*. Report submitted to the National Institute of Archaeology and the University of Pennsylvania Museum.
- 1994 (with William Balée) La ecología histórica de un paisaje complejo en Bolivia. *Informe sobre las investigaciones de la loma Ibibate en el departamento del Beni, Bolivia, en 1994*. Instituto Nacional de Arqueología y La Universidad de Pennsylvania, La Paz y Philadelphia.
- 1994 (with Kay Candler, Wilma Winkler, Marcos Michel, y John Walter) *Arqueología de la Agricultura de Camellones e Infraestructura Hidráulica en el Departamento del Beni. Informe preliminar sobre las investigaciones del Proyecto Agro-Arqueológico del Beni en 1993*. Instituto Nacional de Arqueología y La Universidad de Pennsylvania, La Paz y Philadelphia.
- 1993 (with Kay Candler, Wilma Winkler, Marcos Michel, y John Walter) *Informe preliminar de las investigaciones arqueológicas del Proyecto Agro-Arqueológico del Beni en 1992*. Instituto Nacional de Arqueología y La Universidad de Pennsylvania, La Paz y Philadelphia.
- 1991 (with Jose Esteves, Wilma Winkler, Marcos Michel) *La arqueología de la agricultura de camellones y la infraestructura hidráulica en los llanos de Moxos, Bolivia: Informe de los Trabajos de Campo efectuados durante el mes de Julio de 1990*. Instituto Nacional de Arqueología, La Paz, Bolivia.
- 1991 (with Dan Brinkmeier) *Raised Field Rehabilitation Projects in the Lake Titicaca Basin of Peru*. Unpublished manuscript submitted to the Interamerican Foundation, Washington, D.C.
- 1988 *An Archaeological Investigation of Raised Field Agriculture in the Lake Titicaca Basin of Peru*. Unpublished PhD dissertation, Department of Anthropology, University of Illinois, Urbana-Champaign [497 pages].
- 1986 (with Ignacio Garaycochea and Daniel Brinkmeier) *Experiencias en la arqueología aplicada: recuperación de campos elevados en la comunidad de Huatta*. Unpublished manuscript. Proyecto Agrícola de los Campos Elevados, Puno.
- 1977 (with Mark Druss and Ann Ottesen) *Archaeological Investigations at Beaver Dam National Battlefield Park*. Unpublished manuscript, National Park Service, Richmond, Virginia [approx. 100 pages].
- 1977 (with Darwin Horn) *Domestication and Subsistence Implications of Plant and Animal Utilization of the Lake Titicaca Basin*. Unpublished manuscript, Department of Anthropology, Washington University, St. Louis, Missouri [33 pages].
- 1976 *Chiripa Ethnobotanical Report: Flotation Recovered Archaeological Remains from an Early Settled Village on the Altiplano of Bolivia*. Unpublished manuscript, Department of Anthropology, Washington University, St. Louis, Missouri [67 pages].

BOOK REVIEWS

- 2004 Review of *Cultivated Landscapes of Native Amazonia and the Andes* by William Denevan. *Latin*

- American Antiquity* 15(1):116-117.
- 2000 Review of *Human Impact on Ancient Environments* by Charles Redman. *Latin American Antiquity* 11(4):433.
- 1995 Review of *The Onset of Inequality before the Arrival of the Inka* by Christine Hastorf. *Latin American Antiquity* 6(2):186-187.
- 1991 Review of *The Preceramic Excavations at the Huaca Prieta, Chicama Valley, Peru* by Junius Bird. *American Antiquity* 56(1):178-179.

INTERNET PUBLICATIONS

- 2016-2018 (with Norman Badler and students of ANTH 258 and CIS 106) *Visualizing the Past-Baures, Bolivia v2* [3D model and animation video and individual student projects about the Hydraulic Landscapes of the Bolivian Amazon]. A study of the pre-Columbian cultural landscapes of the Llanos de Mojos, Bolivia, by studio-seminar students of ANTH 258/CIS106: *Visualizing the Past/Peopling the Past*, Digital Media Design, School of Engineering, Fall 2016, 2017, 2018. <https://www.visualizingthepast.net/>
- 2009 (with Norman Badler and students of ANTH 258 and CIS 106) *Sacred Landscapes of the Incas: The Ceque System*. A study of the Cultural Landscapes of the Incas, Cuzco, Peru, by studio-seminar students of ANTH 258/CIS106: *Visualizing the Past/Peopling the Past*, Digital Media Design, School of Engineering, Fall 2009. <http://www.seas.upenn.edu/~cis106/>
- 2005 (with Norman Badler and students of ANTH 258 and CIS 106) *Tiwanaku: A Virtual Journey*. A study of the Cultural Landscapes of Western Highland Bolivia by studio-seminar students of ANTH 258/CIS106: *Visualizing the Past/Peopling the Past*, Digital Media Design, School of Engineering, Spring 2003. <http://cg.cis.upenn.edu/tiwanaku/>
- 2003 (with Dana Tomlin, Alexei Vranich, and students of ANTH 557 and LARP 702) *Tierra Sajama*. A study of the cultural landscapes of western Highland Bolivia by studio-seminar students of ANTH 557: Sacred Geography of the Incas and Landscape Architecture and Regional Planning 702, Penn Design), Spring 2003. <http://cml.upenn.edu/tierrasajama/default2.htm>

VIDEOS AND DOCUMENTARIES

- 2016 (with Norman Badler and students of ANTH 258 and CIS 106) *Visualizing the Past-Baures, Bolivia v2* [3D model and animation video of the Hydraulic Landscapes of the Bolivian Amazon]. A study of the pre-Columbian cultural landscapes of the Llanos de Mojos, Bolivia, by students of studio-seminar ANTH 258/CIS106: *Visualizing the Past/Peopling the Past*, Digital Media Design, School of Engineering. <https://www.youtube.com/watch?v=5OmQdWTWk4Y>
- 2009 (with Daniel Brinkmeier, Michael Cepek, Hugo Lucitante, and Martin Criollo) *Ingi Canse'cho Ande* ("The Land Where We Have Lived"). DVD (2 discs) oral histories and interpretive map of cultural landscapes of the Cofán, an indigenous group in the Amazon region of Ecuador, in A'ingae (native Cofán language) (Field Museum, Chicago). Introduction can be seen on YouTube: <https://www.youtube.com/watch?v=4SfjH-5J6E>
- 1985 (with Ignacio Garaycochea and Luis Masias) *Volver A Hacer Waru Waru* (Recuperating Raised Fields) (Documentary and Educational Film; 7 part video training course in Quechua). Centro en Servicios de Pedagogía Audiovisual para la Capacitación, CESPAC, Lima, Perú. Complete documentary can be seen on YouTube: <https://www.youtube.com/playlist?list=PLZSLTCCTfgLKnk3ZnBopyqOT41RUhrOAO>

BOOKS IN PREPARATION

Monumental Earthworks of the Bolivian Amazon. [200+ page manuscript]
 (with Patrick Brett) *The Pre-Columbian Cultural Landscapes of Baures, Bolivia* [250+ page manuscript]
The Pre-Columbian Engineered Landscapes of the Bolivian Amazon
Pre-Columbian Water and Carbon Management in the Bolivian Amazon

ARTICLES AND BOOK CHAPTERS IN PREPARATION

The Historical Ecology of Totora Reeds in the Lake Titicaca Basin.
Agricultural Landscapes as Monuments.
Ring Ditch sites in Amazonian Prehistory.
Defining the Prehispanic Andean Community: An Application of the Archaeology of Landscapes.
The Anthropogenic Nature of Forests in the Bolivian Amazon.
Reading Prehispanic Andean Landscapes.
Excavations in Prehispanic Raised Fields in the Bolivian Amazon.
The Dating of Raised Field Agriculture in the Llanos de Mojos, Bolivia.
Max Uhle's Account of the Prehispanic Raised Fields of Bolivia.

GRANTS RECEIVED

- 2019 (with Norm Badler, Penn Engineering and DMD Program) check on details
- 2018 (with Norm Badler, Penn Engineering and DMD Program) Summer Undergraduate Research Group Grant (SUGG) funds to engage high-achieving Penn undergraduates innovative research projects (\$9,000 for research & \$12,000 [\$4,000 x 4 students] summer stipends to support 4 undergraduates for 10 weeks). *Precolumbian Hydraulic Landscapes of the Bolivian Amazon: virtual reality and digital modeling.*
- 2016 TerraSAR-X Science Service System (access to high resolution radar satellite imagery; no Direct or Indirect Costs); *Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon.*
- 2013 National Aeronautics and Space Administration, Space Archaeology Program (\$290,000 over 3 years); *Flood Regimes and Carbon Cycling in Anthropogenic Landscapes of the Bolivian Amazon.*
- 2011 Five student internships for research on digital media and exhibit prototypes for a large traveling exhibit about the pre-Columbian Andean ceremonial center of Pachacamac, Peru, funded by a private donor (awarded to the Center for Human Modeling and Simulation, Department of Computer & Information Science, Penn Engineering, University of Pennsylvania).
- 2007 Instructional Technology Grant (Teaching with Technology), School of Arts and Sciences Internal Grants, University of Pennsylvania (\$3000 plus computer staff time) *Student Research and Web Publication of Objects from the University of Pennsylvania Museum of Archaeology and Anthropology.*
- 2007 The University Research Foundation, University of Pennsylvania (\$20,700) *The Pre-Columbian Engineered Landscapes of the Bolivian Amazon.*
- 2007 H. John Heinz Charitable Trust (\$10,000) *Ring Ditch Sites and Associated Cultural Landscapes in the Bolivian Amazon.*
- 2002 The University Research Foundation, University of Pennsylvania (\$10,117) *Computer-Recording and modeling of the Precolumbian Built Environment.*
- 1999 The American Philosophical Society (\$3000): *Archival Archaeology: The Max Uhle Archives in Berlin.*
- 1999 The Penn Humanities Forum on Human Nature; National Endowment for the Humanities (\$5000); *Long-term Human/Nature and Landscapes in the Amazon.*
- 1998 The Peruvian Copper Corporation (\$7800), *The Return of a Stolen Cultural Treasure to Peru: An Exhibition of a Moche Gold Artifact.* University of Pennsylvania Museum of Archaeology and Anthropology. July 16-August 8, 1998.
- 1997 (with Jeremy Sabloff, Douglas Haller, Adria Katz, Phil Chase) National Science Foundation, (\$63,380), *Digitization of the Archives of the Sitio Conte Collection.* University of Pennsylvania Museum of Archaeology and Anthropology. BCS-9707808
- 1996 American Philosophical Society Research Grant (\$2800), *Archaeological Investigation of the Baures Prehispanic Hydraulic Complex, Bolivia.*
- 1993 (with the Parish of San Ignacio) Interamerican Foundation, (\$40,000), *Raised Field Agriculture: An*

- Ancient Alternative for Tropical Development in the Department of the Beni, Bolivia.* Grant for experimentation and rehabilitation of raised field agriculture in indigenous communities in the Llanos de Mojos.
- 1992 National Science Foundation, (\$151,997), *Prehispanic Agricultural Systems in the Llanos de Mojos of Bolivia.* Grant for archaeological research on prehispanic raised field agriculture in the Llanos de Mojos." BCS-9212339
- 1992 H. John Heinz Charitable Trust (\$6,000), *Prehistoric Landscapes of the Llanos de Mojos of Bolivia.* Grant for Latin American Archaeology, for archaeological research on prehispanic raised field agriculture in the Llanos de Mojos.
- 1992 (with the Parish of San Ignacio) Interamerican Foundation, (\$10,000). *Raised Field Agriculture: An Ancient Alternative for Tropical Development in the Department of the Beni, Bolivia.* Grant for experimentation and rehabilitation of raised field agriculture in indigenous communities in the Llanos de Mojos.
- 1990 The University Research Foundation, University of Pennsylvania, (\$17,000). *The Archaeology of Raised Field Agriculture in the Llanos de Mojos of Bolivia.* Grant for preliminary field investigation of raised fields in the Llanos de Moxos
- 1982 National Science Foundation Dissertation Improvement Grant (\$5,000)
- 1980 Social Science Research Council, Fellowship for Dissertation Research (\$20,000).

PROFESSIONAL AND TEACHING EXPERIENCE

August 1988-present: Full Professor (2011-present); Associate Professor (1995-2011); Assistant Professor (1988-1995). Department of Anthropology, University of Pennsylvania, Philadelphia.

August 1988-present: Curator-In-Charge. The University of Pennsylvania Museum of Archaeology and Anthropology, American Section, Curator of South American Collections, University of Pennsylvania, Philadelphia.

August 1987-May 1988: Visiting Lecturer. Department of Sociology and Anthropology, Indiana University-Purdue University at Fort Wayne, Indiana.

September 1986-March 87: Archaeological Assistant. Resource Investigation Program, Department of Anthropology, University of Illinois, Champaign-Urbana.

January 1985-June 1986: Coordinator. Raised Field Agricultural Project, a small development and research group devoted to training farmers in raised field technology, Puno, Peru.

September 1980-June 1981: Remote Sensing Project utilizing LANDSAT satellite images to locate and identify raised fields in the Llanos de Mojos, Bolivia.

1973-1987: Archaeologist assisting in numerous archaeological research and cultural resource management projects in Missouri, Illinois, Wisconsin, Kentucky, and Virginia.

1976-1984: Teaching Assistant for the Department of Anthropology, University of Illinois, various semesters of courses in archaeology and physical anthropology.

1979-1987: Research Assistant for Department of Anthropology, University of Illinois, various semesters.

FIELD, RESEARCH, AND SYNERGISTIC EXPERIENCE

Spring 2020: Tumacácori National Historical Park. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the

Department of Anthropology and Program in Historic Preservation of the Stuart Weitzman School of Design (Frank Matero).

Spring 2018: Fort Union National Monument, New Mexico. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Frank Matero).

Spring 2017: Fort Union National Monument, New Mexico. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Frank Matero).

Spring 2016: Fort Union National Monument, New Mexico. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Frank Matero).

Summer 2012: Mesa Verde National Park, Colorado. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Professor Frank Matero) for training of international students from Peru, Colombia, Cambodia, and the US in earthen construction conservation and landscapes (funded by the Global Heritage Foundation).

Spring 2011: Mesa Verde National Park, Colorado. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Frank Matero) in preparation of management plan for the sites of the Far View Group.

2010: *Mapping Cultural Landscapes of the Cofán through Oral History Project*: followup evaluation of the 2007-2008 project focusing on oral history interviews, mapping, and preparation of a GIS of settlements, historical and sacred places, ethnogeography, and toponyms of the Cofán, an indigenous group in the Amazon region of Ecuador (with staff of the Division of Environment, Culture, and Conservation, Field Museum, Chicago).

