

**BRADFORD WARREN ANDREWS**

*Department of Anthropology  
Pacific Lutheran University  
Tacoma, WA 98447-003  
Phone: (253) 535-8389, cell: (253) 212-7812  
email: andrewbw@plu.edu*

**EDUCATION**

- 1999 Ph.D., Anthropology. Penn State University.
- 1995 M.A., Anthropology. Penn State University.
- 1986 B.A., Anthropology. Ft. Lewis College, Durango, Colorado.

**TEACHING POSITIONS**

- 2010 Full-time Assistant Professor, Pacific Lutheran University (fall to present)
- 2005-2010 Full-time Visiting Assistant Professor, Pacific Lutheran University
- 2002 Part-time Lecturer, Clarion University (March - May)
- 2000-2001 Full-time Lecturer, Penn State University.
- 1999 Part-time Lecturer, Penn State University

**PUBLICATIONS**

*Edited Volumes*

Hirth, Kenneth and Bradford Andrews

- 2002 *Pathways to Prismatic Blades, A Study in Mesoamerican Obsidian Core-blade Technology*. The Cotsen Institute of Archaeology, UCLA.

*Peer Reviewed Journal Articles*

Andrews, Bradford W.

- 2012 La habilidad de los artesanos de navajas prismáticas y su relación con la intensidad productiva: un análisis comparativo de datos del periodo clásico en Teotihuacán y del periodo epiclásico en Xochicalco (The Skill of Prismatic Blade Making Craftsmen and its Relationship to Productive Intensity: A Comparative Analysis of Data from Classic Period Teotihuacan and Epiclassic Period Xochicalco). *Revista Cuicuilco* 19(54):9-34.

Greubel, Rand A., Alan D. Reed, and Bradford W. Andrews

- 2009 Gaining Ground on the Gateway Tradition: Analysis of Materials from the Weimer Ranch, a Prehistoric Farming Community in West-Central Colorado. *Colorado Archaeology* 75(1&2):30-61.

Andrews, Bradford, Hannah Tofte, and David Huelsbeck

- 2008 The Helipad Lithic Assemblage: Defining Occupational Trends in the Southern Cascades. *Archaeology in Washington* 14:36-58.

Andrews, Bradford, and Rand A. Greubel

- 2008 Flaked Stone Tool Patterning as a Means for Inferring Fremont Obsidian Procurement Behavior at Hunchback Shelter. *Journal of California and Great Basin Anthropology* 28(2):23-41.

Greubel, Rand A., and Bradford W. Andrews

- 2008 Hunchback Shelter: A Fremont Lithic Production Site in the Mineral Mountains of Eastern Utah. *Journal of California and Great Basin Anthropology* 28(2):43-61.

Andrews, Bradford

2004 Sayil Revisited: Inferring Terminal Classic Population Size and Dynamics in the West-Central Yucatán Peninsula. *Human Ecology* 32(5):593-613.

Andrews, Bradford, Timothy Murtha, Jr., and Barry Scheetz

2004 Approaching the Hatch Jasper Quarry from a Technological Perspective: A Study of Prehistoric Stone Tool Production in Central Pennsylvania. *Midcontinental Journal of Archaeology* 29(1):63-101.

Nosaka, Akiko and Bradford Andrews

2004 Institutionalized Powerlessness in Context: The Static and Dynamic Nature of Women's Status in Rural Bangladesh. *Journal of International Women's Studies* 6(1):148-167.

### **Other Journal Articles**

Andrews, Bradford, Heather Mrzlack, Marilyn Martorano, Ted Hofer III, and Wade Broadhead

2004 Modeling Late Archaic/Late Prehistoric Settlement and Subsistence in the San Luis Valley, Colorado. *Southwestern Lore* 70(1):1-16.

### **Chapters (peer reviewed)**

Andrews, Bradford

2006 Skill and the Question of Blade Crafting Intensity at Classic Period Teotihuacan. In *Skilled Production and Social Reproduction: Aspects on Traditional Stone-Tool Technologies*, edited by J. Apel and K. Knutsson. Societas Archaeologica Upsaliensis, Uppsala, Sweden.

Andrews, Bradford W., and Kenneth G. Hirth

2006 Patterns of Stone Tool Consumption in Xochicalco's Civic-Ceremonial Core. In *Obsidian Craft Production in Ancient Central Mexico: Archaeological Research at Xochicalco*, edited by K. Hirth. University of Utah Press, Salt Lake City, Utah.

