

WILLIAM A. SATURNO

Assistant Professor

Department of Archaeology
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RESEARCH INTERESTS

- mesoamerican archaeology
- landscape archaeology, remote sensing, and GIS
- art and iconography
- complex societies
- archaeology in popular culture

CURRENT TITLES AND AFFILIATIONS

- Director, Proyecto San Bartolo, Instituto de Antropologia e Historia, Guatemala
- Research Associate, Peabody Museum, Harvard University

EDUCATION

1992-2000 Harvard University: Doctor of Philosophy in Anthropology (June 2000)
Harvard University: Master of Arts (June 1995)
1990-1991 University of Arizona: Bachelor of Arts received summa cum laude (December 1991)
Major: Anthropology; Minor: Latin American Studies
1987-1989 Binghamton University: Major: Physics/Anthropology

EMPLOYMENT RECORD

2007 - Assistant Professor, Department of Archaeology, Boston University
2007-2009 Research Scientist, Marshall Space Flight Center, NASA
2003-2007 Assistant Professor, Department of Anthropology, University of New Hampshire
2002-2003 Research Assistant Professor, Department of Anthropology, University of New Hampshire
2000-2002 Lecturer, Department of Anthropology, University of New Hampshire
2000-2001 Teaching Assistant, Department of Anthropology, Harvard University
1998-2000 Undergraduate Tutor, Department of Anthropology, Harvard University
1994-1997 Teaching Fellow, Department of Anthropology, Harvard University

ACADEMIC HONORS, FELLOWSHIPS

National Endowment for the Humanities and Weatherhead Resident Scholar (October 2005 - May 2006)
School of American Research

American Council of Learned Societies Fellowship (August 2005 - July 2006)

Dumbarton Oaks Junior Fellowship in Pre-Columbian Studies (September 1997 - May 1998)

Harvard University Award for Excellence in Teaching (Awarded nine times from 1995 - 2001)

Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship (January - August 1996)
U.S. Department of Education, Rio Amarillo Archaeological Project

National Science Foundation Graduate Fellowship (1993 - 1996)

Howard Award of Academic Excellence (1992)
Phi Beta Kappa, Alpha of Arizona

William Shirley Fulton Scholarship in Archaeology (February - June 1992)
San Lorenzo Regional Archaeology Project

University of Arizona Award of Highest Academic Distinction (1991)

Inducted into Phi Beta Kappa, Alpha of Arizona (1991)

University of Arizona Honors Research Fellowship (1991)

Emil W. Haury Educational Fund in Archaeology Award (March- August 1991)

GRANTS

National Endowment for the Humanities Collaborative Research (July 2013 - June 2016)
Grant # RZ51575-13 "San Bartolo Mural Fragments Project : Murals in Motion", PI Heather Hurst Skidmore College \$244,000

National Aeronautics and Space Administration ROSES #NNX13AP87G (Aug 2013-Aug 2016)
An Archaeological Investigation into the Northern Peruvian Desert Region
Using Landsat, Hyperion, Advanced Land Imager (ALI), and ASTER Data
\$486,326

National Geographic Society Expeditions Council Grant #EC0559-12 (Apr 2012)
Xultun Palace Complex Conservation Project \$33,000

National Geographic Society Research and Exploration Grant #9091-12 (Feb 2012)
Saving the Xultun Mural \$11,000

National Geographic Society Research and Exploration Grant #8931-11 (April 2010)
The Maya Collapse: the View from Behind the Throne \$20,000

National Geographic Society Expeditions Council Grant #EC0497-11 (April 2010)
Saving the Xultun Mural \$20,000

National Science Foundation Dissertation Improvement Grant (5/10-7/12)
DDIG: A Terminal Classic Maya Household at the Micro Scale: Social
Organization and Foodways In the Puuc Hills, Yucatan, Mexico.
Graduate Student: Stephanie Simms \$20,000

National Aeronautics and Space Administration IPA (10/07-10/10)
Archaeological Remote Sensing \$162,487.65

National Geographic Society Research and Exploration Grant #8782-10 (April 2010)
Emergency Conservation Work on the Xultun Mural \$15,037

National Science Foundation Dissertation Improvement Grant (9/2008-12/2009)
Classical Maya Ceramic Technology and Political Dynamics in the Central Peten Lakes Region,
Guatemala. Graduate Student: Ellen Spensley \$15,000

US Department of State, Ambassador's Fund for Cultural Preservation (January 2009 - December 2010)
Architectural Restoration and Investigation of the Las Pinturas Complex, San Bartolo \$222,237

National Aeronautics and Space Administration IPA (October 2007 - September 2009)
Archaeological Remote Sensing, Marshall Space Flight Center \$235,264

Universities Space Research Association (June 2007 - September 2008)
Archaeological Remote Sensing and Anthropogenic Environmental Change \$59,970

President's Fund for Excellence (January - August 2007)
University of New Hampshire \$20,000

Reinhart Family Foundation (2007)
Proyecto Arqueologico Regional de San Bartolo \$95,000

Annenberg Foundation Grant (January 2005)
Proyecto San Bartolo \$20,000

Brigham Young University Institute for the Study and Preservation of Ancient Religious Texts Research
Grant, San Bartolo Regional Archaeology Project \$40,000 (2005)

