

CURRICULUM VITAE
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Bruce D. Smith

Department of Anthropology
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560
202.633.1882 (Voice)
202.357.2208 (Fax)
smithb@si.edu

2227 Glasgow Road
Alexandria, Virginia 22307
703.768.0259

Born:

1946 March 24, Iowa City, Iowa.

Education:

1964 Graduated Cranbrook School, Bloomfield Hills, Michigan
1968 B.A., University of Michigan (Anthropology)
1971 M.A., University of Michigan (Anthropology)
1973 Ph.D., University of Michigan (Anthropology)

Professional Appointments:

1973 - 1974 Assistant Professor, Department of Anthropology, Loyola
University of Chicago
1974 - 1977 Assistant Professor, Department of Anthropology, University
of Georgia
1977 - 1982 Associate Curator, Department of Anthropology, National
Museum of Natural History, Smithsonian Institution
1982 - 1991 Curator, Research Archaeologist, Department of Anthropology,
National Museum of Natural History, Smithsonian Institution
1991 - Curator, Senior Scientist, National Museum of Natural History,
Smithsonian Institution
1991 - 2004 Director, Archaeobiology Program, National Museum of
Natural History
1983 - 1984 Special Assistant to the Director, National Museum of Natural
History
1986 Assistant Director (January - July), National Museum of
Natural History
1983 - 1998 Adjunct Curator, Florida Museum of Natural History,
University of Florida.
1989 - 1990 Head, Division of Archaeology, Dept. of Anthropology, NMNH.

- 1998 – 2002 Head, Division of Archaeology, Dept. of Anthropology, NMNH.
 2003 – 2004 Acting Associate Director for Research and Collections, NMNH.
 2009 – Adjunct Professor, Climate Change Institute and Department of Anthropology, University of Maine.
 2011- Head, Division of Archaeology, Department of Anthropology, NMNH.

Elected Positions in Professional Organizations:

American Association for the Advancement of Science
 Representative of the Society for American Archaeology, on Section Committee H, 1994- 1996.
 Fellow, 1997-

Society for American Archaeology
 Secretary-elect 1984-1985, Secretary 1985-1988;
 President-elect 1992-1993, President 1993-1995.

Southeastern Archaeological Conference
 President-elect 1980-1981, President 1981-1983.

Anthropological Society of Washington
 Member, Board of Governors 1980-1981.

International Council for Archaeozoology
 International Committee, 1990-1998

National Academy of Sciences
 Section 51 representative, Class V Class Membership Committee 2005
 NAS Council representative, Class V Class membership Committee 2006
 Section 51 representative, Class V Class membership Committee 2006

Honors, Awards:

- 1972 Horace H. Rackham Prize Fellowship, University of Michigan
 1986 Regent's Publication Program Fellow for 1987, Smithsonian Institution
 1987 Robert L. Stigler, Jr. Lectures in Archaeology, University of Arkansas
 1988 Japan Society for the Promotion of Science Fellowship
 1990 W. S. Webb Lecture in Archaeology, University of Kentucky
 1993 Presidential Recognition Award, Society for American Archaeology
 1995 Special Achievement Award, Society for American Archaeology
 1996 James Henry Breasted Prize, American Historical Association. *Rivers of Change* selected as the best book in any field of history prior to

A.D. 1000

- 1997 Book Award, Society for American Archaeology. *The Emergence of Agriculture* selected as the best book in Archaeology written for a general audience
- 1997 Fellow, American Association for the Advancement of Science
- 2002 Brittingham Visiting Scholar, University of Wisconsin, Madison
- 2003 Elected to the United States National Academy of Sciences
- 2005 R. Fryxell Award and Medal for Interdisciplinary Research, Society for American Archaeology
- 2006 Distinguished Lecturer, 2006, Department of Anthropology, University of Kentucky
- 2007 NMNH 2006 Science Achievement Award
- 2010 Presidential Recognition Award, Society for American Archaeology.
- 2011 Elected to the American Academy of Arts and Sciences

Teaching Experience:

Introduction to Anthropology, Introduction to Prehistoric Archeology, Archeological Theory and Method, Human Ecology, South American Prehistory, North American Prehistory, Faunal analysis, The Evolution of Cultural Systems in the Eastern Woodlands, Prehistoric Subsistence in the Eastern Woodlands, The Origins of Agriculture.

Editorial and Review Experience:

Editorial Experience:

Series editor, Anthropological Papers of the University of Georgia, 1974 - 1977, Series co-editor (with Robert McC. Adams) The Smithsonian Series in Archaeological Inquiry, Smithsonian Institution Press, 1984 -2001; Associate Editor, Journal of Archaeological Research, edited by Gary Fineman and T. Douglas Price, Plenum Publishing Company; Editorial board member, Journal of World Prehistory, edited by Fred Wendorf and Angela Close 1998- 2006, Plenum Publishing Company; Associate Editor, Journal of Anthropological Research, Lawrence G. Straus, editor, University of New Mexico; Volume editor, Mississippian Settlement Patterns, Academic Press, 1978, Volume editor, The Mississippian Emergence, Smithsonian Institution Press, 1990, Volume co-editor (with Dan Rogers), Mississippian Households and Communities, University of Alabama Press, 1995. Volume co-editor (with Melinda Zeder, Dan Bradley, and Eve Emswiler) Documenting Domestication: New Genetic and Archaeological Paradigms, University of California Press, 2006.

Review Experience:

Manuscripts reviewed for the following journals: Proceedings of the National Academy of Science, Science, Nature, American Anthropologist, American Antiquity, Journal of World Prehistory, Journal of Archaeological Research, Ethnobiology, Economic Botany, Southeastern Archaeology,

North American Archaeology, Midcontinental Journal of Archaeology, Current Anthropology, Ethnohistory.

Grant proposals reviewed for the following organizations:

National Science Foundation, National Endowment for the Humanities, National Geographic Society, Wenner Gren.

Manuscripts and/or publication proposals reviewed for the following:

Academic Press, University of Alabama Press, Cambridge University Press, Duxbury Press, W.H. Freeman Publishing (Scientific American Books), University of Florida Press, Foundation for Illinois Archaeology, University of Kentucky Press, University of Missouri Press, University of Pennsylvania Press, Plenum Publishing Company, Smithsonian Institution Press, University of Tennessee Press, Time-Life Books.

Review panel experience:

National Endowment for the Humanities, Anthropology panel 1980, National Science Foundation, Anthropology panel 1982-1983, Smithsonian Institution, Material Culture Grants panel 1994, 1995, American Association for the Advancement of Science - National Park Service Cannon Fellowship panel, 2001, Smithsonian Institution Restricted Endowment Funds Grant Program, 2005, National Geographic Society Committee for Research and Exploration, 2001 - 2010.

Organization of Conferences and Symposia:

- 1975 Chairperson: Environmental and Subsistence Reconstruction in Southeastern Prehistory. Annual Meeting of the Southeastern Archaeological Conference. November 6-8, 1975. Gainesville, Florida.
- 1976 Chairperson: Subsistence Adaptation. Annual Meeting of the Southeastern Archeological Conference. November 4-6, 1976. Tuscaloosa, Alabama.
- 1978 Organizer, Chairperson: Mississippian Settlement patterns. Symposium at the 42nd Annual Meeting, Society for American Archaeology. April 28-30, New Orleans, LA.
- 1980 Co-organizer (along with Stephen Williams, Harvard University): The Mound Exploration Division of the Bureau of American Ethnology: A Centennial Retrospective. Conference at the National Museum of Natural History. January 9-11, 1980. Washington, D.C.
- 1980 Organizer, Chairperson: The Mound Exploration Division of the Bureau of American Ethnology. Annual Meeting of the

Southeastern Archaeological Conference. November 13-15, 1980.
New Orleans, Louisiana.

- 1987 Co-organizer (with Gayle Fritz). Scanning Electron Microscopy and Domesticated Plants: The micromorphological Evidence. Smithsonian Institution Conference. May, 1987.
- 1989 Co-organizer (with Dan Rogers). Households and Settlements in the Mississippian Period. Symposium at the Annual Meeting of the Society for American Archaeology, Atlanta, Georgia.
- 1990 Co-organizer (with Melinda Zeder). The Sixth International Conference, International Council for Archaeozoology. May 20-25, 1990. The Smithsonian Institution.
- 1992 Co-organizer (with Melinda Zeder). The Fifteenth Annual Conference of the Society of Ethnobiology. March 25-27, 1992. The Smithsonian Institution.
- 1994 Chairperson, Planning Committee. Save the Past for the Future Conference, organized by the Society for American Archaeology. Breckenridge, Colorado, September 19-24, 1994.
- 2001 Co-organizer (with Melinda Zeder). Understanding Domestication: New Biological and Archaeological Approaches. Symposium at the annual meeting of the American Association for the Advancement of Science. San Francisco, February 15-20, 2001.

