

## Curriculum vitae

### **GAYLE JEANNINE FRITZ**

**CURRENT STATUS:** Professor, Department of Anthropology, with Courtesy Appointment in Department of Biology, Washington University in St. Louis.

#### DEGREES HELD

Ph.D., Anthropology, University of North Carolina at Chapel Hill, 1986.

M.A., Anthropology, University of Texas at Austin, 1975.

A.B., Classical Archaeology, University of Michigan, Ann Arbor, 1969.

#### FELLOWSHIPS AND AWARDS RECEIVED

2014	NSF Doctoral Dissertation Improvement Grant BCS 1360868 (Co-P.I. Natalie Mueller)
2013	Award for Excellence in Archaeological Analysis, Society for American Archaeology
2013 (Summer)	Faculty Research Grant, Washington University in St. Louis
2011	NSF Doctoral Dissertation Improvement Grant BCS-1212559 (Co-P.I. Clarissa Cagnato)
2009 (Summer)	Faculty Research Grant, Washington University in St. Louis
2007-2008	Archaeobotanical consultant on National Science Foundation (NSF) grant "Joara and Fort San Juan: Colonialism and Household Practice at the Berry Site, North Carolina" (Robin Beck, David Moore, and Christopher Rodning, P.I.'s)
2006	NSF Doctoral Dissertation Improvement Grant BCS-0602406 (Co-P.I. Catrina Adams)
2005	NSF Doctoral Dissertation Improvement Grant BCS-0507899 (Co-P.I. Kevin Hanselka)
2004	NSF Doctoral Dissertation Improvement Grant BCS-0431137 (Co-P.I. Sarah Walshaw)
2004	Fellow, American Association for the Advancement of Science
2003	NSF Doctoral Dissertation Improvement Grant BCS-03324748 (Co-P.I. Karla Hansen-Speer)
2003	Faculty Research Grant, Washington University in St. Louis
2001	Cahokia Mounds Museum Society grant for summer fieldwork
2000	Technology and Curriculum Initiative Grant, College of A&S, Washington University
2001	NSF Doctoral Dissertation Improvement Grant BCS-0118849 (Co-P.I. Kathryn Roberts)
2001-2002	(co-P.I.) Intellectual Imperatives in Ethnobiology, NSF-funded workshop at Missouri Botanical Garden
2001-2002	Interdisciplinary Teaching Initiative Grant, Arts and Sciences, Washington University in St. Louis
2001	Cahokia Mounds Museum Society Research Grant for Fields of Cahokia Site Survey
2000	Technology and Curriculum Initiative Grant, Arts and Sciences, Washington University in St. Louis
1999	Faculty Research Grant, Washington University in St. Louis
1997	NSF Doctoral Dissertation Improvement Grant SBR-9731555 (Co-P.I. Michele Williams)
1994	National Endowment for the Humanities Summer Stipend
1994	Faculty Research Grant, Washington University in St. Louis
1993	National Science Foundation, Division of Undergraduate Education, Instrumentation and Laboratory Improvement Grant (Fritz is P.I.; P. J. Watson is Co-P.I.)
1991	C. B. Moore Award "For Excellence in Archaeology by a Young Scholar in Southeastern Studies"
1986-1987	Smithsonian Institution Postdoctoral Fellowship
1985-1986	NSF Doctoral Dissertation Improvement Grant, #BSN-8507389 (R. A. Yarnell, P.I.)
1984	Dissertation Research Fellowship, Graduate School, UNC-Chapel Hill
1981-1982	Biomedical Research Award, Graduate School, University of North Carolina at Chapel Hill

#### COURSES TAUGHT

At Washington University in St. Louis: Archaeological Fantasies and Hoaxes; Archaeology of Food and Drink; People and Plants: Paleoethnobotany and Ethnobotany; Culture History of the Southwest;

Pathways to Domestication ; Native Americans at Contact and Westward Expansion; Plants and American People; Advanced Paleoethnobotany; Archaeobotanical Analysis; Seminars in North American Prehistory; Ancient Moundbuilders of the Mississippi Valley  
 At the University of Michigan: Prehistory of North America; Introduction to Archaeology; Seminar on Culture Change in the Prehistoric Southeastern U.S.; Seminar on Domestication of Indigenous North American Plants

**GRADUATE STUDENTS SUPPORTED AS MAJOR ADVISOR:**

Ph.D.'s Completed: Ksenija Borojevic (1997), Michele Williams (2000), Gina Powell (2001), Katherine Roberts (2005), Sarah Walshaw (2005), Karla Hansen-Speer (2006), Angela Gordon Glore (2006), Catrina Adams (2009), John Kevin Hanselka (2011), Robert Spengler (2013)

Ph.D.'s In Progress (Year Started): Clarissa Cagnato (2008); BrieAnna Langlie (2009); Natalie Mueller (2010); Kelsey Nordine (2012)