National Aeronautics and Space Administration IPA (June 2005 - October 2005)
Archaeological Remote Sensing, Marshall Space Flight Center \$45,007

National Endowment for the Humanities Collaborative Research Grant # RZ50086-03 (July 2003 - June 2006)
San Bartolo Mural Project \$210,000

Peabody Museum Research Grant (January 2002 - December 2009)
Proyecto San Bartolo \$185,000

National Geographic Society Research and Exploration Grant # 7721-04 (July 2004)
San Bartolo Regional Archaeology Project \$3,000

National Geographic Society Research and Exploration Grant # 7601-04 (January - December 2004)
San Bartolo Regional Archaeology Project \$20,000

American Philosophical Society Franklin Research Grant (March - June 2003)
San Bartolo Regional Archaeology Project \$4,000

National Geographic Society Research and Exploration Grant # 7393-03 (January - December 2003)
San Bartolo Regional Archaeology Project \$29,950

Foundation for the Advancement of Mesoamerican Studies, Inc. Grant # 02039 (March - December 2003)
Emergency Conservation at San Bartolo, Guatemala \$10,000

National Geographic Society Research and Exploration Grant # 7222-02 (May - December 2002)
San Bartolo Regional Archaeology Project \$25,000

Foundation for the Advancement of Mesoamerican Studies, Inc. Grant # 01038 (April - December 2002)
Archaeological Investigation and Conservation at San Bartolo, Guatemala \$10,000

Dumbarton Oaks Research Project Grant (April - June 2002)
San Bartolo Mural Rescue Project \$7,500

National Geographic Society Research and Exploration Grant # 7065-01 (May 2001)
Archaeological Reconnaissance and Conservation at San Bartolo, Guatemala
(co-PI with David Stuart) \$10,920

Andrew W. Mellon Dissertation Write-up Grant (June - August 1997)
Dept. of Anthropology, Harvard University, Rio Amarillo Archaeological Project \$6,000

Andrew W. Mellon Dissertation Top-up Grant (February - May 1997)
Dept. of Anthropology, Harvard University, Rio Amarillo Archaeological Project \$12,000

Andrew W. Mellon Pre-Dissertation Grant (January - June 1995)
Dept. of Anthropology, Harvard University, Rio Amarillo Archaeological Project \$6,000

Departmental Research Grant (June - July 1994)
Dept. of Anthropology, Harvard University, Rio Amarillo Archaeological Project \$6,000

John G. Owens Fellowship (February - June 1994)
Peabody Museum, Harvard University, Rio Amarillo Archaeological Project \$6,000

Departmental Research Grant (March - April 1993)
Dept. of Anthropology, Harvard University. Program for Belize \$3,000

PROFESSIONAL SERVICE
ARCHAEOLOGY DEPARTMENT

- 2013 Member, GIS and Remote Sensing Committee, Archaeology Department
Member, Archaeology Department Graduate Studies Committee
- 2012 Member, GIS and Remote Sensing Committee, Archaeology Department
Member, Archaeology Department Graduate Studies Committee
- 2011 Member, GIS and Remote Sensing Committee, Archaeology Department
Member, Archaeology Department Graduate Studies Committee
- 2010 Member, Mesoamerican Search Committee
Member, Archaeology Department Graduate Studies Committee

- Member, GIS and Remote Sensing Committee, Archaeology Department
- 2009 Member, Mesoamerican Search Committee
- Member, Archaeology Department Graduate Studies Committee
- Member, GIS and Remote Sensing Committee, Archaeology Department
- 2008 Member, GIS and Remote Sensing Committee, Archaeology Department
- Member, Archaeology Department Graduate Studies Committee
- 2007 Member, GIS and Remote Sensing Committee, Archaeology Department

BOSTON UNIVERSITY

- 2012 Member, Fulbright Scholarship Committee, Boston University
- 2011 Member, Latin American Studies MA, Admissions Review Committee, BU
- 2010 Member, Latin American Studies MA, Admissions Review Committee, BU
- Member, Fulbright Scholarship Committee, Boston University
- 2009 Member, Fulbright Scholarship Committee, Boston University
- 2008 Member, Fulbright Scholarship Committee, Boston University

OTHER

- 2013 Grant Reviewer, Social Science Research Council, IDRF Program
- Grant Reviewer, National Science Foundation
- Grant Reviewer, National Geographic Society
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2012 Grant Reviewer, Social Science Research Council, IDRF Program
- Grant Reviewer, National Science Foundation
- Grant Reviewer, National Geographic Society
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2011 Academic Trustee, Archaeological Institute of America
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2010 Academic Trustee, Archaeological Institute of America
- Grant Reviewer, National Science Foundation
- Grant Reviewer, National Geographic Society
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2009 Academic Trustee, Archaeological Institute of America
- Grant Reviewer, National Science Foundation
- Grant Reviewer, National Geographic Society
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2008 Academic Trustee, Archaeological Institute of America
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology
- Teaching Faculty (unpaid) Center for Materials Research in Archaeology and Ethnology, MIT
- 2007 Research Scientist and Remote Sensing/Archaeology Ambassador, NASA
- Research Associate (unpaid) of the Peabody Museum of Archaeology and Ethnology

FIELD RESEARCH

Proyecto San Bartolo

(6/01 – present)

Director - ongoing multi-disciplinary archaeological investigation and conservation of the site of San Bartolo, Guatemala. San Bartolo is a newly discovered small Maya center in the northeastern Peten containing extensive Preclassic murals, the earliest thus far encountered in the Maya area. This multi-year project promises to change our conceptions of early Maya civilization and shed new light on the broader processes of urbanization and the formation of complex society.