Hirth, Kenneth G., and Bradford W. Andrews

2006 Craft Specialization and Craftsman Skill. In *Obsidian Craft Production in Ancient Central Mexico: Archaeological Research at Xochicalco*, edited by K. Hirth. University of Utah Press, Salt Lake City, Utah.

Hirth, Kenneth G., Bradford W. Andrews, and Jeffrey J. Flenniken

2006 A Technological Analysis of Xochicalco Obsidian Prismatic Blade Production. In *Obsidian Craft Production in Ancient Central Mexico: Archaeological Research at Xochicalco*, edited by K. Hirth. University of Utah Press, Salt Lake City, Utah.

Hirth, Kenneth G., and Bradford W. Andrews

2006 Estimating Production Output in Domestic Craft Workshops. In *Obsidian Craft Production in Ancient Central Mexico: Archaeological Research at Xochicalco*, edited by K. Hirth. University of Utah Press, Salt Lake City, Utah.

Andrews, Bradford

2003 Measuring Prehistoric Craftsman Skill: Contemplating its Application to Mesoamerican Core-Blade Research. In *Experimentation and Interpretation in Mesoamerican Lithic Technology*, edited by K. Hirth, pp. 208-219. University of Utah Press, Salt Lake City, Utah.

Hirth, Kenneth, Bradford Andrews, and Jeffrey Flenniken

2003 The Xochicalco Production Sequence for Obsidian Prismatic Blades: Technological Analysis and Experimental Inferences. In *Experimentation and Interpretation in Mesoamerican Lithic Technology*, edited by K. Hirth, pp. 182-196. University of Utah Press, Salt Lake City, Utah.

Hirth, Kenneth, Peter Kelterborn, Jacques Pelegrin, and Bradford Andrews

2003 Experimentation and Interpretation in Mesoamerican Lithic Technology: A Look to the Future. In *Experimentation and Interpretation in Mesoamerican Lithic Technology*, edited by K. Hirth, pp. 234-238. University of Utah Press, Salt Lake City, Utah.

Andrews, Bradford

2002 Stone Tool Production at Teotihuacan: What More Can We Learn from Surface Collections? In *Pathways to Prismatic Blades*, edited by K. Hirth and B. Andrews. The Cotsen Institute of Archaeology, UCLA.

Hirth, Kenneth and Bradford Andrews

2002 Introduction. In *Pathways to Prismatic Blades*, edited by K. Hirth and B. Andrews. The Cotsen Institute of Archaeology, UCLA.

Hirth, Kenneth, Jeffrey Flenniken, and Bradford Andrews

2000 Flaked Obsidian Tools and their Behavioral Implications. In *Archaeological Investigations at Xochicalco. Results of the Xochicalco Mapping Project*, volume 2, edited by K. G. Hirth, pp 136-150. University of Utah Press, Salt Lake City, Utah.

### **Chapters and Reports (not peer reviewed)**

Andrews, Bradford W.

2008 Stone Tools in Mesoamerica. In *Encyclopedia of the History of Science, Technology and Medicine in Non-Western Cultures*, 2<sup>nd</sup> Edition, edited by Helaine Selin. Vol. 2, pp. 2029-2042. Springer, Berlin.

Andrews, Bradford, Marilyn Martorano, Ted Hoefer III, and Heather Mrzlack

2004 Late Archaic/Late Prehistoric Archaeological Features: Exploring the Implications of Recent Data from the Great Sand Dunes Monument and Preserve. In *Ancient and Historic Lifeways in North America's Rocky Mountains: Proceedings of the 2003 Rocky Mountain Anthropological Conference, Estes Park, Colorado*, edited by R.H. Brunswig and W.B. Butler. Department of Anthropology, University of Northern Colorado, Greeley, Colorado.

Andrews, Bradford

2002 *Stone Tools and the Elite Political Economy at Epiclassic (A.D. 650-900) Xochicalco*. Final Report to FAMSI for Research Grant No. 01029. <http://www.famsi.org/reports/01029/index.html> (posted December 5th 2002).

Hirth, Kenneth and Bradford Andrews

1998 La reocupación durante el clásico. In *Proyecto Tetimpa, cuarto temporada, junio-agosto 1997*, edited by G. Uruñuela, P. Plunkett, and G. Hernandez, pp. 78-89. Informe tecnico al consejo del arqueología, INAH, UDLA, Cholula, Puebla.