**FIELDWORK:**

2010 and 2011, Summer	Archaeobotany Workshop at the Center for American Archeology, Kampsville
2010, Summer	Flotation recovery at the Berry Site, Catawba County, North Carolina
2008, Summer	Flotation recovery, feature excavation, and supervision of paleoethnobotanical research at the Berry Site, Catawba County, North Carolina
2007, Summer	Flotation recovery at the Berry Site, Catawba County, North Carolina
2006, July	Site Survey and Ethnobotanical Reconnaissance, Southern Chihuahua, Mexico
2006, June	Flotation Recovery at the Berry Site, North Carolina
2003, November	Excavations at the Wallace Bottom site, Arkansas County, Arkansas
2001, Summer	Fields of Cahokia Survey, St. Clair, Co., Illinois
1998 and 1999, (Summers)	Consultant at Cerro Juanaqueña Chihuahua, NSF-funded research project
1997 and 1998	Consultant at Cañada de Cochiti, Univ. of New Mexico Field School site
1996, Summer	Excavations at the Routh Site, Tensas Parish, Louisiana
1992, Summer	Test Excavations at the Blackwater, Jolly, and Emerson sites in Tensas Parish, Louisiana
1991, Summer	Work at sites in Louisiana, Texas, and Oklahoma
1991, Spring	Excavations at Mound 1, Cahokia, Illinois. As instructor of Excavation Techniques (Anthro. 390)
1989, Summer	Excavations at the Osceola Site, Louisiana. Project Paleoethnobotanist for the Harvard Univ.-Peabody Museum Coles Creek Subsistence Expedition
1988, Summer	Visits to conduct flotation at the Toltec Mounds Site in Arkansas and the Josh Paulk Site in Louisiana
1981, Summer	Excavations at Huntsville Mounds (Season Two); Asst. to Field School Director, Arkansas Arch. Survey
1980, Summer	Excavations at the Huntsville Mounds Site, NW Arkansas; Asst. to Field School Director, Arkansas Archeological Survey
1978-1980	Site survey and testing as regular part of job (Asst. Survey Archeologist, Arkansas Archaeological Survey)
1975, Summer	Survey of the Mimbres River Valley, New Mexico; Crew member for the Mimbres Foundation
1974, Spring	Survey of prairie zone in central Illinois Crew member for the Foundation for Illinois Archaeology
1972, Fall	Survey of Matagorda Bay, Texas; Project Director for the Texas Archeological Survey
1971, Summer	Excavations at Gomolava, Yugoslavia; Crew member for the Museum of Vojvodina

**EMPLOYMENT:**

2004-present	Professor, Department of Anthropology, Washington University in St. Louis, with courtesy appointment in the Department of Biology
1997-2004	Associate Professor, Department of Anthropology, Washington Univ. in St Louis
1990-1996	Assistant Professor, Department of Anthropology, Washington Univ. in St Louis

Sept., 1987      Visiting Assistant Professor and Visiting Curator,  
to 9/90          Museum of Anthropology, Univ. of Michigan  
1986-1987      Postdoctoral Fellow, Dept. of Anthropology, Smithsonian Institution, Washington, D.C.  
1981-1985      Univ. of North Carolina, Chapel Hill (Teaching Asst., Research Asst., and Instructor)  
1978-1980      Assistant to the Survey Archeologist, Arkansas Archeological Survey, Fayetteville  
1976-1978      Survey Registrar, Arkansas Archeological Survey  
1972-1973      Staff Archeologist, Texas Archeological Survey  
1971-1972      Research Assistant, Environmental Planning Division, Texas General Land Office, Austin  
1970-1971      Student Guide, J. Paul Getty Museum, Malibu

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

Society for American Archaeology, Society of Ethnobiology, Southeastern Archaeological Conference, Society for Economic Botany, Illinois Archaeological Survey, American Association for the Advancement of Science.

BOARDS, MAJOR COMMITTEES, AND OTHER PROFESSIONAL SERVICE:

Editorial Board, *American Antiquity* (2015-)  
Advisory Committee, William L. Brown Center, Missouri Botanical Garden (2013-)  
Advisory Committee, Indigenous Agriculture in Western North America Program of Mexico-North Research Network (2012-)  
Lifetime Achievement Award Committee Member, Southeastern Archaeological Conference (2010-2013)  
Program Committee Member, Soc. for American Archaeology for 2012 Annual Meeting  
Co-editor, *Southeastern Archaeology* (2006-2008)  
Editorial Board Member, *American Archaeology* (2008-2011)  
Board Member, Center for American Archeology (2002-2010)  
Member, Governor's Advisory Committee on Unmarked Human Burials, State of Missouri (2000-2003)  
Executive Officer, Southeastern Archaeological Conference (2002-2004)  
Executive Board, Society for Economic Botany (2000- 2003)  
Secretary-Treasurer, Society of Ethnobiology (1996-1999)  
Society for American Archaeology's Fryxell Award Committee: Committee Member (2003-2006);  
Organizer of the Fryxell Symposium at the 57th Annual Meeting of the S.A.A., 1992, Pittsburgh.

INVITED CONFERENCES, SYMPOSIA, AND WORKSHOPS:

2015      Paper in Symposium on Food Globalization in Prehistory. SAA Meetings, San Francisco  
2014      Feeding Cahokia: How Did the Agricultural System Work? Paper presented in the symposium on Recent Research in Paleoethnobotany, Midwest Archaeological Conference, Urbana.  
2014      (Gayle Fritz and Kelsey Nordine) "In Short, They Gave Us What They Had": Plant Remains from the Wallace Bottom Site, Southeast Arkansas. Paper presented in symposium honoring Thomas Green, 79<sup>th</sup> Annual Meeting of the Society for American Archaeology, Austin.  
2013      (Natalie Mueller and Gayle Fritz) Women as Symbols in Mississippian Ceremonialism. Paper presented in symposium on Gender in Southeastern Archaeology at the Southeastern Archaeological Conference, Tampa.  
2013      (Neal Lopinot, Gayle Fritz, and John Kelly) Plant Remains from the East Face Repairs of Monks Mound, Cahokia. Paper presented in symposium honoring Brian Butler at the Southeastern Archaeological Conference, Tampa.  
2012      (Gayle Fritz, Bruce Smith, Maria Bruno, BrieAnna Langlie, and Logan Kistler) Superfood: A Hemispherical Perspective on the Cultigen Chenopods. Paper in the Fryxell Symposium, presented at the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology, Memphis.  
2011      NSF-Sponsored Biocultural Collections Workshop. Botany 2011 Conference, St. Louis, MO.  
2010      "Food and Politics at Fort San Juan (Berry Site): Very Early Colonial Paleoethnobotany." Paper presented at the Southeastern Archaeological Conference, Lexington, Kentucky.  
2010      "Food, Labor, and Sexual Politics at Fort San Juan: The Archaeobotany of Early Contact in the Southeastern U.S. Paper presented at the 75<sup>th</sup> Meeting of the Society for American Archaeology St. Louis.  
2010      "The First North American Corn Growers: An Archaeological Perspective." Presentation to the