Corpus of Maya Hieroglyphic Inscriptions

(8/00 - 6/01)

Director of Digital Technology - designed and maintained Corpus Web Site, in charge of the digital archiving of all Corpus materials. Begana Geographic Information Systems (GIS) database for analysis and presentation of all Corpus data. Survey and reconnaissance of Lowland Maya sites. Photography of inscribed monuments. Ian Graham, Director.

Rio Amarillo Archaeological Project

(2/94 - 8/00)

Field Director - conducted the survey and mapping of Rio Amarillo, a "subordinate center" located 20 km west of Copan, Honduras. Assessed recent river and looter damage, collected sculpture and dressed stone from river cut. Conducted test excavations throughout the site as well as the intensive excavation of elite and non-elite residential structures. Laboratory analysis of collected materials. Dr. William Fash, Director.

Harvard University Archaeological Field School, Copan, Honduras

(7/95)

Teaching Staff - directed survey, mapping and test excavations of Group 9J-5, a Type IV residential group located at the western end of the sacbe running through the Principal Group, Copan, Honduras. Drs. William L. Fash and David S. Stuart, Co-Directors.

Rio Azul/Programme for Belize Regional Project

(3/93 - 4/93)

Archaeologist - conducted survey, mapping, and test excavations of Early Classic through Terminal Classic residential complexes in the Rio Bravo region of northern Belize. Drs. R.E.W. Adams and Fred Valdez, Co-Directors.

Proyecto Arqueologico de San Lorenzo Tenochtitlan

(2/92 - 1/94)

Researcher - conducted regional survey and mapping of outer hinterland of San Lorenzo. Laboratory analysis of fatty acid residues from ceramics excavated during the 1991 and subsequent field seasons to address questions dealing with Olmec subsistence. Dr. Ann CyphersGuillen, Director.

Tuxtlas Archaeological Survey Project

(5/91 - 8/91)

Archaeologist - conducted regional survey, mapping and surface collections of Early Formative through Postclassic Period sites in the region between the Tuxtlas Mountains and the Gulf of Mexico, Veracruz, Mexico. Laboratory analysis of collected ceramics and lithics. Dr. Robert Santley, Director.

University of Arizona Field School at Grasshopper Pueblo

(6/89 - 7/89)

Archaeology student - participated in archaeological survey and excavations of Pueblo III period room blocks at Grasshopper Spring Pueblo; laboratory analysis of collected ceramics and lithics. Dr. J. Jefferson Reid, Director.

PROFESSIONAL PAPERS AND PUBLICATIONS

BOOKS & MONOGRAPHS & EDITED VOLUMES

In prep. The Early Maya. Cambridge World Archaeology Series. (single author) Cambridge University Press
(under contract)

In prep. Art of Sacrifice, Act of Creation: The Murals of San Bartolo, Guatemala. (senior author with H. Hurst) University of Texas Press
(under contract)

2010 The Murals of San Bartolo, El Peten, Guatemala, Part 2: The West Wall. *Ancient America 11*. Center for Ancient American Studies, Barnardsville, NC. (co-author, with Karl A. Taube, David Stuart and Heather Hurst).

2005 The Murals of San Bartolo, El Peten, Guatemala, Part 1: The North Wall. *Ancient America*, Number 7. Center for Ancient American Studies, Barnardsville, NC (senior author, with Karl A. Taube and David Stuart)

2000 In the Shadow of the Acropolis: Rio Amarillo and Its Role in the Copan Polity. PhD. Dissertation, Department of Anthropology, Harvard University.

BOOK CHAPTERS & JOURNAL ARTICLES

In Press Changing Stages: Royal Legitimacy and the Architectural Development of the Pinturas Complex at San Bartolo, Guatemala. In *Pathways to Complexity: A view from the Maya Lowlands*. George Bey and Kathryn Brown eds. Gainesville: University Press of Florida. (senior author with Franco Rossi)

In Press Shifting Patterns of Maya Social Complexity through Time: Preliminary Zooarchaeological Results from San Bartolo, Guatemala. In *Animals and Inequality*, Sue Ann McCarty and Benjamin S. Arbuckle eds.. University of Colorado, Boulder (co-author with Ashley Sharpe and Kitty Emery)

2013 Astronomical Implications of Maya Hieroglyphic Notations at Xultun. *Journal for the History of Astronomy* xliv (2013) 1-16. (co-author, with A. Aveni and D. Stuart)

2012 Ancient Maya Astronomical Tables from Xultun, Guatemala. *Science* ccxxxvi, no. 6082 (2012): 714-717. (Senior author with A. Aveni, D. Stuart and F. Rossi)