Andrews, Bradford

1996 The Early Teotihuacan Period Ceramics from Venta de Carpio. In *The Teotihuacan Valley Project Final Report - Vol. 3, The Teotihuacan Period Occupation of the Valley, Part 4, Special analyses, Miscellaneous Appendices, and Volume Bibliography*, edited by William T. Sanders, pp. 733-792. Occasional Papers in Anthropology, No. 22. The Pennsylvania State University, University Park, Pennsylvania.

Hirth, Kenneth, Bradford Andrews, Ma. E. Becerril, and Charles Carpenter

1994 Proyecto Xochicalco - Litica: Investigaciones en 1992 y 1993. In *El tercer congreso interno del centro regional de Morelos*. INAH, Cuernavaca.

### **Book Reviews**

Andrews, Bradford

2008 Intermediate Elites in Pre-Columbian States and Empires. *Latin American Antiquity* 19(1):99-100.

2007 Chimney Rock: The Ultimate Outlier. *Southwestern Lore: Journal of Colorado Archaeology* 73(1):38-40.

2003 Olmec Art and Archaeology in Mesoamerica, and Greater Mesoamerica: The Archaeology of West and Northwest Mexico. *Ethnohistory* 50(4):733-737.

**Cultural Resource Management Reports**

Andrews, Bradford W.

2012 The Helipad Lithic Report. Prepared for the US Forest Service, Mt. Baker-Snoqualmie National Forest, Everett, Washington.

Greubel, Rand A., Bradford W. Andrews and Alan D. Reed

2006 *The Weimer Ranch Sites Revisited: Analysis of Materials from a Prehistoric Farming Community in West-Central Colorado*. Prepared for Uncompahgre/Com. Inc, Delta Colorado.

Andrews, Bradford and Jonathan C. Horn

2005 *Addendum to Class III Cultural Resource Inventory of the Beaver Creek-Hoyt-Wiggins-Erie Transmission Line Rebuild Project in Morgan and Weld Counties, Colorado, Alternative Routes and Substation Expansions*. For Western Area Power Administration, Lakewood, Colorado.

Andrews, Bradford and Jonathan C. Horn

2005 *Class III Cultural Resource Inventory of the Beaver Creek-Hoyt-Wiggins-Erie Transmission Line Rebuild Project in Morgan and Weld Counties, Colorado*, For Western Area Power Administration, Lakewood, Colorado.

Andrews, Bradford, David Guilfoyle, Jack Pfertsh, Burr Neely, Anna Backer, and Jason Eckman.

2005 *A Class III Cultural Resource Inventory of the Wasatch Loop Project in Davis, Morgan, and Salt Lake Counties, Utah*, by For the Kern River Gas Transmission Company.

Andrews, Bradford W.

2004 Chapter 12: Lithic Technology and Residential Mobility: A Comparative Diachronic Perspective from the Kern River 2003 Expansion Project. In *Kern River 2003 Expansion Project, Utah – Volume IV, Part 5, Prehistoric Syntheses: Pan Cultural*. By SWCA Environmental Consultants, Salt Lake City and Alpine Archaeological Consultants. Inc., Montrose, Colorado. Prepared for Kern River Gas Transmission Company, Salt Lake City, Utah.

Andrews, Bradford W.

2004 Vegetative Treatments and Their Potential Effects to Cultural Resources. Alpine Archaeological Consultants. Inc. Prepared for Uncompahgre/Com. Inc., Delta, Colorado.

Reed, Alan, Bradford Andrews, and David Strohmaier

2004 Class I Cultural Resource Inventory of the Colorado Segments of the Planned Entrega Gas Pipeline, Rio Blanco, Moffat, and Weld Counties, Colorado. Alpine Archaeological Consultants. Inc. Prepared for HRA Gray & Pape L.L.C., Missoula, MT.

Andrews, Bradford

draft The Behavioral Implications of the Post-Paleo Flaked Stone Debitage at the Great Sand Dunes. In *The Great Sand Dunes Eolian System Anthropological Project: Archaeological Survey and Testing*, edited by Marilyn Martorano. National Park Service, Intermountain Region, Denver, Colorado.