2008: *The Pre-Columbian Engineered Landscapes of the Bolivian Amazon Project*; survey, mapping, excavations, network analysis, and historical ecology of networks of prehistoric roads, causeways, canals, fish weirs, reservoirs, in the Baures Region, Bolivia.

2007-2008: *Ring Ditch Sites and Associated Cultural Landscapes Project*; survey, mapping, excavations, and historical ecology of ring ditches, roads, canals, river meander short cuts, and raised fields, Magdalena, San Ramon, Bella Vista, and Baures, Bolivia.

2007-2008: *Mapping Cultural Landscapes of the Cofán through Oral History Project*: oral history interviews, mapping, and preparation of a GIS of settlements, historical and sacred places, ethnogeography, and toponyms of the Cofán, an indigenous group in the Amazon region of Ecuador (with staff of the Division of Environment, Culture, and Conservation, Field Museum, Chicago).

Spring 2006: Bolivia and Turkey. *Conservation and Management of Archaeological Sites and Landscapes Studio-Seminar*; Cross-school collaboration between faculty and students in the Department of Anthropology and Program in Historic Preservation of Penn Design (Professor Frank Matero) in preparation of management plans for the sites of Tiwanaku (Bolivia) and Gordion (Turkey).

Fall 2005: Tiwanaku, Bolivia: *Visualizing the Past/Peopling the Past Studio-Seminar*. Cross-school collaboration between faculty and undergraduate students in the Department of Anthropology, Department of Computer Science and Information, and Digital Media Design of Penn Engineering (Professor Norm Badler) for computer modeling of the built environment and cultural landscapes the Site of Tiwanaku involving CAD and GIS Modeling, Virtual Reality, and site interpretation.

Spring 2003-present: Bolivia. *Sacred Geographies of the Andes Studio-Seminar*. Cross-school collaboration between faculty and students in the Department of Anthropology and the Department of Landscape Architecture and Regional Planning of Penn Design of GIS study of Andean shrines, alignments, roads, and ceremonial centers.

August 2002: Bolivia. *Computer-Recording and 3D modeling of the Pre-Columbian architecture at Tiwanaku, Bolivia*. Cross-school collaboration between faculty and students of the Department of Anthropology and the Department of Computer Science and Information (Professor Kostas Daniilidis) for computer modeling, recording, and software development of built environment.

2002: Bolivia. *Mapping Natural and Cultural Resources of the Siriono Indigenous Territory (Bolivia)*. Part of an undergraduate course research project in ANTH 133: *Native Peoples and the Environment*

2001-present: Bolivia. *Ritual Roads and Engineered Landscapes of the Bolivian Amazon*.

July 1999: Bolivia. Archaeological survey of prehispanic earthworks in the Baures Prehispanic Hydraulic Complex of the Bolivian Amazon.

July - August 1996: Bolivia. Archaeological survey, topographic mapping and excavations of prehispanic earthworks in the Baures Prehispanic Hydraulic Complex of the Bolivian Amazon.

June-July 1996: Colombia. Archaeological survey and preliminary mapping of riverine settlements, "black earth sites," and anthropogenic landscapes in the Colombian Amazon (Mesay, Caqueta, and Amazon rivers); planning for archaeological research and student training program in Amazon.

July-September 1995: Bolivia. Archaeological survey, excavation and mapping of raised fields and hydraulic works in the Llanos de Mojos of Bolivia, experimental and applied raised field program; exploration of the region of Baures (survey, mapping, and aerial reconnaissance of a large complex of earthworks).

May-September 1994: Bolivia. Archaeological survey, excavation and mapping of raised fields and hydraulic works in the Llanos de Mojos of Bolivia, experimental and applied raised field program.

June-September 1993: Bolivia. Archaeological survey, excavation and mapping of raised fields and hydraulic works in the Llanos de Mojos of Bolivia, experimental and applied raised field program.

June-September 1992: Bolivia. Archaeological survey, excavation and mapping of raised fields and hydraulic works in the Llanos de Mojos of Bolivia, five year research permit granted by the Bolivian government.

July-August 1990: Bolivia. Archaeological reconnaissance and excavations of prehispanic raised fields, canals, and causeways in the tropical lowlands of the Llanos de Mojos.

March 1989: Peru. Evaluation of Government and Non-government Raised Field Rehabilitation projects in the Lake Titicaca Basin.

January 1985-June 1986: Peru. Experimental and applied archaeological investigation of raised field agriculture in the Lake Titicaca Basin.

June 1981-June 1983: Peru. Investigation of prehistoric raised field agriculture in the Lake Titicaca Basin combining archaeological survey, excavation, and agricultural experimentation raised fields in the Lake Titicaca Basin.

May 1980-Sept 1980: Wisconsin. Field Archaeologist for survey in Alma, Wisconsin, survey, excavation and salvage archaeological excavation in East Dubuque and Alma, Wisconsin.

December 1978-January 1979: Ecuador. Co-director of project involving archaeological survey and topographic mapping of prehistoric architecture in the Ecuadorian montaña near the site of Tulipe.

June 1978-August 1978: Bolivia. Archaeological survey of raised field systems and associated occupation sites.

May 1975-August 1975 and July 1974-August 1974: Bolivia. Archaeological excavation and paleoethnobotanical study of plant remains of the formative site of Chiripa.

1974-1985: Midwest and Eastern United States. Participation as field archaeologist on numerous archaeological surveys and excavations including the I-270 Mitigation Project (IL), Stratford Hall (VA), Resource Investigation Program of the University of Illinois (IL), and the Wisconsin Historical Society (WI).

MUSEUM ACTIVITIES

Curator: South American Collections of the University Museum of Archaeology and Anthropology (Penn Museum); Curator-in-Charge of the American Section.

Responsibilities:

- Curation of Andean and Amazonian archaeological, colonial, and ethnographic collections of the American Section: The Andean and Amazonian collections consist of 12,500 artifacts and over 6,000 artifacts respectively, the largest collection in the American Section (total of 200,000 artifacts).
- Curation of a large collection of ethnographic and archaeological photographs and written materials on South America in the Penn Museum Archives.
- Public talks and lectures: (see selection listed under "Recent Public Lectures")
- Fieldwork projects under auspices of the Penn Museum (see above)
- Hosting of and consultation with scholars visiting and studying the Penn Museum's collections.
- Current committee membership: Expedition Magazine Advisory Board, Repatriation Committee, Center for the Analysis of Archaeological Materials Faculty Oversight Committee,
- Past committee membership: Publications and Editorial Review Committee, Collections and Acquisitions Committee, Penn Museum, Special Events/Membership/Education Committee, Penn Museum, Curator Liaison of Museum Services, Repatriation Committee, Chinese Archaeology Search Committee, North American Archaeology Search Committee (Chair), and others.
- Leading formal tours of the South American collections to visiting scholars, Museum Guides, Women's Committee, and graduate and undergraduate students.
- Lecturer and guide for Women's Committee Archaeology tours: "Empires of Greatness: Splendors of Precolumbian Mexico" (March 9-23, 1990); "Andean Archaeology" (Fall 1997), "Andean and Amazonian Archaeology" (March 2001), "Peru Tour: Inka and Their Ancestors Peru" (June 2017), and others.

Work in Progress:

- *Uncorking the Past*, comparative exhibit about past and present indigenous beers and wines
- *Pachacamac: An Andean Ceremonial Center*, exhibit about the large Andean ceremonial center and collections excavated by Max Uhle of the Penn Museum

- Penn Museum website and database highlighting 10 years of undergraduate student research on objects from the American Section of the Penn Museum
- Book on Max Uhle's photographs and notes from South America in the Penn Museum Archives.
- Planning and design for new exhibit hall of South American Civilizations and Cultures
- Study of Tiwanaku artifacts collected by Max Uhle in the Andean Collection
- Study of the archaeological materials from the site of Pachacamac for a permanent or traveling exhibit
- Exhibit of my photographs from archaeological research on raised field agriculture and applied archaeology in the Andes and Amazon.

MUSEUM EXHIBITS CURATED

- 2015 Co-Curator (with Lucy Fowler-Williams and William Wierzbowski): *Beneath the Surface: Life, Death, and Gold in Ancient Panama*, traveling exhibit about the pre-Columbian Sitio Conte, Panama (February – November 2015) <https://www.penn.museum/collections/videos/video/28>
<https://www.penn.museum/collections/videos/video/25>
- 2007 Local Curator: *Vanishing Worlds: Art and Ritual of Amazonia*. Traveling Exhibit from the Houston Museum of Natural Sciences, University of Pennsylvania Museum of Archaeology and Anthropology. March 3 through June 30, 2007
- 1998 Curator (with Lucy Fowler-Williams & Walter Alva): *The Return of a Stolen Cultural Treasure to Peru: An Exhibition of a Moche Gold Artifact*. University of Pennsylvania Museum of Archaeology and Anthropology. July 16-August 8, 1998.
<https://www.penn.museum/sites/Moche/mocheintro.html>
- 1995 Curator: *Aymara Reed Boat Construction: A Living Exhibit and Demonstration*. Master boatbuilders Erik and Maximo Catari came to the Penn Museum to demonstrate the construction of an Aymara "balsa" reed boat used on Lake Titicaca, Bolivia. University of Pennsylvania Museum of Archaeology and Anthropology. Fall 1995.
- 1989 Consulting Curator: *The Gift of Birds: Featherworking of Native South American Peoples*. University of Pennsylvania Museum of Archaeology and Anthropology, 1989-1990.

MUSEUM EXHIBITS IN PLANNING

Curator (with Anne Tiballi) Pachacamac: An Andean Ceremonial Center, exhibit about the large Andean ceremonial center and collections excavated by Max Uhle of the Penn Museum (presented to the Exhibition Committee Spring 2019; Approved as an exhibit for 2022 or later).
Co-Curator with Patrick McGovern: *Uncorking the Past*. Exhibit idea approved by Penn Museum 5/2010.

WORKSHOPS

- 2012 *Teaching with Objects*, Graduate Students in Anthropology, University of Pennsylvania, March 20, 2012.
- 2010 *Archaeological Cultural Heritage*, United States Army (Fort Dix, New Jersey), University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, April, 2010.
- 2009 *Cultural Property Training Program*, Immigration and Customs Enforcement (ICE), University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, April 29, 2009.
- 2008 *Cultural Property Training Program*, Immigration and Customs Enforcement (ICE), University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, April 1-2, 2008.
- 2008 *Cultural Property Training Program*, Immigration and Customs Enforcement (ICE), University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, March 4-5, 2008.
- 2007 *Cultural Property Training Program*, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, May 1-2, 2007
- 2005 *Training Program for the Art Theft Task Force of the Federal Bureau of Investigation*. The University

of Pennsylvania Museum of Archaeology and Anthropology and Federal Bureau of Investigation, Philadelphia. January 13, 2005.

PAPERS PRESENTED AT PROFESSIONAL MEETINGS AS AN INVITED PARTICIPANT

- 2019 (with Kristin Chow, Jeanette Nicewinter, Aline Normoyle, and Norman Badler) Crowd and procession hypothesis testing for large-scale archaeological sites. Paper presented in the Workshop MARCH at the 2nd International Conference on Artificial Intelligence & Virtual Reality (AIVR 2019), San Diego, California, USA, December 9-11.
- 2019 (with Samantha Seyler) Don Lathrap, Precocious Civilization, and the Highland-Lowland Link in Andean Archaeology. Paper to be presented in the symposium *The Legacies of Archaeologists in the Andes: Second Symposium, the Institutionalization and Internationalization of Andean Archaeology*, organized by Monica Barnes and Mario Rivera, 84rd Annual Meeting of the Society for American Archaeology, Albuquerque, New Mexico, April 10–14, 2019
- 2018 (with Jedediah Dale and Timothy Beach) Remote Sensing of Burning Dynamics in the Domesticated Landscape of the Bolivian Amazon. Southwest Division of the American Association of Geographers Annual Meeting. Baton Rouge, LA October 2018.
- 2018 South American Agricultural Landscapes over Millennia: The Human Agricultural Footprint. Paper presented at the symposium *Mapping Global Agricultural History*, Organized by Mats Widgren, Royal Swedish Academy of Letters, History, and Antiquities, Stockholm, Sweden, October 9-12, 2018.
- 2018 (with Jedediah Dale) Flood Regimes, Earthworks, and Water Management in the Domesticated Landscapes of The Bolivian Amazon. Paper to be presented in the symposium *Anthropogenic rainforest: landscape management in the Amazon before the European conquest*, Organized by Stéphen Rostain & Camila Guarim Figueiredo at the 83th Annual Meeting of the Society for American Archaeology, Washington DC, April 11-15, 2018.
- 2017 Domesticated Landscapes. Paper presented in *Natures/Cultures* Colloquium Series, Organized by Katherine Morrison & Nikhil Anand, Department of Anthropology, University of Pennsylvania. <https://www.youtube.com/watch?v=EoECezBgjaA> (note: first few minutes are missing)
- 2017 Arqueología de la Amazonia boliviana desde una historia de ideas. Keynote Lecture presented at the IV International Meeting of Amazonian Archaeology. Organized by Carla Jaimes Betancourt, Trinidad, Bolivia, October 1-7, 2017.
- 2017 Conservation & Management of Archaeological Sites and Landscapes: Curriculum and Fieldwork at UPENN. *Archaeology & Conservation Education Round Table*. Organized by Thomas Roby, Alice Paterakis, and Jeanne Marie Teutonico, Getty Conservation Institute, Los Angeles, CA February 12-13, 2017
- 2015 Wetlands as Domesticated Landscapes: Pre-Columbian Water Management in the Bolivian Amazon. Paper presented in the Annual Symposium *Amazonia and the making of the Andean World*, organized by the Pre-Columbian Society Symposium, Washington, DC, September 26, 2015.
- 2015 Discussant. *Landscapes of Production: New Research on the Archaeology of Agriculture and Irrigation*. Symposium organized by Frances Hayashida, Andrés Troncoso, and Diego Salazar at the 80th Annual Meeting of the Society for American Archaeology, San Francisco, California, April 15-19, 2015.
- 2015 Pre-Columbian Monumental Landscapes in the Bolivian Amazon. Keynote Speaker, 43rd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Vanderbilt University, Nashville, February 28, 2015.
- 2014 Pre-Columbian Monumental Landscapes in the Bolivian Amazon. Shepard Krech III Lecture Series, Haffenraffer Museum, Brown University, Providence, October 6, 2014.
- 2014 Obras monumentales de tierra geométrica precolombina en la Amazonía boliviana. Fundação Universidade Federal De Rondônia. Núcleo De Ciências Humanas, Departamento De Arqueologia, Centro Acadêmico – CAREM, Porto Velho, Brazil, July 21-26, 2014.