Publications:

- 1968 (ed.) *Summer Science Journal* (Volume 1). Ann Arbor: Summer Science Incorporated.
- 1970 (ed.) *Summer Science Journal* (Volume 2). Ann Arbor: Summer Science Incorporated
- 1974 Predator-prey relationships in the southeastern Ozarks: A.D. 1300. *Human Ecology* 2:31-45.
- 1974 Middle Mississippi exploitation of animal populations: A predictive model. *American Antiquity* 38:274-291.
- 1975 Middle Mississippi exploitation of animal populations. Museum of Anthropology, University of Michigan, Anthropological Papers 57.

- 1975 Toward a more accurate estimate of the meat yield of animal species at archaeological sites. In Clason, A. T. (ed.) *Archaeozoological Studies*. New York: Elsevier Publishing Company, pp.98-106.
- 1976 Paleoeconomy, E. S. Higgs (ed.). Cambridge University Press. Review in *Human Ecology* 4:204-208.
- 1976 Twitching: A minor ailment affecting human paleoecological research. In *Cultural Change and Continuity*, Charles Cleland (ed.). New York: Academic Press, pp. 275-292.
- 1976 Gypsy Joint: A small Middle Mississippi site. *Southeastern Archaeological Conference Bulletin* 19:22-25.
- 1976 The research design of the 1975 Zebree project: A review. In Morse, D. and Morse, P. (ed.) *Zebree: A preliminary report of the Zebree project*, Arkansas Archaeological Survey Research Report 8:77-82.
- 1977 Archaeological inference and inductive confirmation. *American Anthropologist*, 79:589-617.
- 1977 Faunal analysis: problems and potential. *Journal of Field Archaeology* 4:131 (abstract).
- 1978 (ed.) *Mississippian Settlement Patterns*. New York: Academic Press.
- 1978 *Prehistoric Patterns of Human Behavior: A case study in the Mississippi Valley*. New York: Academic Press.
- 1978 Variation in Mississippian settlement patterns. In Smith, B. (ed.) *Mississippian Settlement Patterns*, New York: Academic Press, pp. 479-503.
- 1979 Determining the selectivity of utilization of animal populations by prehistoric human populations. American Antiquity 44:155-160.
- 1980 Middle Mississippi exploitation of the white-tailed deer. Southeastern Archaeological Conference Bulletin 17:
- 1980 The Temple Mound Builders. Chapter in The American Land. Washington, D.C.: Smithsonian Institution Books: 148-155.

- 1980 Review of Archaeology, by David Hurst Thomas. New York: Holt, Rinehart and Winston. American Anthropologist 82:634-635.
- 1981 Survey Methodology. In Georgia Archaeological Research Design, edited by Thomas H. Eubanks. Atlanta: Georgia Department of Natural Resources: 10-26.
- 1981 The Division of Mound Exploration of the Bureau of [American] Ethnology and the Birth of American Archeology. SEAC Bulletin 24:51-54.
- 1982 Explanation in Archeology. In Theory and Explanation in Archeology, edited by Colin Renfrew, Michael J. Rowlands, and Barbara Segraves: 73-82. New York: Academic Press.
- 1982 The History of the South Yard. Limited distribution 93 page report resulting from a phase one cultural resources impact analysis of the Quadrangle Project, Smithsonian Institution.
- 1983 Commentary. In How Humans Adapt: A Biocultural Odyssey, edited by Donald J. Ortner: 189-190. Washington, D.C.: Smithsonian Institution Press.
- 1983 Selectivity Determinations: A Continuum from Conservative to Confident. In Animals and Archaeology: Hunters and their Prey (Volume I) edited by C. Grigson and J. Clutton-Brock. British Archaeological Reports.
- 1983 A Cultural Chronology. Review of Ceramics, Chronology and Community Patterns, by Vincas P. Steponaitis. New York: Academic Press. Science 221: 945-946.
- 1983 Middle Mississippi Exploitation of Animal Populations. In The Late Prehistoric Southeast: A Sourcebook, edited by Chester B. DePratter. New York: Garland Publishing (Reprint of 1974 article published in American Antiquity).
- 1984 A Review of the Investigations at Cedar Grove. In Investigations at Cedar Grove, edited by Neal Trubowitz. Arkansas Archaeological Survey Research Series 23:274-277.
- 1984 Mississippian Expansion: Tracing the Historical Development of an Explanatory Model. Southeastern Archaeology 3: 13-32.
- 1984 Chenopodium as a Prehistoric Domesticated in Eastern North America: Evidence from Russell Cave, Alabama. Science 226:165-167.

- 1985 Mississippian Patterns of Subsistence and Settlement. In Alabama and the Borderlands: from Prehistory to Statehood. University of Alabama Press. Pp. 64-81.
- 1985 Introduction to the 1985 Edition. Report on the Mound Explorations of the Bureau of Ethnology, by Cyrus Thomas (originally published in 1894; 786 pp.). Seventh reprint in the Classics of Smithsonian Anthropology Series. Smithsonian Institution Press. pp. 5-19.
- 1985 The Role of Chenopodium as a Domesticated in Pre-maize Garden Systems of the Eastern United States. Southeastern Archaeology 4(1):51-72.
- 1985 Bruce D. Smith and Vicki Funk. A Newly Described Subfossil Cultivar of Chenopodium (Chenopodiaceae). Phytologia 57: 445-448.
- 1986 Chenopodium berlandieri subsp. jonesianum: Evidence for a Hopewellian Domesticated from Ash Cave, Ohio. Southeastern Archaeology 4:107-133.
- 1986 The Archaeology of the Southeastern United States: From Dalton to Desoto (10,500 B.P.-500 B.P.). In Advances In World archaeology, edited by Fred Wendorf and Angela E. Close. Orlando: Academic Press: Pp. 1-92.
- 1986 Paleoindian and Early Archaic Subsistence Strategies in Eastern North America. (junior author with David Meltzer), in Foraging, Collecting, and Harvesting: Archaic Period Subsistence and Settlement in the Eastern Woodlands, edited by Sarah W. Neusius, Center for Archaeological Investigations Occasional Paper 6. Pp.1-30.
- 1986 Review of Ideology, Power, and Prehistory, edited by Daniel Miller and Christopher Tilley. Cambridge: Cambridge University Press. American Anthropologist 88:221.
- 1986 Middle Mississippi exploitation of animal populations: A predictive model. Chapter 23 in The Late Prehistoric Southeast, edited by Chester B. DePratter. Garland Publishing, Inc. New York. (Reprint of article appearing in 1974 in American Antiquity 38:274-291.
- 1986 A Comparison of the Exploitation of Animal Species by Middle Mississippi and Fort Ancient Groups. Southeastern Archaeological Conference Newsletter 28:19-22.
- 1987 Review of Excavations at the Lake George Site Yazoo County, Mississippi,

Stephen Williams and Jeffrey P. Brain. Peabody Museum Papers 73. Cambridge: Harvard University Press. American Antiquity 52:197-199.

- 1987 The Independent Domestication of Indigenous Seed-Bearing Plants in Eastern North America. In Emergent Horticultural Economies of the Eastern Woodlands, edited by William Keegan. Southern Illinois University Center for Archaeological Investigations. Occasional Paper 7:3-47.
- 1987 The Economic Potential of Chenopodium berlandieri in Prehistoric Eastern North America. Ethnobiology 7:29-54.
- 1987 Bruce D. Smith and C. Wesley Cowan, Domesticated Chenopodium in Prehistoric Eastern North America: New Accelerator Dates from Eastern Kentucky. American Antiquity 52:355-357.
- 1988 The Contributions of the Federal Archaeology Program to Southeastern Prehistory: A Problem Oriented Perspective. In Advances in Southeastern Archaeology 1966 -1986:Contributions of the Federal Archaeology Program, edited by Bennie Keel. Southeastern Archaeological Conference Special Publication No. 6:50-52.
- 1988 Griffin, James B., David J. Meltzer, Bruce D. Smith, and William Sturtevant. A Mammoth Fraud in Science. American Antiquity 53(3):578-582.
- 1988 Fritz, Gayle, and Bruce D. Smith. Old Collections and New Technology: Documenting the Domestication of Chenopodium in Eastern North America. Midcontinental Journal of Archaeology 13:3-27.
- 1988 Scanning Electron Microscopy and the Identification of Micro-morphological Indicators of Domestication in Seed Plants. In Sandra Olsen, editor, Scanning Electron Microscopy in Archaeology, British Archaeological Reports, International Series 452, p. 203-214. Oxford.
- 1990 Origins of Agriculture in Eastern North America. Science. 246:1566-1571.
- 1990 (ed.) The Mississippian Emergence. Smithsonian Institution Press.
- 1990 Research on the Origins of Mississippian Chiefdoms in Eastern North America. In Mississippian Emergence, edited by Bruce D. Smith. Smithsonian Institution Press.

