

E. S. Lohse  
Academic Vita  
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## **Education**

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- 1981 Ph.D. in Anthropology, University of Utah
- 1977 M.A. in Anthropology, University of Utah
- 1975 B.A. in Anthropology, California State University, Chico; Minor in Classical History
- 1971 Certificate of Graduation, Orland Joint Union High School, Orland, California; California Scholastic Federation Sealbearer; Bank of America Achievement Award in the Social Sciences

## **Professional Positions**

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### Current Roles:

- Professor, Department of Anthropology, Idaho State University
- Senior Scientist, Idaho Museum of Natural History

### Academic:

- 1998- Professor, Department of Anthropology, Idaho State University
- 1994-98 Associate Professor, Department of Anthropology, Idaho State University
- 1989-94 Assistant Professor, Department of Anthropology, Idaho State University
- 1987-89 Instructor, Division of Continuing Education, Montgomery Community College, Rockville, Maryland
- 1983 Adjunct Instructor, Division of Continuing Education, Central Washington University, Ellensburg, WA.
- 1979-81 Instructor, Division of Continuing Education, University of Utah, Salt Lake City, UT.

### Administrative:

- 2008-10 Acting Director, Idaho Museum of Natural History
- 2005-10 Chair, Department of Anthropology
- 2003-05 Associate Chair, Department of Anthropology
- 2004-06 Director of the Graduate Program, Department of Anthropology, Idaho State University
- 2003- Associate Director, Informatics Research Center, Idaho State University
- 1998-10 Director, Earl R. Swanson Archaeological Repository
- 1998-02 Interim Director, Idaho Museum of Natural History
- 1989- Curator of Anthropology and Division Head, Idaho Museum of Natural History

### Other Professional Positions:

- 1984-89 Research Scientist, Handbook of North American Indians, Department of Anthropology, Smithsonian Institution, Washington, D.C.
- 1982-84 Research Scientist, Office of Public Archaeology, University of Washington, Seattle.
- 1979 Archaeologist (GS-11), Bureau of Land Management, Winnemucca District, Winnemucca, Nevada.
- 1977-81 Research Assistant, Department of Anthropology, University of Utah
- 1976-81 Archaeologist, Archaeological Center, University of Utah, Salt Lake City, UT.
- 1976 Archaeologist (GS-5), National Park Service, Lake Powell, Page, AZ.
- 1974-76 Archaeologist, Archaeological Survey, California State University, Chico, CA.

### Professional Service

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- 2004-07 Member, Affirmative Action Committee, Idaho State University
- 1989- 10 Board Member, Idaho Archaeological Survey
- 2004-05 Member, Faculty Senate, Idaho State University
- 2004-06 Member, Research Coordinating Council, Idaho State University
- 2004-05 Member, Core Curriculum Committee, College of Education, Idaho State University
- 2002-05 Coach and Faculty Advisor, Idaho State University Men's Soccer Club
- 1997-01 Member, Faculty Research Committee, Idaho State University
- 1997-99 Board Member, GIS Center, Idaho State University
- 1993-98 Editor, Tebiwa, Journal of the Idaho Museum of Natural History
- 1993-97 Member, ISU Campus Planning Committee (Chairman, 1996-97)
- 1993-98 Member, Steering Committee, Center for Environmental Anthropology, Idaho State University
- 1993-95 Executive Board Member, Alliance for Idaho Geography
- 1993-95 State Advisor, Idaho Archaeological Society
- 1991-95 Director of the Graduate Program, Department of Anthropology, Idaho State University
- 1989-95 Great Rift Chapter Advisor, Idaho Archaeological Society
- 1989-93 Member, Steering Committee, Northern Intermountain Quaternary Institute, Idaho Museum of Natural History

### Professional Memberships

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- 1976- Society for American Archaeology
- 2002- World Archaeological Congress
- 2003- Society for Experimental Archaeology

## **Reviewer, Professional Societies**

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- 2010- Member, NEH Panel Reviewer, Division of Preservation and Access
- 2004- Member, Editorial Review Board, Association for the Advancement of Computing in Education
- 2002- Site evaluator, Idaho Humanities Council
- 2002- Grant Reviewer, Institute of Museum and Library Services
- 2001- Editor, Journal of the Idaho Academy of Science
- 1999- Reviewer for NOAA National Sea Grant College Program
- 1999- Reviewer for journal Lithic Technology
- 1998- Grant application reviewer for Archaeology Division, National Science Foundation
- 1994- Reviewer for journal Ethnohistory
- 1992- Reviewer for journal American Antiquity

## **Professional Recognition**

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- 1993 Idaho State University Award for Outstanding Public Service
- 1990 Fellow, American Anthropological Association

## **Research Interests**

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My current research emphasizes archaeoinformatics, use of artificial intelligence in manipulation and classification of data, complex system modeling, and other aspects of robust intelligence applied to data handling.

### Synergistic activities:

- 2008- As Acting Director, led dramatic reorganization of the Idaho Museum of Natural History, including re-staffing, building renovation, and submission of an American Association of Museums accreditation report in answer to AAM accreditation review critique.
  
- 2008- Acting as coordinator in developing a Quaternary Research Group on the Idaho State University campus, involving faculty from ISU natural science departments, and participating faculty from USGS-University of Arizona, Boise State University, University of Arkansas and the University of Texas.
  
- 2008- Acting as co-coordinator with Dr. Corey Schou, at the direction of the ISU President to develop a more far reaching interdisciplinary informatics focus on the Idaho State University campus.
  
- 2007 Northern Plains Projectile Point Typology Workshop; E.S. Lohse, K. Turley-Ames, C. Schou, A. Strickland, D. Sammons and J. Frost. Funded by the Idaho State University Humanities and Social Sciences Research Committee.

Simplot Decision Center, Idaho State University. September.

- 2007 Knowledge elicitation workshop to build an automated classification system for Clovis assemblages, Gault Site, Texas; E.S. Lohse, K. Turley-Ames, C. Schou, A. Strickland and K. Lohse. Funded by the Informatics Research Institute and the Office of Research, Idaho State University. February.