- annual meeting of the National Corn Grower's Assn., June 9, 2010, Atlanta.
- 2009 Participant in Symposium on the Berry Site: A 16<sup>th</sup> Century Spanish Fort in Western North Carolina. School for Advanced Research on the Human Experience, Santa Fe, October 14-16.
- 2008 Workshop Leader for Traditional Ecological Knowledge Symposium, Missouri Botanical Garden, November, 2008.
- 2006 "Plum Bayou Foodways." Paper presented to the Symposium in honor of Martha Rolingson at the 63<sup>rd</sup> Southeastern Archeological Conference, Little Rock, November 2006.
- 2006 (Lucretia Kelly and Gayle Fritz) "Big Bash in the Bottom: Integrating Zooarchaeological and Paleoethnobotanical Remains from Sub-Mound 51, Cahokia." Paper presented to the 71<sup>st</sup> Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, April 2006.
- 2006 Discussant for Symposium titled "Northeast Paleoethnobotany Revisited," 71<sup>st</sup> Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, April 2006.
- 2005 Continuity and Change in Use of Maize and Other Crops at Cahokia Mounds, Illinois, USA. Poster presented to the International Congress of Ethnobotany, Istanbul, Turkey, August 2005.
- 2004 "Paleoethnobotanical Issues in the I-69 Corridor, Northwest Mississippi." Paper presented to the Annual Meeting of the Southeast Archeological Conference, St. Louis.
- 2004 (with John Kelly) "Maize Symbolism in Context: Plants on Mississippian Figurines and Pipes." Paper presented in the Symposium titled, "The Stories of Maize II: North America North of Mexico." 2004 Meeting of the Society for American Archaeology, April 2, 2004, Montreal.
- 2004 Pigweeds for the Ancestors. Paper presented at the Visiting Scholar's Conference on Food and Identity, Southern Illinois University-Carbondale, March, 2004.
- 2004 Discussant for Symposium on Early Agriculture in Chuihuihua. Southwest Symposium, Chihuahua City, January 8-10, 2004.
- 2003 Keepers of Louisiana's Levees: Early Moundbuilders, Forest Managers, Fisher-Hunters, and Cultivators. Paper presented in the Symposium, "Inherited Models and the Denial of Prehistory: Challenging Existing Concepts of Agriculture." World Archaeological Congress, Washington, D.C. June 2003.
- 2002 The "Cheno-Am" Problem. Paper presented in the Fryxell Symposium, 67<sup>th</sup> Annual Meeting of the Society for American Archaeology, Denver.
- 2002 N.S.F.-sponsored workshop on Intellectual Imperatives in Ethnobiology. Missouri Botanical Garden, St. Louis.
- 1999 Co-organizer (with Gary Crawford) of Symposium on *Indigenous Plant Tending and Domestication in the New World Outside the Major Centers* at the 16<sup>th</sup> International Botanical Congress, Aug. 1-6, St. Louis.
- 1998 Presenter of paper entitled "Implications of Recent Investigations at Mound 1" at the conference on *Platforms of Power: Mound Form and Function at Cahokia*, June 26-27, Cahokia Mounds State Historic Site.
- 1997 Presenter of paper entitled "The Foods of Early Cahokia: a Mississippian Center" at the Seventh Annual Woodland National Conference on Great Lakes Native American Culture, sponsored by the Museum of Prophetstown, Oct. 26-28, at Pokagon State Park, Angola, Indiana.
- 1997 Presenter of paper entitled "Levels of Native Biodiversity in Eastern North America, in the Symposium on "Biodiversity and Native North America", February 21-22, 1997, University of Oklahoma, Norman.
- 1996 Discussant, *Symposium on the Archaeobotany of the Northeastern U.S.*, organized by John P. Hart, held at the New York State Museum, Albany, April 24-27.
- 1996 Presenter of paper entitled "The Development of Native Agricultural Economies in the Lower Mississippi Valley" in the Symposium entitled *The Natchez District in the Old, Old South*, at the Historic Natchez Conference, Natchez, Mississippi, Jan. 31-Feb. 4.
- 1994 Participant, Workshop on *Integrating Molecular and Anthropological Approaches to Understanding the Co-evolution of Maize and Human Cultures*, sponsored by Pioneer Hi-Bred International, Inc., August 29-31, Ames, Iowa.
- 1993 Presenter of paper entitled "New Dates and New Data on Ancient Plant Use" in the *Missouri Botanical Garden's 40th Annual Systematics Symposium* (on the topic of Economic Botany), October 8-10, 1993, St. Louis.
- 1993 Participant, *Avery Island Conference on Lower Mississippi Valley Archaeology*, sponsored by the Peabody Museum of Harvard University, September 23-26, Avery Island, Louisiana.

- 1993 Participant, *Workshop on Current Research in the Cahokia Area*, sponsored by the Illinois Historic Preservation Office and Southern Illinois University at Edwardsville, July, Cahokia Mounds State Historic Site.
- 1992 Presenter of paper entitled "The Value of Archaeological Plant Remains for Paleodietary Reconstruction" at the Conference on *Paleonutrition: The Diet and Health of Prehistoric Americans*, sponsored by the Center for Archaeological Investigations, Southern Illinois University at Carbondale, March 27-28, 1992.
- 1992 Participant, *Second Paleoethnobotany Workshop*, sponsored by the Missouri Archaeological Society, October 10, Lyman Research Center, University of Missouri at Columbia.
- 1987 Organizer (with Bruce D. Smith), *Workshop on Indications of Domestication in Indigenous North American Plants*, sponsored by the National Museum of Natural History, Smithsonian Institution, May 28-30, Washington, D.C.

