

CURRICULUM VITAE

April, 2006

STEPHEN C. LENSINK

Born: Sheldon, Iowa, December 12, 1945

Home Address: 5 The Woods NE
Iowa City, Iowa 52240
319-338-3770

Business Address: Office of the State Archaeologist
700 Clinton Street Building, Room 118
University of Iowa
Iowa City, Iowa 52242
319-384-0738

EDUCATION

- 1984 University of Iowa, Ph.D. in Anthropology
Fields of specialization:
1. North American Prehistory
2. Ecological Archaeology
3. Prehistoric Demography and Population Studies
4. Statistical Applications
- 1976 University of Iowa, MA in Anthropology
- 1968 Iowa State University, BS *cum laude* in Physics
Minors in anthropology and mathematics

DOCTORAL DISSERTATION

- 1984 *A Quantitative Model of Central-Place Foraging among Prehistoric Hunter-Gatherers.*
The outcome of an economic decision-making model utilizing mathematical programming is compared to the spatial distribution of artifacts in a region where food resources are patchily distributed.

MASTER'S THESIS

- 1976 *Environmental Factors Affecting the Areal Size of Regional Populations in Melanesia.*
Stepwise linear regression is used to show that three environmental variables accurately predict the areal size of languages in Melanesia. This phenomenon is accounted for by postulating local transfer networks.

PROFESSIONAL POSITIONS

- 2005– Interim Director and State Archaeologist, Office of the State Archaeologist, University of Iowa
- 1997– Associate Director, Office of the State Archaeologist, University of Iowa
- 2001–02 Interim Director and State Archaeologist, Office of the State Archaeologist, University of Iowa
- 1986–97 Research Archaeologist, Office of the State Archaeologist, University of Iowa
- 1987–88 Acting Director and State Archaeologist, Office of the State Archaeologist, University of Iowa
- 1984–86 Project Director, Highway Archaeological Program, Office of the State Archaeologist, University of Iowa
- 1984– Adjunct Assistant Professor, Department of Anthropology, University of Iowa
- 1984 Lecturer, Department of Anthropology, Grinnell College
- 1982–83 Instructor, Department of Anthropology, University of Iowa
- 1982 Lecturer, Department of Anthropology, Grinnell College
- 1981 Instructor, Social Science Department, Kirkwood Community College
- 1980–81 Instructor, Department of Anthropology, University of Iowa
- 1975–80 Teaching Assistant, Department of Anthropology, University of Iowa
- 1969–74 Research Associate, Medical Physics, Department of Radiology, University of Iowa

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1969 Research Assistant, Health Physics, Department of Epidemiology and Public Health, Yale University

COURSES TAUGHT

Introduction to Prehistory
 Seminar: Archaeological Method and Theory
 Field Archaeology of the Prairie Lakes Region
 Field Institute in Prehistoric Archaeology
 Field Institute in Historical Archaeology
 Introduction to the Study of Culture and Society
 Indians of North America
 Laboratory Methods in Archaeology

APPOINTMENTS

2003– Board Member, Iowa Archaeological Society
 2001–03 President, Association of Iowa Archaeologists
 1994–95 President, University of Iowa Chapter of *Sigma Xi*
 1993–94 Vice President, University of Iowa Chapter of *Sigma Xi* Scientific Honorary
 1987–92 Secretary-Treasurer, Association of Iowa Archaeologists
 1986–92 Editor, *Journal of the Iowa Archeological Society*
 1986–88 Member, Louisa Ecological Advisory Board
 1985–87 Consulting Editor for Statistics, *Plains Anthropologist*

GRANTS AND FELLOWSHIPS

2004 Iowa Science Foundation and the Iowa Academy of Science Grant (\$4,901)
 Co-Principal Investigator (with Lynn M. Alex) of a project entitled “High Resolution Mapping and Geophysical Survey of Late Prehistoric Sites in O’Brien County, Iowa.”