## **Published Papers, Reports and Monographs**

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### **Refereed Articles:**

- 2010 Description of the Smith Cache, Site 10-Fm-481, with D. Sammons and C. Moser. *Idaho Archaeologist* 33(1): 1-10.
- 2008 The Southern Columbia Plateau Projectile Point Sequence: An Informatics-Based Approach, with C. Schou. *Projectile Point Sequences in Northwestern North America*, pp. 187-208, edited by Roy Carlson and Marty Magne. Burnaby, B.C.: Simon Fraser University Archaeology Press.
- 2007 Collaborative concept mapping: Using cognitive systems engineering to explore expert knowledge, with D. Sammons, K. Lohse, and A.W. Strickland. *Proceedings of the World Conference on Educational Multimedia, Hypermedia & Telecommunications 2007*, pp. 4144-4148, edited by C. Montgomerie and J. Seale. Chesapeake, VA: AACE
- 2005 Developing Archaeological Informatics: A Proposed Agenda for the Next Five Years, with D. Sammons, C. Schou, A. Strickland, and R. Schlader. *Proceedings of the 2004 Computer Applications in Archaeology Conference, BAR International Series*, N. Niccolucci (ed.).
- 2005 Helping on-line learners construct mental models of physical systems, with D. Sammons. *Proceedings of ED-MEDIA: World Conference on Educational Multimedia, Hypermedia & Telecommunications*, pp. 2321-2327, Montreal, Canada, June, 2005.
- 2004 Automated Classification of Stone Projectile Points in a Neural Network, with C. Schou, A. Strickland, D. Sammons and R. Schlader. In Magistrat der Stadt Wien – Referat Urtuelleres Erbe – Stadarchaeologie Wien (eds.), *Enter the Past: The E-Way into the four Dimensions of Cultural Heritage, BAR International Series* 1227, pp. 431-433. Oxford.
- 2002 DIGITAL STONES: Teaching an archaeological lab course on-line. *Internet Archaeology* 12 (April). Available through subscription at <http://intarch.ac.uk/journal/issue12/Lohse.html>
- 2002 Reclaiming old data: The Wasden site project, with Jason Anderson. In

- Goran Burenhult and Johan Arvidsson (eds.), *Archaeological Informatics: Pushing the Envelope*, BAR International Series 1016, pp. 483-490. Oxford.
- 2001 Anthropology 491: Teaching an on-line laboratory course, with D. Sammons and R. Schlader. *Proceedings of ED-MEDIA 2001, World Conference on Educational Multimedia, Hypermedia & Telecommunications*, edited by Craig Montgomerie and Jarmo Viteli, pp. 1628-1630. Washington, D.C.: Association for the Advancement of Computing in Education.
- 1998 A computerized data base for lithic use-wear analysis, with D. Sammons. In *Archaeology in the Age of the Internet: Proceedings of the 1997 Computer Applications in Archaeology Conference*, V. Gaffney ed. BAR International Series 750, Oxford. CD-Rom available.
- 1998 History of Research, with Roderick Sprague. In "Columbia Plateau," Deward Walker (vol. ed.), *Handbook of North American Indians* Vol. 12, William C. Sturtevant (general editor), pp. 8-28. Smithsonian Institution, Washington, D.C.
- 1996 A computerized descriptive system for functional analysis of stone tools. *Tebiwa* 26(1):3-66.
- 1995 Northern Intermountain West projectile point chronologies. *Tebiwa* 25(1):3-51.
- 1994 Southeastern Idaho archaeology: Status and stasis, with D. Sammons. *Idaho Archaeologist* 17(2):35-46.
- 1994 The Southeastern Idaho Prehistoric Sequence. *Northwest Anthropological Research Notes* 28:137-160.
- 1991 Fort Hall and the Shoshone-Bannock. In "Fort Hall and the Shoshone-Bannock", E.S. Lohse (ed.), *Rendezvous* 26(1):7-17.
- 1990 Aviator's Cave. *Idaho Archaeologist* 12(2):23-28.
- 1990 History of Research: Museum Collections, with Frances Sundt. In "Northwest Coast," Wayne Suttles (volume editor), *Handbook of North American Indians* Vol. 13, William C. Sturtevant (general editor), pp. 88-97. Smithsonian Institution, Washington, D.C.
- 1989 Trade Goods and the American Indian. In "Indian-White Relations," Wilcomb Washburn (volume editor), *Handbook of North American Indians* Vol. 4, William C. Sturtevant (general editor), pp. 396-403. Smithsonian Institution, Washington, D.C.

- 1987 Sedentism on the Columbia Plateau: A Matter of Degree Related to the Easy and Efficient Procurement of Resources, with D. Sammons-Lohse. *Northwest Anthropological Research Notes* 20(2):115-136.
- 1985 Rufus Woods Lake Projectile Point Chronology. In Summary of Results: Chief Joseph Dam Cultural Resources Project, Washington, Sarah Campbell (editor), pp.317-364. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle.
- 1981 Various chapters, "Bull Creek," Jesse D. Jennings and D. Sammons-Lohse (editors). Site reports: Gnat Haven, pp. 25-28; Ninas Hill, pp.28-33; North Point, pp. 33-42; The Playa Site, pp. 52-55; Hillside Cache, pp.55-62, Blake Harper, Co-author; Artifact analysis sections: Ceramics, pp. 75-93; Ground Stone, pp. 96-100, Barbara Walling, Co-author; Faunal Remains, pp. 100-103, Bruce Larson, Co-author. University of Utah Anthropological Paper No. 105.
- 1980 Fremont Architectural Variation and Settlement Pattern. *Antiquities Section Selected Papers* 7(16):45-54. Salt Lake City, Utah.

Other Articles:

- 2000 Don Crabtree: Idaho's Own Expert Stone Tool Maker. *Tebiwa* 27(2):1-44.
- 1984 The Development of Housepit Settlements: An Interpretation of Cultural Change on the Columbia Plateau, with M.E.W. Jaehnig. *The Thunderbird* 4(9): 6-8.
- 1980 Falemoa and Crooked Palm site reports. In "Final Report of the University of Utah Samoa Archaeological Program, 1976-1977, Jesse D. Jennings ed. *Pacific Anthropological Records* No.32. Bishop Museum, Honolulu.
- 1978 Rattler Run Site Report. In "Preliminary Report of the 1978 Archaeological Excavations at Nawthis Village", Jesse D. Jennings ed., *University of Utah Special Report*, Salt Lake City, UT.
- 1977 The Falemoa Site and the Crooked Palm Site. In "University of Utah Samoan Archaeological Program 1977", Jesse D. Jennings ed. *Special Report of the University of Utah Museum of Natural History and Department of Anthropology*, University of Utah.

Monographs and Technical Reports:

- 2010 Idaho Museum of Natural History Accreditation Final Report. Report to the American Association of Museums. Idaho Museum of Natural History. Successful in achieving AAM accreditation. Awarded through 2023.