2010 Collapse of the Maya: Could deforestation have contributed?. *Journal of Geophysical Research* 115(D12106). (co-author, with R.J. Oglesby, D.J. Erickson III, and J. Srikishen)

2009 Centering the Kingdom, Centering the King: Maya Creation and Legitimization at San Bartolo. In *The Art of Urbansm: How Mesoamerican Cities Represented Themselves in Architecture and Imagery*, William L. Fash and Leonardo Lopez Lujan, eds. Dumbarton Oaks, Washington DC

2009 High Resolution Documentation of the Murals of San Bartolo, Guatemala. In *Maya Archaeology I*, edited by Charles Golden, Stephen Houston and Joel Skidmore, pp.8-27. San Francisco: Precolumbia Mesoweb Press.

2008 The Murals of San Bartolo and the Early Development of Maize Symbolism and Mythology in Ancient Mesoamerica. In *Mesa Redonda Olmeca*, Rebeca Gonzalez Lauk and Maria Teresa Uriarte, eds.

Instituto Nacional de Antropología e Historia, Mexico City. (co-author, with Karl A. Taube).

2007 The Maize God and the Mythology of Kings: Maya Paintings at San Bartolo, Guatemala. In *Discovery! Unearthing the New Treasures of Archaeology*, Brian Fagan, ed. Thames and Hudson, London.

2007 Putting Us on the Map: Remote Sensing Investigation of the Ancient Maya Landscape. In *Remote Sensing in Archaeology*, edited by James Wiseman, Plenum, New York. (senior author, with Thomas L. Sever, Daniel E. Irwin, Burgess Howell and Thomas Garrison).

2006 Early Maya Writing at San Bartolo, Guatemala. *Science* 311,1281. (senior author, with David Stuart, and Boris Beltran)

2006 Regional Scale Landscape Archaeology: 21 st Century Remote Sensing Technology and the Ancient Maya. In *Manual of Remote Sensing, Volume 5, Remote Sensing and Human Settlements*, Merril Ridd and Jim Hipple, eds. John Wiley & Sons, Hoboken, NJ. (senior author, with Thomas L. Sever, Daniel E. Irwin and Burgess Howell).

2004 Hallazgo: Las excepcionales pinturas de San Bartolo, Guatemala. *Arqueología Mexicana* 11 (66): 34-35. (senior author, with Karl A. Taube).

REPORTS & OTHER ARTICLES

2012 Proyecto Arqueológico Regional de San Bartolo, 11a. Temporada 2012. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Patricia Castillo).

2011 Proyecto Arqueológico Regional de San Bartolo, 10a. Temporada 2011. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Luis Romero).

2010 Proyecto Arqueológico Regional de San Bartolo, 9a. Temporada 2010. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Luis Romero).

2009 Proyecto Arqueológico Regional de San Bartolo, 8a. Temporada 2009. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Luis Romero).

2008 Proyecto Arqueológico Regional de San Bartolo, 7a. Temporada 2008. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Monica Urquizu).

2007 Proyecto Arqueológico Regional de San Bartolo, 6a. Temporada 2007. Final Report submitted to the Instituto de Antropología e Historia, Guatemala. (senior editor, with Monica Urquizu).

2006 The Dawn of Maya Gods and Kings. *National Geographic* Jan 2006. Washington DC

2006 Nuevos Hallazgos Arquitectónicos y Pictóricos en la Pirámide Las Pinturas, San Bartolo, Peten. In *XIX Simposio de Investigaciones Arqueológicas en Guatemala, 2005*, Juan Pedro Laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropología e Historia, Guatemala City. (senior author, with Karl A. Taube, David Stuart, Boris Beltran and Edwin Roman).

2006 Proyecto Arqueologico Regional de San Bartolo, Sa. Temporada 2006. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior editor, with Monica Urquizu).

2005 Proyecto Arqueologico Regional de San Bartolo, 4a. Temporada 2005. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior editor, with Monica Urquizu).

2005 Identificacion Mitologica de los Personajes en el Muro Oeste de la Piramide de las Pinturas Sub-1, San Bartolo, Peten. In XVIII Simposio de Investigaciones Arqueologicas en Guatemala, 2004, Juan Pedro laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropologia e Historia, Guatemala City. (senior author, with Karl A. Taube and David Stuart).

2004 Proyecto Arqueologico Regional de San Bartolo, 3a. Temporada 2004. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior editor, with Monica Urquizu).

2004 Hacia la Formacion del Nuevo Mapa de la Cuenca Ixcancfo. In XVII Simposio de Investigaciones Arqueologicas en Guatemala, 2003, Juan Pedro laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropologia e Historia, Guatemala City. (senior author, with Thomas Garrison, Thomas L. Sever, and Daniel E. Irwin).

2004 Resultados Preliminares de la Segunda Temporada de Campo (2003) Del Proyecto Arqueologico Regional de San Bartolo. In XVII Simposio de Investigaciones Arqueologicas en Guatemala, 2003, Juan Pedro laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropologia e Historia, Guatemala City. (senior author, with Monica Urquizu).