2003 Social Science Funding Program Grant, Vice President for Research and External Relations, University of Iowa (\$24,216).
 Co-Principal Investigator (with Elizabeth Prine Pauls) of a project entitled “Out of the Box: Making Iowa’s Archaeological Collections Work.”

2000 National Center for Preservation Technology and Training (NCPTT) Preservation Technology and Training Grant (\$39,988).
 Co-Principal Investigator (with Joe A. Artz) of a project entitled “I-Sites: an Interactive Web-Enabled GIS and Database,” a statewide queriable database of archaeological sites and interactive Geographic Information System (GIS) for creating maps of site locations on the Web.

1999–2002 Iowa Statewide Transportation Enhancement Act (ISTEA) Grant (\$213,834).
 Co-Principal Investigator (with Joe A. Artz) of a project entitled “Statewide Cultural Resources GIS for Iowa.” (subcontract with State Historical Society of Iowa.).

1991 Iowa Humanities Board (\$1,470)
 Principal Investigator of a project entitled “Activities in Archaeology,” a work book for primary and elementary school teachers.

1990–91 Conservation Education Board (\$4,260).
 Principal Investigator of project entitled “Prehistoric Indians and Their Ancient Environments: An Advanced Teacher Workshop in Archaeology and Paeleoecology.

1989–90 Iowa Humanities Board (\$9,000).
 Principal Investigator of project entitled “Discovering Native Iowans,” a program of four teacher workshops in archaeology.

1989–90 Video Production Fund, University of Iowa (\$5,000).
 Principal Investigator of project to convert the Iowa's P.A.S.T. filmstrip series to videotape format.

1989 Iowa Humanities Board (\$1,200).
 Principal Investigator of project entitled “Archaeology for the Classroom.”

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- 1984–85 Iowa Science Foundation (\$5,000).
Principal Investigator of project entitled “Shape Analysis of Stylistic Variation in Projectile Points.”
- 1979–82 Vivian Demple Awards for research, University of Iowa.
- 1978 Kinney-Linstrom Foundation (\$7,708).
Principal Investigator of project entitled “Resource Structure and Human Subsistence-Settlement Behavior in the Prairie Pothole Region.”
- 1968 Lydia C. Roberts Fellowship for graduate study, Columbia University.

MAJOR CONTRACTS

- 1987–2006 Iowa Department of Transportation Annual Contract. Co-Principal Investigator of Highway Archaeology Program. 2006 Annual Contract: \$1,773,389. Total contract funds as Co-PI since 1987: \$26,503,153.
- 1988–2005 General Contracts Program Contracts. Co-Principal Investigator General Contracts Program. 2005 Contracts: \$511,479. Total contract funds as Co-PI since 1988: \$10,403,268.
- 1984–85 Iowa Department of Transportation. Phase III mitigation \$216,686.. Project Director and Co-Principal Investigator.
- 1987– Iowa Department of Transportation. Annual Contracts. Co-Principal Investigator. 2002 contract total: \$2,138,059 Co-Principal Investigator of Highway Archaeology Program. Total contract funds as Co-PI: \$21,103,048 (since 1987).
- 1990– General Contracts Program contracts. \$1,709,307. Co-Principal Investigator General Contracts Program. Total contract fund as Co-PI: \$8,266,148 (since 1988)
- 1984–85 Iowa Department of Transportation (\$216,686). Phase III mitigation. Project Director and Co-Principal Investigator.