- 2014 Discussant. Conferencia *Nuevas Tendencias en el estudio del Camino Inca* "Proyecto Qhapaq Ñan, Ministerio de Cultura, Lima, Peru, June 26-27, 2014.
- 2013 Wetlands as Domesticated Landscapes: Pre-Columbian Water Management in the Bolivian Amazon. Paper presented in the Symposium *Resilience and Sustainability: What Are We Learning from the Maya and Other Ancient Cultures?* Institute for Advanced Study, University of Minnesota Site & Incitement University Symposium. November 7-9, 2013.
- 2013 The Monumentality of Pre-Columbian Farmed Landscapes. Paper presented in the the Studia Latinoamericana Lecture Series, Helsinki, Finland, October 25, 2013.
- 2013 Wetlands as Domesticated Landscapes: Pre-Columbian Water Management in the Bolivian Amazon. Paper presented in the Symposium on *Mojos y Acre* organized by Carla Jaimes Betancourt, 3rd International Congress of Amazonian Archaeology (EIAA), Quito, Ecuador, September 8-14, 2013.
- 2013 Pre-Columbian Monumental Landscapes in the Bolivian Amazon. Paper presented in the Spring Lecture Series, Department of Anthropology, University of Texas-San Antonio, April 26, 2013.
- 2013 The Monumentality of Pre-Columbian Farmed Landscapes. Paper presented in the Symposium *Forest, Fallow, Terrace, and Field: Session in Honor of William M. Denevan's Contributions to Cultural & Historical Ecology* organized by A. WinklerPrins and K. Mathewson for the Association of American Geographers Annual Meeting, Los Angeles, CA, April 9 to April 13, 2013.
- 2012 Max Uhle and Pachacamac. Paper presented at the Roundtable *The Sanctuary of Pachacamac*, Precolumbian Studies, Dumbarton Oaks, Washington DC, November 30-December 2, 2012.
- 2012 Discussant. World Heritage Now: Critical Views of the 1970 and 1972 UNESCO Conventions. Penn Cultural Heritage Center, Penn Museum, Philadelphia, September 28-28, 2012.
- 2012 Art, Aesthetics, Structure and Agency of Everyday Life in a Pre-Columbian Landscape of Amazonia. Paper presented in *The World Around Them: How Pre-Columbian Societies created their Cultural Landscapes*. 2012 Symposium Pre-Columbian Society of Washington D.C., Navy Memorial Museum, September 15, 2012.
- 2012 Paisajes, monumentos, y bosques de cacao en la Amazonía boliviana [Paisagens, monumentos e florestas de cacau na Amazônia boliviana]. Paper presented in the *II Simposio Internacional Arqueología da Amazônia Ocidental Geoglifos de Acre—35 anos*. Rio Branco, Acre, Brazil, July 27-30, 2012.
- 2012 Wetlands as Domesticated Landscapes: Pre-Columbian Water Management in the Bolivian Amazon. Presentation sponsored by the Departments of Sociology and Anthropology and History, Sustainability Studies, International Relations, and the Lectures and Forums Committee, Muhlenberg College, Allentown, PA, April 25, 2012.
- 2012 Discussant in Symposium *Historical Ecology, Landscape Capital, and "Senses of Place."* 77th Annual Meeting of the Society for American Archaeology, Memphis, TN, April 19, 2012.
- 2012 Landscapes, Monuments, and Forests of Chocolate in the Bolivian Amazon. Paper presented for the Department of Sociology and Anthropology and Environmental Initiative, Lehigh University, Allentown, PA, April 11, 2012.
- 2011 Los paisajes culturales de la Amazonia boliviana. Keynote Lecture, VI Congreso de Arqueología de la Región Pampeana Argentina. La Plata, September 20-23, 2011.
- 2011 Wetlands as Domesticated Landscapes: Pre-Columbian Hydraulic Cultures in the Bolivian Amazon. Paper presented in the CLAG Research session: *New Developments in Amazonian Prehistory*. 2011 American Association of Geographers Annual Meeting, Seattle, April 13, 2011.
- 2010 Pre-Columbian Water Management in the Bolivian Amazon. Symposium *Water in the Ancient World*. Organized by Loa Traxler, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, PA, October 2, 2010.
- 2010 The Engineered Landscapes of the Bolivian Amazon. Magisterial Lecture, 2nd International Meeting on Amazonian Archaeology, Manaus, Brazil, September 13-17, 2010.
- 2010 Monumental Earthworks of the Bolivian Amazon: Scale, Design, Aesthetics, and Energetics of Ring Ditches Paper presented in the Symposium *Entre os Andes e a Bacia Amazônica: debatendo os Geoglifos e as Zanjas Circundantes da Amazônia Ocidental* organized by Denise Schaan e Alceu Ranzi, 2nd International Meeting on Amazonian Archaeology, Manaus, Brazil, September

- 13-17, 2010.
- 2010 Historical Ecology of Totora Reeds in Lake Titicaca. Paper presented in the Symposium *Caravanning Across the Americas: Research Inspired by the Work and Mentorship of David L. Browman* organized by Maria Bruno and José Capriles, 75th Annual Meetings of the Society for American Archaeology, St. Louis, April 14-18, 2010.
- 2010 Monuments, Landscapes, and Forests of Chocolate. Stigler Lectureship in Archaeology, University of Arkansas, Fayetteville, March 11, 2010.
- 2010 Landscapes, Monuments, and Forests of Chocolate. Keynote Address presented at the Sixth Sesquiannual Conference of the Society for the Anthropology of Lowland South America, San Antonio, January 14–17, 2010
- 2009 The Legacy of the Past and Its Role in the Present in Bolivia. Paper presented in the Symposium *Sacred Remains and Imagined Communities: Lo Precolombino as Touchstone*, organized by Ann Peters, Heather Levy, and Clark Erickson for the Conference *Latin Hybridities: the Roots of Indigenous, African and European Latinidad & Contemporary Social Issues for Latino Communities*. West Chester University, September 18, 2009.
- 2009 (with Patricia Alvarez & Sergio Calla) Zanjás circundantes o geógrafos monumentales de la región de Baures. Mesa temática: *Arqueología de las tierras bajas*, Coordinadora Claudia Rivera, Quinto Congreso de La Asociación de Estudios Bolivianos, Sucre, 24 - 27 June, 2009.
- 2009 The Four Field Approach, Americanist Studies, and Illinois Anthropology. A paper presented at the *Roundtable: Celebrating 50 Years of Illinois Anthropology*. Central States Anthropological Society 2009 Meetings, University of Illinois, Champaign-Urbana Illinois, April 4, 2009.
- 2008 The Domestication of Landscape in the Bolivian Amazon. Paper presented at the Symposium *Archaeology and Society in Bolivia*. Uppsala University, Sweden, September 26-28, 2008.
- 2008 Culture amidst the Pristine: The Anthropogenic Forests of the Bolivian Amazon. Paper presented in the Symposium *The Social Life of Forests: New Frameworks for Studying Change*. Kathleen D. Morrison, Susanna Hecht, and Christine Padoch, Program on the Global Environment Inaugural Conference, University of Chicago, May 29-31, 2008
- 2008 Mapping Cofán Settlement History and Cultural Landscapes. Paper presented at the Division of Environment, Culture, and Conservation, Field Museum of Natural History, Chicago, June 2, 2008.
- 2008 The Pre-Columbian Cultural Landscapes of the Bolivian Amazon. Paper presented at the Field Museum of Natural History, Chicago, May 29, 2008.
- 2008 Creation, Engineering, and Maintenance of Cultural Landscapes in the Bolivian Amazon. Paper presented in the Working Panel *Technologies for Development: High Tech vs. Low Tech*. Second Annual Penn Global Development Initiative Forum "Higher Education and International Development," University of Pennsylvania, Philadelphia, April 10-11, 2008.
- 2008 Invited Discussant in the Symposium *Historical Ecology and the Landscape Approach: Changing Perspectives on the Development of Southeast Asian Complexity*. Organized by Chureekamol Onsuwan Eyre and Dougald J.W. O'Reilly, 73rd Annual Meeting of the Society for American Archaeology, Vancouver, Canada, March 26-30.
- 2007 Homo ecologicus, Homo devastans, Farming, and Issues of Scale in Historical Ecology. Paper presented in the Symposium *Historical Ecology and Agriculture: Multi-Scalar Perspectives on the Courses and Consequences of Agrarian Land Use*, organized by Gregory Zaro, 72nd Annual Meeting of the Society for American Archaeology, Austin, April 25-29.
- 2007 Looting the Past, Art Collecting, and International Smuggling: An Andean Perspective. *Cultural Property Training Program*, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, May 1-2, 2007
- 2006 Agency, Roads, and the Landscapes of Everyday Life in the Bolivian Amazon. Paper presented in the Symposium *Landscapes of Movement: Roads, Paths, and Trails in Anthropological Perspective*, Organized by Clark Erickson, James Snead, and Andy Darling, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, May 30 – June 1.
- 2006 (with John Walker) Pre-Columbian Roads as Landscape Capital. Paper presented in the Symposium *Landscapes of Movement: Roads, Paths, and Trails in Anthropological Perspective*,

- Organized by Clark Erickson, James Snead, and Andy Darling, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, May 30 – June 1.
- 2006 Tiwanaku as Heterotopia. Paper presented at the Symposium *Contending Visions of Tiwanaku: A Cotsen Symposium and Publication*, Organized by Alexei Vranich and Charles Stanish, Cotsen Institute of Archaeology, Los Angeles, California, May 19-21, 2006
- 2006 Max Uhle en Filadelfia (1897-1899). Paper presented at the Symposium *Max Uhle (1856-1944). Evaluaciones de sus investigaciones y obras*. Organized by la Pontificia Universidad Católica del Perú, Lima, Peru, May 6-7.
- 2006 Pre-Columbian Wetland Engineering in the Cultural Landscapes of the Bolivian Amazon. Paper presented in the Symposium *Human Agency and Anthropogenic Landscapes in Amazonia*. 71st Annual Meeting of the Society for American Archaeology, San Juan Puerto Rico, April 26-30.
- 2006 Landscape Archaeology as Long-Term Historical Ecology. Paper presented at the Honors College and Department of Landscape Architecture, Pennsylvania State University, State College, PA, March 31.
- 2006 The Domestication of Landscape in Amazonia. Paper presented in the Dean's Workshop Series *New Perspectives on Ancient Amazonia*, Binghamton University, Binghamton, NY, March 8.
- 2005 [with John Walker] Historical Ecology of the Savanna-Forest Interface in the Bolivian Amazon. Paper presented in the Symposium *Multiplying futures in historical ecology: New directions for understanding change and continuity in sociocultural landscapes*, An Organized Session for the 104th Annual Meeting of the American Anthropological Association, Organized by Meredith Dudley and Felice Wyndham, Washington DC, November 30-December 4, 2005.
- 2004 Explorations of Pre-Columbian Agricultural Landscapes in the Amazon. Paper presented in the *Energy with Agricultural Carbon Utilization Symposium: Exploring Sustainable Alternatives to Sequestration*. Symposium organized in Conjunction with the G8 Summit, Athens Georgia, University of Georgia, June 10-11, 2004
- 2004 The Archaeology of Landscapes as Long-Term Historical Ecology. Paper presented in the Symposium *The Socio-Natural Connection: Integrating Archaeology and Environmental Studies for 21st Century Conservation*. Co-organized by Christopher T. Fisher, J. Brett Hill, Charles L. Redman, 69th Annual Meetings of the Society for American Archaeology, Montreal, Canada, March 31-April 4, 2004.
- 2004 Archaeological and Ecological Signatures of Sustainability. Paper presented in the 2004 A. Watson Armour III Spring Symposium *Indigenous Ecologies and Sustainability: Humans and Landscape Past and Present*. Organized by Chris Fisher and Gary Feinman, The Field Museum, Chicago, March 5-6, 2004.
- 2003 Discussant for the Symposium *Anthropological Perspectives on Glacial Retreat*. An Organized Session for the 102nd Annual Meeting of the American Anthropological Association, Organized by Ben Orlove and Ellen Wiegandt, November 18-23, 2003.
- 2003 El valor presente de camellones de cultivo precolombino: Experiencias en Perú y Bolivia. Coloquio Internacional *Agricultura Prehispánica* Organized by Francisco Valdez and Jean Francois Bouchard, Museo Nacional de Arqueología de Ecuador, Quito, Ecuador,
- 2003 The Domesticated Landscapes of the Bolivian Amazon. Paper presented at *The Future of the Rainforest: Does the Past Show the Way to the Future?* Conference organized by Dr. David Campbell, Grinnell College, February 11-13, 2003
- 2002 Peopling The Past Through The Study Of Mundane Landscapes. Paper presented in the symposium *Peopling Archaeology: Exploring Wendy Ashmore's Contributions to the Archaeology of Social Life and Cultural Landscapes*. An Organized Session by Arthur Joyce and Cynthia Robin, 101st Annual Meeting of the American Anthropological Association, New Orleans, LA November 20-24, 2002.
- 2002 Intensification, Political Economy, and the Farming Community: In Defense of a Bottom-Up Perspective of the Past. Paper presented at the 2nd Cotsen Conference: *Seminar on Irrigation and Society*. Organized by Charles Stanish, Cotsen Institute of Archaeology, University of California-Los Angeles, November 9, 2002.
- 2002 The Pre-Columbian Constructed Landscapes of the Bolivian Amazon. Paper presented at the