2004 Identificacion Mitologica de los Personajes en el Muro Norte de la Piramide de las Pinturas Sub-1, San Bartolo, Peten. In XVII Simposio de Investigaciones Arqueologicas en Guatemala, 2003, Juan Pedro laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropologia e Historia, Guatemala City. (co-author, with Karl A. Taube and David Stuart).

2003 Proyecto Arqueologico Regional de San Bartolo, 2a. Temporada 2003. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior editor, with Monica Urquizu).

2003 Resultados Preliminares de la Primera Temporada de Campo (2002) Del Proyecto Arqueologico Regional de San Bartolo. In XVI Simposio de Investigaciones Arqueologicas en Guatemala, 2002, Juan Pedro laporte, Barbara Arroyo, Hector Escobedo and Hector Mejia, eds. Instituto de Antropologia e Historia, Guatemala City.

2002 Proyecto Arqueologico Regional de San Bartolo, 1 a. Temporada 2002. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior editor, with Monica Urquizu).

2001 Reconocimiento Arqueologico y Conservacion de San Bartolo, Guatemala. Final Report submitted to the Instituto de Antropologia e Historia, Guatemala. (senior author, with David Stuart, Hector Escobedo, and Ian Graham).

SCHOLARLY PAPERS

2013 Grasshopper's Long Jump: Exploration, Archaeology, and Education in the Northeast Peten, Guatemala. Presented in the Session: Fifty Years Ago: The Legacy of the Grasshopper Research Project in

Current Archaeological Practice at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii, 4 April.

2013 Tomb or Offering? Analyzing the Findings in Structure 11J7 at Xultun, Guatemala. Presented in the Session: Xultun: Recent Investigations at a Classic Maya Metropolis in the Northeast Peten at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii, 4 April. (co-author, with Patricia Castillo, Boris Beltran, David Del Cid and Estuardo Casasola)

2013 Maya Pyrotechnology and Plaster: Integrating Micromorphology and Fourier-Transform Infrared Spectroscopy (FTIR) at San Bartolo, Guatemala. Presented in the Session: Ritual, Economy, and Environment in the Ancient Maya World at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawaii, 7 April. (co-author, with Megan Thibideau, Heather Hurst and Francesco Berna)

2012 Xultun: un Misterio Clásico en el Noreste del Petén. Presented in the XXVI Simposio de Investigaciones Arqueológicas en Guatemala, 20 July.

2012 Orden del Cosmos: Pintando entre el pasado mítico y el futuro matemático en los murales de San Bartolo y Xultun. Presented in the XXVI Simposio de Investigaciones Arqueológicas en Guatemala, 16 July.

2012 Between Rise and Fall: The Art of Maya Civilization, National Geographic Explorers Symposium, Washington DC, 6/14/2012. Presentation followed by panel discussion w/ Meave Leakey and Jeffery Rose, moderated by Christopher Thornton.

2011 Del Preclásico tardío al Clásico temprano: cambios, continuidades, y nuevos hallazgos en la región San Bartolo-Xultún. Presented as part of *Sociétés mayas millénaires: crises du passé et résilience* Musée du quai Branly, Paris, France 2 July, Paris (senior author with Boris Beltrán, Patricia Rivera, Luis Romero, Franco Rossi & Jonathan Ruane)

2009 Monumental Architecture: Building Design and Commemoration at San Bartolo, Guatemala. Presented in the Session: Recent Advances in Preclassic lowland Maya Archaeology at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia, 26 April. (co-author, with Astrid Runggaldier).

2009 Source Analysis of Obsidian from San Bartolo and Xultun, Guatemala by X-ray Fluorescence. Presented in the Session: Provenance Studies in Archaeology at the 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia, 25 April. (co-author, with Jeffrey Dobereiner and Robert Tycot).

2009 The Maya Zooarchaeological Record from San Bartolo, El Peten, Guatemala. Poster presentation, 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia, 24 April. (co-author, with Ashley Sharpe).

2009 Change and Continuity in the Preclassic Architecture of the las Pinturas Group, San Bartolo, Peten, Guatemala. Poster presentation, 74th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia, 24 April. (co-author, with Jessica Maclellan).

2008 Seeing What Lies Beneath: Canopy Reflectance as an Indicator of Ancient Settlement. Presented in the Invited Session: Remote Sensing Applications to Archaeology at the IEEE International Geoscience and Remote Sensing Symposium, Boston, Massachusetts, 7 July

2007 La Transcendencia de los Murales de San Bartolo en la Historia Cultural de Los Mayas. Inaugural lecture, VII Congreso Internacional de Mayistas, Merida, Mexico, 8 July.

2007 Acts of Creation, Art of Kings: Illustrating Power and Legitimacy in the San Bartolo Murals. 3rd Copan Congress: "The Art of Power in Mundo Maya"; Copan Ruinas, Honduras, 15 June.

2007 The Dark at the End of the Tunnel: Considering Preclassic Maya Politics. Presented at the University Museum International Conference on the Origins of Maya States, University of Pennsylvania, Philadelphia, Pennsylvania, 12 April.