PUBLICATIONS AND REPORTS

- 2005 The Cowan Site: A Great Oasis Community in Northwest Iowa (edited by Joseph A. Tiffany). Report 22. Office of the State Archaeologist, University of Iowa, Iowa City (in press).
- 2005 Great Oasis in Time and Space. (with Joseph A Tiffany) In *The Cowan Site: A Great Oasis Community in Northwest Iowa*, edited by Stephen C. Lensink and Joseph A. Tiffany. Report 22. Office of the State Archaeologist, University of Iowa, Iowa City. (in press)
- 2005 This Old Earthlodge Village: How Long Were Sites of the Middle Missouri Tradition Occupied? In *Plains Earthlodges: Perspectives on a Major North American House Type*, edited by Donna C. Roper and Elizabeth P. Pauls, University of Alabama Press, Tuscaloosa.
- 1993 *Iowa's P.A.S.T.: A Classroom Manual for the Video Series*, by Juianne Loy Hoyer. Editor. Special Publication of the Office of the State Archaeologist, Iowa City.
- 1993 Episodic Climatic Events and Mill Creek Culture Change: An Alternative Explanation. In *Prehistoric and Human Ecology of the Western Prairies and Plains: Papers in Honor of Robert A. Alex*, edited by Joseph A. Tiffany, pp. 183–197. Memoir. 27. Plains Anthropological Society, Lincoln, Nebraska.
- 1992 *Discovering Archaeology: An Activity Guide for Educators*, by Shirley J. Schermer. Editor. Special Publication of the Office of the State Archaeologist, Iowa City.
- 1992 Public Programs on Archaeology in Iowa. In *State Archeological Education Programs: Symposium Papers from the 49th Plains Anthropological Conference, Lawrence, Kansas*, edited by William B. Butler. National Park Service, Denver. (with Leah D. Rogers)
- 1988 Historical Archaeology at Plum Grove. *Journal of the Iowa Archeological Society* 35:40-69. (with Thomas H. Charlton, Cynthia Otis Charlton, and James A. Sartain)
- 1986 *Archaeological Investigations along the F-518 Corridor*. Iowa Quaternary Studies Contribution 9. University of Iowa, Iowa City. Editor and principal contributor.
- 1981 *Excavations at Plum Grove, Iowa City, 1979 and 1980. Final Report. Historical Archaeology of Iowa*, Part 3, edited by Thomas H. Charlton. Research Report, No. 3, Historical Archaeology Research Colloquium, Department of Anthropology, Iowa City. (with T. H. Charlton, J. A. Sartain, and C. L. Otis Charlton)

- 1981 *Archaeological Investigations in the Prairie Pothole Region of North-Central Iowa*. Report submitted to the Kinney-Linstrom Foundation, Mason City, Iowa.
- 1978 *A Cultural Resource Survey of the Proposed Ralston Creek Storm Water Detention Units, Iowa City, Iowa*. Contract Completion Report, No. 143. Office of the State Archaeologist, University of Iowa, Iowa City.
- 1977 *An Assessment of the Probable Impact on Cultural Resources of a 230-KV Transmission Line between the West Wing and Deer Valley Substations, Maricopa County*. Arizona State Museum, Archaeological Series, No. 108.
- 1976 *An Archaeological Survey of the Diablo Village Estates Housing Development, Tucson, Arizona*. Arizona State Museum, Archaeological Series, No. 106.
- 1976 *An Archaeological Survey of the West Coast/Mid-Continent Pipeline Project, El Paso Natural Gas Company*. Arizona State Museum, Archaeological Series, No. 105.
- 1974 An Accurate System for Evaluating Gamma Ray Collimators (with L. Oberley and J. Ehrhardt). *Physics in Medicine and Biology* 19:36-42.
- 1973 Reduction of the Effects of Scattered Radiation on a Sodium Iodide Image System (with L. Oberley and J. Ehrhardt). *Journal of Nuclear Medicine* 14:878-879.
- 1972 The Variable Baseline Scanner (with L. Oberley and J. Ehrhardt). *Physics in Medicine and Biology* 17:630-637.

PAPERS IN PROGRESS

- A Reanalysis of the Radiocarbon Dates from the Eastern Initial Variant of the Middle Missouri Tradition and the Implication for the Timing of Long-Distance Trade with Middle Mississippian Centers
- Central-Place Foraging: A Nonlinear Optimization Model.
- The Sweeting Site: A Late Woodland Occupation in the Uplands of the Iowa Southern Drift Plain.
- An Analysis of Ceramic Material from the Boone Mound (13BN39) and an Associated Woodland Village (13BN29) in Central Iowa.