- Department of Anthropology Colloquium Series. Department of Anthropology, University of Wisconsin, Madison, WI, October 28, 2002.
- 2002 Pre-Columbian Engineered Landscapes of the Bolivian Amazon. Paper presented at the *Symposium on Historical Ecology of the Neotropics*, Organized by Dr. William Balée, Tulane University, New Orleans, October 18-19, 2002.
- 2002 Archaeological perspectives on Anthropogenic Landscapes. In the Symposium *Perspectives And Reflections on the Anthropogenic Amazon*, Invited Session sponsored by the Cultural Ecology Specialty Group and the Latin American Specialty Group, Annual Meetings of the American Association of Geographers, Los Angeles, March 19-23, 2002.
- 2001 The Archaeology of Landscapes as long-term Historical Ecology. Invited Session of the Anthropology and Environment Section and the Executive Program Committee. *How Has Ecology Transformed Anthropology in the Last 100 Years?* Session Organizer and Chair: Dr. Leslie E. Sponsel, 100th Annual Meeting of the American Anthropological Association, Washington DC, November 28-December 2, 2001.
- 2001 Anthropogenic Landscapes, Biodiversity, and Indigenous Knowledge Systems. Plenary Session Paper, *CHACMOOL 2001 - An Odyssey of Space*. University of Calgary, Calgary, November 14-18, 2001
- 2001 Applied Archaeology and Multiple Public Interests in the Bolivian Amazon. A paper presented at the Conference *Archaeology that Matters: Collaborations, Applications, and Ethics in the Americas*. hosted by the Center for Southwest Studies and Office of Community Services, Fort Lewis College, Durango, CO, October 19, 2001.
- 2001 Pre-Columbian Landscapes and Applied Archaeology in the Andes. A paper presented at the Conference *Not Just One Story: Collaborations in Cultural Research and Interpretation on Public Lands* hosted by the Center for Southwest Studies and Office of Community Services, Fort Lewis College, Durango, CO, October 18, 2001.
- 2001 Discussant. *Contextualizing Urbanism: Investigations of Center and Rural Dependencies in the Old and New World*. Symposium organized by Rita Wright and Alexei Vranich, 66th Annual Meetings of the Society for American Archaeology, New Orleans, LA, April 18-22, 2001.
- 2001 The Revival of Traditional Agricultural Systems in Bolivia and Peru: Models for Landscape Management. Paper presented at the 4th US/ICOMOS International Symposium *Managing Change: Sustainable Approaches to the Conservation of the Built Environment*. University of Pennsylvania, Philadelphia, 6-8 April 2001.
- 2001 Prehispanic Rituals, Alignments, Roads and Power in the Bolivian Amazon. Paper presented in the Conference *Indigenous Amazonia at the Millennium: Politics and Religion*. organized by William Balée and Jeffrey Ehrenreich, Tulane University, New Orleans, January 12-13, 2001.
- 2000 Defining the Prehispanic Andean Community: An Application of the Archaeology of Landscapes. Paper presented in the *Conference on the Meaning and Structure of Human Settlements* organized by Joseph Rykwert and Tony Atkin, University of Pennsylvania, Philadelphia, PA [October 20-21, 2000].
- 2000 Agricultural Landscapes as Monuments. Paper presented in the Symposium *Ancient Andean Agriculture: Issues of Intensification*. Organized by Ryan Williams, 65th Annual Meetings of the Society for American Archaeology, April 5-9, 2000, Philadelphia, PA.
- 2000 The "Natural Environment" of the Bolivian Amazon: An Archaeological Perspective. Paper presented in the *Colloquium Series of the Institute for Environmental Studies*, University of Pennsylvania, Philadelphia, March 30, 2000.
- 2000 Long-Term Human/Nature and Landscape in Amazonia. Paper presented in the *Penn Humanities Forum*, University of Pennsylvania, Philadelphia, February 8, 2000.
- 1999 An Archaeological Contribution to the Historical Ecology of Precolumbian Landscapes. Paper presented in the Symposium *Agroecology and Soil/Crop Management among Indigenous Cultures*, Annual Meetings of the American Society of Agronomy, Crop Science Society of America and the Soil Science Society of America, Salt Lake City, UT, October 31-November 4.
- 1999 The "Natural Environment" of the Bolivian Amazon: An Archaeological Perspective. Paper Presented in the Roundtable *The Cultural Production of Nature in the Tropics*, Studies in

- Landscape Architecture and Precolumbian Studies, Dumbarton Oaks, Washington DC, April 10, 1999
- 1999 The Concept of "Human Adaptation" in the Neotropics: Is it still Useful? Invited Paper presented in the Symposium *Culture and Environment in the Lowland Neotropics* organized by Peter Siegel, 64th Annual Meeting of the Society for American Archaeology, Chicago, IL, March 24-28.
- 1999 Invited Discussant. *Tiwanaku Political Economy* organized by Charles Stanish and Amanda Cohen, 64th Annual Meeting of the Society for American Archaeology, Chicago, IL, March 24-28.
- 1998 Public Interest Anthropology: An Archaeological Perspective. Invited Paper presented in the Symposium *Public Interest Anthropology* organized by Peggy Sanday and Elvin Hatch at the 97th Annual Meetings of the American Anthropological Association, Philadelphia, PA December 2-6.
- 1998 The "Pristine Landscapes" of the Bolivian Amazon: An Archaeological Perspective on Human Impact on the Environment. *Colloquium of the Department of Anthropology and Department of Zoology, Field Museum of Natural History*, Chicago, May 7.
- 1998 Neo-Environmental Determinism and Agrarian "Collapse" in Andean Archaeology. Paper presented in the symposium *Dynamic Landscapes as Socio-Political Process: The Topography of Anthropogenic Environments in Global Perspective* organized by Tina Thurston and Chris Fischer, 63rd Annual Meeting of the Society for American Archaeology, Seattle, Washington, March 25-29.
- 1998 Invited Workshop Panelist. *Surviving Graduate School*, Society for American Archaeology Student Affairs Committee, , 63rd Annual Meeting of the Society for American Archaeology, Seattle, Washington, March 25-29.
- 1997 The Prehispanic Roads of the Bolivian Amazon. Paper presented in the Symposium *Vías precolombinas: los caminos, los ingenieros y los viajeros*, 49th International Congress of Americanists, Quito, Ecuador, July 7-11.
- 1997 An Archaeology of Landscapes. Paper presented in the *Department of Anthropology Colloquium Series*, University of Pittsburgh, Pittsburgh, April 18.
- 1997 Discussant. *New Perspectives on Brazilian Archaeology*. Symposium organized by Renato Kipnis and Irmhild Wust, 62nd Annual Meetings of the Society for American Archaeology, Nashville, TN, April 2-6.
- 1997 Archaeological Approaches to Ancient Agrarian Landscapes: Prehistoric Raised Field Agriculture in the Andes and the Intensification of Agricultural Systems. Paper presented at the *Program in Agrarian Studies Colloquium Series*, Yale University, New Haven, February 14.
- 1996 Discussant for Symposium *Sacred Landscapes: Constructed and Conceptualized* organized by Wendy Ashmore and Bernard Knapp, 95th Annual Meetings of the American Anthropological Association, San Francisco, November 20-24.
- 1996 Montículos de asentamiento (lomas) en los Llanos de Moxos de Bolivia. Simposio *Arqueología de las Tierras Bajas*, Montevideo, Uruguay, April 22-25.
- 1996 Montículos y patrones de asentamiento prehispánico en la cuenca del lago Titicaca, Perú. Simposio *Arqueología de las Tierras Bajas*, Montevideo, Uruguay, April 22-25.
- 1995 Traditional Raised Field Agriculture: What do we know from the Archaeological Record? Paper presented at the *Conference on Traditional Raised Field Agriculture in the Andes*, Center for Latin American Cultures, Cornell University, Ithaca, New York, March 3-4.
- 1994 La definición de culturas prehispánicas del Beni a través de la arqueología de camellones de cultivo. Paper presented in the *Segundas Jornadas Arqueológicas sobre la Cultura Prehispánica de Mojos*, Trinidad, Bolivia, August 30-31.
- 1994 Raised Fields as a Sustainable Agricultural System from Amazonia. Paper presented in the Symposium *Recovery of Indigenous Technology and Resources in Bolivia* at the 18th International Congress of the Latin American Studies Association, Atlanta, March 10-12.
- 1994 Indigenous Technology for Sustainable Development: Ancient Examples. *Annual Lecture presented for the Center for Indigenous Knowledge and Rural Development*, Iowa State University, Ames, February 4.
- 1993 Prehispanic Intensive Agriculture in the Bolivian Amazon. Paper presented at the Columbia University Seminar on *Ecological Systems and Cultural Evolution*, Columbia University, New York, NY, November 8.

- 1993 El estudio de camellones prehispánicos en los Llanos de Moxos y la arqueología aplicada. Paper presented in the *Conferencia sobre Camellones de Cultivo en el Beni*, Trinidad, Bolivia, August 7-8.
- 1993 Prehispanic Interactions between the Llanos de Mojos and the Altiplano of Bolivia. Paper presented in the symposium *Andean-Amazonian Linkages in Prehistory*, 58th Annual Meeting of the Society for American Archaeology, St Louis, April 14-18.
- 1992 Prehispanic Complex Societies of the Bolivian Amazon. Paper presented in the symposium *Model Building and Validation in New World Archaeology: Papers in Honor of Donald W. Lathrap*, 91st Annual Meetings of the American Anthropological Association, San Francisco, December 2-6.
- 1992 The Prehistory of the Llanos de Mojos of Bolivia. Paper presented in the *Seminar on Amazonian Archaeology*, Yale University, New Haven, Connecticut, November 13.
- 1992 Before Pukara and Tiwanaku: Evidence of State Formation in the Northern Lake Titicaca Basin of Peru. Paper presented in the Symposium *Unity and Disunity in the Lake Titicaca Basin*, 57th Annual Meeting of the Society for American Archaeology, Pittsburgh, April 8-11.
- 1991 Raised Fields in Bolivia and their Implications for Development in the Lowlands of South America. Paper presented at the *Department of Anthropology Colloquium Series*, Cornell University, Ithaca, NY, October 18.
- 1991 New Perspectives on Pre-Columbian Complex Societies in the Llanos de Mojos of Bolivia. Paper presented at the *15th South American Indian Conference*, Bennington College, Bennington, VT, August 2-4.
- 1991 The Organization of Prehispanic Intensive Agriculture in the Lake Titicaca Basin. Paper presented in the Symposium *The Emergence of the State in the Lake Titicaca Basin* at the 47th International Congress of Americanists, July 7-11, New Orleans.
- 1991 Agricultura en camellones prehispánicos en las tierras bajas de Bolivia: posibilidades de desarrollo en el trópico húmedo. Paper presented (in abstencia) at the *Simposio-Taller Internacional Camellones Tropicales*, Villahermosa, Tabasco, Mexico, Feb. 28 - March 2.
- 1991 The Archaeology of Raised Field Agriculture in the Llanos de Mojos, Bolivia: Recent Survey and Excavation. Paper presented at the *19th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory*, Indiana University, Bloomington, Feb. 23-24.
- 1990 The Roots of Andean Agriculture, the Conquest of the Slopes and Coastal Desert Valleys: Terracing and Irrigation, and the Conquest of the Wetlands: Raised Fields. Three formal presentations on Andean Agriculture in *The Andean World: A Millennium of Achievements and Transformations*, National Endowment for the Humanities Summer Seminar 1990, Center for Latin American Studies, Cornell University, Ithaca (June 20-21).
- 1990 Recuperación de una tecnología agrícola prehispánica: los waru waru Peruanos. Paper presented in the International Congress *Past, Present, and Future of the Chinampas*, Mexico City, April 23-25, 1990.
- 1990 Prehistoric Landscape Management in the Andean Highlands: Raised Field Agriculture and its Environmental Impact. Paper presented in the symposium *Social Science Perspectives on Environmental Management: Past and Present*, Annual Meetings of the American Association for the Advancement of Science, New Orleans, February, 1990
- 1989 Applied Archaeology and Rural Development: Archaeology's Potential Contribution to the Future. Paper presented in the symposium *Future Oriented Archaeology*, Circum-Pacific Prehistory Conference, Seattle, August 2-6.
- 1989 Methodological Considerations in the Study of Ancient Andean Field Systems. Paper presented in the symposium *The Archaeology of Garden and Field*, 54th Annual Meetings of the Society for American Archaeology, Atlanta, April 5- 9.
- 1988 (with Kay L. Candler) Labor and Production in Raised Field Agriculture: Results of Experiments in the Lake Titicaca Basin of Peru. Paper presented in the symposium *Fragile Lands of Latin America: The Search for Sustainable Uses* at the XIV Congress of the Latin American Studies Association, March 17-19, New Orleans.
- 1987 Prehistoric Raised Field Agriculture and Indigenous Communities in the Lake Titicaca Basin of Peru. Paper presented at the *Conference on Traditional Wet Field Agriculture in the American and Asian Tropics*. University of California Pacific Rim Program and UNESCO Man and the Biosphere

- Programme, Riverside, CA, October 22-23.
- 1987 (with Kay L. Candler). Raised Fields in the Lake Titicaca Basin: The Indigenous Community and Agricultural Expansion. Paper presented in the symposium *Indigenous Responses to Economic Development* at the Annual Meetings of the Society for Applied Anthropology, Oaxaca, April 8- 12.
- 1986 Modelos prehistóricos para el desarrollo agrícola: los camellones de Illpa, Puno. Paper presented in the *V Congreso Internacional sobre Agricultura Andina*, March 10- 14, Puno, Peru.
- 1985 Agricultura en camellones en la cuenca del Lago Titicaca: Aspectos técnicos y su futuro. Paper presented in the *Seminario-Taller: Recuperación de Tecnologías Nativas: Andenes y Camellones*. Consejo Nacional de Ciencia y Tecnología and the Oficina de Política Científica y Tecnología, July 1-5, Lima, Peru.
- 1985 La cronología de los camellones de la cuenca del lago Titicaca, Perú. Paper presented in the symposium *Pre-Historic Agroecology in the Central Andes* at the 45th International Congress of Americanists, July 1-7, Bogota, Colombia.
- 1985 Investigaciones arqueológicas-agrícolas: ejemplo del Proyecto Agrícola de los Campos Elevados. Paper presented in the *Seminario-Taller Problemática de los Andenes en Puno*. August 28-29, Universidad del Altiplano, Puno, Peru.
- 1977 Subsistence Implications and Botanical Analysis at Chiripa. Paper presented in the symposium *Commodity Flow and Political Developments in the Andes* at the 42nd Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.