2006 A Paleo-perspective on Human Influence on Climate. Presented as part of the session Life and Times of Climate Change organized by Frank Niepold and David Herring, National Association of Science Centers, Louisville, Kentucky, 29 October.

2006 The Origin of Maya Kings: New Evidence from San Bartolo. Presented as part of the session Life and Art of the First Maya Kings: Results and Interpretations from the San Bartolo Regional Archaeology Project, organized by Willaim A. Saturno and Astrid Runggaldier, 52nd International Congress of Americanists, Seville, Spain, 18 July.

2006 Proyecto San Bartolo 2001-2006: Where We've Been and Where We're Going. Presented as part of the session The Art of the State and the State of the Art, organized by Willaim A. Saturno and Jessica H. Craig, 71 st Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, 28 April.

2005 En el Centro el Reino, en el Centro el Rey: Creacion y Legitimacion en el Sitio Maya de San Bartolo. Dumbarton Oaks Symposium: El Arte del Urbanismo, Museo del Templo Mayor, Mexico, D.F. , 7 October.

2005 A Paleo-perspective on Human Influence on Climate. Presented as part of the session Life and Times of Climate Change organized by Frank Niepold and David Herring, National Association of Science Centers, Louisville, Kentucky, 29 October.

MEDIA PRODUCTIONS AND EXIBITS

2012 NPR Science Friday, Hour-long radio interview, original broadcast 21 December 2012

2012 NPR On Point. Hour-long radio interview, original broadcast 17 December 2012

2012 Maya Underworld the Real Doomsday, National Geographic Television original broadcast 3 December 2012

2012 Press Conference: National Geographic Society Headquarters, Washington DC, and associated interviews for Radio, TV and Print Media 10 May 2012

2008 Indiana Jones and the Ultimate Quest. Originally aired on The History Channel May 2008

2008 Storied Walls: Murals of the Americas, exhibit at The Peabody Museum of Archaeology and Ethnology, Harvard University. Contributor and Assistant Curator. March 2008 - September 2009

2008 NASA: Fifty Years and Beyond, Smithsonian Folk Life Festival, National Mall, Washington DC

2007 Digging for the Truth: New Maya Revelations, Originally aired on The History Channel Feb. 2007

2007 NOVA Science Now: The Maya. Originally aired on PBS January 2007

2005 Lords of Creation: The Origins of Sacred Maya Kingship, directed by David Miller. Produced by the Los Angeles County Museum of Art released September 2005 to accompany the exhibit of the same name, Virginia Fields, curator.

2005 Time Warp Trio: Me Oh Maya. Principal advisor, produced by WGBH in association with Soup2Nuts for Discovery Kids. Major funding for Time Warp Trio provided by a grant from the National Endowment for the Humanities.

2005 Discoveries from Space: Uncovering Maya Mysteries, directed by AI Feinberg. National Aeronautics and Space Administration, originally aired on NASA TV September 2005.

2004 The Murals of San Bartolo, exhibit at the National Museum of Archaeology and Ethnology, Guatemala City, Guatemala. Designed by William Saturno, Monica Urquizu and Harriet Beaubien. July 2004.

2004 Dawn of the Maya, directed by Graham Townsley. Produced by National Geographic Society, originally aired on PBS May 2004.

INVITED LECTURES

2012 Myth, Math, and the Measure of Maya Time, Linda Hall Library of Science, engineering and Technology, Kansas City, MO, 22 October.

2012 Unearthing Xultun: New Discoveries in Maya Art and Science. Delivered at Harvard University, Cambridge, MA, 17 October.

2012 Xultun: A Maya City of Scholars Artists and Kings, National Geographic Board of Trustees Meeting, Washington DC, 13 June.

2012 There and Back Again: Discovery and Conservation at San Bartolo and Xultun, Delivered to a special delegation from the National Geographic Society Committee of Research and Exploration, Flores, Guatemala, 26 February.

2008 Architects of Creation and Cosmos: New Discoveries from San Bartolo, Guatemala. *Denver* Museum of Nature and Science, *Denver*, Colorado, 6 November.

2008 Painted Walls Sacred Stories: Art and the Myth of Early Maya Kings. Paul H. and Erika

Bourguignon Lecture in Art and Anthropology, Department of Anthropology, The Ohio State University, Columbus, Ohio, 15 May.

2008 Painting Performance: The Art of Ceremony Sacrifice, and History. Lecture to open the exhibit "Storied Walls: Murals of the Americas"; Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts, 13 March.

2007 Something Old, Something New: Center, Corn and King. 25th Annual Maya Weekend "The Dawn of Maya Civilization" University Museum, University of Pennsylvania, Philadelphia, Pennsylvania, 15 April.

2007 Where the Wild Things Aren't: Maya Cosmology, Landscape, and the Art of Center-Building. Department of Archaeology, Boston University, Boston, Massachusetts, 4 April.

2007 Landscape, Myth, and the Art of Maya Statecraft. Department of Anthropology, University of New Mexico, Albuquerque, New Mexico, 26 March.

2007 Acts of Creation and Kingship: The Murals of San Bartolo. 4th Annual Tulane Maya Symposium. Tulane University, New Orleans, Louisiana, 3 February.

2007 Maya King and Country: Landscape, Mythology, and the Origins of Civilization. The Ohio State University, Columbus Ohio, 31 January.