- 1990 The Division of Mound Exploration of the Bureau of Ethnology and the Birth of Modern American Archaeology. In Edward Palmer's Arkansaw Mounds, edited by Marvin D. Jeter. The University of Arkansas Press. Fayetteville.
- 1991 Bioarchaeology in a Broader Context. In What Mean These Bones?, Studies in Southeastern Bioarchaeology, edited by M.L. Powell, P. Bridges, and A.M. Wagner Mires, pp. 165-172. University of Alabama Press, Tuscaloosa.
- 1991 Harvest of Prehistory. The Sciences, May/June 1991:30-35.
- 1992 Mississippian Elites and Solar Alignments - A Reflection of Managerial Necessity, or Levers of Social Inequality? In Lords of the Southeast: Social Inequality and the Native Elites of Southeastern North America, edited by Alex Barker and Timothy Pauketat. Archaeological Papers of the American Anthropological Association 3:11-3:11-30.
- 1992 Rivers of Change: Essays on Early Agriculture in Eastern North America. Smithsonian Institution Press.
- 1992 Prehistoric Plant Husbandry in Eastern North America. In The Origins of Plant Cultivation in World Perspective, edited by C. W. Cowan and P.J. Watson. Smithsonian Institution Press.
- 1993 Reconciling the Gender-Credit Critique and the Floodplain Weed Theory of Plant Domestication. In Archaeology of Eastern North America, edited by James Stoltman. Archaeological Report 25, Mississippi Department of Archives and History, pp. 111-127.
- 1993 C. Wesley Cowan and Bruce D. Smith. The Wild Gourd of the Ozarks. The World and I. October 1993:200-206.
- 1993 C. Wesley Cowan and Bruce D. Smith. New Perspectives on a Wild Gourd in Eastern North America. Journal of Ethnobiology 13:17-54.
- 1993 Deena Decker-Walters, Terrence Walters, C. Wesley Cowan, and Bruce D. Smith. Isozymic Characterization of Wild Populations of Cucurbita pepo. Journal of Ethnobiology 13:55-72.
- 1995 The Emergence of Agriculture. W.H. Freeman and Company (Scientific American Books).

- 1995 The Origins of Agriculture in the Americas. Evolutionary Anthropology 3:174-184.
- 1995 Seed Plant Domestication in Eastern North America. In *Last Hunters First Farmers: New Perspectives on the Prehistoric Transition to Agriculture*, edited by T. Douglas Price and Anne Birgitte Gebauer. School of American Research, Santa Fe, New Mexico, pp.193-214.
- 1995 Mississippian Communities and Households, edited by J. Daniel Rogers and Bruce D. Smith. University of Alabama Press.
- 1995 The Analysis of Single Household Mississippian Settlements. In Mississippian Communities and Households. University of Alabama Press, pp. 224-249.
- 1995 (Linda Cordell and Bruce D. Smith) The Development of Horticultural Societies. Chapter 4, In *Cambridge History of the Native Peoples of the New World, North American Volume*, edited by Bruce G. Trigger and Wilcomb Washburn. Cambridge University Press.
- 1995 Ranked Agricultural Societies of the Eastern Woodlands. Chapter 5, In *Cambridge History of the Native Peoples of the New World, North American Volume*, edited by Bruce G. Trigger and Wilcomb Washburn. Cambridge University Press.
- 1995 Foreward. In Anthropological Perspectives on Plant Domestication and Utilization, edited by Kristen Gremillion. University of Alabama Press.
- 1995 Hopewellian Farmers of Eastern North America. In L'Homme et l'Habitat Pré- et protohistoriques. Conférences générales du Congrès. Monographien des Romisch-Germanischen Zentralmuseums 18: 47-93.
- 1995 Preface. Archaeologists of the Americas. Society for American Archaeology, Washington, D.C. pp. 5-6.
- 1995 Preface. Save the Past for the Future II: Report of the Working Conference. Society for American Archaeology, Washington, D.C. pp. 5-6
- 1995 Preface. Ethics in American Archaeology: Challenges for the 1990s, edited by Mark J. Lynott and Alston Wylie. Society for American Archaeology, Washington, D.C.

- 1997 The Initial Domestication of *Cucurbita pepo* in the Americas 10,000 years ago. Science 276:865-996.
- 1997 Reconsidering the Ocampo Caves and the Era of Incipient Cultivation. Latin American Archaeology 7(4):1-43.
- 1997 Remembering James B. Griffin. Midcontinental Journal of Archaeology 22:152-153.
- 1998 Between Foraging and Farming. *Science* 279:1651-1652.
- 1998 *The Emergence of Agriculture* (Paperback edition). Scientific American Library, W. H. Freeman, New York.
- 2000 Guilá Naquitz Revisited: Agricultural Origins in Oaxaca, Mexico. In Feinman, G. And Manzanilla, L. (eds.), *Cultural Evolution Contemporary Viewpoints*. Kluwer Academic / Plenum Publishers, New York, pp. 15-60
- 2001 Documenting plant domestication: The consilience of biological and archaeological approaches. *Proceedings of the National Academy of Sciences* 98:1324-1326.
- 2001 Low Level Food Production. *Journal of Archaeological Research* 9:1-43.
- 2001 The Transition to Food Production. In Price, T. D. and Feinman, G. (eds.) *Archaeology at the Millennium*. Kluwer Academic / Plenum Publishers, New York, pp. 199-229.
- 2002 *Rivers of Change* (Paperback edition). Smithsonian Institution Press.
- 2003 Bruce D. Smith and C. Wesley Cowan. Domesticated Crop Plants and the Evolution of Food Production Economies in Eastern North America. In Minnis, Paul (ed.) *People and Plants in Ancient Eastern North America*, Smithsonian Institution Press, Washington, D.C., pp. 105-125.
- 2003 Viviane Jaenicke-Despres, Ed. Buckler, Bruce D. Smith, M. Thomas Gilbert, Alan Cooper, John Doebley, Svante Paabo. Early Allelic Selection in Maize as Revealed by Ancient DNA. *Science* 302:1206-1208.
- 2005 Documenting The Transition to Food Production along the Borderlands. In Vierra, Brad (ed.) *The Late Archaic Across the Borderlands*, University of Texas Press, Austin, Texas, pp. 300-317.

- 2005 Low Level Food Production and the Northwest Coast. In Deur, Douglas, and Nancy Turner (eds.) *Keeping it Living: Traditions of Plant Use and Cultivation on the Northwest Coast of North America*. University of Washington Press. Seattle, Washington, pp. 37-67.
- 2005 Reassessing Coxcatlan Cave and the early history of domesticated plants in Mesoamerica. *PNAS*:102-9438-9445.
- 2005 David Erickson, Bruce D. Smith, Andrew C. Clarke, Daniel H. Sandweiss, and Noreen Tuross. An Asian origin for a 10,000-year-old domesticated plant in the Americas. *PNAS*: 102: 18315-18320.
- 2006 Human Behavioral Ecology and the Transition to Food Production. In Kennett, Douglas J. and Bruce Winterhalder (eds.) *Behavioral Ecology and the Transition to Agriculture*. University of California Press, Berkeley, California, pp. 289-304.
- 2006 Household, Community, and Subsistence in Hopewell Research. In Buikstra, J. and Douglas Charles (eds.), *Recreating Hopewell*, University of Florida Press, Gainesville, Florida, pp. 491-509
- 2006 Zeder, Melinda A., Eve Emshwiller, Dan Bradley, and Bruce D. Smith (eds.), *Documenting Domestication: New Genetic and Archaeological Paradigms*. University of California Press, Berkeley, California.
- 2006 Zeder, Melinda A., Eve Emshwiller, Dan Bradley, and Bruce D. Smith. Documenting Domestication: Bringing Together Plants, Animals, Archaeology, and Genetics. In: Melinda A. Zeder, Dan Bradley, Eve Emshwiller, and Bruce D. Smith (eds.), *Documenting Domestication: New Genetic and Archaeological Paradigms*. Berkeley: University of California Press, pp. 1-13.
- 2006 Documenting Domesticated Plants in the Archaeological Record. In Zeder, Melinda, Eve Emshwiller, Dan Bradley, and Bruce D. Smith (eds.) *Documenting Domestication: New Genetic and Archaeological Paradigms*. University of California Press, Berkeley, California, pp. 15-24.
2006. Seed Size Increase as a Marker of Plant Domestication. In Zeder, Melinda, Eve Emshwiller, Dan Bradley, and Bruce D. Smith (eds.) *Documenting Domestication: New Genetic and Archaeological Paradigms*. University of California Press, Berkeley, California, pp. 25-31.