Murtha, Jr., Timothy, Bradford Andrews, Gregory Bondar, and Neil Murray

2001 Final Report: Phases II and III Archaeological Research, Site 36CE238, The Hatch Quarry, Centre County, PA. Penn State Dept. of Anthropology, University Park, PA.

Andrews, Bradford, and Dave Killam

1995 *Cultural Resources Investigation of North Moyer, North Mike, and Agwalt Tunnel, Operable Unit 4, California Gulch Super Fund Site, Lake County, Colorado*. Foothills Engineering Consultants, Inc., Cultural Res. Report No. 18. Golden, CO.

Andrews, Bradford, and Rand Gruebel

1989 *Cultural Resource Inventory of the Pine Hill/Powerline Timber Sale*, and Cultural Resource Inventory of the Grave Marker and Tumble Bug Timber Sales, Uncompahgre National Forest. USDA Forest Service, Grand Mesa, Uncompahgre, and Gunnison Nat. Forests. Delta, CO.

**Manuscripts in Preparation**

Andrews, Bradford, and Rand Greubel

Gateway Tradition Flaked Stone Debitage from the Weimer Ranch: Mixed Technology, Mixed Economy.

Andrews, Bradford

Pre-Postclassic Projectile Technology: Evidence for the Bow at Epiclassic Xochicalco (being prepared for *Latin American Antiquity*).

**GRANTS**

2013 Pacific Lutheran University Wang Center Faculty Research Grant for *Studying the Mesoamerican Bipolar Stone Tool Technology: Gaining Insights for Interpreting Artifacts from Aztec Calixtlahuaca*.

Comparative research to be conducted in Mexico City and Toluca

2012 Severtson Research Fellowship – for student-faculty research: *Late Holocene Use of the Mt Rainier Area: Inferences Drawn from Comparative Flaked Stone Tool Data*.

2011 Pacific Lutheran University Regency Advancement Award for “*Analysis of the Calixtlahuaca Lithic Assemblage, Toluca, Mexico*.”

2008 Severtson Research Fellowship – for student-faculty research: *Berkeley Park Flakes: Inferring Prehistoric Technology, Subsistence, and Settlement on Mount Rainier*.

2007 Severtson Research Fellowship – for student-faculty research: *Academic Activism Through an Educated Lens: Primate Observation to Promote Primate Conservation*.

2005 State Historic Society of Colorado, Application to the State Historic Fund (SHF) for *Cataloging and Analysis of the Weimer Ranch Collections* (I wrote this grant for the Bureau of Land Management and Uncompahgre/Com, Inc. After it was awarded, it was subcontracted to Alpine Archaeological Consultants, Inc., at which point I directed the initial phase of the analysis until leaving for Pacific Lutheran University).

2002 Foundation for the Advancement of Mesoamerican Studies, Inc. (FAMSI) support for *Stone Tools and the Elite Political Economy at Epiclassic (A.D. 650-900) Xochicalco*.

2002 Subsidy Support from the University of Missouri Research Reactor (through their National Science Foundation grant) for *Stone Tools and the Elite Political Economy at Epiclassic (A.D. 650-900) Xochicalco*.

1996 Dissertation research support from the Hill Foundation at The Pennsylvania State University for “*Measuring Labor Investment in Prehistoric Lithic Craft Workshops*.”

**FIELD AND LAB EXPERIENCE**

2013 Analysis of the Calixtlahuaca Lithic Assemblage. At the Colegio Mexiquense, Zinacantepec, Mexico. Two Weeks.

2011 Analysis of the Calixtlahuaca Lithic Assemblage. At the Colegio Mexiquense, Zinacantepec, Mexico. One month.

2010 Analysis of the Calixtlahuaca Lithic Assemblage. At the Colegio Mexiquense, Zinacantepec, Mexico. One month.

2009 Analysis of the Calixtlahuaca Lithic Assemblage. At the Colegio Mexiquense, Zinacantepec, Mexico. One month.

2008 Surface Survey of the Grand Park Area in Mount Rainier National Park. This field work was conducted as a field school for Pacific Lutheran University. One month.

2004 Class III Inventory of the Proposed Erie to Ft. Morgan, Colorado Transmission Line Upgrade. Northeastern Colorado. Two months.