2006 Detecting Urban Islands through an Arboreal Sea. Department of Archaeology, University of Sydney, Sydney, Australia, 6 November.

2006 Maya Gods and Kings: The Mural of San Bartolo. National Geographic Society, Chicago, Illinois, 25 October.

2006 Discoveries at San Bartolo: Murals, Glyphs and Tombs. National Academies of Science and Engineering, Irvine, California, 22 October.

2006 Of Creation and Kings: Illustrating Maya Origins. Institute of Science, Engineering and Public Policy, Portland, Oregon, 19 October.

2006 Searching for the Maya from Space and on Land. (with Thomas Sever) Stout Lecture in Geosciences, University of Nebraska, Lincoln, Nebraska, 15 September.

2006 The Maya Rise: Exploring the Preclassic to Classic Transition at Tikal and Uaxactun, National Endowment for the Humanities Summer Institute "Maya Worlds"; Tikal, Guatemala, 2-4 July.

2006 The Blood of Sacrifice, the Lord of Creation: Maya Art, Myth, and Power in San Bartolo, Guatemala. Metropolitan Museum of Art, New York, New York, 18 June.

2006 Decoding Creation: Landscape, Myth, Sacrifice, and the First Maya Kings. Institute of Science, Engineering and Public Policy, San Jose, California, 16 May.

2006 Urban Islands in a Verdant Sea: Maya Landscape, Sacred and Secular. School of American

Research, Santa Fe, New Mexico, 10 May.

2006 Seeing Both Forest and Trees: Imaging Maya Kingdom and King at San Bartolo, Guatemala. Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts, 3 May.

2006 The Maya Mural of San Bartolo. National Geographic Society, Washington, District of Columbia, 11 April.

2006 Walking the Hero's Path, Climbing the King's Throne. 24th Annual Maya Weekend, University Museum, University of Pennsylvania, Philadelphia, Pennsylvania, 7 April.

2006 Reading the Divine Charter: Maya Creation Mythology and the Origin of Kings. Department of Art and Art History, University of New Mexico, Albuquerque, New Mexico, 31 March.

2006 At the Center, the King: Maya Creation Mythology and Royal Legitimacy in the 1st Century B.C. Department of Anthropology, University of Arizona, Tucson, Arizona, 29 March.

2006 Cool and Exciting New Stuff from San Bartolo. 30th Annual Maya Meetings, University of Texas, Austin, Texas, 17 March.

2006 Painting the Creation, Crowning the King: Maya Art, Iconography and History at San Bartolo, Guatemala. Archaeological Institute of America Lecture, Saint Louis Art Museum, Saint Louis, Missouri, 10 March.

2006 Charting the Path of Maya Kings. School of American Research, Santa Fe, New Mexico, 25 February.

2006 Creating a World to Rule: The Origins of Maya Divine Kingship at San Bartolo, Guatemala. Maya Society of Minnesota, Hamline University, Minneapolis, Minnesota, 3 February.

2006 Camino en Mal Estado: Archaeological Exploration and Discovery in Guatemala. Archaeological Institute of America Lecture, Minneapolis Institute of Arts, Minneapolis, Minnesota, 2 February.

2006 From the Mouths of Caves: Maya Creation Mythology in the 1st Century B.C. Archaeological Institute of America Lecture, Trinity University, San Antonio, Texas, 1 February.

2006 Creating a World to Rule: The Origins of Maya Divine Kingship at San Bartolo, Guatemala. Archaeological Institute of America Lecture, Southern Methodist University, Dallas, Texas, 31 January.

2006 Entre el Natural y el Sobrenatural: Creación y Legitimación en San Bartolo. Universidad Francisco Marroquin, Guatemala City, Guatemala, 16 January.

2005 Of Creation and Kings: Illustrating Maya Origins. School of American Research, Santa Fe, New Mexico, 17 November.

2005 Painting Maya Kings and Creation at San Bartolo, Guatemala. Los Angeles County Museum of Art, Los Angeles, California, 5 November.

2005 Seeing the Forest and the Trees: Advances in Mapping the Ancient Maya Landscape from Space. NASA, Marshall Space Flight Center/National Space Science Research Center. Huntsville, Alabama, 27 October.

2005 Creating Maya King and Kingdom at San Bartolo, Guatemala. School of American Research, Santa Fe, New Mexico, 12 October.

2005 Creating Country and King at San Bartolo, Guatemala: New Evidence on the Origin of Maya Divine Rule. Department of Anthropology, Center for the Americas, Center for Latin American and Iberian Studies, Vanderbilt University, Nashville, Tennessee, 26 September.

2005 Divine Sacrifices, Divine Rule: Maya Creation Mythology and the Origin of Kings. Archaeological Institute of America Lecture, University of Alabama, Huntsville, Alabama, 20 September.

2005 Understanding the Past as a Tool for Managing Mesoamerica's Future. NASA Biodiversity and Ecological Forecasting Team Meeting, Washington, DC, 30 August.

2005 From Science to Society: Mapping the Ancient Maya Landscape and Promoting Sustainable Development. National Aeronautics and Space Administration Headquarters, Washington, DC, 20 July.