VOLUNTEERED PAPERS AT PROFESSIONAL MEETINGS

- 2020 (with Jedediah Dale) Precolumbian Management of Water and Aquatic Resources in the Wetlands of the Bolivian Amazon. 85th Annual Meeting of the Society for American Archaeology, April 22–April 26, 2020, Austin, TX Cancelled due to Covid-19
- 2018 (with Emiliya Al Yafei, Josh Nadel, Youssef Victor, Ikuromor Mabel Ogiriki, & Norman Badler) Recreating Pre-Columbian Life in the Baures Region of the Bolivian Amazon. Paper presented in the 20th Symposium on Virtual and Augmented Reality, Iguassu Falls, Brazil, October 2018.
- 2011 (with Jonathan Thayn and Trenton Ford) Locating Pre-Columbian Settlement Sites and Ring Ditches in Beni, Bolivia. Paper presented at the 2011 American Association of Geographers Annual Meeting, Seattle, April 15, 2011.
- 2002 Large Moated Settlements: A Late Precolumbian Phenomenon in the Amazon. 2nd Annual Meeting of The Society for the Anthropology of Lowland South America (SALSA), St. Johns College, Annapolis, Maryland, June 6 and 7, 2002
- 1999 La Arqueología de Baures. Paper presented at the IV Jornadas Arqueológicas sobre la Cultura Prehispánica de Mojos. July 15-16, Trinidad, Bolivia.
- 1998 Prehispanic Moated Settlements in the Bolivian Amazon. Paper presented at the 17th Annual Meeting of the Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory, Binghamton University of the State University of New York, Binghamton, New York, Oct. 17-18, 1998.
- 1997 Defining Social Organization from Prehispanic Road Networks in the Bolivian Amazon. Paper presented in the Symposium "Settlements and Social Landscapes," 96th Annual Meetings of the American Anthropological Association, Washington DC, November 20-23.
- 1997 Climate Change and Middle Horizon Agrarian Collapse: An Archaeological Perspective. Paper presented at the 16th Annual Northeast Conference on Andean Archaeology and Ethnohistory, University of Maine, Orono, October 4-5.
- 1997 The Pre-Columbian Hydraulic Landscape of Baures in the Bolivian Amazon. Paper presented at the 62nd Annual Meetings of the Society for American Archaeology, Nashville, TN, April 2-6.
- 1997 Prehispanic Fish Farming in the Bolivian Amazon. Paper presented at the 25th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Madison, February 22-23.
- 1996 Prehispanic Raised Field Agriculture in the Bolivian Amazon. Paper presented at the 61th Annual Meetings of the Society for American Archaeology, New Orleans, April 10-14.
- 1996 "Pristine Forests" of the Bolivian Amazon: Archaeological Insights Paper presentation at the 24th

- Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Beloit College, Beloit, Wisconsin, February 24-25, 1996.
- 1995 Precolumbian Earthworks of the Baures Region in Eastern Bolivia. Paper presented at the 14th Annual Northeast Conference on Andean Archaeology and Ethnohistory, Rhode Island School of Design, Providence, RI, October 21-22, 1995.
- 1995 Experimental Approaches to Ancient Agricultural Technology in Amazonia. Paper presented at the 60th annual meeting of the Society for American Archaeology, Minneapolis, Minnesota, May 3-7.
- 1995 Occupation Mounds (Lomas) in the Llanos de Moxos of Bolivia. 23rd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Chicago, Illinois, February 25-26.
- 1994 Raised Field Patterning and Social Groupings in the Llanos de Moxos of Bolivia. Paper presented at the 13th Annual Northeast Conference on Andean Archaeology and Ethnohistory, Ithaca College, Ithaca NY, October 15-16.
- 1994 The Prehispanic Human Impact on the Landscapes of the Bolivian Amazon. 22nd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Ann Arbor, Michigan, February 26-27.
- 1993 Prehispanic Water Control in the Llanos de Moxos of Bolivia. Paper presented at the 12th Annual Northeast Conference on Andean Archaeology and Ethnohistory, Pittsburgh, PA, October 23-24.
- 1993 Ancient Field Systems and Water Management in the Bolivian Amazon. Paper presented at the 21st Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, St. Louis, February 27-28.
- 1992 Archaeological Survey and Mapping of Prehispanic Earthworks in the Llanos de Mojos, Bolivia. 11th Annual Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory, Colgate University, Hamilton, New York, November 21-22.
- 1990 New Archaeological Research on Raised Agricultural Fields in the Llanos de Mojos, Bolivia. Paper presented in the Annual Northeast Conference on Andean and Amazonian Archaeology, Binghamton, New York, October 27 and 28, 1990.
- 1988 Prehispanic Settlement Associated with Raised Field Agriculture in the Lake Titicaca Basin. Paper presented at the 16th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, February 27-28, Ann Arbor.
- 1987 Raised Field Agriculture and the Indigenous Community: Applied Archaeology on the Altiplano. Paper presented at the 15th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Madison, Wisconsin, February 21-22.
- 1986 Archaeology and Development: Applied Investigation of Raised Field Agriculture in the Lake Titicaca Basin. Paper presented in the 5th Annual Northeast Conference on Andean Archaeology and Ethnohistory, November 8-9, Ithaca, New York.
- 1984 Investigation of Prehistoric Andean Agriculture: The Raised Fields of the Lake Titicaca Basin, Peru. Paper presented at the 49th annual meeting of the Society for American Archaeology, May, Portland, Oregon.
- 1984 Raised Field Agriculture in the Lake Titicaca Basin of Peru: Recent Archaeological Investigation. Paper presented at the 12th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, February 24-25, Champaign-Urbana.
- 1983 La investigación de campos elevados en la cuenca del lago Titicaca. Paper presented in the Tercera Reunión Internacional de las Jornadas de Arqueología, Antropología, y Historia Peruano-Boliviana, June 26-June 1, 1983, Puno, Peru.
- 1981 Nuevas investigaciones en el estudio de campos elevados: el uso de LANDSAT. Paper presented in the Segunda Reunión Internacional de las Jornadas de Arqueología, Antropología, y Historia Boliviano-Peruana, August 24-27, 1981, Copacabana, Bolivia.
- 1980 Recent Investigations of Raised Field Agriculture in the Llanos de Mojos of Bolivia. Paper presented at the 8th Annual Conference on Andean and Amazonian Archaeology and Ethnohistory, St. Louis, Missouri.
- 1978 (with Juan Faldín). Informe preliminar sobre un reconocimiento arqueológico en los Llanos de Mojos: San Ignacio a San Borja. Paper presented at the Segunda Reunión Internacional de las Jornadas Peruano-Bolivianas de Estudios Científicos del Altiplano Boliviano y el Sur del Perú. La

Paz, Bolivia,

CONFERENCES ORGANIZED

- 2017 (co-organizer with Anne Tiballi & Katherine Moore). *36th Annual Northeast Conference on Andean & Amazonian Archaeology and Ethnohistory*, October 14-15, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia.
- 2006 (Co-organizer with Alexei Vranich) *25th Annual Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory*, University of Pennsylvania Museum of Archaeology and Anthropology, October 21-22, Philadelphia.
- 2006 (Co-organizer with James Snead, and Andy Darling, Symposium *Landscapes of Movement: Roads, Paths, and Trails in Anthropological Perspective*, University of Pennsylvania Museum of Archaeology and Anthropology, Philadelphia, May 30 – June 1.
- 1999 *Jornadas Arqueológicas sobre la Cultura Prehispánica de Mojos*. July 15-16, Trinidad, Bolivia.
- 1997 (co-organizer with Katherine Moore). *15th Annual Northeast Conference on Andean and Amazonian Archaeology and Ethnohistory*, October 19-20, Philadelphia.
- 1995 *II Jornadas Arqueológicas sobre la Cultura Prehispánica de Mojos*. July, Trinidad, Bolivia.
- 1994 *I Jornadas Arqueológicas sobre la Cultura Prehispánica de Mojos*. July, Trinidad, Bolivia.
- 1984 (with Ann Mester). *12th Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory*, February 24-25, Champaign-Urbana

RECENT PUBLIC LECTURES (selected)

- 2019 Overturning of Space and Time: The End of the Inca Empire. Great Catastrophes Lecture Series 2020, Penn Museum, February 5, 2019. <https://www.penn.museum/collections/videos/video/1251>
- 2019 "In a very short time everything is full of worms" Padre Francisco Eder among the Baure of the Bolivian Amazon. Off the Shelf pop-up exhibit, Museum Library, University of Pennsylvania, February 22, 2018.
- 2018 Digital Humanities, Teaching with Objects, and Undergraduate Research. Presentation for the members of the School of Arts and Sciences Board of Overseers, University of Pennsylvania, October 19, 2018.
- 2015 Re-Interpreting an Old Dig: Sitio Conte and the Penn Museum. *Beneath the Surface* Exhibit Lecture Series, Penn Museum, March 8, 2015. <https://www.penn.museum/collections/videos/video/25>
- 2014 The Monumental Geoglyphs of Amazonia. Great Wonders Lecture Series, Penn Museum, December 3, 2014. <https://www.penn.museum/collections/videos/video/30>
- 2014 Treasures of Ancient Panama: Reconstructing Sitio Conte. Treasures Event, Penn Museum, November 1, 2014.
- 2014 Archaeology in the Department of Anthropology at Penn: A Brief & Narrow Perspective in 15 Minutes. Centennial Presentation, Anthropology Colloquium, Department of Anthropology, University of Pennsylvania, October 24, 2014.
- 2014 Andean Beer Past and Present, Haffenraffer Museum, Brown University, Providence, October 6, 2014.
- 2014 Cerveza! Celebrating the South American Tradition. The Young Friends of the Penn Museum, May 8, 2014.
- 2014 Thor Heyerdahl and Kon-Tiki: A Grand Experiment in Archaeology. Paper presented in the *Great Voyages* Lecture Series, Penn Museum, March 7, 2014. <https://www.penn.museum/collections/videos/video/64>
- 2012 El Dorado in the Americas: A Wild Dream or Actual Fact? Great Riddles in Archaeology Series, University of Pennsylvania Museum of Archaeology and Anthropology, January 4, 2012. <https://www.penn.museum/collections/videos/video/868>
- 2011 Discussion of the book *1491: New Revelations of the Americas before Columbus* by Charles Mann. Briar Bush Nature Center, Abington, PA, November 28, 2011.

- 2011 (with Theodore Shurr) Engaging Students with Interests Outside Your (Sub)Field. Teaching Discussion Series, Department of Anthropology, University of Pennsylvania, March 2, 2011.
- 2011 Mapping Amazonian Cultural Landscapes through Cofán Oral History. Presentation for the Penn Museum Scholars Lectures, University of Pennsylvania, January 26, 2011.
- 2010 Pre-Columbian Monumental Earthworks of the Amazon. Presentation for the Penn Museum Scholars Lectures, University of Pennsylvania, March 24, 2010.
- 2010 Chili and Chocolate: Mexican Cuisine. Invited presentation for an Undergraduate Preceptorial, the Preceptorial Committee, University of Pennsylvania, Philadelphia, March 4, 2010.
- 2010 Machu Picchu and the Incas. Invited presentation for the Congreso Latino of Philadelphia, Penn Museum, Philadelphia, March 15, 2010.
- 2010 Machu Picchu and the Incas. Invited presentation for the Great Discoveries Lecture Series, Penn Museum, Philadelphia, February 3, 2010.
- 2009 Pre-Columbian Monumental Earthworks of the Amazon. Invited Lecture presented at the Archaeological Institute of America, Long Island Society, Hofstra University, September 13, 2009.
- 2009 Andean Gold. University of Pennsylvania Museum of Archaeology and Anthropology, Women's Committee Cultivation Event, April 16, 2009.
- 2009 Pre-Columbian Monumental Earthworks of the Amazon. Invited Lecture Pre-Columbian Society of the University of Pennsylvania, Philadelphia, February 14.
- 2008 Las zanjas monumentales de Baures. Invited public lecture, Municipality of Baures, Bolivia. August 28.
- 2007 Domesticated Landscapes of the Bolivian Amazon. Invited lecture for the Women's Committee of the University of Pennsylvania Museum of Archaeology and Anthropology.
- 2007 Los paisajes antropogénicos de la Amazonia Boliviana. Carrera de Arqueología y Antropología, San Andrés National University of Bolivia, National Archaeology Museum of Bolivia, La Paz, Bolivia. August 30, 2007.
- 2007 La civilización de Baures: Invited public lecture, Prefectura of Trinidad, Bolivia. August 29, 2007.
- 2007 La civilización de Baures: Parte 2. Invited public lecture, Municipality of Baures, Bolivia. August 24, 2007.
- 2007 La civilización de Baures: Parte 1. Invited public lecture, Municipality of Baures, Bolivia. July 17, 2007.
- 2007 Vanishing Worlds: Native Amazonian People in Historical Context. Opening Lecture for the Exhibit "*Vanishing Worlds: Art and Ritual of Amazonia.*" University of Pennsylvania Museum of Archaeology and Anthropology, March 3, 2007
- 2002 Working in an Archaeology-Anthropology Museum. Brittingham Visiting Scholar. Invited Lecture for the *Senior Seminar in Anthropology*, University of Wisconsin, Madison, Wisconsin, October 29.
- 2002 The Pre-Columbian Domestication of the Amazon. *Invited Lecture for the Pre-Columbian Society of Philadelphia*, University of Pennsylvania Museum of Archaeology and Anthropology, January 12.
- 2000 The Long-Term Historical Ecology of the Bolivian Amazon. Women's Committee Lecture, University of Pennsylvania Museum of Archaeology and Anthropology, October 20.
- 2000 The Cultural Landscapes of the Bolivian Amazon. Docent's Program, University of Pennsylvania Museum of Archaeology and Anthropology, April.
- 1999 The Anthropogenic Landscapes of the Bolivian Amazon. Millennial Cruise, FREMEN Tours, Trinidad, Bolivia, December 31.
- 1998 Ancient Roadways of the Amazon. Reports from the Field Lecture, University of Pennsylvania Museum, Philadelphia, PA, December 2.
- 1998 Ancient Gold, Plunder, International Smuggling, and the Art World. Ancient Studies/Museum Residential Program, Harnwell College House, University of Pennsylvania, November 11.
- 1996 Pachacamac: Lecture and Collections Tour. Loren Eiseley Society Benefactor's Reception and Dinner, University of Pennsylvania Museum of Archaeology and Anthropology, Museum December 4.
- 1996 An Archaeology of Cultural Landscapes: Recent Investigations of the Prehispanic Earthworks of the Bolivian Amazon. The Precolumbian Society, Washington DC, November 1.