PUBLICATIONS (\* = Peer Reviewed)

- \*n.d. (G. J. Fritz, M. C. Bruno, B. S. Langlie, B. D. Smith, and L. Kistler). A Hemispherical View of the Cultigen Chenopods. In *Social Perspectives from Environmental Archaeology: Food, Place, and People*, edited by M. Sayre, M. C. Bruno et al. Springer, in press.
- \*2016 (Natalie G. Mueller and Gayle J. Fritz). Women as Symbols and Actors in the Ancient Mississippi Valley. In *Native American Landscapes: an Engendered Perspective*, edited by Cheryl Claassen. University of Tennessee Press, in press.
- \*2016 (Kelsey Nordine and Gayle J. Fritz). "In Short, They Gave Us What They Had": Archaeological Plant Remains from the Wallace Bottom Site, Arkansas. In *Papers in Honor of Thomas Green*, edited by Mary Beth Trubitt. Arkansas Archeological Survey, in press.
- \*2016 (R.A. Beck, G. J. Fritz, H. Lapham, C. B. Rodning, and D. G. Moore) The Politics of Provisioning: Food and Gender at Fort San Juan de Juora, 1566-1568. *American Antiquity* 81(1):3-26.
- \*2016 Ethnobotany and Early Frontier Food. In *Fort San Juan and the Limits of Empire: Colonialism and Household Practice at the Berry Site*, edited by Robin A. Beck, David G. Moore, and Christopher B. Rodning. University Press of Florida, Gainesville.
- \*2015 (Cagnato, C., G. J. Fritz, and S. L. Dawdy) Strolling through Madame Mandeville's Garden: The Real and Imagined Landscape of Eighteenth Century New Orleans, Louisiana. *Journal of Ethnobiology* 35(2):235-261.
- \*2015 (Lopinot, Neal H., Timothy Schilling, Gayle J. Fritz, and John E. Kelly) Implications of Plant Remains from the East Face of Monks Mound. *Midcontinental Journal of Archaeology* 40(3):209-230.
- \*2014 (Gayle Fritz and Mark Nesbitt) Laboratory Analysis and Identification of Plant Macroremains. In *Method and Theory in Paleoethnobotany*, edited by J. M. Marston, J. D'alpoim Guedes, and C. Warinner, pp.115-146. University Press of Colorado, Boulder.
- \*2014 (Langlie, B. S., N. G. Mueller, R. N. Spengler, and G. J. Fritz), Agricultural Origins from the Ground Up: Archaeological Approaches to Plant Domestication. *American Journal of Botany* 101:1601-1617. (Invited Paper in Special Issue "Speaking of Food")
- 2014 (Catrina T. Adams and Gayle J. Fritz) Using Biocultural Collections for Education. In *Curating Biocultural Collections: A Handbook*, edited by Jan Salick, Katie Konchar, and Mark Nesbitt, pp. 347-363. Kew Publishing, Royal Botanic Gardens, Kew, in association with Missouri Botanical Garden, St. Louis.
- 2014 Eastern North America: An Independent Center of Agricultural Origins. *Encyclopedia of Global Archaeology*, edited by Claire Smith. Springer, New York.
- \*2014 Maygrass (*Phalaris caroliniana* Walt.). In *New Lives for Ancient and Extinct Crops*, edited by Paul E. Minnis, pp. 12-43. University of Arizona Press, Tucson.
- \*2013 (R. N. Spengler, M. D. Frachetti, and G. J. Fritz). Ecotopes and Herd Foraging Practices in the Steppe/Mountain Ecotone of Central Asia during the Bronze and Iron Ages. *Journal of Ethnobiology* 33(1):125-147.
- 2013 (D. L. Browman, G. J. Fritz, and P. J. Watson). Origins of Food-Producing Economies in the Americas. In *The Human Past, 3<sup>rd</sup> edition*, edited by Chris Scarre, pp. 306-349. Thames and Hudson, London.