- 2008 Idaho State University Department of Anthropology Technical Paper 08-2: Description of the Smith Cache, Site 10-Fm-481, by E.S. Lohse, D. Sammons and C. Moser.
- 2008 Idaho State University Department of Anthropology Technical Paper 08-1: 2007 Archaeological Testing of the Buried Beach Site (10 CA 986), Addendum to Technical Paper 07-4, Latrine Site, under contract with Idaho State Historic Preservation Office, by E.S. Lohse, G. Thackray, P. Santarone, and C. Moser
- 2007 Archaeological Testing of Site 10-EL-231, Bancroft Springs, under contract with Idaho Power, E.S. Lohse and D. Sammons, Idaho State University, Department of Anthropology, Technical Paper 07-01.
- 2007 Archaeological Testing of Site 10-JE-121, under contract with Idaho Power, E.S. Lohse and D. Sammons. Idaho State University, Department of Anthropology, Technical Paper 07-2.
- 2007 Archaeological Testing of Site 10-JE-128, under contract with Idaho Power Company, E.S.Lohse and D. Sammons, Idaho State University, Department of Anthropology, Technical Paper 07-3.
- 2007 Archaeological Testing of Site 10-CA-00, Buried Beach Site, under contract with the Idaho State Historic Preservation Office, E.S. Lohse and D. Sammons, Idaho State University, Department of Anthropology, Technical Paper 07-04.
- 2007 Archaeological Testing of Site 10-CA-1010, under contract with the Idaho State Historic Preservation Office, E.S.Lohse and D. Sammons, Idaho State University, Department of Anthropology, Technical Paper 07-5.
- 2006 Shock and Awe Rockshelter (10-CA-1022), under cobtract with the Idaho State Historic Preservation Office, E.S. Lohse, E.S. Lohse, P. Santarone, B. Benson, C.W. Clellan, C. Cordell, D. Ellis, R. Hitchcock, and N. Holmburg.. Report in fulfillment of a cooperative agreement between the City of Rocks National Park Service Reserve, the Idaho State Historical Society, and Idaho State University. Idaho State University, Department of Anthropology, Technical Paper 06-1.
- 1998 Manual for Archaeological Analysis: Field and Laboratory Analysis Procedures. Archaeological Survey Miscellaneous Paper 98-1 (revised). Portions online at <http://www.isu.edu/~lohserne/>
- 1993 Manual for Archaeological Analysis: Field and Laboratory Analysis Procedures. Department of Anthropology Miscellaneous Paper 92-1 (revised).

- 1991 Test excavations at Site 10-OE-3781, the Bruneau River Take-Out Site. Northern Intermountain Quaternary Institute Archaeological Reports No. 91-2. Report to the U.S. Bureau of Land Management, Bruneau Resource Area, Boise District.
- 1984 Archaeological Investigations at Site 45-OK-11, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 350pp.
- 1984 Archaeological Investigations at Site 45-DO-326, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 170pp.
- 1984 Archaeological Investigations at Sites 45-DO-242 and 45-DO-243, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 221 pp.
- 1984 Archaeological Investigations at Site 45-DO-282, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 142pp.
- 1984 Archaeological Investigations at Site 45-DO-21 1, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 166pp.
- 1984 Archaeological Investigations at Site 45-DO-204, Chief Joseph Dam Reservoir, Washington. Report to the U.S. Army Corps of Engineers. Office of Public Archaeology, University of Washington, Seattle. 166pp.
- 1981 A Structural Analysis of Northwestern Great Basin Prehistory. Unpublished PhD dissertation, Department of Anthropology, University of Utah, Salt Lake City, UT.
- 1979 Prehistoric Adaptation in the Black Rock Desert-High Rock Country of Northwestern Nevada. Report to the U.S. Bureau of Land Management, Winnemucca District, Winnemucca, NV. 326pp.

Digital Publications:

- 2008 *Don Crabtree: A Reader in Stone*. Gold and silver editions. 2 DVD set of Crabtree films and articles. Informatics Research Institute, Idaho State University and the Idaho Museum of Natural History.
- 2004 Automated Classification of Stone Projectile Points in a Neural Network, with C. Schou, A. Strickland, D. Sammons and R. Schlader. CD-ROM accompanying Proceedings of the 2003 Computer Applications in

- Archaeology Conference, Magistrat der Stadt Wien – Referat Ulturelles Erbe – Stadarchaeologie Wien (eds). BAR International Series 1227, pp. 431-433. Oxford.
- 2002 Reclaiming old data: The Wasden site project, with Jason Anderson. CDROM accompanying Proceedings of the 2001 Computer Applications in Archaeology Conference, Goran Burenhult and Johan Arvidsson (eds.). BAR International Series 1016, Oxford.
- 1999 A computerized data base for lithic use-wear analysis, with D. Sammons. CD-ROM accompanying "Proceedings of the 1997 Computer Applications in Archaeology Conference," V. Gaffney (ed.). BAR International Series S750, Oxford.
- 1998 *Digital Stones: A Guide to Analysis of Stone Tools*. Beta-version of CD-ROM, with D. Sammons. Laboratory for Archaeological Digital Imaging, Idaho State University. Built as a website in WebCT for teaching stone tool analysis in a virtual environment, 1998-2002.

#### Papers in Preparation:

- nd The Buried Beach site: A 12,000 Year Old Paleontian Occupation in South-central Idaho. Co-authors, James Feathers, Ken Kvamme, Coral Moser, Paul Santarone, and Glen Thackray.
- nd Using Knowledge Elicitation Techniques to Examine Experts View of Clovis Reduction: The Gault Site Assemblage. Co-authors, Michael Collins, Andrew Hemmings, Keith Lohse, Coral Moser, D. Sammons, and Corey Schou.
- nd The Western Stemmed Point Tradition Re-defined Using Artificial Intelligence: Training SIGGI-AACS. Co-authors, Coral Moser and Corey Schou.
- nd The ISU 2008 Plains Typology Conference: Experts Train an AI Classification System. Co-authors, Keith Lohse, D. Sammons, Corey Schou and Kandi Turley-Ames.

#### Papers, Posters, Symposia and Workshops Presented

- 2010 *The Buried Beach Site: A 13,000 Year Old Windust Phase Site in South-central Idaho*. E.S. Lohse, P. Santarone, D. Sammons, G. Thackray, and C. Moser. Paper presented at the 63rd Northwest Anthropology Conference Ellensburg, Washington.

- 2008 *Don Crabtree: A Reader in Stone*. Multimedia DVD 2 volume set. Presented at the 2008 Plains Anthropological Conference, University of Wyoming, Laramie.
- 2008 DIGITAL STONES: A Guide to Analysis of Stone Tools, with D.Sammons. Presented at the 2008 Plains Anthropological Conference, University of Wyoming, Laramie.
- 2008 *The Smith Cache: A Look into a Knapper's bag c. 1200 B.P*, with C. Moser and D.Sammons. Presented at the 2008 Plains Anthropological Conference, University of Wyoming, Laramie.
- 2008 *Construction of a Projectile Point Classification for the Northwestern Plains Through a Knowledge Elicitation Protocol Utilizing a Computer-based Anonymous Decision Tool, "SIGGI-AACS,"* with D. Sammons, C. Schou, K. Turley-Ames and K. Lohse. Presented at the 2008 Plains Anthropological Conference, University of Wyoming, Laramie.
- 2008 *TARL Knowledge Elicitation, 2006-07*, with C. Schou, K. Turley-Ames, and D.Sammons. Presented at the 2008 Plains Anthropological Conference, University of Wyoming, Laramie.
- 2007 *"The Oldest, Least Significant Site" ... or Recovering Detailed Information on Prehistoric Reduction of Quartzite Boulders, The Buried Beach Site, Castle Rocks, Idaho*, Paul Santarone and Coral Moser, co-authors. Paper presented at the 63rd Plains Anthropology Conference, Jackson Hole, Wyoming, October 25-28.
- 2007 *Archaeological Classification Explored: The Gault Site*, E.S.Lohse, C. Schou, K. Turley-Ames, K. Lohse, A. Strickland, and P. Santarone, co-authors. Paper presented at the 2007 Society for American Archaeology Meeting, Austin, Texas.
- 2006 *Graphical Representations and Expertise: Archaeological Types*. Authors: E.S. Lohse, K. Turley-Ames, C. Schou, A. Strickland, D. Sammons, and J. Frost. Paper presented at the 59th Annual Northwest Anthropological Conference: "Beyond Description from Data to Understanding," Seattle , WA.
- 2006 *Bringing Crabtree to DVD*. Authors: E.S. Lohse, D. Sammons and K. Lohse. Paper presented at the 59th Annual Northwest Anthropological Conference: "Beyond Description from Data to Understanding," Seattle, WA .
- 2006 *Castle Rock, City of Rocks*. Authors: E.S. Lohse, P. Santarone, B. Benson, C.W. Clellan, C. Cordell, D. Ellis, R. Hitchcock, and N. Holmburg. Presented at the 59th Annual Northwest Anthropological Conference: "Beyond Description from Data to Understanding," Seattle, WA.