2004 Class III Inventory of the Proposed Entrega Natural Gas Pipeline. Segment in Northwestern Colorado, Two months.

- 2002 Analysis of the Lithic Assemblage from the Acropolis of Xochicalco. At the INAH regional center in Cuernavaca, Morelos. Two months.
- 2001 Field Director/Crew Chief of Survey and Excavations at the Great Sand Dunes National Monument, Colorado. Dir. Marilyn Martorano. Three Months.
- 1999-2000 Director of Lithic Analysis for the Hatch Quarry Site (36CE238) Mitigation Project. Penn State University. One year.
- 1994-1998 Analysis of obsidian artifacts from Epiclassic (A.D. 650-900) Xochicalco. At the INAH regional center in Cuernavaca, Morelos. Eight months.
- 1997 Analysis of obsidian artifacts from Classic (A.D.150-750) Teotihuacan. At the Teotihuacan Mapping Project lab in San Juan Teotihuacan, Mexico. Two months.
- 1997 Field director for excavation of prehistoric agricultural furrows in Tetimpa, Puebla, Mexico. One month.
- 1995 Survey of historic mining sites in Colorado. Foothill Engineering Consultants, Inc., Golden, CO. Dir. Marilyn Martorano. Two months.
- 1993 Excavation of obsidian workshops at Xochicalco, Morelos, Mexico. Dir. Kenneth Hirth. Six months.
- 1992 Test excavation of obsidian concentrations at Xochicalco, Morelos, Mexico. Two months.
- 1991 Crew member, archaeological survey on Ft. Peck Indian Res., Montana, & Uncompahgre Nat.Forest, CO. F.E.C., Inc., Golden, CO. Dir. Marilyn Martorano. Two months.
- 1989-1990 Crew member & lab asst. excavation of Anasazi sites in Montezuma Valley, CO. C.A.S.A., Pleasant View, Colorado. Dir. Mark Hovezak and Ray Harriman. Eleven months.
- 1987-1989 Assistant crew chief & lab asst. archaeological survey & test excavation of sites on the Grand Mesa, Uncompahgre, and Gunnison Nat. Forests, CO. 19 months.
- 1988 Crew chief, surface collection & feature excavation Sayil, Yucatán, Mexico. Dir. Gair Tourtellot. Five months.
- 1986 Crew Member, test excavations at Watford City, ND. Powers Elevation, Denver, Colorado. Dir. Mervin Floodman. One month.

## **DISSERTATION**

- 1999 Craftsman Skill and Specialization: Investigating the Craft Production of Prehispanic Obsidian Blades at Xochicalco and Teotihuacan, Mexico.

### **Abstract**

This study examines the craft production of obsidian blades at the sites of Xochicalco and Teotihuacan, Mexico. Specifically, it measures skill in order to infer levels of labor invested by craft specialists. This research is a move away from conceptualizing craftsman labor as either part-time or full-time. Instead, inferences of labor intensity are used to rank workshops along a continuum of specialization. This approach enables the inference of a wider range of specialist intensity among craft workshops than is possible using the part-time/full-time dichotomy. Detailed information about specialist labor intensity provides us with more accurate reconstructions of prehistoric craft economies.

## **PROFESSIONAL PAPERS OR PRESENTATIONS**

- 2013 Calixtlahuaca Lithic Technology. Presentation for the Calixtlahuaca Project Workshop, School for Human Evolution and Social Research, Arizona State University.
- 2013 Calixtlahuaca Stone Tools: Technological Trends and Their Socioeconomic Implications. Paper to be presented at the 78th Annual Meeting of the Society for American Archaeology, Honolulu, Hawai'i (April 2013).