- 2011 The Role of “Tropical” Crops in Early North America. In *The Subsistence Economies of Indigenous North American Societies*, edited by Bruce D. Smith, pp. 503-516. Smithsonian Institution Scholarly Press, Washington, D.C. (Published in cooperation with Roman and Littlefield Publishers, Inc.)
- \*2010 (Michael D. Frachetti, Robert N. Spengler, Gayle J. Fritz, and Alexi N. Mar’yashev ) Earliest Direct Evidence for Broomcorn Millet and Wheat in the Central Eurasian Steppe Region. *Antiquity* 84:993-1010.
- \*2009 (W. L. Merrill, R. J. Hard, J. B. Mabry, G. F. Fritz, K. R. Adams, J. R. Roney, and A. C. MacWilliams) The Diffusion of Maize to the Southwestern United States and its Impact. *Proceedings of the National Academy of Sciences* 106(50):21019-21026.
- \*2009 (G. J. Fritz, K. R. Adams, G. E. Rice, and J. L. Czarzasty) Evidence for Domesticated Amaranth (*Amaranthus*) from a Sedentary Period Hohokam House Floor at Las Canopas. *Kiva* 75(3):393-418.
- \*2008 Plum Bayou Foodways: Distinctive Aspects of the Paleoethnobotanical Record. *The Arkansas Archeologist* 47 & 48:31-41.
- \*2008 Paleoethnobotanical Information and Issues Relevant to the I-69 Overview Process, Northwest Mississippi. In *Times River: Archaeological Syntheses from the Lower Mississippi River Valley*, edited by Janet Rafferty and Evan Peacock, pp. 299-343. University of Alabama Press, Tuscaloosa.
- \*2008 The Transition to Agriculture in the Desert Borderlands: An Introduction. In *Archaeology Without Borders: Contact, Commerce, and Change in the U.S. Southwest and Northwestern Mexico*, edited by Laurie D. Webster and Maxine E. McBrinn, pp. 25-33 University Press of Colorado, Boulder.
- \*2008 (Hard, R. J., K. A. Adams, J. R. Roney, K. M. Schmidt, and G. J. Fritz) The Emergence of Maize Farming in Northern Mexico. In *Case Studies in Environmental Archaeology*, 2<sup>nd</sup> edition, edited by E. J. Reitz, C. M. Scarry, and S. J. Scudder, pp. 315-333. Kluwer Academic/ Plenum, New York.
- \*2007 Keepers of Louisiana’s Levees: Early Moundbuilders and Forest Managers. In *Rethinking Agriculture: Archaeological and Ethnoarchaeological Perspectives*, edited by T.P. Denham, Jose Iriarte, and Luc Vrydags, pp. 338-368. Left Coast Press, Walnut Creek.
- \*2007 Pigweeds for the Ancestors: Cultural Identities and Archaeological Identification Methods. In *The Archaeology of Food and Identity*, edited by Katheryn C. Twiss, pp. 288-307. Center for Archaeological Investigations, Occasional Paper No. 34. Southern Illinois University, Carbondale.
- \*2007 (G. J. Fritz and N. H. Lopinot) Native Crops at Early Cahokia: Comparing Domestic and Ceremonial Contexts. In *People, Plants, and Animals: Archaeological Studies of Human-Environment Interactions in the Midcontinent, Essays in Honor of Leonard W. Blake*, edited by Robert E. Warren. *Illinois Archaeology* 15 & 16 (for 2003-2004):90-111.
- 2006 Introduction and Spread of Mexican Crops. In *Handbook of North American Indians*, Vol. 3, edited by Douglas Ubelaker and Bruce D. Smith, pp. 437-446. Government Printing Office, Washington D.C.
- 2006 Archeological Plant Remains from the Hudnall-Pirtle Site (41RK4), Rusk County, Texas. In *Archeological Investigations at the Hudnall-Pirtle Site (41RK4): An Early Caddo Mound Center in Northeast Texas*, by James E. Bruseth and Timothy K. Pertulla, pp. 133-137. *Caddoan Archeology Journal* Spring, 2006:57-158.
- 2005 Paleoethnobotanical Methods and Applications. In *Handbook of Archaeological Methods*, edited by Herbert D.G. Maschner and Christopher Chippindale, pp. 771-832. Altamira Press, Walnut Creek, CA.
- 2004 Plants and Petroglyphs: Archeobotanical Remains from the Narrows site (3CW35). In *The Archeology of Rock Art at the Narrows Rock Shelter, Crawford County, Arkansas*, by Jerry E. Hilliard, pp. 35-41. Arkansas Archeological Survey Research Report 31. Fayetteville.
- \*2002 (T. Pauketat, L. S. Kelly, G. J. Fritz, N. H. Lopinot, S. Elias, and E. Hargrave) The Residues of Feasting and Public Ritual at Early Cahokia. *American Antiquity* 67(2): 257-279.
- \*2001 (G. J. Fritz and P. J. Watson). Introduction, in *Plants from the Past*, by Leonard W. Blake and Hugh C. Cutler, pp. xi-xiv. University of Alabama Press, Tuscaloosa. (This volume was my idea, and I convinced Leonard Blake to contribute unpublished papers for it. Along with Blake and

- Patty Jo Watson, I edited the volume and handled other aspects of its publication.)
- \*2001 (G. J. Fritz, Virginia Drywater Whitekiller and James McIntosh) Ethnobotany of *Ku-nu-che*, Cherokee Hickory Nut Soup. Journal of Ethnobiology 21(2):1-27.
  - \*2001 (Austin Long and G. J. Fritz) Validity of AMS Dates on Maize from the Tehuacán Valley: A Comment on MacNeish and Eubanks. Latin American Antiquity 12(1):87-90.
  - \*2000 Native Farming Systems and Ecosystems in the Mississippi River Valley. In Imperfect Balance: Landscape Transformations in the Precolumbian Americas, edited by D. L. Lentz, pp. 225-250. Columbia University Press, New York.
  - \*2000 Levels of Native Biodiversity in Eastern North America. In Biodiversity and Native America, edited by P. E. Minnis and W. Elisens, pp. 223-247. University of Oklahoma Press, Norman.
  - \*1999 Gender and the Early Cultivation of Gourds in Eastern North America. American Antiquity 64(3):417-429.
  - 1998 The Development of Native Agricultural Economies in the Lower Mississippi Valley. In The Natchez District in the Old, Old South, edited by V. P. Steponaitis, pp. 23-47. Center for the Study of the American South, University of North Carolina at Chapel Hill, Southern Research Report #11.
  - 1998 Chenopod; Corn; Sumpweed; Sunflower (four separate entries). In Encyclopedia of North American Prehistory, edited by Guy Gibbon. Garland Press, New York.
  - \*1997 A Three Thousand Year Old Cache of Crop Seeds from Marble Bluff, Arkansas. In People, Plants, and Landscapes: Case Studies in Paleoethnobotany edited by K. J. Gremillion, pp. 42-62. University of Alabama Press, Tuscaloosa.
  - \*1995 New Dates and Data on Early Agriculture: The Legacy of Complex Hunter-Gatherers. Annals of the Missouri Botanical Garden 82:3-15. (Proceedings of the 40th Annual Systematics Symposium, held October, 1993).
  - 1994 On the Emergence of Agriculture in the New World (Reply to Piperno). Current Anthropology 35(5):639-643.
  - 1994 Are the First American Farmers Getting Younger? Current Anthropology 35(3):305-309.
  - \*1994 Precolumbian *Cucurbita argyrosperma* ssp. *argyrosperma* (Cucurbitaceae) in the Eastern Woodlands of North America. Economic Botany 48(3):280-292.
  - \*1994 The Value of Archaeological Plant Remains for Paleodietary Reconstruction. In Paleonutrition: The Diet and Health of Prehistoric Americans, edited by K. D. Sobolik, pp. 21-33. Center for Archaeological Investigations, Southern Illinois University at Carbondale, Occasional Paper No. 22.
  - 1994 In Color and in Time: Prehistoric Ozark Agriculture. In Agricultural Origins and Development in the Midcontinent, edited by William Green, pp. 105-126. University of Iowa, Office of the State Archaeologist, Report 19.
  - \*1993 (G. J. Fritz and T. R. Kidder) Recent Investigations into Lower Mississippi Valley Agriculture. Southeastern Archaeology 12(1):1-14.
  - \*1993 (T. R. Kidder and G. J. Fritz) Investigating Subsistence and Social Change in the Lower Mississippi Valley: The 1989 and 1990 Excavations at the Reno Brake and Osceola Sites, Tensas Parish, Louisiana. Journal of Field Archaeology, 20(3):281-297.
  - \*1993 Archeobotanical Remains from the Cobb-Pool Site, a Late Prehistoric Farmstead in North Central Texas. Bulletin of the Texas Archeological Society 64:227-246. (Volume devoted to research on North Central Texas archaeology, edited by T. K. Perttula.)
  - \*1993 Early and Middle Woodland Period Paleoethnobotany. In Foraging and Farming in the Eastern Woodlands, edited by C. M. Scarry, pp. 39-56. Ripley P. Bullen Monographs in Anthropology and History, University of Florida Press, Gainesville.
  - 1992 "Newer, Better" Maize and the Mississippian Emergence: A Critique of Prime Mover Explanations. In Late Prehistoric Agriculture: Observations from the Midwest, edited by William Woods, pp. 19-43. Illinois Historic Preservation Agency Studies in Illinois Archaeology No. 8, Springfield.
  - \*1990 Multiple Pathways to Farming in Precontact Eastern North America. Journal of World Prehistory 4(4):387-435.