- 2005 *Integrating archaeology into the US school curriculum*, with D. Sammons and A.W. Strickland. Paper presented at the Theoretical Archaeology Group Annual Meeting, Sheffield, England, UK. December.
- 2005 *Detailed automated comparisons of distinctive projectile point type sequences in the Northern Intermountain West: Plains, Plateau and Great Basin definitions*. Co-authors: Robert Schlader, Corey Schou and D. Sammons. Paper presented at the 63 rd Annual Plains Conference, Edmonton , Alberta, Oct 19-23.
- 2005 *Helping on-line learners construct mental models of physical systems*. Authored with D. Sammons, Paper presented at ED-MEDIA: World Conference on Educational Multimedia, Hypermedia & Telecommunications, Montreal, CA, June 27 – July 2.
- 2005 *The Columbia Plateau-Snake River Region Cultural Sequence*. Paper presented in the symposium "Projectile Point Sequences in Northwestern North America, chaired by Roy Carlson and Marty Magne, Canadian Archaeological Association Meetings, Nanaimo, B.C., May 11-15.
- 2005 *Stone Tool Analysis in A Digital Environment: Digital imaging applied to a trampling experiment of edge and surface attrition in obsidian*. Paper presented at the 70th Annual Society for American Archaeology Meeting, Salt Lake City, Utah, March 30-April 3.
- 2005 *Teachers and Archaeology: Introducing Archaeological Resources in the American K-12 Curriculum*. Co-author, D. Sammons. Paper presented at the TAG Conference, Sheffield , England , December 19-21.
- 2005 *Helping on-line learners construct mental models of physical systems*. Authored with D. Sammons, Paper presented at ED-MEDIA: World Conference on Educational Multimedia, Hypermedia & Telecommunications, Montreal , CA , June 27 – July 2.
- 2004 *Developing Archaeological Informatics: An Agenda for the Next Five Years*. Paper presented in "Archaeological Theory and Computers: beyond the quantitative debate" (Chair: Juan Barcelo, ES). Co-Authors, Corey Schou. A.W. Strickland, D.Sammons and R. Schlader. Computer Applications in Archaeology Conference, Prato, Italy, April 13-17.
- 2004 *Archaeological Database Development and the Use of Artificial Intelligence to Aid Image Classification*. E.S. Lohse and R. Schlader. Workshop presented at the 57th Annual Northwest Anthropological Meeting, Eugene, Oregon, March 25-27.
- 2004 *Creating Instructional Media for Archaeological Courses*. With D. Sammons

- and R. Schlader. Papers presented at the 57th Annual Northwest Anthropological Meeting, Eugene, Oregon. March 25-27.
- 2004 *Designing Smart Databases*. E.S. Lohse and R. Schlader. Paper presented at the 57th Annual Northwest Anthropological Meeting, Eugene, Oregon, March 25-27.
- 2004 *Projectile Point Typology on the Columbia Plateau: Definitions and Declarations*. Paper presented at the 57th Annual Northwest Anthropological Meeting, Eugene, Oregon, March 25-27.
- 2003 *Information data archives: Management, research and information distribution in a secure, controlled environment*, with C. Schou, A. Strickland, D. Sammons, and R. Schlader. Paper presented at the Fifth World Archaeological Congress, Catholic University, Washington, D.C. In "Managing Archaeological Resources: Advancing Access to Digital Data: Strategies for Preserving Archaeological Digital Records," M.S. Carroll, A. Simon and A. Prinke (co-organizers).
- 2003 *Automated Classification of Stone Projectile Points in a Neural Network*, with C. Schou, R. Schlader and D. Sammons. Paper presented at the Computer Applications in Archaeology Conference, Vienna, Austria, April 8-12.
- 2003 *Classification in a Neural Network*, with R. Schlader. Paper presented at the Northwest Anthropological Meeting, Bellingham, WA. Abstract published, *Journal of Northwest Anthropology*.
- 2002 *Measuring Prehistoric Strategies: Flakes, symmetries and balance in stone tools*. Paper presented at the Ninth International Conference on Hunting and Gathering Societies (CHAGS 9), Edinburgh, 9-13 September, 2002.
- 2002 *Information Rich Digital Data: High Potential for Research in Archaeology*. Presented at the Northwest Anthropological Meeting, Boise, ID. Abstract published in *Journal of Northwest Anthropology*.
- 2001 *Anthropology 491: Teaching an on-line laboratory course*, with D. Sammons and R. Schlader. Presented at the World Conference on Educational Multimedia, Hypermedia & Telecommunications, Tampere, Finland, June 25-30, 2001.
- 2001 *Teaching Online Archaeology: DIGITAL STONES: A virtual course in stone tool analysis*, with Robert Schlader and D. Sammons. Presented at the 66th Annual Society for American Archaeology meeting, New Orleans, LA.
- 2001 *Reclaiming old site data: The Wasden site project*, with Jason Anderson.

- Presented at the Computer Applications in Archaeology Conference, Visby, Gotland, April 25-29.
- 2000 *Digital Stones: A Virtual Lab Course*, with R. Schlader and D. Sammons. Presented at the 65th Annual Society for American Archaeology meeting, Philadelphia, PA.
- 1998 *Making a CD-ROM for lithic use-wear analysis*. Presented at the 51st Annual Northwest Anthropological Conference, Missoula, MT, April 16-18. Abstract published in *Journal of Northwest Anthropology*.
- 1998 *Metalanguage and metabaggage: Archaeological database constructions in cyberspace*. Paper presented at the 63rd Annual Society for American Archaeology Meeting, Seattle, WA, March 25-29.
- 1997 *Computerizing lithic use-wear analyses*, with D. Sammons. Presented at the 50th Annual Northwest Anthropological Conference, Ellensburg, WA, April 16-19. Paper chosen for on-line publication.
- 1997 *A computerized data base for lithic use-wear analysis*, with D. Sammons. Presented at the Computer Applications and Quantitative Methods in Archaeology Conference, Birmingham, England, April 10-13.
- 1996 *Computer Imaging in Lithic Use-wear Studies: Edge Definition and Measurement of Surface Extent*. Presented at the 61st Annual Meeting of the Society for American Archaeology, New Orleans, LA, April 10-14.
- 1995 *Computer Imaging: Capturing Archaeological Context*. Presented at the 60th Annual Meeting of the Society for American Archaeology, Minneapolis, MN, May 3-7.
- 1995 *Aviators' Cave: Capturing Archaeological Context with Computer Imaging*. Poster session presented at the Society for Computer Applications in Archaeology Annual Meeting, Leiden University, Leiden, Netherlands, March 31 - April 2.
- 1994 Organizer, Idaho Archaeological Society Annual Meeting, October 21-22, Twin Falls, ID.
- 1994 *Microscopic Analysis of Archaeological Materials: Finding Events and Living Floors*. Paper presented at the Idaho Archaeological Society Annual Meeting, October 22, Twin Falls, ID.
- 1994 *Building a cultural sequence: The case for southeastern Idaho*. Paper presented at the 47th Annual Northwest Anthropological Conference, March 31 -April 2, Spokane, WA.