- 1996 Ancient Roadways of Amazonia. The Precolumbian Society, Philadelphia, PA, May 12.
- 1995 Ancient Peoples of the Bolivian Amazon. Department of Anthropology and Sociology, Franklin and Marshall College, Lancaster, PA, October 24.
- 1995 The Ancient Cultural Landscapes of Amazonia. Department of Anthropology Colloquium, University of Pennsylvania, April 21, Philadelphia, Pennsylvania.
- 1995 Experiencias en la rehabilitación de waru waru en Puno: La importancia de la arqueología. Paper presented for the Colloquium Series of the Proyecto Interinstitucional de Waru Waru, Puno, Peru, September 3.
- 1995 Farming Lessons from Prehistory. World Bank, May 19, Washington D.C.
- 1995 New Research into the Ancient Peoples of Amazonia. Annual Curator's Party, January 25, University of Pennsylvania Museum of Archaeology and Anthropology.
- 1995 New Archaeological Research in the Amazon. Mary Baldwin College, Staunton, Virginia, April 3.
- 1994 Raised Fields for Sustainable Agriculture in the Bolivian Amazon (exhibition and publication). 1994 Festival of American Folklife: Culture and Development in Latin America and the Caribbean. National Park Service, Washington DC, p. 33.
- 1994 The Archaeology of Ancient Agriculture in the Amazon. Anthropology Club, Department of Anthropology, Iowa State University, Ames, February 4.
- 1993 Recent Archaeological Research on the Ancient Peoples of the Amazon. The Pre-Columbian Society, University Museum of Archaeology and Anthropology, University of Pennsylvania, PA, October 9.
- 1993 Ancient Peoples of the Amazon. South American Day, University Museum of Archaeology and Anthropology, Philadelphia, PA, October 9.
- 1993 New Light on Amazonian Archaeology from the Tropical Lowlands of Bolivia. American Institute of Archaeology, Long Island, NY, April 18.
- 1992 Applied Archaeology in the Andean Highlands. Brown Bag Lunch Series, Yale University, New Haven, Connecticut, November 13.
- 1992 Ancient Water Control in the Tropical Lowlands of South America. Reports from the Field, University Museum of Archaeology and Anthropology, Philadelphia, PA, November 11.
- 1992 El Proyecto Agro-Arqueológico del Beni. Casa de Cultura and Municipalidad de San Ignacio, San Ignacio, Bolivia, August 18.
- 1992 Agro-arqueología en la cuenca del lago Titicaca y en los Llanos de Mojos. Instituto Wiñay Marka, La Paz, Bolivia, June 24.
- 1991 Archaeology in Action: Ancient South American Agricultural Technology. Seminar in Archaeology, Gettysburg College, April 15.
- 1991 New Perspectives on the Peopling of the Americas. Museum Volunteer Guides, The University Museum of Archaeology and Anthropology, Feb. 7.
- 1990 El Proyecto Agro-arqueológico del Beni. Instituto Nacional de Arqueología Seminar, La Paz, Bolivia, June 29, 1990.
- 1990 Recent Archaeological Findings in Eastern Bolivia. Latin American Cultures Seminar, University of Pennsylvania, September 19.
- 1990 New Archaeological Exploration in the Llanos de Mojos, Lowland Bolivia. Reports from the Field Lecture, University Museum, University of Pennsylvania, Sept. 14.
- 1990 Ancient Andean Technology for the Future: A Case for An Applied Archeology. Women's Committee, The University Museum, Jan 19.
- 1990 Ancient Peruvian Agriculture: Implications for the Future. Appropriate Technology Seminar, Landscape Architecture, University of Pennsylvania, Jan 26.

ACADEMIC TOURS STUDY LEADER

- 2018 *Peru Tour: Inka and Their Ancestors Peru*, Far Horizons Tours, June 4-22.
- 2017 *Peru Tour: Inka and Their Ancestors Peru*, Far Horizons Tours, June 9-24.
- 2004 *Archaeology of the Incas*. Far Horizons Tours, August 12-25.
- 2002 *The Archaeology of Bolivia*. Far Horizons Tours, July 13-29.

- 2001 *From the Tropical Forest to the Andes: An Archaeological Tour of Peru and Bolivia*. Women's Committee Tours, University of Pennsylvania Museum and Far Horizons Tours, March.9-23
- 1997 *Civilizations of the Andes*. Women's Committee Tours, University of Pennsylvania Museum, October.
- 1990 *Empires of Greatness: Splendors of Pre-Columbian Mexico*. Women's Committee Tours, University of Pennsylvania Museum, March 9-23.

CONSULTANT AND INTERVIEWEE FOR DOCUMENTARY FILMS

- 2009 *COLLIDE: Of Man, Seed and Disease*. Documentary film directed by Tesla Mellage, Gruppe 5 Filmproduktion GmbH, Berlin, Germany.
- 2006 *Amazon Culture Special II*. Documentary Film directed by Yusuke Amano for the TBS Amazon Culture Special II for Japan.
- 2005 *FBI Stings: Recovering Stolen History*. Documentary Film Carter Figueroa for the Save Our History Series, The History Channel. <https://vimeo.com/174934701>
- 2002 *The Secret of Eldorado*. Documentary Film directed by David Sington of DOX Productions for the BBC-2. <https://www.youtube.com/watch?v=0Os-ujelkgw>

REVIEWS OF MY BOOKS

Coimbra Jr., Carlos E. A. 2008 William Balée and Clark Erickson (Editors): Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Human Ecology* 36(2):307-308.

Grossmann, Emilie Beth 2009 Historical ecology in the Neotropics: Review of W. Balée, C. L. Erickson (eds): Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Landscape Ecology* 24(5):711-713.

Holmborg, Alf 2008 Book Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Tipiti* 6(1-2):130-132.

Isendahl, Christian 2007 Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Journal of Latin American and Caribbean Anthropology* 12(2):516-518.

Mann, Charles 2008 Humanized Landscapes; Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Bioscience* 57(9):787-788.

Moran, Emilio F. 2007 Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *The Quarterly Review of Biology* 82:272.

Zent, Stanford 2007 Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *Journal of Anthropological Research* 63:409-410.

Oyuela-Caycedo, Augusto 2007 Review of Time and Complexity in Historical Ecology: Studies in the Neotropical Lowlands. *American Anthropologist* 109(2):366-367.

PROFILES OF MY RESEARCH APPEARING IN THE LOCAL, NATIONAL, AND INTERNATIONAL PRESS, PUBLIC OUTREACH (selected)

- 2019 An Inca ceremonial center, recreated in a digital landscape. *Penn Today* [Erica Brockmeier] <https://penntoday.upenn.edu/news/inca-ceremonial-center-recreated-digital-landscape>
- 2018 A virtual world for an ancient society: Anthropologist Clark Erickson has made a career of studying humans' effect on their physical landscapes—past and present. *OMNIA Magazine*: Spring/Summer, pp. 18-25, 2018 [Susan Ahlborn]

- 2014 Peopling the Past: A Behind-the-Scenes look at the making of *Beneath the Surface: Life, Death, and Gold in Ancient Panama* [Exhibit]. *Expedition* 56(3):21-25 [Jane Hickman]
- 2013 Footprints in the Forest. *Nature* 502:160-162. [Jeff Tollefson]
- 2009 Domesticated Landscapes. *Penn Arts & Science Magazine* Spring-Summer, p. 3 [Peter Nichols]
- 2008 Ancient Earthmovers of the Amazon. *Science* 321:1148-1152 [Charles Mann]
- 2008 Amazonian Harvest: Can prehistoric farming methods lead us to a sustainable future? *Archaeology* 61(4):20-25 [Mara Hvistendahl]
- 2008 Meet the Curators: Clark L. Erickson. *Expedition* 50(2):4-5 [Deborah Olszewski]
- 2007 Virginity Lost. *Conservation Magazine* 8(1): January-March 2007. [Fred Pearce]
- 2007 Vanishing Worlds: Art and Ritual of Amazonia. *Philadelphia Inquirer* 3/5/2007.
- 2006 *Amazon Culture Special II*. Documentary Film directed by Yusuke Amano for the TBS Amazon Culture Special II for Japan.
- 2005 *1491: New Revelations of the Americas before Columbus*. Knopf (August 9, 2005) [Charles Mann; Erickson research cited in several chapters]
- 2005 *FBI Stings: Recovering Stolen History*. Save Our History Series, The History Channel.
- 2004 Bird's-Eye View of the Amazon: Airborne Archaeologist Challenges Myth of a Pristine Wilderness. *Penn Arts and Sciences News*. Spring, pp. 18-21 [Ted Mann].
- 2002 *The Secret of El Dorado*. Documentary Film produced by David Sington of DOX Productions for the BBC-2.
- 2002 1491: Before it became the New World, the Western Hemisphere was vastly more populous and sophisticated than has been thought. *Atlantic Monthly* March, pp. 41-53 [Charles Mann].
- 2000 Curious Ground Patterns in the Amazon may be Fish Traps. *Philadelphia Inquirer* (Monday, November 13, 2000).
- 2000 In Amazon Basin, An Advanced Society before Columbus. *New York Times* (Tuesday, Science Times Section, November 14, 2000).
- 2000 Fish weirs in the Bolivian Amazon coverage by Science, Science News, National Geographic, Discover Channel Canada, BBC World Service, WHYY Radio News, PBS Radio, and others.
- 2000 Earthmovers of the Amazon. *Science* 287(5454):786-789 (February 4 issue). [Mann, Charles]
- 1995 Farming Lessons from the Prehistory. In *Chronicle of Higher Education* February 17, 1995 p. A10. [Ellen Coughlin]
- 1995 Chapter 13, Footplows and Raised Fields. In *The Time Detectives*. [Brian Fagan].
- 1993 Fountains of our Youth. *Earthwatch* (May/June) 12(4):28-33 [Fred Pearce].
- 1993 Raised Fields: The Past and Future of Bolivia's Lowlands? [Isidor Ruderfer]. *Bolivian Times* 1(7):11-12, Sept. 17, La Paz, Bolivia.
- 1992 Raised field rehabilitation and experimental project cited in *In the Beginning: An Introduction to Archaeology* by Brian Fagan, 7th edition, p. 11.
- 1992 Two radio interviews for "Pulse of the Planet," Public Broadcasting Service (PBS).
- 1991 Applied Archaeology: Farming in Peru. *Archaeology*, [an introductory text by Colin Renfrew and Paul Bahn], pp. 468-469, Thames and Hudson, London.
- 1991 Raised field research highlighted in sections of *Feats and Wisdom of the Ancients and Incas: Lords of Gold and Glory*, Time-Life Books, Inc.
- 1991 Ancient Lessons from Arid Lands. *New Scientist* 132(1798):42-48 [Fred Pearce].
- 1990 New View of Early Amazonia. *Science* 248:1488-1490 [A. Gibbons].
- 1990 Agricultural Renaissance in the High Andes. *Nature* 345:385 (31 May 1990) [Warrick Bray].
- 1990 Ancient Farmers had the Answers. *Manchester Guardian*. May.
- 1990 Anthropology: Raising Farm Fields and Yields. *The Washington Post*. May 14, 1990, A-2 [S. Okie].
- 1989 Learning from the Past. *Organic Gardening* (March) 36(3):14.
- 1988 The Lost Art of the Waru Waru. *New Scientist* 118(1612):50-51, May 12, 1988 [O. Sattaur].
- 1988 Scientists Revive a Lost Secret of Farming. *The New York Times* November 22, 1988, pp. C-1 and C-15 [W. Stevens] (republished in many other newspapers in the United States and abroad).
- 1989 In Peru, Unearthing Ancient Farm Methods. *The Philadelphia Inquirer*. March 31, 1989, [E. Collimore].
- 1988 Digging into the Future. *Science Illustrated* (Physician Edition), August/September, pp. 29-31 [P.

- Bahn].
1989 Ancient Farming Method Reintroduced in Peruvian Andes. *Garden* 13(4):26-27.

AWARDS AND HONORS RECEIVED

- 2017 Reconocimiento por el apoyo a la cultura y arte del Departamento del Beni, Bolivia [Recognition for the support to culture and art of the Department of Beni, Bolivia] Presented by the Consejo Departamental de Culturas del Beni, Trinidad, Bolivia.
2007 Reconocimiento por Valioso Aporte al Estudio y Valoración de la Cultura Hidráulica y Agrícola Desarrollada por el milenario Gran Moxos [Recognition for Valuable Contribution to the Study and Valuation of Hydraulic Agricultural Culture developed by the Ancient Gran Moxos]. Presented by Ernesto Suarez Sattori, Prefect of the Department of the Beni, and the Museo Etnoarqueológico Kenneth Lee, Trinidad, Bolivia, August 29, 2007.
2004 2004 Dean's Award for Mentorship of Undergraduate Research. School of Arts and Sciences, University of Pennsylvania.
1999 Fellow, Penn Humanities Council Seminar Human/Nature, Mellon Foundation and the National Endowment for the Humanities, University of Pennsylvania.
1987 Sigma Xi, University of Illinois, Urbana-Champaign.
1977 University Fellowship in Anthropology, University of Illinois Graduate College.
1978 Summer Research Grant. Department of Anthropology, University of Illinois.
1976 Phi Beta Kappa, Washington University, St. Louis, Missouri.
1976 *Magna Cum Laude*, Washington University, St. Louis, Missouri.

SERVICE IN PROFESSIONAL ORGANIZATIONS

Executive Committee of the Institute of Andean Research (2003-present)
Fellow of the Field Museum, Chicago, Division of Environment, Culture, and Conservation (2007-present)
Board of Directors of the Society for the Anthropology of Lowland South America (2002-2005).
Editorial Advisory Committee for the Journal *TIPITÍ: The Journal of the Society for the Anthropology of Lowland South America* (2002-2005).
Senior Fellow in Pre-Columbian Studies at Dumbarton Oaks, Washington DC, Trustees of Harvard University (2002-2008).

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

The Institute of Andean Research (2001 – present)
Institute of Andean Studies (2004-2006)
Society for American Archaeology (1975 – present)
American Anthropological Association (1976 – 2000)
The Society for the Anthropology of Lowland South America (SALSA) (2001 – present)
Association of American Geographers (AAG) (2002 – 2003, 2011-2012, 2013-present)

CONSULTANTSHIPS

COLLIDE: Of Man, Seed and Disease. Documentary film directed by Tesla Mellage, Gruppe 5 Filmproduktion GmbH, Berlin, Germany (2009).
Amazon Culture Special II. Documentary Film directed by Yusuke Amano for the TBS Amazon Culture Special II for Japan (August 2006).
DOX Productions Ltd: Documentary Film: *The Secret of El Dorado*. British Broadcasting Corporation (BBC-2) (July-August 2002)
Public Broadcasting Service (PBS) Video Production *A World of Gardens*. Program planning John Dixon Hunt, Dale Riehl, and Russell Connor; NEH, Garden Conservancy (September 2001)
Franklin Institute. *Non-Western Technology Exhibit* (April 1999).

National Museum of Natural History, Smithsonian Institute *Seeds of Change Exhibit* Quincentenary Commemoration Exhibition, Washington DC (1992).
Time-Life Books, Inc.
Video Library Company/Schlessinger Media *Ancient Inca*. Ancient Civilizations for Children (program in series of 9 programs) (1998)

ADVISORY BOARD MEMBER

Landscapes (scholarly journal published by Windgather Press) 2011-2015.