- 1989 Evidence of Plant Use from Copple Mound at the Spiro Site. In Contributions to Spiro Archeology: Mound Excavations and Regional Perspectives, edited by J. D. Rogers, D. O. Wyckoff, and D. A. Peterson, pp. 65-87. Oklahoma Archeological Survey Studies in Oklahoma's Past No. 16.
- 1988 (G. J. Fritz and B. D. Smith) Old Collections and New Technology: Documenting the Domestication of *Chenopodium* in Eastern North America. Midcontinental Journal of Archaeology 13(1):13-29.
- \*1987 (C. M. Niquette, R. D. Boedy, and G. J. Fritz) The Calloway Site (15MT8): A Woodland Camp in Martin County, Kentucky. West Virginia Archeologist 39:21-51.
- 1986 Mounds in Northwest Arkansas: A More Positive Approach to Late Prehistory in the Ozarks. In Contributions to Ozark Prehistory, edited by George Sabo III, pp. 49-54. Arkansas Archeological Survey Research Series No. 27.
- 1986 Desiccated Botanical Remains From Three Bluffshelter Sites in the Pine Mountain Project Area, Crawford County, Arkansas. In Contributions to Ozark Prehistory, edited by George Sabo III, pp. 86-97. Arkansas Archeological Survey Research Series No. 27.
- \*1984 Identification of Cultigen Amaranth and Chenopod from Rockshelter Sites in Northwest Arkansas. American Antiquity 49:558-572.
- \*1982 (G. J. Fritz and R. H. Ray) Rock Art Sites in the Southern Arkansas Ozarks and Arkansas River Valley. In Arkansas Archeology in Review, edited by N. L. Trubowitz and M. D. Jeter, pp. 240-276. Arkansas Archeological Survey Research Series No. 14.
- 1979 Analysis of Human Skeletal Remains from the Montgomery Farm, Barry County, Missouri. The Arkansas Archeologist 20:69-78.

#### REVIEWS

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- 1993 Review of *Rivers of Change, Essays on Early Agriculture in Eastern North America*, by B. D. Smith. Economic Botany 47(4):425.
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#### THESES

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- 1975 Analysis of Ceramic Pipes, Ear Ornaments, and Effigies from the George C. Davis Site, Cherokee County, Texas. M.A. thesis, Dept. of Anthropology, University of Texas at Austin.

#### LABORATORY GUIDE

- 2007 2<sup>nd</sup> edition of Laboratory Guide to Archaeological Plant Remains from Eastern North America. Paleoethnobotany Laboratory, Department of Anthropology, Washington University in St. Louis. Available online at <http://artsci.wustl.edu/~gifritz/>