- 1993 Organizer, Idaho Archaeological Society Annual Meeting, October 22-23, Pocatello, ID.
- 1993 *Site Significance: A Microscopic Assessment*. Abstract presented at the Idaho Archaeological Society Annual Meeting, October 22-23, Pocatello, ID.
- 1993 *Descriptive Grids and Analytical Relevance*. Presented at the 46th Annual Northwest Anthropology Conference, March 26-28, Bellingham, WA.
- 1992 *The Past as Power: Who Has Access and Who Writes the Story?* Presented at the 23rd Annual Great Basin Anthropological Conference, October, Boise, ID.
- 1992 *Who Owns the Past: Working with Native Americans in Archaeology*. Presented at the 45th Annual Northwest Anthropological Conference, April 16-18, Burnaby, British Columbia.
- 1991 *Excavations on the Snake '91*. Presented at the Idaho Archaeological Society Meeting, Boise, ID.
- 1991 *Back to Birch Creek: A Cleaner, Easier to Read Chronological-Cultural Sequence at the Jimmy Olsen Rockshelter*. Presented at the 44th Annual Northwest Anthropological Conference, March 28-30, Missoula, MT.
- 1991 *Knots, Netting, and Other Stuff: Reconstructing Desert Dwelling Families' Tool Kits at Aviators' Cave*. Presented at the 44th Annual Northwest Anthropological Conference, March 28-30, Missoula, MT.
- 1990 *Birch Creek 1990*. Presented at the Idaho Archaeological Society Meeting, Boise, Idaho.
- 1990 *Traits Aren't Gonna Do It*. Presented at the 22nd Annual Great Basin Conference, Reno, Nevada.
- 1990 *Fort Hall and the Shoshone-Bannock in the Pages of History*. E.S. Lohse symposium organizer. April 28, Idaho State University, Pocatello, ID.
- 1990 *The Hows and Whys of Proj Points*. Presented at the 43rd Annual Northwest Anthropological Conference, March 22-24, Eugene, Oregon.
- 1990 *Families in Caves: The Uniquely Mundane Archaeological Site*. Presented at the 43rd Annual Northwest Anthropological Conference, March 22-24, Eugene, Oregon.
- 1989 *Aviator's Cave*. Presented at the Idaho Archaeological Society Meeting,

Boise, ID.

- 1986 *Indians of the Intermountain West: Erroneous Images and Their Effect on Archaeological Interpretations and Historical Reconstructions*, with D. Sammons-Lohse. Society for Historical Archaeology Meetings, Sacramento, CA.
- 1983 *Typology and Chronology: A Methodological Imperative*. In symposium *Joy and Torment of Large-Scale Archaeology: The Chief Joseph Dam Cultural Resources Project*, M.E.W. Jaehnig and E.S. Lohse, co-organizers. Society for American Archaeology Meeting, Pittsburgh, PA.
- 1983 *Rufus Woods Lake Projectile Point Chronology and Its Relationship to the Columbia Plateau*. In symposium *The Chief Joseph Dam Cultural Resources Project: Results of Five Years of Interdisciplinary Investigation*, M.E.W. Jaehnig and E.S. Lohse, co-organizers. Northwest Anthropological Conference, Boise, ID.
- 1983 *45-OK-11, A 5000 Year Old Housepit Site*. In symposium *The Chief Joseph Dam Cultural Resources Project: Results of Five Years of Interdisciplinary Investigation*, M.E.W. Jaehnig and E.S. Lohse, co-organizers. Northwest Anthropological Conference, Boise, ID.
- 1981 *A Structural Analysis of Northwestern Great Basin Prehistory*. Presented at the American Anthropological Association Meeting, Los Angeles, CA.
- 1978 *Fremont Architectural Variation and Settlement Pattern*. In symposium *Fremont Culture*, D. Madsen, organizer. Great Basin Anthropological Conference, Reno, NV.

## **Grants, Contracts and Other Funding**

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### Grants Awarded:

- 2007 ISU University Research Committee award for "The Gault Site, Texas, Project". Award for \$12,000.
- 2006 ISU Humanities/Social Science Research Committee award for "Construction of a Projectile Point Classification for the Northwestern Plains through Knowledge Elicitation Protocol Utilizing a Computer-based Anonymous Decision Tool". Co-Principal Investigators: K. Turley-Ames, C. Schou, A. W. Strickland, D. Sammons, & J. Frost. Award for \$15,297.
- 2005 Idaho Humanities Council award for "Transfer of Crabtree Films to DVD." Award for \$1900.
- 2004 ISU Technology Mediated Instruction Initiative TMII Grant for development of

- an interactive image catalog to accompany Digital Stones course. Award for \$4000.
- 2003 ISU Faculty Research Grant award for “Improving Expert Knowledge: SIGGI, A Neural Network Applied to Stone Projectile Point Typology on the Columbia Plateau.” Award for \$4500.
- 2002 ISU University Research Committee award for “Development of An Online Projectile Point Classification System.” Award for \$8100.
- 2001 ISU University Research Committee award for upgrade of digital imaging systems. Award for \$4000.
- 2001 ISU Technology Mediated Instruction Initiative TMII Grant for development of an interactive online database to accompany online DIGITAL STONES course. Award for \$4500.
- 2000 Idaho Technology Incentive Grant Program for “D.I.G.I.T.A.L. Lab,” with Dr. Al Strickland. Award for \$161,000.
- 2000 Idaho Humanities Council for “Don Crabtree: Idaho Flintknapper.” Award for \$6673.
- 2000 Idaho State Historical Society grant for “Maintenance of the Southeast Idaho Regional Archaeological Center” and “Wasden Project.” Award for \$5000.
- 1999 Idaho State Board of Education for “Digital Atlas of Idaho.” Award for \$580,000. Paul Link, Charles Petersen, E.S. Lohse, Keith Weber, Stefan Sommer, Reed Lewis, John Welhan, Jim McNamara, and Christian Petrich, co-principal investigators.
- 1999 Idaho State Historical Society grant for “Maintenance of the Southeast Idaho Regional Archaeological Center” and “The Native American Heritage Exhibition.” Award for \$5000.
- 1998 Idaho State Historical Society grant for “Maintenance of the Southeast Idaho Regional Archaeological Center” and “Construction of An Interactive Web Site.” Award for \$5000.
- 1997 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$5,000.
- 1997 Idaho Technology Incentive Grant Program for "Geographical Information Systems Teaching Center." Award for \$203,700. Ed House, Paul Link, Ross Spackman, Chuck Petersen, Rene Marsh, Eugene Stuffle, E.S. Lohse, Ron Balsley, John Welhan, and Ron Rope co-principal investigators.