- 2006 Viviane Jaenicke-Després and Bruce D. Smith, Ancient DNA and the Integration of Archaeological and genetic Approaches to the study of maize Domestication. In Staller, John, Robert Tykot, and Bruce Benz (eds.) *Histories of Maize: Multidisciplinary Approaches to the Prehistory, Biogeography, Domestication, and Evolution of Maize*. Elsevier Inc, San Diego, California, pp. 83-95.
- 2006 *Rivers of Change* (3rd Edition). University of Alabama Press, Tuscaloosa, Alabama.
- 2006 Zeder, Melinda, Eve Emshwiller, Bruce D. Smith, and Dan Bradley. Documenting Domestication: The Intersection of Genetics and Agriculture. *Trends in Genetics*. 22:139-155 (cover article).
- 2006 John Doebley, Brandon Gaut, and Bruce D. Smith. The Molecular Genetics of Crop Domestication. *Cell*. 127:1309-1321.
- 2006 Eastern North America as an Independent Center of Plant Domestication. *PNAS* 103:12223-12228.
- 2007 Plant and Animal Resources: Introduction. In Handbook of North American Indians, Volume 3: Environment, Origins, and Populations. Douglas Ubelaker (editor) Smithsonian Institution, Washington D.C. pp. 219-222.
- 2007 Handbook of North American Indians, Volume 3: Environment, Origins, and Populations. (Associate Editor, Douglas Ubelaker volume editor). Smithsonian Institution, Washington D.C. (in press).
- 2007 *The Mississippian Emergence*. Reissue of edited volume originally published by the Smithsonian Institution Press in 1978, University of Alabama Press.
- 2007 Preface to the new edition. *The Mississippian Emergence*. Reissue of edited volume originally published by the Smithsonian Institution Press in 1978, University of Alabama Press.
- 2007 The ultimate ecosystem engineers. *Science* 315: 1797-1798.
- 2007 Niche construction and the behavioral context of plant and animal domestication. *Evolutionary Anthropology* 16:188-199.
- 2007 Winnowing the archaeological evidence for domesticated sunflower in pre-Columbian Mesoamerica. *PNAS* 105: E45.

- 2009 Viviane Jaenicke-Després and Bruce D. Smith. Ancient DNA and the integration of archaeological and genetic approaches to the study of maize domestication. In John Staller, Robert H. Tykot, and Bruce F. Benz (editors). *Histories of Maize in Mesoamerica: Multidisciplinary Approaches*. Left Coast Press, Walnut Creek, California.
- 2009 Bruce D Smith and Richard A. Yarnell. Initial formation of an indigenous crop complex in eastern North America at 3800 B.P. *Proceedings of the National Academy of Sciences, USA*. 106:6561-6566. (Featured on cover)
- 2009 Core conceptual flaws in Human Behavioral Ecology. *Communicative and Integrative Biology*. In press.
- 2009 Melinda A. Zeder and Bruce D. Smith. A Conversation on Agricultural Origins: Talking Past Each Other in a Crowded Room. *Current Anthropology*. In press.
- 2009 Resource resiliency, human niche construction, and the long-term sustainability of pre-Columbian subsistence economies in the Mississippi River Valley corridor. *Ethnobiology* 29:167-183.
- 2011 Niche Construction and the Management of Wild Plant and Animal Resources by Small-scale Pre-industrial Societies. *Philosophical Transactions of the Royal Society B* 366:836-848.
- 2011 *The Subsistence Economies of Indigenous North American Societies* (editor). Smithsonian Institution Scholarly Publications / Rowman-Littlefield. Landover, Maryland
- 2011 Introduction: Indigenous North American Societies and the Environment. In *The Subsistence Economies of Indigenous North American Societies*, Bruce D. Smith, editor. Smithsonian Institution Scholarly Publications / Rowman-Littlefield. Landover, Maryland. pp. 1-10.
- 2011 Shaping the Natural World: Patterns of Human Niche Construction by Small-Scale Societies in North America, In *The Subsistence Economies of Indigenous North American Societies*, Bruce D. Smith, editor). Smithsonian Institution Scholarly Publications / Rowman-Littlefield. Landover, Maryland

2011 The cultural context of plant domestication in eastern North America.
Current Anthropology. Forthcoming

Papers:

1971 Powers Phase Hunting patterns. Paper presented at the 36th annual meeting, Society for American Archaeology. Norman, Oklahoma. May 3-6.

1972 Comparisons of Fort Ancient - Mississippian Faunal Utilization. Paper presented at the 29th Southeastern Archaeological Conference. Morgantown, West Virginia. October 12-14.

1973 Middle Mississippi Exploitation of the White-tailed Deer. Paper presented at the 30th Southeastern Archaeological Conference. Memphis, Tennessee. October 5-6.

1974 Middle Mississippi Exploitation of Animal Populations: A Predictive Model. Paper presented at the 39th annual meeting, Society for American Archaeology. Washington, D.C. May 2-4.

1974 Toward a More Accurate Estimation of the Meat Yield of Animal Species at Archaeological Sites. Paper presented at the Groningen Conference on Archaeozoology. Groningen, The Netherlands. April 22-26.

1974 The Emergence and Expansion of the Mississippian Cultural Tradition. Paper presented at an advanced seminar on the Mississippian Cultural Tradition. School of American Research. Santa Fe, New Mexico. November 11-15.

1975 Middle Mississippi Adaptation to Meander Belt Habitat Zones in the Eastern Woodlands. Paper presented at the 40th annual meeting, Society for American Archaeology. Dallas, Texas. May 8-10.

1975 The Gypsy Joint Site: A Middle Mississippi Homestead. Paper presented at the Midwest Archaeological Conference. Ann Arbor, Michigan. October 10-12.

1975 The Gypsy Joint Site: A Middle Mississippi Homestead. Paper presented at the 32nd Southeastern Archaeological Conference. Gainesville, Florida. November 6-8.

- 1976 Determining the Selectivity of Utilization of Animal Species by Prehistoric Human Populations. Paper presented at the 41st annual meeting of the Society for American Archaeology. St. Louis, Missouri. May 6-8.
- 1976 Faunal Analysis: Problems and Potential. Paper presented at the 41st annual meeting of the Society for American Archaeology. St. Louis, Missouri. May 6-8.
- 1977 Variations in the Complexity of Mississippian Settlement Patterns. Paper presented at the 42nd annual meeting of the Society for American Archaeology. New Orleans, Louisiana. April 28-30.
- 1978 The Advance Lowland project. Paper presented at the 35th Southeastern Archaeological Conference. Knoxville, Tennessee. November 15-18.
- 1979 The Shiloh Mounds Site: Evidence for Cahokia contact on the Middle Tennessee River. Paper presented at the Midwest Archaeological Conference. Milwaukee, Wisconsin October 12-14.
- 1979 An Archaeological Survey of the Advance Lowland. Paper presented at the 36th Southeastern Archaeological Conference. Atlanta, Georgia. November 8-10.
- 1979 "Explaining" Mississippian: Examples of Archaeological "Just So" Stories. Invited Paper presented in Plenary session, 78th annual meeting, American Anthropological Association. Cincinnati, Ohio. November 27-December 1.
- 1980 The Division of Mound Exploration of the Bureau of [American] Ethnology and the Birth of American Archaeology. Paper presented at the 37th Southeastern Archaeological Conference. New Orleans, Louisiana. November 13-15.
- 1980 Explanation in Archeology. Paper presented at the Second Theoretical Archaeology Conference. Southampton, England. December 14-16.
- 1981 Models of Mississippian Emergence. Paper presented at the 46th annual meeting, Society for American Archaeology. San Diego, California. April 30-May 2.
- 1981 Mississippian patterns of Subsistence and Settlement. Paper presented at a University of Alabama College of Arts and Sciences Sesquicentennial Symposium--Alabama and the Borderlands: from

Prehistory to Statehood. Tuscaloosa, Alabama. September 24-26.