JOURNAL REFEREE

Nature
Journal of Archaeological Science
Journal of Anthropological Archaeology
Landscapes
Journal of Latin American Geographers
PNAS
Quaternary Research
Expedition (The University of Pennsylvania Museum)
Andean Past (Cornell University)
Latin American Antiquity
American Anthropologist
Arqueología Andina (La Paz)
Current Anthropology
Journal of Archaeological Science
Geoderma
Amazonica

ACADEMIC PRESS REFEREE

Left Coast Press
Oxford University Press
Academic Press
University of Texas Press
Getty Foundation
University of Utah Press
University of Chicago Press
Penn Museum Press (*Expedition Magazine*)

PROPOSAL REFEREE

National Aeronautics and Space Administration (NASA)
The Leverhulme Trust
National Science Foundation
National Endowment for the Humanities
Wenner-Gren Foundation
American Philosophical Society
Getty Foundation
National Geographic Society
Earthwatch
Heinz Foundation

UNIVERSITY SERVICE AND COMMITTEES

Undergraduate Committee (Department of Anthropology) Fall 2020-Spring 2021
 Graduate Committee (Department of Anthropology), Fall 2018-Spring 2019, Fall 2019-Fall 2020
 Archaeology Teaching Staff Coordinator (Department of Anthropology), 2019-present
 Admissions Committee (Department of Anthropology), Fall 2018-Spring 2019
 PIK Committee (Department of Anthropology) Fall 2019.
 Target of Opportunity Committee (Department of Anthropology) Spring 2018
 Individualized Major Committee 2017-present
 Member, Search Committee for Biological Anthropologist, 2017 (successful search and hire)
 Chair of Search Committee for Prehistoric North American Archaeologist, 2013 (successful search and hire)
 ViDi Center Faculty Steering Committee: 2014-present.
 SAS Personnel Committee: 2012-present.
 Faculty Advisory Board, Center for Archaeological Analysis of Materials, Penn Museum 2013-present
 Faculty Working Group in Native American Studies 2013-present
 Ad-Hoc Committee for Archaeological Science (SAS and Penn Museum) 2012-2013. (Created and oversight of the Center for Archaeological Analysis of Materials)
 Ad-Hoc Committee Digital Visual Humanities Forum (Cross-School initiative) 2013-present
 Vice President, President, Member of Phi Beta Kappa Nomination Committee, 2012-present
 Digital Museum Task Force (Penn Museum) 2013-2014
 Co-Chair of the Repatriation Committee, Penn Museum, University of Pennsylvania, 2012-present.
 Member of the Graduate Council of the Faculties, University of Pennsylvania. 2011-present.
 Graduate Chair, Department of Anthropology. 2013-present.
 Executive Committee, Department of Anthropology 2013-present.
 Graduate Student Summer Field Funds Committee (2013)
 Acting Undergraduate Chair, Department of Anthropology. 2012-2013.
 Acting Chair, Undergraduate Curriculum Committee, Department of Anthropology, University of Pennsylvania, 2012-2013.
 Member Fulbright Committee, University of Pennsylvania 2012.
 Member of the Advisory Group for the Center for Ancient Studies, University of Pennsylvania, 2012-present.
 Co-Editor for Penn Anthropology Annual (a new newsletter about the Department of Anthropology for alumni, public relations, and fundraising) 2012
 Acquisitions Committee, Penn Museum. 2012-present.
 Member of the SAS Museum Advisory Committee 2011- 2013
 Affiliated Faculty: Center for Human Modeling and Simulation, Department of Computer & Information Science, University of Pennsylvania, 2010-present
 Member: Chinese Archaeologist Search Committee, Department of Anthropology and Penn Museum, Spring 2010.
 Member of Hearing Boards for the Student Disciplinary System and the Code of Academic Integrity: Provosts Office 2009-2011.
 Repatriation Committee (NAGPRA-Native American Graves Protection and Repatriation Act), The University of Pennsylvania Museum Archaeology and Anthropology 1998-present.
 Freshman Advisor: School of Arts and Sciences, University of Pennsylvania, 1995-2002; 2009–2011.
 Affiliated Faculty: Center for Native American Studies, University of Pennsylvania 2007-2012
 Senior Thesis Award Committee: Department of Anthropology 2000-present
 Undergraduate Chair, Department of Anthropology, University of Pennsylvania, 2003-2008
 Curriculum Committee, School of Arts and Sciences 1997-1998, 2006-present
 Program Committee of Historic Preservation within Penn Design 2002-present
 Undergraduate Curriculum Committee, Department of Anthropology, 2005-present
 Graduate Group in Art and Archaeology of the Mediterranean World, 2005-present
 Graduate Group in Anthropology, Department of Anthropology 1988-present
 Learning Technology Committee, School of Arts and Sciences, 2004-2008
 Executive Committee, Department of Anthropology, 2003-2008
 Department of Anthropology Website Committee 2007-2008
 Editorial Advisory Board for *Expedition*, University of Pennsylvania Museum Archaeology and Anthropology.

1992-present

Publications Internal Review Committee, The University of Pennsylvania Museum Archaeology and Anthropology, 2000-2001

“Native Voices Past and Present” Committee, Research Experience for Undergraduates Site, National Science Foundation, The University of Pennsylvania Museum Archaeology and Anthropology, 2004-present.

Move Committee, The University of Pennsylvania Museum Archaeology and Anthropology, 2000-2003

Physical Anthropology Search Committee, Department of Anthropology, 1999-2000

Web Committee (Chair) Department of Anthropology, The University of Pennsylvania, 2000-2004

Global Strategies Committee (Chair), The University of Pennsylvania Museum Archaeology and Anthropology, 2000-2003

Undergraduate Advisory Committee (Chair), Department of Anthropology 1996-1997.

Global Outreach Committee (Chair), The University of Pennsylvania Museum Archaeology and Anthropology, 1999-2000

Archives Committee (Chair). The University of Pennsylvania Museum Archaeology and Anthropology: 1995-1996

Committee to Define a Latin American Cultures Major, School of Arts and Sciences. 1995-1996

Archaeology Search Committee, Department of Anthropology, 1994-1995

Anthropology Search Committee, Department of Anthropology. 1996-1997

Collections Committee, The University of Pennsylvania Museum Archaeology and Anthropology. 1988-1990.

Special Events/Membership/Education Committee, The University of Pennsylvania Museum Archaeology and Anthropology. 1995-1996

Curator Liaison of Museum Services, Board of Overseers, The University of Pennsylvania Museum Archaeology and Anthropology (various years)

Archaeology Search Committee, Department of Anthropology. 1989-90

Publications and Editorial Review Committee, The University of Pennsylvania Museum Archaeology and Anthropology.

Physical Anthropology Search Committee, Department of Anthropology, 2000

Museum Security Committee, Department of Anthropology, 2000-2001

Internal Committee to Review Museum Publications, The University of Pennsylvania Museum Archaeology and Anthropology, 2000-2001

NATIONAL AND INTERNATIONAL SERVICE AND COMMITTEES

Committee of Visitors, Review of the Behavioral and Cognitive Sciences, National Science Foundation, Washington DC, March 23-24, 2006

Consultant-Kenneth Lee Foundation (a non-government organization promoting Sustainable Development, Ecotourism, and Public Outreach), Trinidad, Bolivia 2000-present

COURSES TAUGHT

Indiana University-Purdue University (1987-88)

Introduction to Prehistoric Archaeology (undergraduate)

Mysteries of Ancient Civilization (undergraduate)

Archaeological Method and Theory Seminar (upper level undergraduate)

South American Prehistory (upper level undergraduate)

University of Pennsylvania (1988-present)

ANTH 001: *Introduction to Archaeology* (General Honors), Spring 1997

ANTH 001: *Introduction to Archaeology* (Lower Division undergraduate), Spring 1994, Fall 1999, Spring 2000, Fall 2000.

ANTH 125: *Anthropology of the Americas* (team taught with representatives from all subfields)

- of the Department of Anthropology, Spring 2011.
- ANTH 133: Native Peoples and the Environment (Freshmen Seminar), Fall 2000, Spring 2002, Spring 2004, Spring 2006, Fall 2007, Fall 2009, Fall 2011, Fall 2013.
- ANTH 224: *Archaeology of the Neotropics* (undergraduate), Fall 1998.
- ANTH 254: *Archaeology of the Incas* (undergraduate, History and Tradition), Spring 2003, Fall 2004, Spring 2007, Spring 2009, Spring 2011, Spring 2013, Spring 2015, Fall 2017, Fall 2019.
- ANTH 258: *Visualizing the Past/Peopling the Past* (undergraduate studio-seminar, cross listed with CSE 106, Engineering and Computer Science) (Benjamin Franklin Scholars Seminar) Fall 2005, Fall 2009, Fall 2011 (Ben Franklin Scholars Seminar), Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020.
- ANTH 331: *Historical Ecology* (undergraduate) Spring 2018, Spring 2020.
- ANTH 433: *Andean Archaeology* (Upper Division undergraduate and graduate), Spring 1998, Fall 1999, Fall 2001, Fall 2003, Fall 2005, Spring 2008, Spring 2010, Spring 2012, Spring 2014, Fall 2018,
- ANTH 533: *Andean Archaeology* (Upper Division undergraduate and graduate), Fall 1989, Fall 1990, Spring 1993, Fall 1994, Fall 1996.
- ANTH 539: *The Archaeology of Complex Societies* (Graduate Core Program), Spring 1989, Fall 1991.
- ANTH 504: *Prehistory of North America* (Upper Division undergraduate and graduate), Spring 1995.
- ANTH 508: *Conservation and Management of Archaeological Sites and Landscapes* (graduate studio-seminar, cross listed with Historic Preservation 743, Penn Design), Spring 2006, Spring 2011 (unofficial), Summer 2012 (unofficial), Summer 2013 (unofficial), Fall 2013, Spring 2017, Spring 2018, Spring 2020.
- ANTH 600: *Fundamentals of Archaeology* (Graduate Core Program), Fall 1993, Fall 1989, Spring 1991, Fall 1993, Fall 1995, Spring 1998, Spring 1999.
- ANTH 577: *The Archaeology of Space and Place* (Upper Division Undergraduate and Graduate Seminar), Spring 1990
- ANTH 577: *Prehistoric World Systems in the Americas* (Upper Division Undergraduate and Graduate seminar), Fall 1991.
- ANTH 557: *Contemporary Archaeological Theory* (Graduate Seminar), Spring, 1992.
- ANTH 557: *The Archaeology of Landscapes* (Graduate Seminar), Spring 1996, Spring 1999, Spring 2001, Fall 2002, Spring 2005, Fall 2008, Fall 2010, Fall 2012, Fall 2014, Fall 2017, Spring 2019, Spring 2021.
- ANTH 577: *Sacred Geography of the Incas* (Graduate Studio-Seminar, cross listed with Landscape Architecture and Regional Planning 702, Penn Design), Spring 2003
- ANTH 620: *Spatial Analysis in Archaeology* (Graduate Readings Course), Fall 1988.
- ANTH 620: *Directed Reading and Research: Andean Ethnohistories* (with Tom Hardy) Spring 2011
- ANTH 620: *Directed Reading and Research: The Middle Horizon in Peru* (with Tom Hardy) Spring 2012.
- ANTH 620: *Directed Reading and Research: Readings in Theory and Method in Archaeology* (with Tom Hardy) Spring 2012.

INFORMAL COURSES TAUGHT

- Summer 2019 (with Norm Badler) *3D Digital Humanities*, DREaM Lab, Digital Humanities UPenn.
- Summer 2012 *Conservation and Management of Archaeological Sites and Landscapes*. Penn Museum, Historic Preservation Program, UPenn, Western Heritage Foundation, Mesa Verde National Park, Colorado, 3 weeks (training of 4 Visiting Fellows from Cambodia, Colombia, Peru, and US).
- Spring 2010 *Chili and Chocolate: Mexican Cuisine*. Invited presentation for an Undergraduate

Preceptorial, the Preceptorial Committee, University of Pennsylvania, Philadelphia,
March 4, 2010 (30 students).
Fall 2002 (with Mel Hammarberg) *Senior Thesis Seminar* (15 students)

DIRECTION OF SENIOR HONORS THESES

Campbell, Dennis

1988 *The Lanzón of Chavín as Oracle*. [Thesis Advisor: Anthropology Major]

Allysa Weiss

1990 *Chinampa Agriculture in Precolumbian America*. [Thesis Advisor: Environmental Studies]

Marianne Sullivan

1990 *Callawaya Traveling Medicine-Men and the Tiwanaku State*. [Thesis Advisor: Anthropology Major;
Recipient of the Anthropology Award to Undergraduates for best Senior Honors Thesis in 1990]

Spector, Zebulon

1999 *Signatures in the Landscape: Remote Sensing and Historical Ecology in the Upper Xingú, Brazil*.
[Thesis Advisor: Anthropology Major]

Lopez, Adriana

2000 *A Proposal to Manage the Kenneth Lee Reserve in the Bolivian Amazon as a Cultural Landscape
under the model for Sustainable Development*. [Thesis Advisor: Anthropology Major]

Mitchell, Mary

2000 *A Proposal for a Local Museum and Ecological Tourism in the Sirionó Indigenous Territory,
Department of the Beni, Bolivia*. [Thesis Advisor; Anthropology Major]

Liebowitz, Dina

2000 *Human Impacts on the Landscape: A GIS Analysis of Savannas and *Mauritia flexuosa* in Bolivia*.
[Thesis Advisor: Environmental Science Major]

Knutson, Christopher

2000 *Transportation of Monumental Stones in the Lake Titicaca Basin using Reed Boats*. [Thesis
Advisor: Anthropology Major]

Higle, Heather

2001 *Environmental and Cultural Impact of Petroleum Development in the Amazon: The U'wa of
Colombia*. [Thesis Advisor, Environmental Science Major]

Christman, Zachary

2001 *Virtual Vectors: A GIS-based investigation of the Nazca Lines*. [Thesis Advisor, Anthropology
Major]

Tabas, Elizabeth

2001 *The Monument Speaks: Piedras Negras Stela 14 and the Secondary Replications of the Maya
Hieroglyphic Text*. [Thesis Advisor, Anthropology Major]

Bare, Christine

2002 *In Situ Conservation and the Preservation of Agricultural Diversity: A Case Study of Women
Farmers in the Peruvian Andes*. [Thesis Advisor, Anthropology Major]

Tarquino, Ellen

2002 *Beyond the Marshall Decision: Alternative Management and Sustainable Fisheries*. [Thesis
Advisor, Anthropology and Environmental Studies Major]

Brett, Patrick

2002 *Adobe Manufacture in the Andean Past*. [Thesis Advisor, Anthropology and Wharton Major]

Davis, Kate

2003 *Foundations of Success: Tiwanaku Era Ritual Offerings at the Pumapunku Temple, Tiwanaku,
Bolivia*. [Thesis Advisor, Anthropology and Spanish Major].

Luque, Sashka

2004 *Evidence of the Condition of Hunchback in Pre-Columbian Burials in the Andes*. [Thesis Advisor,
Anthropology Major].