- 1997 Idaho State University Research Committee Grant for "Filming of blade production: Information to CD-ROM. Award for \$4,992.
- 1996 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$5,000.
- 1996 National Park Service, Craters of the Moon National Monument, "Archaeological Survey." D. Sammons, co-principal investigator. Award for \$11,000.
- 1995 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Center." Award for \$10,000.
- 1995 National Park Service, City of Rocks National Reserve, for "Archaeological Survey on the California National Historic Trails and related segments at City of Rocks National Reserve." D. Sammons, co-principal investigator. Award for \$17,000.
- 1994 Idaho Humanities Council Planning Grant for "Caribou Mountain Folklore Project." D. Sammons, Co-Principal Investigator. Award for \$1,000.
- 1994 Lockheed, Inc., Idaho National Engineering Laboratory Grant for "Analysis of Aviators' Cave Faunal Material." Award for \$500.
- 1994 Idaho State University Research Committee Grant for "Identification and Analysis of the Aviators' Cave Assemblage Through Computer Imaging." Award for \$6100.
- 1994 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$10,000.
- 1993 Idaho State University Infrastructure Grant for "Image Capture to Disc: Computerized Video-Microscopy System." Award for \$6600.
- 1993 Idaho Humanities Council Major Grant for "1993 Archaeological Fieldschool: Teacher Workshop." Award for \$3000.
- 1993 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$10,000.
- 1992 Idaho State University Infrastructure Grant for "Video-Microscopy System and Monitor." Award for \$3500.
- 1992 Idaho Humanities Council Planning Grant for a videotape entitled "Idaho's Native American Past." Award for \$1,000.

- 1992 Idaho State Historical Society grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$10,000.
- 1991 National Endowment of the Humanities Travel Grant for verification of bibliographic entries in "Guide to Analysis of Native American Material Culture." Award for \$750.
- 1991 Idaho State Historical Society Grant for "Maintenance of the Southeast Idaho Regional Archaeological Center." Award for \$6500.
- 1990 Idaho State Board of Education Grant for "Selected Bibliography of North American Indian Material Culture." Award for \$17,000.
- 1989 Idaho State Historical Society Grant for "Archaeological Collections Inventory and Computerization Project: Continuation Proposal." Award for \$5000.
- 1989 Idaho State University Faculty Research Grant for "Prehistoric Fiber Industries of the Intermountain West." Award for \$2500.

Contracts Awarded:

- 2007 Department of Energy, care and maintenance of collections from the INL. Award for \$25,000.
- 2007 Idaho State Parks and National Park Service. "Mitigation of the Buried Beach Site, Castle Rocks." Award for \$25,000
- 2006 Idaho Power. "Test Excavations at Bancroft Springs, Snake River Rockshelters" Award for \$30,000.
- 2006 Idaho State Parks and National Park Service. "Test Excavations at Castle Rocks." Award for \$46,000.
- 2004 Hill Air Force Base, continuation of inventory and storage. Award for \$10,000.
- 2004 Shoshone BLM District, "Inventory and Storage of Archaeological Materials. Award for \$5000.
- 2003 Hill Air Force Base, continuation of inventory and storage. Award for \$10,000.
- 2002 Hill Air Force Base, "Inventory and Storage of Archaeological Materials." Award for \$8500. Renewed fiscal 02-03.
- 2001 Bureau of Land Management. "The Birch Creek Inventory project." Award for \$6800.
- 2000 Bureau of Land Management, "Processing of Birch Creek sites." Award for \$6000.

- 1998 Bureau of Land Management, "Continued Processing of Task Orders 12-14 and Inventory Completion for 10BT46 (NAGPRA)." Award for \$7200.
- 1997 Harmon Ranches, "Archaeological Survey of Elk Creek, Wyoming." Award for \$8000.
- 1997 Birch Creek Ranches, "Birch Creek Ranches Land Exchange." Award for \$4,754. D. Sammons, co-principal investigator.
- 1997 Idaho Fish and Game, Boise, "Cultural Resources Survey of the Tex Creek, Willow Creek, and Deer Creek parcels." Award for \$14,866. D. Sammons, co-principal investigator.
- 1997 The City of Rocks National Preserve, "Bibliography of Research at City of Rocks." D. Sammons, co-principal investigator. Award for \$2,818.
- 1996 USDA Forest Service, Targhee Forest, "Flotation of archaeological samples from site 10-BT-18: The Kyle Canyon site." Award for \$1,000.
- 1996 Lockheed Idaho, Inc., Idaho National Engineering Laboratory, "Archaeological Survey of the Argonne Burn." D. Sammons, co-principal investigator. Award for \$5,760.
- 1994 Bureau of Land Management, for "Inventory of Bureau of Land Management Collections held in the Idaho Museum of Natural History." Sharon Holmer, coprincipal investigator. Award for \$34,000.
- 1994 Bureau of Land Management, Idaho Falls District, for "Support of 1994 Archaeological Field School." Award for \$4000.
- 1994 Bureau of Land Management, Shoshone District, for "In-processing of Artifacts for Curation for Fiscal Year 1994 - Shoshone District." Sharon Holmer, co-principal investigator. Award for \$1000.
- 1994 Bureau of Land Management, Idaho Falls District, for "Curatorial Services to Process Artifacts from Surveys and 1OBT1." Sharon Holmer, co-principal investigator. Award for \$500.
- 1993 Sturtevant and Adams Landscape Architects, for "The Trail Creek Pass Fiber Optic Line Cultural Resources Survey." D. Sammons, co-principal investigator. Award for \$6600.
- 1993 Mid-State Consultants, Nephi, Utah, for "Leadore to Mud Lake Fiber Optics Line Cultural Resources Survey." D. Sammons, co-principal investigator. Award for \$4000.