- 2011 Las herramientas de piedra de Calixtlahuaca: interpretaciones sociopolíticas preliminares de la periferia azteca occidental (Calixtlahuaca Stone Tools: Preliminary Sociopolitical Interpretations from the Western Aztec Periphery). Presentation for the Asociación de Guías de Oaxaca A.C. (Association of Tour Guides, Oaxaca).
- 2011 Calixtlahuaca Stone Tools and Society: Defining Imperial Economic Trends in the Aztec Provinces. Paper presented at the Pacific Lutheran University Faculty Scholarship Dinner
- 2011 Calixtlahuaca Lithics: Preliminary Impressions. Presentation for Calixtlahuaca Project Meeting, School for Human Evolution and Social Research, Arizona State University.
- 2011 Pre-Postclassic Projectile Technology: Evidence for the Bow at Epiclassic (AD 650-900) Xochicalco. Presentation for the University of Washington Anthropology Lecture Series.
- 2011 Expedient Flaked Stone Tools at a Maya Center: Analysis of a Lithic Collection from Baking Pot, Belize. Paper to be Presented at the 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, Sacramento, California (with Laura Johnson, the first author).
- 2010 Calixtlahuaca Obsidian: Initial Reflections of Lithic Technology on the Western Aztec Periphery. Paper Presented at the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, St. Louis, Missouri.
- 2009 Tecnología de la Producción de Herramientas de Obsidiana e Implicaciones para la Economía de Calixtlahuaca. The Colegio Mexiquense, Zinacantepec, Mexico (given in Spanish).
- 2009 Lessons from the Heli-Pad Lithics: Late Holocene Use of the Mount Rainier Area. Paper Presented at the 62<sup>nd</sup> Annual Northwest Anthropological Conference, Newport, Oregon (with Hannah L. Tofte and David R. Huelsbeck).
- 2008 The Heli-Pad Lithics: Defining Occupational Trends in the Southern Cascades. Paper Presented at the 61<sup>st</sup> Annual Northwest Anthropological Conference, Victoria, British Columbia (with Hannah L. Tofte and David R. Huelsbeck).
- 2008 Elites and Stone Tool Economics in Ancient Mesoamerica: The Case of Epiclassic Xochicalco. Paper Presented at the 73<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia.
- 2008 Prehistoric Migration and Ethnic Complexity: A Case for Cultural Hybridity North of the Greater Mesa Verde Region. Presentation given as part of the Perspectives in the Social Sciences Lecture Series, Pacific Lutheran University.
- 2007 Pre-Postclassic Projectile Technology: Evidence for the Bow at Epiclassic Xochicalco. Paper Presented at the 106<sup>th</sup> Annual Meeting of the American Anthropological Society, Washington D.C.
- 2007 The Gateway Phenomenon: A Punctuated Formative Development Linked to Inter-Regional Population Dynamics? Paper Presented at the 72<sup>th</sup> Annual Meeting of the Society for American Archaeology, Austin, Texas.
- 2007 Refining Our Reflections of the Gateway Tradition: Recent Lessons from the Forgotten Weimer Ranch Collections. Paper presented at the Colorado Council for Professional Archaeologists 2007 Annual Meeting, Glenwood Springs, Colorado
- 2006 Searching for the Aztecs. Public lecture given at Pacific Lutheran University, Tacoma, Washington.
- 2006 Expanding our Perspective on the Gateway Tradition: New Information from the Weimer Ranch Collections. Paper Presented at the 30<sup>th</sup> Great Basin Anthropological Conference, Las Vegas, Nevada.
- 2006 Aztec Warfare. Invited guest lecturer at Bellevue Community College, Bellevue, Washington.
- 2005 The Behavioral Implications of the Hunchback Shelter Flakes: Modeling Fremont Stone Tool Procurement and Consumption. Paper Presented at the 70<sup>th</sup> Annual Meeting of the Society for American Archaeology, Salt Lake City, Utah.
- 2004 Exploring the Aztecs. Presentation for the Arapahoe Library District, Smoky Hill Branch, Denver, Colorado.