2005 Olmec Foundations of Maya Royal Legitimacy. Mesa Redonda Olmeca, Museo Nacional, Mexico City, Mexico, 11 March.

2005 Nuevos Descubrimientos en San Bartolo. Museo Popol Vuh, Universidad Francisco Marroquin, Guatemala City, Guatemala, 27 January.

2004 Archaeology and Exploration in Guatemala. Derryfield School, Manchester, New Hampshire, 8 December.

2004 Let there Be Kings: Contextualizing Maya Creation Mythology and Divine Kingship at San Bartolo, Guatemala. Center for Archaeological Study, Boston University, Boston, Massachusetts, 30 November.

2004 Of Gods and Kings: Painting the Maya Creation at San Bartolo, Guatemala. Land Lecture, Palace of the Legion of Honor, San Francisco, California, 14 November.

2004 The Wall Paintings of San Bartolo, Guatemala. San Diego Natural History Museum, San Diego, California, 1 November.

2004 Recent Research and Discoveries at San Bartolo. National Academies of Science and Engineering, Irvine, California, 30 October.

2004 Murals, Myths, and the Origins of Maya Civilization. Doris Z. Stone New World Archaeology Lecture, Archaeological Institute of America, Department of Anthropology, University of Wisconsin, Madison, Wisconsin, 26 October.

2004 Murals, Myths, and the Origins of Maya Civilization. Doris Z. Stone New World Archaeology Lecture, Archaeological Institute of America, Department of Anthropology, Lawrence University, Appleton, Wisconsin, 25 October.

2004 Murals, Myths, and the Origins of Maya Civilization. Doris Z. Stone New World Archaeology Lecture, Archaeological Institute of America, Department of Anthropology, University of Wisconsin, Milwaukee, Wisconsin, 24 October.

2004 Maya Art and Archaeology at San Bartolo, Guatemala. Latin American Center, Manchester, New Hampshire, 19 October.

2004 Blood and Sacrifice in the Wall Paintings of San Bartolo. Departments of Anthropology and Art History, University of Texas, Austin, Texas, 15 October.

2004 Redefining the Classic in Maya Art. University of New Hampshire, Durham, New Hampshire, 12 October.

2004 Making a World to Rule: Maya Creation Mythology and Divine Kingship in the San Bartolo Murals. Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Massachusetts, 2 October.

2004 Creating Kings and Country: The West Wall Mural of Pinturas Sub-1, San Bartolo, Guatemala. Department of Archaeology, Boston University, 28 September.

2004 Update on Maya Settlement Survey from Space. NASA, Marshall Space Flight Center/National Space Science Research Center. Huntsville, Alabama, 22 September.

2004 Birth, Breath, and Blood: Maya Creation Mythology in the 1st Century AD. 22nd Annual Maya Weekend, University Museum, University of Pennsylvania, Philadelphia, Pennsylvania, 27 March.

2004 Mitología y Murales del Maya Preclásico. Universidad San Carlos, Guatemala City, Guatemala, 9 February.

2004 El Descubrimiento de los Murales de San Bartolo. Museo Popol Yuh, Universidad Francisco Marroquín, Guatemala City, Guatemala, 29 January.

2003 Out of the Mouths of Caves: Preclassic Maya Creation Mythology. Department of Anthropology, Brigham Young University, Provo, Utah, 17 November.

2003 Looters, Murals and Myths: The Earliest Maya Murals at San Bartolo, Guatemala. Haffenreffer Museum of Anthropology, Brown University, Providence, Rhode Island, 12 November.

2003 Sistine Chapel of the Early Maya. Department of Archaeology, Boston University, Boston, Massachusetts, 3 November.

2003 Painting in the Details: The San Bartolo Murals and the Maya Preclassic. Archaeological Institute of America, Memorial Art Gallery, Rochester, New York, 23 October.

2003 Painting in the Details: The San Bartolo Murals and the Maya Preclassic. Patricia and Richard Anawalt Lecture, Archaeological Institute of America, Department of Anthropology, State University of New York at Albany, Albany, New York, 22 October.

2003 Painting in the Details: The San Bartolo Murals and the Maya Preclassic. Ellen Sparry Brush Lecture, Archaeological Institute of America, Department of Anthropology, Columbia University, New York, New York, 20 October.

2003 Painting in the Details: The San Bartolo Murals and the Maya Preclassic. Nadzia Borowski Lecture, Archaeological Institute of America, Department of Anthropology, Hofstra University, Hempstead, New York, 19 October.

2003 Of Myth and Masterpiece: The San Bartolo Mural, Guatemala. Getty Conservation Institute, Los Angeles, California, 14 October.

2003 Proyecto San Bartolo, Results of the 2003 Season. Department of Anthropology, University of California, Riverside, California, 10 October.

2003 Mythic Origins and Secular Realities: 2003 Excavations at San Bartolo. Department of Anthropology, Harvard University, Cambridge, Massachusetts, 1 October.

2003 Putting Us on the Map: Conducting Lowland Maya Settlement Survey from Space. NASA, Marshall Space Flight Center/National Space Science Research Center, Huntsville, Alabama, 18 September.