ARCHAEOLOGICAL FIELD EXPERIENCE

- 2005 Northwest Iowa. Topographic mapping at 13OB31, a Mill Creek field system. Co-Principal Investigator.
- 2000 Northwest Iowa. Mapping and excavations at 13OB8, a fortified Mill Creek village. Co-Principal Investigator.
- 1995–96 Northwest Iowa. Excavations at 13OB7, a fortified Mill Creek village. Principal Investigator.
- 1994 Northwest Iowa. Excavations at 13OB8, a fortified Mill Creek village. Principal Investigator.
- 1991 Northwest Iowa. Excavations at 13OB31, a putative Mill Creek ridged field site. Principal Investigator.
- 1987 Northwest Iowa. Excavations at the Frerichs site (13DK12), Instructor and Principal Investigator.
- 1984 Southeast Iowa. F-518 Highway Archaeological Project, Project Director and Co-Principal Investigator.
- 1983 Iowa River Valley. Survey and excavation of prehistoric sites, Field School Instructor.
- 1979–80 North-central Iowa. Survey and excavation for doctoral research.
- 1979 Iowa City, Iowa. Excavations at historic Plum Grove, Instructor and Field Supervisor.
- 1976–77 Southern and central Arizona. Cultural resource management projects for the Arizona State Museum, Project Supervisor.
- 1975 Des Moines River Valley, Iowa. Excavations and survey for the Saylorville Reservoir Archaeological Project, Field Supervisor.
- 1973 York, England. Urban archaeology for the York Archaeological Trust.
- 1971 Cahokia, East St. Louis. Excavations for the University of Wisconsin, Milwaukee.
- 1967–68 Des Moines River Valley, Iowa. Excavations and survey for the Saylorville Reservoir Archaeological Project, Field Supervisor, Iowa State University Archaeological Laboratory.

- 1966 Des Moines River Valley, Iowa. Excavations and survey for the Red Rock Reservoir Archaeological Project, Iowa State University Archaeological Laboratory.

RELATED RESEARCH EXPERIENCE

- 1986–2001 Network Administrator, Office of the State Archaeologist, University of Iowa.
 1981 Project Coordinator, Office of the State Archaeologist, University of Iowa. Coralville Reservoir Archaeological Project.
 1980–81 Consultant, Office of the State Archaeologist, University of Iowa. Computerization of site files.
 1978–79 Research Assistant for Mac Marshall, June Helm, and Thomas H. Charlton, Department of Anthropology, University of Iowa.