- 2004 Debitage Patterning as a Means of Inference: Fremont Obsidian Procurement and Processing at the Hunchback Shelter. Paper Presented at the 29<sup>th</sup> Great Basin Anthropological Conference, Sparks, Nevada (with Rand A. Greubel).
- 2004 A Formative-period Logistical Obsidian Workshop in the Mineral Mountains: Evidence for Fremont Lithic Craft Specialization? Paper Presented at the 29<sup>th</sup> Great Basin Anthropological Conference, Sparks, Nevada (second author with Rand A. Greubel)
- 2004 Heat Treatment and Jasper Color Change: Implications for Understanding the Prehistoric Use of Bald Eagle Jasper in Central Pennsylvania. Paper Presented at the Inaugural Archaeological Sciences of the Americas Conference, Tucson, Arizona (with Barry Scheetz).
- 2004 Skill and the Question of Blade Crafting Intensity at Classic Period Teotihuacan. Paper Presented at the 69<sup>th</sup> Annual Meeting of the Society for American Archaeology, Montreal, Quebec, Canada.
- 2004 Aztec Precursors: Searching for the Origins of the Central Mexican Imperialist System. Presentation for the Chipeta Chapter of the Colorado Archaeological Society. Montrose, Colorado.
- 2003 Stone Tools and the Xochicalco Elites: Examining Issues Related to Raw Material Acquisition and Consumption. Paper presented at the 102<sup>nd</sup> Annual Meeting of the American Anthropological Association, Chicago, Illinois (with Kenneth Hirth, and Michael Glascock).
- 2003 Late Archaic/Late Prehistoric Archaeological Features: Exploring the Implications of Recent Data from the Great Sand Dunes National Monument and Preserve. Paper presented at the biannual Rocky Mountain Anthropological Conference, Estes Park, Colorado. (with Marilyn Martorano, Heather Mrzlack, and Ted Hofer III)
- 2003 Altepeltl Economics: The Integrated Stone Tool Economy of Epiclassic Xochicalco. Paper Presented at the 68<sup>th</sup> Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin.
- 2002 Measuring the Skill of Core-Blade Knappers at Xochicalco. Invited Guest Lecturer for the Department of Archaeology and Ancient History, University of Uppsala, Sweden.
- 2002 Conquest and Sacrifice: Tracing the Origins of the Aztec Empire. Visiting Professor Lecture, Clarion University, Clarion, Pennsylvania.
- 2000 An Overview of the Lithic Technology of Teotihuacan. Presentation for the International Mesoamerican Obsidian Blade Conference, Penn State University, Pennsylvania.
- 2000 Prehistoric Craftsman Skill: Can it be Measured? Presentation for the International Mesoamerican Obsidian Blade Conference, Penn State University, Pennsylvania.
- 2000 You Can't Always get what you Want: Recent Research at a Quarry Site. Presentation for the Society of Pennsylvania Archaeology, Williamsport, Pennsylvania (with Timothy Murtha).
- 1999 Xochicalco: Urban and Political Integration During the Epiclassic. Presentation for the Sixth Annual Symposium of the Pre-Columbian Society of Washington D.C.
- 1999 The Interdependency of the Bifacial and Pressure Blade Industries at Teotihuacan. Paper Presented at the 64th Annual Meeting of the Society for American Archaeology, Chicago, Illinois.
- 1998 Measuring Craft labor Investment Using Artifact Quantity and Quality. Paper presented at the 7th Annual Meeting of the American Anthropological Association, Philadelphia, Pennsylvania.
- 1997 Civilization in the Basin of Mexico, A.D. 100 to 1520. Invited Lecturer for the International Science Seminar Lecture Series, Sponsored by the International Exchange Committee. Yokohama City University, Yokohama, Japan.
- 1997 Inferring Craft Labor Intensity in Xochicalco's Epiclassic Obsidian Blade Workshops. Paper presented at the 62nd Annual Meeting of the Society for American Archaeology, Nashville, Tennessee.



**CLASSES TAUGHT**

Introduction to Anthropology  
Introduction to Archaeology  
Introduction to Physical Anthropology (with lab)  
Introduction to North American Archaeology  
North American Prehistory (upper division undergraduate)  
Ancient Empires  
The Aztecs, Mayas, and Their Predecessors  
Senior Seminar: Theory (co-taught)  
Senior Seminar: Methods (co-taught)  
Ethnology of North American Indians  
Edible Landscapes: The Foraging Way of Life  
Archaeological Lab Methods  
Archaeology: The Field Experience  
Environmental Studies: Capstone Course

**SKILLS**

Relational Databases (Paradox)  
Presentation Software (Power Point)  
Statistical Analysis (SPSS software)  
Digital Manipulation (Adobe Photoshop)  
Artifact Illustration

**MEMBERSHIPS**

Register for Professional Archaeologists (RPA)  
Society for American Archaeology  
Colorado Council for Professional Archaeologists  
Association for Washington Archaeology (AWA)

**PROFESSIONAL DEVELOPMENT**

Course on Section 106 Compliance. *Section 106: Principals and Practice. A Continuing Education in Cultural Resource Management Workshop from the SRI Foundation.*  
Taught by Lynne Sebastian, Ph.D., RPA. (February 2004).  
Course in College Teaching-Certificate of Participation. Offered by the Center for Excellence in Learning and Teaching, Penn State University (summer 2000).

**RESEARCH INTERESTS**

Lithic Technology  
Cultural Ecology  
Craft Production  
New World Complex Societies (emphasis Highland Mesoamerica)  
Great Basin, Montane (western US), and Pacific Northwest Foragers & Semi-Sedentary Farmers