- 1981 Global Problems and Human Solutions. Paper [seven minute commentary] presented at the Seventh International Symposium of the Smithsonian Institution--How Humans Adapt: A Biocultural Odyssey. Washington, D.C. November 8-12.
- 1982 Estimating the Availability of Animal Species in Preshistoric Environments. Paper presented at the Fourth International Conference, International Council for Archaeozoology. London, England. April 18-23.
- 1983 Cultural Origins and Interaction in the Upper Midwest: A Pointless Pursuit. Discussion Paper presented at the 48th annual meeting, Society for American Archaeology. Pittsburgh, Pennsylvania. April 27-30.
- 1984 The Prehistoric Utilization of Chenopodium in the Eastern Woodlands - New Evidence from Russell Cave, Alabama. Paper presented at the Seventh annual Ethnobiology Conference. Seattle, Washington. April 15-16.
- 1984 The Russell Cave "Chenopodium basket" and the Domestication of the Starchy Seed Complex in the Eastern Woodlands. Paper presented at the Midsouth Archaeological Conference. Pinson Mounds, Tennessee. June 9-10.
- 1985 The Origin of Archaic Subsistence Strategies. Paper presented at the Conference Foraging, Collecting, and Harvesting; Archaic Period Subsistence Strategies in the Eastern Woodlands. Center for Archaeological Investigations, Southern Illinois University, Carbondale, Illinois. April 12-13, 1985 (junior author with David Meltzer).
- 1985 The Evolution of Ranked Agricultural Societies: Models from the Eastern United States. Paper presented in the Symposium "Archaeological Investigation and Chiefdoms in America", International Congress of Americanists. Bogota, Columbia, July 8-12.
- 1986 A Seven Millennia Long Co-evolutionary Relationship: Plants and Humans in the Prehistoric Eastern United States. Paper presented at the Third USA-Soviet Archaeological Symposium. Smithsonian Institution, Washington, D.C. May 7-9, 1986.
- 1986 Late Woodland Cultural Change in the Eastern Woodlands. Invited

Discussant Paper, Keynote Symposium "Interpretations of Cultural Change in Eastern North America during the Late Woodland Period. Midwest Archaeological Conference. Columbus, Ohio. October 17-19, 1986.

- 1986 Federal Archaeology on the Cutting Edge in the Southeast. Invited discussant paper in the symposium "Advances in Southeastern Archaeology 1966-1986: Contributions of the Federal Archaeology Program. Southeastern Archaeological Conference. November 5-8, 1986. Nashville, Tennessee.
- 1987 Bruce D. Smith and Gayle Fritz. Accelerator Dating the Indigenous Cultigens of the Prehistoric Eastern Woodlands of North America. Invited paper presented in the symposium "Accelerator Radiocarbon Dating and the Reassessment of American Prehistory". Annual Meeting, American Association for the Advancement of Science. Chicago, Illinois Wednesday February 18, 1987.
- 1987 Hopewellian Farmers of Eastern North America. Plenary Session Paper. Eleventh World Congress. International Union of Prehistoric and Protohistoric Sciences. Mainz, Federal Republic of Germany. August 31-September 6, 1987.
- 1987 Pernicious Propriety Perceptions in Prehistory. Discussant Paper, Plenary Session "Mining the Archaeological Past: The Value and Potential of Extant Collections". Midwest Archaeological Conference. Milwaukee, Wisconsin, October 16-18.
- 1987 Cycles of Change. Discussant Paper in the symposium "Between Emergence and Demise: Examining Political Change in Mississippian Societies. Southeastern Archaeological Conference. Charleston, South Carolina, November 11-14.
- 1987 Aquatic Riches Large and Small. Discussant paper in the symposium "The Shrimpers are Coming: A Plausible but Possibly Unfalsifiable Hypothesis. Southeastern Archaeological Conference. Charleston, South Carolina, November 11-14.
- 1988 The Corporate and Domestic Spheres of Hopewellian Farming Societies. Paper presented in the symposium Villages and Towns: Southwest and Southeast Parallels, 53rd. Annual Meeting of the Society for American Archaeology. Phoenix, Arizona, April 27 - May 1, 1988.
- 1988 Miscasting Crops as External Prime Movers. Discussant paper in the symposium Plant Procurement, Plant Production, and Social

Relations in the Prehistoric Eastern Woodlands, 53rd. Annual Meeting of the Society for American Archaeology. Phoenix, Arizona, April 27 - May 1, 1988.

- 1988 Bruce D. Smith and Gayle Fritz. Explanations of the Emergence of Maize Agriculture in the Midwestern United States: A Critical Review. In the symposium "The Evidence for Late Prehistoric Agriculture in the Midwestern United States". 46th International Congress of Americanists. Amsterdam, Netherlands. July 4-8.
- 1989 New Directions in Archaeological Explanation. Discussant paper in the symposium Current Issues in Archaeological Theory and Method. First Joint Archaeological Congress. Baltimore, Maryland. January 5-9, 1989.
- 1989 Interdisciplinary directions in the 1990s. Discussant paper, Fryxell Symposium on interdisciplinary research. Annual meeting of the Society for American Archaeology. April 5-8. Atlanta, Georgia.
- 1989 Cosmic machines as levers of inequality. Paper presented at the History From Things Conference. April 10-12, Smithsonian Institution. April 10-12, 1989.
- 1990 Explaining change. Discussant paper, Symposium on Technology and Change. S. Dillon Ripley Center, Smithsonian Institution. February 5, 1990.
- 1990 The Initial emergence of Humans as a Major Force in Environmental Change. Paper presented in the Symposium "Global Change in the Geologic Record." Baird Auditorium, National Museum of Natural History, Smithsonian Institution. April 25, 1990.
- 1990 Mississippian Astronomical alignments - Managerial imperatives or Levers of Social Inequality? Paper presented in the symposium "Lords of the Southeast: Elites in archaeological and Ethnohistorical perspective." Southeastern Archaeological Conference, 47th Annual Meeting. November 7-10, Mobile, Alabama.
- 1990 Reading the Introduction of crop plants into Eastern North America. Round Table Paper in the Symposium Mesoamerican/Southeastern Connections. Southeastern Archaeological Conference, Mobile, Alabama. November 7-10.
- 1991 The Development of Food Producing Economies in Eastern North America. Paper presented in the symposium "The Origins of Agriculture: A

Global Perspective," 56th Annual Meeting of the Society for American Archaeology. New Orleans, April 23-28.

- 1991 Cahokia as a Complex Compact Chiefdom. Discussant paper for the symposium "Exploring and Exploding Myths About Cahokia," 56th Annual Meeting of the Society for American Archaeology. New Orleans, April 23-28.
- 1992 Deena Decker-Walters, Terrence Walters, C. Wesley Cowan, and Bruce D. Smith. Isozymic Characterization of Wild Populations of Cucurbita pepo. Paper presented at the 15th Annual Conference of Ethnobiology. March 25-27, 1992. Smithsonian Institution, Washington, D.C.
- 1992 C. Wesley Cowan and Bruce D. Smith. New Perspectives on a Free-Living Gourd in Eastern North America. Paper presented at the 15th Annual Conference of Ethnobiology. March 25-27, 1992. Smithsonian Institution, Washington, D.C.
- 1992 Considering the Gender-Credit Critique of the Floodplain Weed Theory of Plant Domestication. Paper presented in the Fryxell Symposium, 57th Annual Meeting of the Society for American Archaeology. April 8-12, 1992. Pittsburgh.
- 1993 The Development of Maize Agriculture in North America. Paper presented in the symposium "The Origin and Dispersal of Maize in the Americas". Annual Meeting of the American Association for the Advancement of Science. Boston, February 11-16. 1993.
- 1993 Prescience and Prehistory: Melvin Fowler's Remarkable Insights Regarding the Origins of Plant Domestication in Eastern North America. Plenary Session Paper, Midwestern Archaeological Conference. Milwaukee, Wisconsin, October 22-23, 1993
- 1994 Human Impact on the Forest Ecosystems of Eastern North America. Discussant paper in the symposium "Human Populations and Landscape Modification." Midwest Archaeological Conference / Southeastern Archaeological Conference. Lexington, Kentucky, November 7-10.
- 1995 The Domestication of *Cucurbita pepo*: Reassessing the Evidence from Tamaulipas. Paper presented at the Society of Ethnobiology 19th Annual Conference. Tucson, Arizona, March 15-18, 1995.
- 1995 Alternative perspectives on Native American Agriculture. Discussant

paper in the symposium “Native American Agricultural Strategies”,
58th Annual Meeting of the Society for American Archaeology,
Minneapolis, Minnesota May 4-10, 1995