- 1993 U.S. West Communications, Pocatello, Idaho, for "Pocatello to Arco Fiber Optic Line Cultural Resources Survey." D. Sammons, co-principal investigator. Award for \$2270.
- 1993 Mud Lake Telephone for "Archaeological Survey of Telephone Cable Routes." Award for \$4300.
- 1993 U.S. Forest Service, Salmon National Forest for "Archaeological Services on the Salmon National Forest." Award for \$50,000.
- 1993 U.S. Department of the Interior, National Park Service for "Little Prairie Burn Survey: Craters of the Moon National Monument." Award for \$12,795.
- 1993 Bureau of Land Management, Idaho Falls District, for " 1993 Archaeological Fieldschool: Indian Rocks and Dugout Spring." Award for \$5000.
- 1993 Idaho Department of Transportation, Pocatello District, for "Montpelier-to-Geneva Archaeological Survey." Award for \$2400.
- 1993 U.S. West Telephone Company, Idaho Falls, for "Roberts-to-Chilly Fiber Optic Route." Award for \$4000.
- 1993 Custer Telephone Company, Challis, for "Chilly-to-Challis Fiber Optic Route." Award for \$4300.
- 1992 Bureau of Land Management, for "Curation of Artifacts - Regional Archaeological Center Sharon Holmer Co-Principal Investigator. Award for \$1900.
- 1992 Bureau of Land Management, for "Curation of Artifacts - Mon-Tung Site." Sharon Holmer, Co-Principal Investigator. Award for \$1000.
- 1992 Bureau of Land Management, for "Curation of Artifacts: In-processing of Materials". Sharon Holmer, Co-Principal Investigator. Award for \$1500.
- 1992 Bureau of Land Management, for "Curation of Artifacts - Baker Cave". Sharon Holmer, Co-Principal Investigator. Award for \$2000.
- 1992 EG&G, Idaho, Inc., for "Cedar Butte Archaeological Mitigation Project." Award for \$10,076.
- 1992 U.S. Department of the Interior/Bureau of Land Management, for "Inspection and Inventory of Human Remains from Public Land." Sharon Holmer, Co-Principal Investigator. Award for \$1000.
- 1992 U.S. Department of the Interior, National Park Service, for "Craters of the Moon Archaeological Survey." Award for \$9,995.

- 1992 Bureau of Land Management, Boise District, for "Excavation of a 300 Year Old Wickiup at Frank's Take Out." Award for \$2000.
- 1992 Bureau of Land Management, Boise District, for "Analysis of Artifacts from a 1500 Year Old Site at Birds of Prey." Award for \$1000.
- 1992 Bureau of Land Management for "Curation of Artifacts - Bobcat Cave." Sharon Holmer, Co-Principal Investigator. Award for \$500.
- 1992 Bureau of Land Management for "Artifact Curatorial Services for Sites 10BM56 and 10CL40." Sharon Holmer, Co-Principal Investigator. Award for \$500.
- 1992 Bureau of Land Management for "Curation of Collections." Sharon Holmer, Co-Principal Investigator. Award for \$500.
- 1992 Bureau of Land Management for "Curation of Artifacts: In-processing Archaeological Materials." Sharon Holmer, Co-Principal Investigator. Award for \$500.
- 1991 Bureau of Land Management for development of exhibit "Idaho's Native American Past." Richard Holmer, Co-Principal Investigator. Award for \$20,000.
- 1991 Bureau of Land Management, Idaho Falls District, for "Curation of Artifacts from MonTung Site." Sharon Holmer, Co-Principal Investigator. Award for \$1000.
- 1991 Bureau of Land Management, Idaho Falls District, for "Curation of Artifacts from Baker Cave." Sharon Holmer, Co-Principal Investigator. Award for \$2000.
- 1991 Bureau of Land Management, Shoshone District, for "Curation of Artifacts." Sharon Holmer, Co-Principal Investigator. Award for \$1900.
- 1991 Bureau of Land Management, Shoshone District, for "Curation of Artifacts." Sharon Holmer, Co-Principal Investigator. Award for \$1500.
- 1991 Bureau of Land Management, Boise District, for "U.S. West Field School." Award for \$6000. Cooperative agreement.
- 1991 Bureau of Land Management, Boise District. for "Bruneau River Test Excavations." Award for \$7200. Cooperative agreement.
- 1991 EG&G, Idaho National Engineering Laboratory for "NPR Area E 1991 Cultural Resources Inventory." Richard Holmer, Co-Principal Investigator. Award for

\$10,726.

- 1991 EG&G, Idaho National Engineering Laboratory for "NPR Area E Testing - Phase 2." Award for \$13,100.
- 1991 EG&G, Idaho National Engineering Laboratory for "PBF Road Survey." Award for \$895.
- 1991 Bureau of Land Management for "Curation of Collections." Award for \$500.  
1991 Bureau of Land Management for "Curation of Artifacts." Award for \$2000.
- 1991 EG&G, Idaho National Engineering Laboratory for "NPR Area E Archaeological Test Excavations." Award for \$51,179.

Appropriations:

- 2002 As IMNH Interim Director, I initiated a Federal appropriation request for \$1.2 million to fund an "Idaho Virtual Museum" project. The proposal was funded in 2003 at \$500,000 and became the "Idaho Virtualization Laboratory."

Outstanding Funding Proposals:

- 2009 Federal appropriation request for creation of an "Idaho Digital Atlas" web resource for education and research. Co-principals, Paul Link, D. Sammons and Corey Schou. Request for \$500,000.

**Field Research**

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- 2010 Director, Idaho State University Archaeological Field School, Brown's Bench, Idaho, City of Rocks, Idaho and Independence Lakes, Idaho. Partnerships with the National Park Service, Bureau of Land Management, and U.S. Forest Service. June-July.
- 2007 Director, Idaho State University Archaeological Field School, Hells Canyon, City of Rocks, Gault Site, Texas. Partnerships with Idaho State Historical Society, Idaho State Parks, and the National Park Service, June-August.
- 2006 Director, Idaho State University Archaeological Field School, Cougar Bar-Hells Canyon, Bancroft Springs, Snake River Rockshelters, City of Rocks Excavations. Partnership with the Bureau of Reclamation, Idaho Power, National Park Service, and the Idaho Historical Society, SHPO. June-August.
- 2005 Director, Idaho State University Archaeological Field School, Chesterfield Town Site, INL site testing, City of Rocks Excavations, ID. Co-Directors, H.

- Maschner, C. Marler, R. Holmer and J. Woods. June-July.
- 1998 Director, Idaho State University Archaeological Field School, Willow Creek , ID. June.
- 1997 Director, Idaho State University Archaeological Field School, Birch Creek Valley and Caribou Mountain, ID. June-July.
- 1996 Director, Idaho State University Archaeological Field School, Craters of the Moon, ID. July-August. D. Sammons, Co-director.
- 1995 Director, Idaho State University Archaeological Field School, City of Rocks National Monument, ID, Rock Springs site, ID, Caldron Linn, ID, Idaho National Engineering Laboratory, ID. July-August.
- 1994 Director, Idaho State University Archaeological Field School, Little Malad Spring site near Malad, ID, the Sullivan sites near Dubois, ID, Beck Canyon site near Craters of the Moon, ID, and the Caribou City mining district near Soda Springs, ID. May-June.
- 1993 Director, Idaho State University Archaeological Field School, Indian Rocks State Park, McCammon, ID, and Dugout Spring, Spencer, ID. June-July.
- 1992 Director, Idaho State University Archaeological Field School, Indian Rocks State Park, McCammon, ID, and Bruneau River, Bruneau, ID. June-July.
- 1991 Director, Idaho State University Archaeological Field School for U.S. West, Boise, Snake River, Kuna, ID. September.
- 1991 Director, Idaho State University Archaeological Field School, Bruneau River, Bruneau, ID. May.
- 1990 Director, Idaho State University Archaeological Field School, Birch Creek Valley, ID, June-July.
- 1989 Director, Idaho State University survey and testing of Aviator's Cave, Idaho National Engineering Laboratory, ID. August.
- 1980 Field Supervisor, University of Utah MX Missile Survey, Utah and Nevada , June-Sept.
- 1979 Archaeologist, U.S. Bureau of Land Management survey of Black Rock Desert archaeology, Mar-Oct.
- 1978 Field supervisor, University of Utah Archaeological Field School, Fremont sites near Salina, UT, under Dr. Edward Sisson, June-Aug.