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#### TECHNICAL REPORTS

- 2009 (Neal H. Lopinot and Gayle J. Fritz) Plant Remains from the East Face of Monks Mound. Report Submitted to the Illinois Historic Preservation Agency, Historic Sites Division, as part of the Monks Mound Stabilization Project at Cahokia State Historic Sits.
- 2009 (Gayle J. Fritz, Karen Adams, Glen E. Rice, and John L. Czarzasty) Domesticated Amaranth from Las Canopas. Chapter 8 in *Las Canopas*, Rio Salado Archaeology, Phoenix.
- 2006 Plant Remains from Franktown Cave, Colorado. Report Submitted to Dr. Sarah Nelson, University of Denver.
- 2002 Plant Remains from Three Historic Sites in New Orleans: Madame John's Legacy, Tremé Plantation, and Maginnis. In Greater New Orleans Archaeology Program End of Federal Fiscal Year Report 2001-2002, compiled by Juana Ibáñez, pp. 15-25. College of Urban and Public Affairs, University of New Orleans.
- 2002 Fields of Cahokia Survey Report. Submitted to Cahokia Mounds Museum Society.
- 2000 Food and Ceremonial Plants from Sub-Mound 51 at Cahokia. Report Submitted to Timothy Pauketat, P.I., N.S.F.-sponsored Early Cahokia Project.
- 1999 Please, Sir, I Want Some More Acorn Soup: Plant Remains from the Oliver Site. Report submitted to John Connaway, Mississippi Department of Archives and History, Clarksville, Mississippi.
- 1997 Archaeobotanical Remains from the Narrows Rockshelter (3CW35). Report submitted to Jerry Hilliard, Arkansas Archaeological Survey, Fayetteville.
- 1997 Analysis of Archaeological Plant Remains from a Burned Mortuary Structure at Kuykendall Brake (3PU111). Report submitted to John House, Arkansas Archaeological Survey, Pine Bluff (as part of NSF-funded study).
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- 1993 Archeobotanical Analysis. In Caddoan Saltmakers in the Ouachita Valley: The Hardman Site, ed. by Ann M. Early, pp. 159-168. Arkansas Archeological Survey Research Report 43. Fayetteville.
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- 1987 Analysis of Carbonized Macrobotanical Remains [from Bird Point Island]. In The Bird Point Island and Adams Ranch Sites, edited by J. E. Bruseh and W. A. Martin, pp. 129-136. Archaeology Research Program, Institute for the Study of Earth and Man, S.M.U. Richland Creek Technical Series, Vol. II.
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- 1986 Maize. *In* French-Indian Interaction at an 18th Century Frontier Post: The Roseborough Lake Site, Bowie County, Texas, by Kathleen Gilmore, pp. 131-134. Institute of Applied Science, North Texas State University Contributions in Archaeology No. 3.
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- 1983 Analysis of Carbonized Plant Remains from the Moore Village Site. *In* Archaeological Excavations at the Moore Village Site, Chesapeake and Ohio Canal National Historical Park Allegany County, Maryland, by J. F. Pousson, pp. 173-181. U. S. Dept. of Interior, National Park Service.
- 1983 Analysis of Carbonized Plant Remains from the Richland Chambers Project. *In* Season One (1982) Mitigation of Prehistoric Archaeology in the Richland/Chambers Reservoir, Navarro and Freestone Counties, Texas--Interim Report, ed. by A. J. McIntyre, pp. 399-414. Archaeology Research Program, Dept. of Anthropology, S.M.U.
- 1982 Analysis of Plant Remains from the Spiro Site, 34LF-46, Le Flore County, Oklahoma. *In* Spiro Archaeology: 1980 Research, by J. D. Rogers, pp. 201-213. Oklahoma Archaeological Survey, Studies in Oklahoma's Past No. 9.
- 1979 (with L. M. Raab) An Archeological Survey of Devil's Den State Park, Washington County, Arkansas. Report submitted to the Arkansas Department of Parks and Tourism by the Arkansas Archeological Survey. (18 pp.)
- 1975 Matagorda Bay Area, Texas: A Survey of the Archeological and Historical Resources. Published jointly by the Planning Division, Texas General Land Office and Texas Archeological Survey, University of Texas at Austin, Research Report No. 45. (158 pp.)

PAPERS PRESENTED AT PROFESSIONAL MEETINGS (See also "Invited Conferences and Workshops", p. 3)

- 2015 Rethinking Cahokia's Fields: More Permanent, More Productive, More Diverse. Poster presented at the Southeastern Archaeological Conference, Nashville, November 20, 2015.
- 2012 Feeding Spanish Soldiers at Sixteenth Century Fort San Juan, Western North Carolina. Paper presented to the 53<sup>rd</sup> Annual Meeting of the Society for Economic Botany, Frostburg, MD.
- 2011 Regional Variation Revisited. Paper presented at the 68th Southeastern Archaeological Conference, Jacksonville, Florida.
- 2011 The Meaning of Maygrass. Paper presented at the 34<sup>th</sup> Annual Meeting of the Society for Ethnobiology, Columbus, Ohio.
- 2008 A Continent-Wide Perspective on Agricultural Intensification and Social Organization Across North America, 3000-800 B.P. Paper presented to the 73<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Vancouver.

- 2008 Ozark Ethnobiology: Pioneering Research in a Sheltered Environment. Paper presented at the 31<sup>st</sup> Annual Meeting of the Society of Ethnobiology, Fayetteville.
- 2002 (G. Wagner and G. J. Fritz) Up in Smoke? Reassessing Early Tobacco in Eastern North America. Paper presented to the 67<sup>th</sup> Annual Meeting of the Society for American Archaeology, Denver.
- 2001 (G. J. Fritz and John Connaway) Please, Sir, I Want Some More Acorn Soup: Late Woodland Plant Remains from the Oliver Site, Coahoma County, Mississippi. Paper Presented to the 58<sup>th</sup> Annual Meeting of the Southeastern Archaeological Conference, Chattanooga, Tennessee.
- 2001 Archaeological Implications of Modern Ku-nu-che, the Cherokee Hickory Nut Soup. Paper presented to the 24<sup>th</sup> Annual Meeting of the Society of Ethnobiology, Durango, Colorado.
- 1999 Indigenous Crops in the Mississippi Valley After the Arrival of Maize. Paper presented to the 16<sup>th</sup> International Botanical Congress, St. Louis.
- 1999 (with Karen Adams, Robert Hard, and John Roney) Evidence for Cultivation of *Amaranthus* 3,000 years ago at Cerro Juanaqueña, Chihuahua. Paper presented to the 22<sup>nd</sup> Annual Meeting of the Society of Ethnobiology, Oaxaca, Mexico.
- 1997 Special Plants from Early Cahokia. **Invited paper** presented to the 54<sup>th</sup> Meeting of the Southeastern Archaeological Conference, Baton Rouge.
- 1997 Of Plants and Petroglyphs: Archaeological Plant Remains from the Narrows Site, Crawford County, Arkansas. Paper presented to the 20<sup>th</sup> Annual Meeting of the Society of Ethnobiology, Athens, Georgia.
- 1996 (with Sissel Johannessen) Social Differentiation in the American Bottom: Late Prehistoric Plant Remains from Household, Communal, and Ceremonial Contexts. **Invited paper** presented to the 61<sup>st</sup> Annual Meeting of the Society for American Archaeology, New Orleans.
- 1995 Native Farming Systems from Lake Itasca to Lake Pontchartrain. **Invited paper** in the Symposium entitled "Native American Agricultural Strategies of North America," organized by Linda Cordell, presented to the 60<sup>th</sup> Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota.
- 1995 Comments. **Invited as Discussant** in the Symposium entitled "The Early Late Woodland and Origins of Agriculture in Northeastern North America," organized by Gary Crawford and David Smith at the 60<sup>th</sup> Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota.
- 1994 Coles Creek and Plaquemine Landscapes. **Invited paper** in the Symposium entitled "Changes in the Landscape: The Lower Valley and Elsewhere, A.D. 1000 to Now," organized by Stephen Williams, presented to the 51<sup>st</sup> Southeastern Conference, Lexington, Kentucky.
- 1993 Terminal Archaic Period Agriculture in the Arkansas Ozarks: The Marble Bluff Site. Paper in the Symposium entitled "Caves, Coves, Terraces, and Hollows: Early Upland Agriculture," organized by Gayle Fritz and Patty Jo Watson, presented to the 50<sup>th</sup> Southeastern Archaeological Conference, Raleigh, North Carolina.
- 1993 (T. R. Pauketat, G. J. Fritz, L. S. Kelly, and N. H. Lopinot) Early Cahokia: A New Research Project in the American Bottom. Paper presented to the 1993 Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.
- 1992 (G. J. Fritz, C. J. Smith, and T. R. Kidder) Plaquemine Plant Use in Tensas Parish, Louisiana. Paper presented to the 49<sup>th</sup> Southeastern Archaeological Conference, Little Rock, Arkansas.
- 1991 New Perspectives on Subsistence Change in the Lower Mississippi Valley. **Invited Paper** presented in the **Invited Symposium** "Research in the Lower Mississippi Valley: The State of the Art," organized by Malcolm Webb, at the 56<sup>th</sup> Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- 1991 (N. L. Lopinot, G. J. Fritz, and J. E. Kelly) The Context and Significance of *Polygonum erectum* masses from the American Bottom. Paper presented to the 14<sup>th</sup> Meeting of the Society for Ethnobiology, St. Louis, Missouri.
- 1990 (T. R. Kidder and G. J. Fritz) Late Woodland Settlement and Subsistence: Excavations at the Reno Brake and Osceola Sites, Tensas Parish Louisiana. Paper presented to the 47<sup>th</sup> Southeastern Archaeological Conference, Mobile, Alabama.
- 1990 Dent Corn, Little Corn, and Flint Corn from Ozark Rockshelters: Myth, Speculation, and Reality. Paper presented to the Conference on Corn and Culture in the New World, May, 1990, Minneapolis, Minnesota.