- 1995 Robert Braidwood and the Origins of Agriculture in the Near East. Discussant paper in the Fryxell Symposium for Interdisciplinary Research, 58th Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota May 4-10, 1995.
- 1996 The Origins of Agriculture in the Americas: A Reassessment. Paper presented in the symposium “The 150th Year of Smithsonian Anthropology. 95th Annual Meeting of the American Anthropological Association, San Francisco, CA. November 20-24, 1996.
- 1996 AMS Radiocarbon Dates for Early Domesticated Plants from the Ocampo Caves, IX Coloquio De Paleobotanica Y Palinologia. Mexico City, D.F., 25-29 November, 1996.
- 1997 Identifying Low-Level Food Producing Economies: The Northwest Coast and Elsewhere. Paper presented in the symposium “Was the Northwest Coast Agricultural?": Aboriginal Plant Use Reconsidered. Annual Meeting of the American Association for the Advancement of Science, Seattle, WA. February 13-18, 1997.
- 2000 The Transition to Food Production. Paper presented in an invited plenary session, Archaeology at the Millennium. Annual Meeting of the Society for American Archaeology, Chicago, Illinois.
- 2000 Household, Community, and Subsistence. Invited Respondent paper at the Grafton Hopewell Conference, August, 2000.
- 2001 Documenting Plant domestication in the Archaeological Record. Paper presented in the symposium Documenting Domestication, New Biological and Archaeological Approaches. Annual meeting of the American Association for the Advancement of Science.
- 2002 New Perspectives on *Cucurbita pepo* in eastern North America. (With Deena Decker-Walters). Paper presented in the symposium “New Research on Early Agricultural Economies in the Southwest, Eastern North America, and the Northeast.” Annual Meeting of the Society for American Archaeology, Denver, Colorado, March 20-24, 2002.
- 2002 The Collections Challenge. Paper presented in the sponsored symposium

“Caring for Archaeological Collections”, Annual Meeting of the Society for American Archaeology, Denver, Colorado, March 20-24, 2002.

2006 Reconsidering Eastern North America as an Independent Center of Plant Domestication. Paper presented in a sponsored symposium, Annual Meeting of the Society for American Archaeology, San Juan Puerto Rico.

2008 Revisiting the Marble Bluff Sunflower Assemblage. Paper presented at the Annual Meeting of the Society for Ethnobiology, Fayetteville, Arkansas. April 16-21, 2008.

2009 The cultural context of plant domestication in eastern North America. Paper presented in Wenner-Gren Symposium, March 6-13, Merida, Mexico.

2009 The Origins of Agriculture: new perspectives. Invited Wiley-Liss Plenary Session paper. Human Biology Association. April 3, 2009.

2009 *General Patterns of Human Niche Construction*. Invited presentation, Archaeological Science Symposium, Kimmel Center for Archaeology, Weizman Institute, Rehovet, Israel. May 20, 2009.

2011 Looking for Evidence of Human Niche Construction in the Archaeological Record. Paper prepared for the Electronic Symposium *Current methods in Paleoethnobotany* Organized by Jade D’Alpoim Guedes, Christina Warinner & John M. Marston. 76th Annual Meeting of the Society for American Archaeology, Sacramento, California Friday morning, April 1, 2011.

Invited Lectures

1971 Patterns of Prehistoric Predation. Lecture, Biologisch-Archaeologisch Instituut, Groningen, The Netherlands. September 30.

1974 Man, Deer, and Wolves in the Eastern Ozarks. Lectures, Chicago Anthropological Society. Field Museum of Natural History, Chicago. April 5.

1975 Life on the Farm - A.D. 1300. Lecture, Georgia Anthropological Association, University of Georgia, Athens, Georgia. October 6.

- 1975 The Mississippian Emergence: Prehistoric Cultural Process in the Mississippi Valley. Lecture, University of Michigan, Ann Arbor, Michigan. March 4.
- 1976 Archaeological Sites and Cultural Resource Management. Lecture, Soil Conservation Service short course, Institute of Ecology, University of Georgia, Athens, Georgia. March 10.
- 1976 Human Paleoecology. Lecture, Institute of Ecology, University of Georgia, Athens, Georgia. October 7.
- 1977 The Prehistory of the Lower Mississippi Valley. Lecture, Cultural Resource Management short course, Southeast district, United States Forest Service. Knoxville, Tennessee. May 18.
- 1977 A Model of Mississippian Subsistence-Settlement Systems. Lecture, National Museum of Natural History, Washington, D.C. April 26.
- 1978 Prehistoric Chiefdoms in the Mississippi Valley. Lecture, Baird Auditorium, National Museum of Natural History, Washington, D.C. March 10.
- 1978 The Advance Lowland Project. Colloquium Lecture, National Museum of Natural History, Washington, D.C. November 15.
- 1979 Methods and Tactics of Archeological Surveys. Lecture, Alexandria Archaeological Laboratory, Alexandria, Virginia. June 16.
- 1979 Archaeological Survey of the Advance Lowland. Lecture, Archeological Laboratory. Catholic University, Washington, D.C. October 23.
- 1979 Subsistence and Settlement Pattern Analysis. Presentation to graduate seminar. George Washington University. Washington, D.C. November 14.
- 1980 Early Life on the Mississippi: The Temple Mound Builders. Lecture, Grand Rapids Public Museum. May 3.
- 1980 Prehistoric Eastern North America at A.D. 500-1000. Lecture. Oxford/Smithsonian Seminar, National Museum of Natural History. Washington, D.C. September 12.
- 1981 Prehistoric Adaptation to Flood Plain Environments: The Temple Mound Builders of the Southeast. Lecture. Western Carolina University, Cullowhee, North Carolina. April 9.

- 1981 The Temple Mound Builders of the Mississippi Valley. Lecture presented for the Smithsonian Resident Associate Program. National Museum of American History. April 23.
- 1982 Early Life on the Mississippi: The Temple Mound Builders. Lecture presented for the Smithsonian National Associates Program. University of Florida, Gainesville. February 5.
- 1982 The Temple Mound Builders of the Mississippi Valley. Lecture presented for the Smithsonian Resident Associates Program. National Museum of Natural History. February 22.
- 1983 Temple Mounds of the Southeast. Banquet address at the Thirty-fifth annual meeting of the Florida Anthropological Association. Tallahassee, Florida. April 9.
- 1984 Mississippian Emergence. Guest lecture, Graduate Seminar on North American Archaeology. Harvard University. March 14.
- 1984 The Prehistoric Cultivation of Chenopodium in Eastern North America: New Evidence From Russell Cave, Alabama. Archaeology Luncheon Lecture, Peabody Museum, Harvard, March 15.
- 1985 The Eastern Agricultural Complex: New Evidence Concerning the Origin of Prehistoric Plant Husbandry Systems in the Eastern Woodlands. Department of Anthropology Colloquium, National Museum of Natural History. February 27, 1985.
- 1985 Stable Carbon Isotope Analysis and the Emergence of Ranked Agricultural Societies in the Eastern Woodlands. Anthropology-Archaeometry Brown Bag Seminar. National Museum of Natural History. March 8, 1985.
- 1985 Early Man in North America: The Origins of Agriculture. Lecture in the National Associates Anthropology at the Smithsonian program. October 30, NMNH.
- 1985 Southeastern Public Archaeology on the Cutting Edge: New Information Concerning the Origins of Sedentism, Plant Husbandry, and Ranked Societies. Invited Lecture, Department of Anthropology, University of North Carolina, Chapel Hill. November 14.
- 1986 The Independent Domestication of Indigenous Seed-Bearing Plants in Eastern North America. Keynote Address, The Conference on

Emergent Horticultural Economies of the Eastern Woodlands.
Southern Illinois University, Carbondale. March 28-29, 1986.