CONFERENCE PAPERS

- 2006 118th Iowa Academy of Science Annual Meeting
 2003 Occupational Duration of Initial Middle Missouri Villages: Social Implications. 61st Annual Plains Anthropological Conference, Fayetteville, Arkansas. In symposium “Social Perspectives on Plains Village Communities” organized by Curtis Neptstad-Thornberry, Douglas Bamforth, and Mark Mitchell.
 2003 This Old Earthlodge Village: How Long Were Site of the Middle Missouri Tradition Occupied? 68th Annual Meeting of the Society for American Archaeology, Milwaukee, Wisconsin. In symposium “Plains Earthlodges: Perspectives on a Major North American House Type” organized by Elizabeth Prine Pauls, and Donna, C. Roper.
 2000 Ultra-High Resolution Topographic Mapping of a Briefly Occupied Initial Variant Site in Northwest Iowa. (with Lynn M. Alex) Joint Midwest and Plains Anthropological Conference, St. Paul, Minnesota.
 1999 “Great Oasis in Time and Space.” (with Joseph A. Tiffany) 57th Annual Plains Anthropological Conference, Sioux Fall, South Dakota
 1999 “Great Oasis in Time and Space.” (with Joseph A. Tiffany) 111th Annual Meeting of the Iowa Academy of Science, Ames, Iowa.
 1997 Beginnings of the Middle Missouri Tradition: New Data on Climate and Chronology. 55th Annual Plains Anthropological Conference, Boulder, Colorado.
 1996 “The Temporal Relationship of Great Oasis and the Initial Variant of the Middle Missouri Tradition.” 54th Annual Plains Anthropological Conference, Iowa City, Iowa.
 1996 “Great Oasis in Central Iowa: Two Sites and a Region Synthesis” (with John F. Doershuk, David L. Asch, and William Green). 41st Midwest Archaeological Conference, Beloit, Wisconsin.
 1995 “Rethinking Mill Creek Settlement and Agriculture Systems: New Data from the Phipps, Double Ditch, and Litka Sites” (with Fred A. Finney and Richard L. Fishel). 60th Annual Meeting, Society for American Archaeology, Minneapolis, Minnesota.
 1994 “Early Agricultural Field Systems from the Upper Midwest and Eastern Plains” (with William Gartner). Combined Southeastern Archaeological Conference and Midwest Archaeological Conference, Lexington, Kentucky.
 1994 “The Role of Fortification in the Eastern Initial Variant of the Middle Missouri Tradition.” 52nd Plains Anthropological Conference, Lubbock, Texas.
 1994 “Dealing with Risk in the Initial Middle Missouri Variant: Local Subsistence Systems and Regional Interaction Networks” (with Fred A. Finney). 59th Annual Meeting, Society for American Archaeology, Anaheim, California
 1993 “A Reanalysis of Eastern Initial Middle Missouri Radiocarbon Dates and the Implications for the Timing of Long-Distance Trade with Middle Mississippian Centers.” Midwest Archaeological Conference, Milwaukee, Wisconsin.
 1992 “Rethinking Mill Creek Radiocarbon Chronology.” 50th Plains Anthropological Conference, Lincoln, Nebraska.
 1992 “Survey Data Conversion, Automation, and Inventory Models.” In session, “Cultural Resources Management and Historic Preservation.” Mid-America GIS Symposium, Overland Park, Kansas.