- 1977 Field supervisor, University of Utah Samoan Archaeological Program , islands of Upolu and Manono , Western Samoa , under Dr. Jesse D. Jennings, Aug-Nov.
- 1977 Field supervisor, University of Utah Archaeological Field School. Fremont sites near Hanksville, UT, under Dr. Jesse D. Jennings, June-Aug.
- 1976 Archaeologist, University of Utah survey for the U.S. National Park Service, survey and assessment of tourist impact on cultural resources of Glen Canyon National Recreation Area, Lake Powell, UT, under Dr. Alan Schroedl, Aug-Oct.
- 1976 Site supervisor, University of Utah Archaeological Field School, Fremont sites near Hanksville, UT, under Dr. Jesse D. Jennings, June-Aug.
- 1975 Student, Brigham Young University Archaeological Field School, Mesa Verde Anasazi sites in Montezuma Canyon, UT, under Dr. Ray T. Matheny.
- 1975 Archaeologist, California State University, Chico Archaeological Survey, various, NV, under Dr. Makoto Kowta, Jan-May.
- 1974 Crew supervisor, California State University, Chico Archaeological Field School, Maidu village site near Hamilton City, CA, under Dr. Keith Johnson, June-Aug.
- 1974 Crew supervisor, California State University, Chico Archaeological Field School, Maidu site near Chico, CA, under Dr. Makoto Kowta, Mar-May.
- 1973 Student, California State University, Chico Archaeological Field School, Maidu site near Chico, CA, under Dr. Makoto Kowta, Mar-May.

### **Exhibitions Prepared**

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- 2003 “Living off the Land.” Exhibitions at the Idaho Museum of Natural History, March 2003.
- 2001 “David A. Thomas: The Man Who Made Dinosaurs.” Exhibition at the Idaho Museum of Natural History, September 2001-June 2002.
- 2000 “Don Crabtree: Idaho’s Flintknapper.” Traveling exhibition funded by the Idaho Humanities Council.
- 1999 “Native American Heritage Show.” Exhibit at the Idaho Museum of Natural History, March 1999.

- 1994 "Native American Art Show." Exhibition at the Idaho Museum of Natural History, March 1994. Willie Preacher, co-organizer. Sponsored by the IMNH, Shoshone-Bannock Arts Council, Native Americans United, American Indian Studies Program, and ISU Office of the President.
- 1993 "Wah-Muza." Exhibition at the Idaho Museum of Natural History, Oct 1993-1996.
- 1993 "Shoshone-Bannock Basketry." Exhibition at the Idaho Museum of Natural History, Oct 1993-1997.
- 1993 "Aviators' Cave." Exhibition at the Idaho Museum of Natural History, Oct 1993-1997.
- 1993 "Bobcat Cave." Exhibition at the Idaho Museum of Natural History, Oct 1993-2008
- 1993 "Jimmy Olsen Rockshelter." Exhibition at the Idaho Museum of Natural History, Oct 1993-2008.
- 1993 "Wasden Site." Exhibition at the Idaho Museum of Natural History, Oct 1993-2008.
- 1993 "Stoneworking." Exhibition at the Idaho Museum of Natural History, Oct 1993-2008.
- 1993 "The Prehistoric Sequence." Exhibition at the Idaho Museum of Natural History, Oct 1993-present.
- 1992 "Native American Art Show." Exhibition at the Idaho Museum of Natural History, March, 1992. Willie Preacher, co-organizer. Sponsored by the IMNH, Shoshone-Bannock Arts Council, Native Americans United, American Indian Studies Program, and ISU President's Office.
- 1992 "Idaho's Native American Past." Traveling exhibition sponsored by the Idaho Bureau of Land Management.
- 1992 "Lithic Reduction." Exhibition at Idaho Museum of Natural History, March-May, 1992.
- 1989 "Dagger Falls." Exhibition at Idaho Museum of Natural History, October-December, 1989.
- 1989 "Aviators' Cave." Exhibition at Idaho Museum of Natural History, October-December, 1989.

## Classes Taught

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ANTH 100 Introduction to Anthropology  
ANTH 203 Introduction to Archaeology  
ANTH 237 British Prehistory  
ANTH 237 European Prehistory  
ANTH 237 Old World Prehistory  
ANTH 238 North American Indians Survey  
ANTH 238 Northwest Coast Prehistory  
ANTH 238 People of the Pacific Northwest  
ANTH 238 Southwest Prehistory  
ANTH 238 New World Prehistory  
ANTH 313 Old World Prehistory  
ANTH 314 New World Prehistory  
ANTH 314 Prehistory of the Far West  
ANTH 403 Theory in Archaeology  
ANTH 404/405 Material Culture Analysis and Practicum  
ANTH 414 Issues in Paleoindian Research  
ANTH 472 Native American Arts and Industries  
ANTH 481/581 Stone Tool Analysis  
ANTH 481/591 The Neanderthal Question  
ANTH 482/582 Great Basin Prehistory: Undergraduate Seminar  
ANTH 482/582 Folk History: Caribou Mountain Mining  
ANTH 482/582 Japanese Prehistory  
ANTH 483/583 Archaeological Field School  
ANTH 491/591 Digital Stones (online virtual lab course)  
ANTH 491/591 Laboratory Methods in Archaeology  
ANTH 491/591 Seminar in Analysis of Material Culture  
ANTH 491/591 Special Topics: Black History in Idaho  
ANTH 491/591 Special Topics: Topics in Paleoindian Research  
ANTH 492 Senior Seminar  
ANTH 493/593 Special Topics: Landscape Archaeology and GIS  
ANTH 493/593 Special Topics: Native American Arts and Industries  
ANTH 493/593 Special Topics: Neanderthals to Modern Humans  
ANTH 493/593 Special Topics: European Prehistory  
ANTH 495 Departmental Colloquium  
ANTH 499/599 Fantastic Archaeology (Honors Course)  
ANTH 404/405 Material Culture Analysis and Lab Practicum  
ANTH 628 Seminar in Archaeological Theory and Method  
ANTH 699 Qualitative Analysis: Modeling Complex Systems  
MUS 211 Introduction to Museology  
MUS 450 Ind Probs: Collections Management  
MUS 450 Ind Probs: Museums and Their Communities

MUS 499 Digital Stones (online virtual lab course)