- 1986 Early Life on the Mississippi: The Temple Mound Builders. Lecture presented for the Smithsonian National Associates Program. University of Southern Illinois, Carbondale. April 4, 1986.
- 1986 Early Life on the Mississippi: The Temple Mound Builders. Lecture presented for the Smithsonian National Associates Program. Smithsonian Institution, Washington, D.C. September 23, 1986.
- 1986 Southeastern Public Archaeology on the Cutting Edge: New Information Concerning the Origins of Sedentism, Plant Husbandry, and Ranked Societies. Invited Lecture to the Institute of Archaeology and Anthropology and Department of Anthropology, University of South Carolina, Columbia. November 3, 1986.
- 1986 Changing perceptions of agricultural origins in the East. Invited lecture to the Institute of Archaeology and Anthropology, University of South Carolina, Columbia. November 3, 1986.
- 1986 Southeastern Public Archaeology on the Cutting Edge: New Information Concerning the Origins of Sedentism, Plant Husbandry, and Ranked Societies. Invited Lecture to the Department of Anthropology, University of Tennessee, Knoxville. November 4, 1986.
- 1986 The Independent Domestication of Indigenous Seed-Plants in the Eastern Woodlands of North America. Invited Lecture to the Department of Anthropology, University of Tennessee, Knoxville. November 5, 1986.
- 1987 Mississippian Chiefdoms in the Southeastern United States. Invited Lecture, Cincinnati Museum of Natural History. March 3, 1987.
- 1987 In Search of Choupichoul, the Mystical Grain of the Natchez. Invited Keynote Banquet Presentation, Society of Ethnobiology. Gainesville, Florida. March 6, 1987
- 1987 Investigating the Past: Prehistoric Temple Mound Builders of the Eastern United States. Invited Lecture, Smithsonian Lecture Series. Resident Associate Program, Smithsonian Institution. National Museum of Natural History. April 14, 1987.
- 1987 In Search of Hopewell Villages. Invited Brown Bag Lecture, Museum of Anthropology, University of Michigan. Ann Arbor, Michigan October

9, 1987.

- 1987 Documenting Eastern North America as an Independent Center of Plant Domestication: Old Collections and New Technology, and The Search for Hopewell Villages: Early Prehistoric Farming Settlements in Eastern North America. The Robert L. Stigler. Lectures in Archaeology. University of Arkansas. Fayetteville, Arkansas, November 2-3.
- 1987 Warriors, Chiefs, and Priests: Prehistoric Moundbuilder Societies of the Southeast. Invited lecture, Mountain Heritage Center, Western Carolina University. Cullowhee, North Carolina. November 18.
- 1988 Complex Hunter Gatherers or Farmers: the Hopewell Question. Invited Lecture, University of Wisconsin-Milwaukee. February 3.
- 1988 In Search of Hopewell Villages. Invited Lecture. Department of Anthropology, University of Virginia. Charlottesville, Virginia. February 14, 1987.
- 1988 The Initial Development of Ranked Agricultural Societies of the Prehistoric Eastern Woodlands of North America. Invited Lecture, Department of Anthropology, University of Chicago, Chicago, Illinois. March 3, 1988.
- 1989 The Origins of Agriculture in Eastern North America. Invited Lecture, The University of Delaware, Newark, Delaware. April 21.
- 1989 Chiefs, Priests, and Warriors: Mississippian Societies of Eastern North America. Keynote Banquet Address. Missouri Archaeological Society Annual Meeting. Columbia, Missouri. April 28th.
- 1990 A View of Three African Chairs. The Smithsonian Forum on Material Culture. Ninth Dinner Meeting. National Museum of African Art, Smithsonian Institution. February 22, 1990.
- 1990 First Farmers of North America. Dinner presentation, 325th Dinner of the New York Farmers. The Union Club, New York, New York. February 26, 1990.
- 1990 Farmers, Chiefs, and Warriors: Prehistoric Societies in Eastern North America. W.S. Webb Lecture. University of Kentucky. October 26, 1990.
- 1991 The Calusa and Mississippian Societies: Chiefdoms based on agricultural

and marine resources. Lecture to the Florida Archaeology Foundation, February 2, Ft. Myers.

- 1992 Politics, Prehistory, and the Wild Ozark Gourd. Banquet Lecture, Learning from Things Conference. Ripley Center, Smithsonian Institution, April 26, 1993.
- 1993 The Origins of Agriculture in the New World. Department of Anthropology, University of Wisconsin, Madison Wisconsin. October 28, 1993.
- 1994 The Origins of Agriculture. A series of seven lectures presented to a graduate seminar at the University of California, Santa Barbara. May 1-14, 1994.
- 1994 The Emergence of Agriculture. Lecture presented to the Literary Society, Washington, D. C. October 18, 1994.
- 1995 The Origins of Agriculture in the Americas. Department of Botany Seminar, National Museum of Natural History. January 10, 1995.
- 1995 The Origins of Agriculture in the Americas: New Approaches, New Standards of Evidence. Lecture presented at Harvard University, Peabody Museum of American Ethnology and Ethnology, Cambridge, MA. August 30, 1995.
- 1995 The Emergence of Agriculture. Interview on National Public Radio - All Things Considered. Minnesota Public Radio, September 4, 1995.
- 1996 New Information on the Originsof Agriculture in the Americas. Presentation to the Smithsonian Institution Congress of Scholars Representatives. January 8, 1997.
- 1997 Origins of Agriculture in the Americas. Presentation to finalists in the Westinghouse Science Talent Search. National Museum of Natural History, March 8, 1997.
- 1997 The Temple Mound Builders of Eastern North America. Lecture presented in the Public Session, Annual Meeting of the Society for American Archaeology, Nashville, Tennessee, April 2-6, 1997.
- 1999 New Perspectives on Agricultural Origins in the Americas. Invited lecture at the University of Wisconsin, Madison, March, 1999.
- 1999 Documenting Domestication in the Archaeological Record. Invited Lecture

at the University of Minnesota, Minneapolis. April, 1999.

2003 Low Level Food Production, or how Vegetables Domesticated Humans. Invited Dinner Lecture. Senate of Sciences, National Museum of Natural History, Washington D.C.

2004 New Research on Agricultural Origins. Invited Lecture, National Academy of Sciences, Washington, D.C. April 2004.

2005 The Origins of Agriculture World-Wide. Invited Lecture at Ohio State University, Columbus, Ohio, May 20, 2005.

2006 Ancient DNA and the Early History of Bottle Gourds (and Humans) in the Americas. University of Kentucky Department of Anthropology Distinguished Lecture – 2006, March 3, 2006.

2006 Solving the African Enigma: New aDNA Analysis of Archaeological Bottle Gourds in the Americas. Invited Lecture, Department of Anthropology, University of Toronto, Toronto, Canada, March 17, 2006.

2006 The Attack of the Swamp People. Invited lecture, Department of Anthropology and the Peabody Museum, Harvard University, Cambridge, MA, April 5, 2006.

2006 *Lagenaria siceraria*: Genetic and Archaeological Evidence for the Early History of Domesticated Bottle Gourd. Invited Lecture in the Meeting *Plants, People and Evolution*, The Linnean Society of London. August 4, 2006.

2007 The early history of humans and bottle gourds (*Lagenaria siceraria*) in the Americas. Invited lecture, Mississippi State University, Starkville, Mississippi. February, 2007.

2008 *Research Grant Programs of the National Geographic Society*. Invited Presentation to the Department of Anthropology, University of North Carolina, Chapel Hill, Thursday February 21, 2008.

2008 *Pre-Columbian Population Size in The Americas - A Critical View of "1491" by Charles Mann*. Presentation to retired demographers et al. Fairfax County, Virginia. March 1, 2008.

2008 *Major Themes in the Archaeology Grants of The National Geographic Society* (with Melinda Zeder). Presentation to the Grosenevor Council, Santa Fe New Mexico March 28, 2008.

2008 *Human Niche Construction and Low Level Food Production*. Invited Lecture presented in the Post-Graduate Course "Mode and Extent of Human Impact on the Landscape from prehistoric Periods Until the Middle Ages. Institute for Prehistory and Archaeological Science. Basel University. September 10-12, 2008.

2008 *General Patterns of Niche Construction by Small-Scale Pre-Industrial Societies*. Invited Lecture. In the Conference **Humanity between Biology and Culture: The Niche Construction Perspective**. **Sponsored** by the Department of Anthropology and the Institute of Advanced Study, University of Durham, in association with the AHRC Centre for the Evolution of Cultural Diversity. Durham, England, 17 October, 2008.

2008 *The Origins of Agriculture*. Invited Lecture. The Fred Wendorf Distinguished Lecture in Archaeology. Southern Methodist University. Dallas Texas. November 12, 2008.

2009 *Patterns of human niche construction by North American indigenous societies*. Invited lecture, Washington Univeristy and the Missouri Botanical Garden. April 10, 2009.