- 1990 Agricultural Patterns in the Northern Caddoan Archaeological Region. Paper in the Symposium entitled "The Northern Caddoan Archaeological Region," organized by J. Daniel Rogers and Gayle J. Fritz, presented to the 55th Annual Meeting of the Society for American Archaeology, Las Vegas, Nevada.
- 1989 (G. J. Fritz and Ann F. Ramenofsky) Problems of Subsistence Reconstruction in the Catahoula Lowlands, Eastcentral Louisiana. Paper presented to the 46th Southeastern Archaeological Conference, Tampa, Florida.
- 1989 In Color and in Time: Prehistoric Ozark Agriculture. **Invited Paper** presented in the Plenary Session of the Midwest Archaeological Conference, Iowa City, Iowa.
- 1988 Crops Before Corn in the East: Early and Middle Woodland Period Paleoethnobotany. **Invited paper** in the Symposium entitled "The Influence of Paleoethnobotany on Archaeology Over the Past Fifty Years: Current Trends and Research," organized by Donna Ruhl and C. Margaret Scarry, presented to the 45th Southeastern Archaeological Conference, New Orleans, Louisiana.
- 1988 (with Bruce D. Smith) Alternative Explanations for the Emergence of Maize Agriculture in the Midwestern United States: A Critical Review. **Invited paper** in the Symposium organized by William Woods, presented to the 46th International Congress of Americanists, Amsterdam, The Netherlands.
- 1988 Adding the Plant Remains to Assessments of Pre-Mississippi Period Plant Husbandry. Paper presented to the 53rd Annual Meeting of the Society for American Archaeology, Phoenix, Arizona.
- 1987 Prehistoric *Cucurbita mixta* in the Eastern Woodlands. Paper presented to the 44th Southeastern Archaeological Conference, Charleston, South Carolina.
- 1987 The Trajectory of Knotweed Domestication in Prehistoric Eastern North America. Paper presented to the 10th Ethnobiology Conference, Gainesville, Florida.
- 1987 (B. D. Smith and G. J. Fritz) Accelerator Dating Indigenous Cultigens in the Eastern United States. **Invited paper** in the Symposium organized by Richard I. Ford, presented to the Annual Meeting of the American Association for the Advancement of Science, Feb. 14-18, Chicago, Illinois.
- 1986 Starchy Grain Crops in the Eastern United States: Evidence from the Desiccated Ozark Plant Remains. Paper presented to the 51st Annual Meeting of the Society for American Archaeology, New Orleans, Louisiana.
- 1985 (with Richard A. Yarnell) Location and Frequency of Plant Food Remains Reported from Ozark Bluff Shelters. Paper presented to the 8th Ethnobiology Conference, Cambridge, Massachusetts.
- 1984 Harlan Phase Subsistence at the Spiro Site. Paper presented to the 26th Caddo Conference, Nacogdoches, Texas.
- 1983 A New Look at Desiccated Plant Remains from the Ozarks. Paper (poster) presented to the 48th Annual Meeting of the Society for American Archaeology, Pittsburgh.
- 1980 (G. J. Fritz and R. H. Ray) Rock Art Sites in the Southern Arkansas Ozarks and Arkansas River Valley. Paper presented to the 45th Annual Meeting of the Society for American Archaeology, Philadelphia, Pennsylvania.
- 1979 Mounds in the Ozarks of Northwest Arkansas. Paper presented to the 21st Caddo Conference, Arkadelphia, Arkansas.

#### PERSONAL DATA

Address: 602 Ostle Dr., Collinsville, IL 62234

Place of Birth: Dallas, Texas

Family: Daughter Jo Shannon Cochran Phillips, born June 6, 1976; Grandsons Robert Samuel Phillips, born August 12, 2007; David Luke Phillips, born July 6, 2010; John Solomon Phillips, born March 24, 2013; Husband Mark E. Esarey.