Benitez, Leonardo

- 2005 *The Calendar at Tiwanaku, Bolivia*. [Thesis Advisor, Anthropology Major].
Kohut, Lauren
- 2006 *Weaving Culture: Burial Textiles from Pachacamac, Peru*. [Thesis Reader, student in the Department of Anthropology, Bryn Mawr College]
Murray, Muriel
- 2006 *Preserving Heritage: Indigenous Rights and Traditional Knowledge*. [Thesis Advisor, Anthropology Major].
Hawkes, Katie
- 2007 *Impact of Local People on Reserve Formation, Ecotourism, and Conservation*. [Thesis Advisor, Anthropology Major].
Gilbert, William
- 2013 *The Site of Quirigua through Time: The Use of Digital Reconstructions in the Context of a Comparative Photographic Project* [Thesis Advisor, Anthropology Major].
Fenton, Monica
- 2015 *Ornamentation, Gender, and Status: Burial 11, Sitio Conte, Panama* [Thesis Advisor, Anthropology Major]. [Thesis Advisor, Anthropology Major]. to be published as a book chapter in 2018.
Dale, Jedidiah
- 2018 *A Remote Sensing Analysis of the Built Landscape of the Llanos De Moxos* [Research Mentor, Environment and Earth Science Major].
Dougherty, Hailey
- 2018 *Towards Climate Change Resilient Mountain Food Systems: Lessons from an Indigenous Andean Farming Community* [Research Mentor, Environment and Earth Science Major].

DIRECTION OF MASTERS THESIS

- Alvarez, Patricia [Tutor]
- 2009 *Regresando a Caquiahuaca: La reconstrucción del territorio tacana en el norte de La Paz, Bolivia*. Programa integral de Rehabilitación Áreas Históricas (PRAHC-UMSS), Universidad Mayor de San Simón, Cochabamba Bolivia.
- Cheong, Caroline [Chair/Supervisor]
- 2008 *Sustainable Tourism and Indigenous Communities: The Case of Amantaní and Taquile Islands*. Masters Thesis [Graduate Program in Historical Preservation, Penn Design].
- Brett, Patrick [Chair]
- 2007 *A GIS and Network Model of the Pre-Columbian Hydraulic Complex of Baures*. Masters Paper [Submatriculation: Anthropology and Wharton]
- Vogel, Melissa [Chair]
- 2000 *Sacred Women In Ancient Peru: New Evidence For Elite Females In The 7th And 8th Centuries AD*.
- Angelo, Dante [Tutor]
- 2000 *Tráfico de Bienes, minería y aprovechamiento de recursos en la región de los valles del sur boliviano*. Thesis submitted to the Carrera en Arqueología e Antropología, Universidad Mayor San Andes, La Paz, Bolivia.
- Santistevan-Alvarez, Lucia [Chair]
- 1998 *Whistling Pots of the Andes*. [Masters of Liberal Arts Program].

MASTERS COMMITTEE MEMBERSHIP

Completed:

- Matthew W. Magnani
- 2014 *Exploring Alternatives to Lithic Illustration: Laser Scanning and Photogrammetry*.
Kuhn, Carolyn
- 1996 *Thermal Alteration of Pennsylvania Jasper: Experiments and Archaeological Implications*.
Conway, Stephen

- 1995 *The Empty Pueblo: A Model of the Abandonment of Pot Creek Pueblo.*
Armstrong, Lisa
- 1994 *Interacting Technologies: An Analysis of Ingot Molds and Associated Ceramics from Nan Pa Wai, a Prehistoric Copper Smelting Site in Central Thailand.*
- Ehret, Jennifer
- 1994 *Investigations at Las Vegas, Cortes, Honduras: The Implications of Power and Intraregional Dynamics in the Mesoamerican Southeastern Periphery.*
- Peasnell, Brian
- 1992 *Factors Affecting the Development of Technology in the Neolithic Near East: A General Model.*
- Siders, Colleen
- 1991 *The Santa Barbara Economic Network: A Distributional Analysis of Ceramic Exchange in the Greater Santa Barbara Region, West-Central Honduras.*

DISSERTATION COMMITTEES: CHAIRED

Completed:

- Thomas Hardy
- 2019 *Assembling States: Community Formation and The Emergence of The Inca Empire.*
- Coben, Larry
- 2012 *Theaters of Power: Inka Imperial Expansion.*
- Traxler, Loa
- 2004 *Evolution and Social Meaning of Patio and Courtyard Group Architecture of the Early Classic Acropolis, Copan, Honduras.*
- Murphy, Melissa
- 2004 *Health and Disease at the Late Horizon Cemetery of Puruchuco-Huaquerones, Rimac Valley, Peru.*
- Vogel, Melissa
- 2003 *Life on the Frontier: Identity and Sociopolitical Change at The Site of Cerro La Cruz, Peru.*
- Walker, John
- 2000 *Agricultural Change in the Bolivian Amazon.*
- Vranich, Alexei
- 1999 *Interpreting the Meaning of Ritual Spaces: The Temple of Pumapunku Complex, Tiwanaku, Bolivia.*

DISSERTATION COMMITTEE MEMBERSHIP

Completed:

- Schroder, Whit
- 2019 *Community Resilience through Crisis at El Infiernito, Chiapas, A Fortified Refuge in the Upper Usumacinta Valley.*
- Cohen, Rachel
- 2018 *Landscapes of Power in the South Caucasus (1500-600 BCE): GIS and Phenomenological Approaches.*
- Saunaluoma, Sanna
- 2013 *Geometric Earthworks in Western Amazonia* (peer-reviewed article based dissertation).
University of Helsinki, Helsinki, Finland.
- Kraus-Friedberg, Chana
- 2008 *Where you Stay?:” Transnational Identity in Sugar Plantation Worker Cemeteries, Pahala, Hawai’i.”*
- Fowler-Williams, Lucy
- 2008 *Contemporary Tewa Identities in Cloth: Embodiment, persistence, and Renewal in the Upper Rio Grande Valley, New Mexico.*
- Neff, L. Theodore

- 2008 *A Study of Agricultural Intensification: Ancient Maya Agricultural Terracing in the Xunantunich Hinterland, Belize, Central America.*
Miller, Julia
- 2008 *Excavation and Interpretation in the Northeastern Acropolis, Copán, Honduras.*
Sanchez-Canedo, Walter
- 2008 *Inkas, "flecheros" y mitmaqkuna: Cambio social y paisajes culturales en los Valles y en los Yungas de Inkachaca/Paracti y Tablas Monte (Cochabamba-Bolivia), siglos XV-XVI.* Uppsala University, Sweden.
- Keller, Angie
2006 *Roads to the Center: The Design, Use, and Meaning of the Roads of Xunantunich, Belize.*
Liebmann, Matthew
- 2006 *Burn the Churches, Break up the Bells": The Archaeology of the Pueblo Revolt Revitalization Movement in Colonial New Mexico, A.D. 1680-1696.*
Geller, Pamela
- 2004 *Transforming Identities, Transforming Bodies: A Consideration of Pre-Columbian Maya Corporeal Beliefs and Practices.*
Kristin Cahn von Seelen
- 2004 *"This Place Was Paradise": Consumption as Metaphor & Material Concern on Mexico's Southern Frontier.*
Canuto, Marcello
- 2002 *A Tale of Two Communities: Social and Political Transformation in the Hinterlands of the Maya Polity of Copan.*
Yaeger, Jason
- 2000 *Changing Patterns of Social Organization: The Late Terminal Classic Communities at San Lorenzo, Cayo District, Belize.*
Patiño, Diogenes
- 2000 *Settlement, Subsistence and Exchange in Prehispanic Tumaco, Pacific Coast of Colombia.* [External Committee Member, Department of Anthropology, Temple University]
- King, Eleanor
2000 *The Organization of Late Classic Lithic Production at The Prehistoric Maya Site of Colha, Belize: A Study In Complexity And Heterarchy.*
Mora, Santiago
- 2000 *Early Inhabitants of the Amazonian Tropical Rain Forest: A Study of Humans and Environmental Dynamics.* (External Committee Member Department of Archaeology, University of Calgary, Calgary).
- Golden, Jonathan
1999 *The Dawn of the Metal Age: Social Complexity and the Rise of Copper Metallurgy during the Chalcolithic of the Southern Levant, circa 4500-3500 BC*
- Johnston, Susan
1999 *Lifestyle Change and Health among Blackfeet Women of Northern Montana.*
Robin, Cynthia
- 1999 *Towards an Archaeology Of Everyday Life: Maya Farmers of Chan Noohol And Dos Chombitos Cik'in, Belize.*
Veit, Richard
- 1997 *Skyscrapers and Sepulchers: A Historic Ethnography of New Jersey's Terra Cotta Industry.*
Wickramasinghe, Gamini
- 1996 *Irrigation and society in Sri Lanka.*
Pelcin, Andrew
- 1996 *Controlled Experiments in the Production of Flake Attributes.*
Hamilton, Elizabeth
- 1995 *Technology and social change: the Iron Age and Gallo-Roman copper-working industry at the Titelberg, G.D. Luxembourg, circa 125 B.C.-A.D. 300.*
Loney, Helen

- 1995 *Xeroradiography: The Development of Apennine Ceramic Technology.*
McPherron, Shannon
- 1994 *A Reduction Model for Variability in Acheulian Biface Morphology.*
Epstein, Stephen
- 1993 *Cultural Choice and Technological Consequences: Constraint of Innovation in the Late Prehistoric Copper Smelting Industry of Cerro Huaranga, Peru.*
Richards, Janet
- 1992 *Mortuary Variability and Social Differentiation in Middle Kingdom Egypt.*
Kealhofer, Lisa
- 1991 *Cultural Interaction during the Spanish Colonia Period: The Plaza Church Site, Los Angeles.*
Weber, Steven
- 1990 *Plants and Harappan Subsistence: An Example of Stability and Change from Rojdi.*

Dissertation Committee Membership (In Progress)

Clay, Elizabeth
Megan Postemski
Schurtz, Marshall (NELC)
Seyler, Samantha

Chair of Dissertations: In Progress

Advisor of Graduate Students

Charlotte Williams (co-advisor Leventhal)

Supervisor of Independent Study

Small, Sheridan
2017 *Andean Chimeras: Anthropomorphic Compositions in Moche Ceramic Art.* Penn Museum Academic Year Internship Program.

FRESHMEN ADVISING

Class of 2003 (approximately 10 new students and continuing students each year)
Class of 2004
Class of 2005
Class of 2013

GRANTS AND AWARDS OBTAINED BY ADVISEES: GRADUATE STUDENTS

- Walker, John H.
1997 *Dissertation Research: Agricultural change in the Bolivian Amazon.* NSF Dissertation Improvement Grant. BCS-9610312 [\$3000]
- Walker, John
1995 *Agricultural change in the Bolivian Amazon.* Fulbright-Hays Dissertation Fellowship.
- Vogel, Melissa
2001 *Architectural Change at Cerro la Cruz, Peru.* Fulbright-Hays Dissertation Fellowship.
- Vogel, Melissa
2001 *Dissertation Research: Continuity and Change at Cerro la Cruz: A Study of Architecture on the North Coast of Peru.* NSF Dissertation Improvement Grant. Award BSC-0108986 [\$12,000]
- Murphy, Melissa (Co-Chair)
2000 *Health and Disease at the Late Horizon cemetery of Puruchuco-Huauqerones, Rimac Valley,*

Peru Wenner-Gren Research Grant.

Haun, Susan (Co-Chair)

2001 [title?] McNutt Dissertation Research Fellowship. [\$10,000]

Hardy, Thomas

2013 *Minaspata Archaeological Project: Wari Colonialism in the Lucre Basin, Cuzco, Peru*. Doctoral Dissertation Research Improvement Grant, National Science Foundation – Division of Behavioral and Cognitive Sciences (Archaeology) [\$19,999]. [Other grants here.](#)

GRANTS AND AWARDS OBTAINED BY ADVISEES: UNDERGRADUATE STUDENTS

Davis, Katherine

2003 *Ethnoarchaeology of Ritual Offerings in the Bolivian Andes*. Fulbright Fellowship, Washington DC. (declined)

Bare, Christy

2002 *Women Farmers in the Peruvian Andes*. Fulbright Fellowship, Washington DC.

Tarquino, Ellen

2001 *Beyond the Marshall Decision: Alternative Management and Sustainable Fisheries*. Nassau Fund, Center for Undergraduate Research and Fellowships, University of Pennsylvania. [\$650]

Christman, Zachary

2001 *Irrigation Necessities of the Chao Valley, Peru*. Nassau Fund, Center for Undergraduate Research and Fellowships, University of Pennsylvania. [\$300]

Brett, Patrick

2001 *The Manufacture in the Andean Past*. College Research Grant, Center for Undergraduate Research and Fellowships, University of Pennsylvania. [\$1000]

Henderson, Jessica

2000 *Agricultural use of stone-faced terraces at the site of Cerro La Cruz*. Nassau Fund, Center for Undergraduate Research and Fellowships, University of Pennsylvania. [\$800]

Ellis, Lincoln

2002 Rotary Fellowship, Brazil; 2003 Senior Honor Award Spade Award:AFSC Summer Service Program, Xilitla, Mexico. Ben Franklin Scholar, Volunteer dig staff at Chichen Itza.

INTERNS

Samantha Seyler (Fall 2019) Graduate Student Internship Penn Museum

Susan Xie, Adam Canarick, Adam Michael, Yifan You, Felicity Wing Tin Kristin Chow, Donna Liu, Yanfei Li, Beini Gu, Hanna Mushkevich (Summer 2019) (with Norm Badler and Aline Normoyle) SPACES crowd modeling and simulation at Pachacamac, Google Research and PURM.

Jedidiah Dale (Fall 2017 and Spring 2018) GIS analysis of flooding in Bolivia

Monica Fenton (Summer and Fall 2014) Exhibit preparation and research

Samantha Seyler (Spring 2014) Exhibit preparation and research

Deanna Bell (2010-2011) Pachacamac exhibit, collections

Elizabeth Protokowicz (2010-2011) Pachacamac exhibit, collections

Michelle Molchan (2010) Pachacamac exhibit, collections

Jeanette Nicewinter (2010-2011) Pachacamac exhibit, collections

Josh Henkin (2010) residue analysis, molecular archaeology, collections

Carly Lewis (2010- 2011) Pachacamac exhibit, collections

Hanna Candido (2010) Pachacamac exhibit, collections

Zachary Christman (2000-2001) computer mapping, GIS, websites

MISCELLANEOUS

2011: Hosting Visiting Scholar, Barbara Cases. Anthropology, University of Tarapaca, Arica, Chile.

2010: Hosting Post-Doctoral Fellow, Dr. Mariano Bonomo. CONCYCIT, Buenos Aires, Argentina.
2009: Hosting 4 Museum Administrators from the National Museum of Natural History, Santiago, Chile.
September 2009.