2009 *The early history of the bottle gourd and humans*. Invited lecture, Hebrew University, Jerusalem, Israel. May 25, 2009.

2009 *Niche Construction theory and environmental management by small-scale societies*. Invited lecture. The Santa Fe Institute, Santa Fe, New Mexico. June 13, 2009.

2010 *Where Our Food Comes From: The Origins of Agriculture*. Invited lecture, Harvard Museum of Natural History. Cambridge Ma. February 18, 2010.

2011 *The Origins of Agriculture*. Invited Lecture, Penn State University, State College, PA. April 15, 2011.

Grants

1974 Project Director, Excavation of the Gypsy Joint Site. Carried out under National Science Foundation grant GS 3215 to James B. Griffin, University of Michigan.

1976 Principal Investigator, Faunal Laboratory Development Project. Historic

Preservation Section, Department of Natural Resources, State of Georgia (\$9,750).

- 1977 Principal Investigator, Faunal Laboratory. Historic Preservation Section, Department of Natural Resources, State of Georgia (\$8,500).
- 1978 Principal Investigator, Fluid Research funding from the Smithsonian institution for Archeological Research in Missouri (\$1,560).
- 1978 Principal Investigator, Advance Lowland Project. Smithsonian Institution Research Awards Program (\$19,960).
- 1979 Principal Investigator, Archeological Survey of the Advance Lowland. Smithsonian Institution Research Awards Program (\$3,600).
- 1979 Principal Investigator, Archeological Survey of the Advance Lowland. Fluid Research Funding from the Smithsonian Institution (\$2,500).
- 1979 Principal Investigator, The Mound Exploration Division of the Bureau of American Ethnology: A Centennial Retrospective. Smithsonian Institution Scholarly Studies Program (\$3,000).
- 1980 Second Theoretical Archeology Conference. Southampton, England. Fluid research grant to attend conference (\$1,400).
- 1982 Fourth International Council for Archaeozoology. London, England. Fluid research grant to attend conference (\$1,580).
- 1983 Twenty Third Annual Archaeometry Conference, Naples, Italy. Fluid Research grant to attend conference (\$1,950). At the request of the Director, NMNH, this conference was not attended. The search for a new Assistant Director for Exhibits, and the writing of the Exhibits Transition Report were in progress.
- 1984 Seventh Annual Ethnobiology Conference, Seattle, Washington. Fluid Research Grant to attend conference (\$1,100).
- 1984 Fall Harvest of Chenopodium. Research Opportunities Fund Grant (\$1,620).
- 1985 Fall Harvest of Chenopodium. Research Opportunities Fund Grant (\$1,800).
- 1987 Presentation of lectures in Cincinnati and Gainesville. Research Opportunities Fund Grant (\$1,000).

- 1987 SEM and Domesticated Plants: The Micromorphological Evidence. Small conference Grant, Office of Fellowships and Grants, Smithsonian Institution (\$5,000).
- 1987 Fall Harvesting of eastern seed plants. Resrach Opportunities Fund Grant (\$1,000).
- 1989 Stable Carbon Isotope Analysis research. Research Opportunities Fund Grant (\$3,000).
- 1989 The Powers Phase Project. Scholarly Studies Program Grant (\$59,950).
- 1990 Ozarks Gourd Survey Project. Research Opportunities Fund Grant (\$2,000).
- 1990 Funding Support obtained for the International Congress of Archaeozoology:
 * National Science Foundation, \$23,000 in travel support funding
 * S.I., \$37,000 in travel support funding
 * NMNH, \$10,000 in conference support funding
 *USAID, \$10,000 in conference support funding
- 1992 The Powers Phase Project II. Scholarly Studies Program Grant (\$65,594).
- 1992-Funding support from ROF to attend scientific meetings and to study museum and (2001) university collections (\$2,000 per year).
- 1996 Origins of Agriculture in Mexico. Research Initiatives Grant Program, National Museum of Natural History (\$9,000)
- 2002 The Origin and Domestication of Bottle Gourd in the Americas. (\$70,000) Scholarly Studies Program, Smithsonian Institution.
- 2005 Radiocarbon Fund grant: \$4,872
- 2010 NMNH Small grant program: \$2,000
- Administrative and Committee Duties - NMNH, SI, Government Agencies***
- Long term:***
 1977-82 S.I. Review and comment on Antiquity Act permits to conduct archaeological research on Federal lands, Department of the Interior.

- 1977-80 Anthropology Academic Steering Committee (Fellowship), SI.
- 1978-81 Naturalist Center Committee, NMNH
- 1979-82 Committee on Urgent Anthropology, NMNH
- 1980-83 Exhibits Committee (Chairman, 1981-1983), NMNH
- 1983 Special Assistant to the Director, NMNH
- 1984-87 Anthropology Academic Steering Committee (Fellowships), SI
- 1985-87 Chairman, Anthropology Space Committee
- 1985-88 Member, Department of the Interior Panel for the Review of National
Historic Landmark Nominations.
- 1989-1992 Member, Steering Committee, Smithsonian Institution - University
Consortium for Material culture Research.
- 1989-90 Head, Division of Archaeology, Department of Anthropology.
- 1991- Director, Archaeobiology Program, NMNH.
- 1991-95 Alternate, Material Culture Steering Committee, S.I.
- 1996-97 Alternate, Department of Anthropology, PAEC Committee, NMNH.
- 1997-1998 Departmental Representative, Anthropology. PAEC Committee,
NMNH.
- 1998-2002 Head, Division of Archaeology, Department of Anthropology
- 1999 Member, NMNH Task Force for PAEC Revision
- 1999-2000 Chair, Professional Accomplishment Evaluation Committee, NMNH.
- 1998-2002 Member, Public Programs Committee, National Museum of Natural
History.
- 2001- Member, Radiocarbon Committee, NMNH.
- 2003-04 Acting Associate Director for Research and Collections, National
Museum of Natural History, September - January.

Short term:

- 1978 NMNH Exhibits Committee, Alternate for Dennis Stanford (August -
December).
- 1978 Folklife Advisory Council, Alternate for William Fitzhugh (August).
- 1979 Acting Chairman, Department of Anthropology. August 13-23.
- 1979 NMNH Exhibits Committee, Alternate for Dennis Stanford (June -
October).
- 1979 Anthropology Collections Committee, Alternate for William
Trousdale (July-October).
- 1979 Acting Chairman, Department of Anthropology. October 26 -
November 5.
- 1979 Consulting Committee on potential National Historic Landmarks.
U.S. Department of the Interior, Heritage Conservation and
Recreation Service.
- 1983 Chairman, Exhibits Transition Committee, NMNH.
- 1983 Chairman, Search Committee, Assistant Director For Exhibits,
NMNH.
- 1983 Chairman, Bacon Fellowship Selection Committee, NMNH.
- 1983 Member, Search Committee, Hominid Evolution Curator position.

1984 Member, Library Committee, Anthropology
 1984 Member, Collections Manager Search Committee, Anthropology
 1985 Member, Physical Anthropology Curator Search Committee
 1985 Member, Director NMNH Search Committee, SI.
 1985 Acting Chairman, Anthropology, October 2-15.
 1986 Assistant Director, NMNH (January - July)
 1986 Acting Director, NMNH (June 16-19)
 1988 Interim Chairman, Department of Anthropology (May - July)
 1990 Acting co-chair, September.
 1991 Chair, Search Committee for Zooarchaeology Curator position.
 1994 Panel member, Smithsonian Institution Collections Based Research Fund.
 1994 National Park System Advisory Board, Humanities Review Committee.
 1995 Panel Member, Smithsonian Institution Collections Based Research Fund.
 1995-96 Pre-screening Committee member, NMNH Research Training Program.
 1997 Panel Member, Rating Panel for Associate Director for Research and Collections Search, NMNH.
 2000 Chair, Professional Accomplishments Evaluation Committee, National Museum of Natural History.
 2000 Member, Office of Repatriation Director Search Committee, NMNH.
 2001 Member, AAAS/NPS Cannon Fellowship selection panel.
 2001 Member, Molecular Systematics Laboratory Director Search Committee, NMNH.
 2001 Member, Office of Repatriation Case Officer Search Committee
 2002 Acting Chair, Department of Anthropology, April-May
 2003 Member, Associate Director for Research and Collections, NMNH, Search Committee.
 2005 Member, Smithsonian Institution Restricted Endowments Grant Award Review Panel
 2006 Member, Smithsonian Institution Anthropology Fellowships Review Committee
 2007 Member, Smithsonian Institution Anthropology Fellowships Review Committee