- 1991 "Possible Ridged Fields at Two Sites of the Initial Middle Missouri Tradition in Northwest Iowa." 49th Plains Anthropological Conference, Lawrence, Kansas.
- 1991 "Public Programs on Archaeology in Iowa" (with Leah D. Rogers). In symposium, "State Archeological Education Programs." 49th Plains Anthropological Conference, Lawrence, Kansas.
- 1991 "Participation of Indians in Teacher Workshops. In symposium, "Foraging Links between Communities: Examples of Archaeologists and Native Americans Working Together in the Midwest." 1991 Annual Meeting of the Midwest Archaeological Conference, La Crosse, Wisconsin.
- 1991 Symposium: "Plains Woodland Interactions" (organizer). 1991 Annual Meeting of the Midwest Archaeological Conference, La Crosse, Wisconsin.
- 1991 "Explanations of Dietary Shifts in Mill Creek Culture Based on Age Structure of Data for White-Tailed Deer." 56th Annual Meeting of the Society for American Archaeology, New Orleans.
- 1990 "Age Structure of White-Tailed Deer from Initial Variant Sites in Iowa and the Implication for Explorations of Subsistence Change." 48th Plains Anthropological Conference, Oklahoma City.
- 1989 "Episodic Climatic Events and Mill Creek Culture Change: An Alternative Explanation." 47th Plains Anthropological Conference, Sioux Falls, South Dakota.
- 1989 "Resource Depletion and Inter-Societal Conflict in the Initial Variant of the Middle Missouri." 54th Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- 1988 "Subterranean Storage in Mill Creek and Nebraska Phase Sites in Iowa." 46th Plains Anthropological Conference, Wichita, Kansas.
- 1988 "A Dietary Comparison of Two Plains Village Societies." 53rd Annual Meeting, Society for American Archaeology, Phoenix, Arizona.
- 1987 "Lithic Resource Utilization at 13ML176, a Nebraska Phase Earthlodge in the Glenwood Locality, Iowa." 45th Annual Plains Conference, Columbia, Missouri.
- 1987 "Population and Settlement Trends in the Uplands of the Northern Prairie Peninsula: A Regional Comparison." Midwest Archaeological Conference, Milwaukee, Wisconsin.
- 1987 "Resource Induced Migration in Central North America: The Case of the Soggy Marsh." 52nd Annual Meeting, Society for American Archaeology, Toronto, Canada.
- 1986 "Dietary Use of Decapod Crustaceans in Nebraska Culture." 44th Annual Plains Conference, Denver, Colorado.
- 1986 "Prehistoric Locational Response to Climatic Episodes during the Holocene: An Example from the Uplands of the Prairie Peninsula." Midwest Archaeological Conference, Ohio State University, Columbia.
- 1985 "Prehistoric Settlement Patterns on the Southern Drift Plain as Revealed by the F-518 Project." 97th Annual Meeting, Iowa Academy of Science, Central College, Pella, Iowa.
- 1985 "A Quantitative Model of Central-Place Foraging." 50th Annual Meeting, Society for American Archaeology, Denver, Colorado.
- 1984 "Shape Analysis of Stylistic Variation in Projectile Points: A Glenwood Example." 42nd Annual Plains Conference, Lincoln, Nebraska.
- 1982 "Population Trends for Holocene Foragers: A Case Study from the Prairie Marshes of the Midwestern U.S." 47th Annual Meeting, Society for American Archaeology, Minneapolis, Minnesota.
- 1981 "Modeling Prehistoric Population Density Using Projectile Point Data." Midwest Archaeological Conference, Madison, Wisconsin.
- 1981 "Modeling Hunter-Gatherer Behavior in a Nonriverine Environment." Conference on Current Directions in Midwestern Archaeology, Mankato, Minnesota.
- 1980 "Human Use of Prairie Lakes and Marshes in Iowa's Prehistoric Past." 92nd Session, Iowa Academy of Science, Indianola, Iowa.
- 1979 "A Prehistoric Subsistence-Settlement Study in the Prairie Pothole Region: Survey Sampling Design in a Nonriverine Environment." 37th Annual Plains Conference, Kansas City.

PROFESSIONAL SOCIETIES AND HONORARIES

- American Anthropological Association, member since 1983–1991.
- Association of Iowa Archaeologists, fellow since 1982.
- Sigma Xi* Scientific Honorary, associate member, 1981–82, full member since 1986.
- Society for American Archaeology, member since 1980.
- Plains Anthropological Society, member since 1986.
- Iowa Archeological Society, member since 1980.

ACADEMIC SERVICE FUNCTIONS

- 2003– Series Editor, Report Series, Office of the State Archaeologist, University of Iowa.
- 2002– Board Member, Plum Grove Advisory Committee, State Historical Society of Iowa.
- 2002 Participating Research Scientist, Secondary Student Training Program, University of Iowa.
- 2001–02 Board Member, Iowa Archaeological Society.
- 2001 President, Association of Iowa Archaeologists.
- 1999–2000 Science mentor (with Lynn M. Alex), Korean Science Teacher's Workshop, University of Iowa.
- 1990–91 Participating Research Scientist, Secondary Science Training Program, University of Iowa.
- 1988 Participating Research Scientist, Secondary Science Training Program, University of Iowa.
- 1987–88 Co-Chair, Ph.D. Dissertation for Robert Thompson; M.A. Theses for Mark Edevold, Blane Nansel, Dean Smith.
- 1986 Chair, Anthropology Section, 98th Annual Meeting, Iowa Academy of Science.
- 1981 Participating Research Scientist, Secondary Science Training Program, University of Iowa.
- 1977–79 Colloquium Committee Member, Department of Anthropology, University of Iowa.

AREAS OF TEACHING EXPERTISE

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| Archaeological Method and Theory | North American Prehistory |
| American Indian | Midwestern Prehistory |
| Biological Anthropology | Southwestern Prehistory |
| Primate Ethology | Oceanic Prehistory |
| Statistical Methods | World Prehistory |