

Sean M. Rafferty

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Education:

- 2001: Ph.D., Anthropology, Binghamton University
Dissertation: *They Pass Their Lives in Smoke, and at Death, Fall into the Fire: Smoking Pipes and Mortuary Ritual during the Early Woodland Period.*
- 1994: M.A., Anthropology, S.U.N.Y Binghamton
- 1990: B.A., Anthropology, Hartwick College, Oneonta New York

Professional History:

- 2009-pres. Associate Professor, Dept. of Anthropology, University at Albany
- 2002-2009. Assistant Professor, Dept. of Anthropology, University at Albany.
- 2004-pres. Editor, *Northeast Anthropology*. Internationally distributed journal with a focus on anthropological research in Northeastern North America.

Research Grants:

- Pending: NSF Senior Researcher Grant for Archaeological Survey of Schoharie Creek Drainage (collaborative with New York State Museum)
- 2015: UUP Professional Development Grant, \$370, for radiocarbon dating of samples from the Pethick Site.
- 2013: FRAP Grant Award, \$2,300, for radiocarbon dating of samples from the Pethick Site.
- 2013: NSF Research Experiences for Undergraduates Grant, \$271,500 (not funded)
- 2008: Residue Analysis of Alkaloids. National Science Foundation, Principle Investigator; S. Swiny and I. Lednev, co-Principal Investigators (\$122,410, granted for June 1, 2008-June 1, 2011).
- 2007: University at Albany College of Arts and Sciences, Faculty Research Allocation Program (FRAP); Grant to conduct Raman microscopy analysis of Cypriot pottery for presence of Opium Residues (Granted \$3,400).
- 2006: University at Albany College of Arts and Sciences, Faculty Research Allocation Program (FRAP) Grant to fund pilot study for the establishment of a center for artifact analysis in collaboration with the University at Albany Ion Beam Laboratory (granted \$8,870).
- 2005: University at Albany, Conference Support Program, grant to support 2006 annual meetings of Northeast Anthropological Association (granted \$1,000).
- 2004: University at Albany College of Arts and Sciences, Faculty Research Allocation Program (FRAP) Grant to fund source area analysis equipment for Schoharie Valley Project (granted \$4,000).
- 2004: College of Arts and Science, CAS, University at Albany. Grant to support establishment of academic journal (*Northeast Anthropology*) at the University at Albany (granted, \$3,000).

- 2003: College of Arts and Sciences (CAS), University at Albany; Grant to Establish an Archaeometric Research Facility Focusing on Residue Analysis (granted \$2,150).
- 1998: National Science Foundation (NSF) Dissertation Improvement Grant: A Regional Analysis of Smoking Pipes During the Early Woodland Period (Grant #SBR-9812751) (granted, \$9,657).

Monographs/Edited Volumes:

- 2004: Sean Rafferty and Rob Mann (eds.), *Smoking and Culture: Recent Developments in the Archaeology of Tobacco Pipes in Eastern North America*. University of Tennessee Press. (Submitted for peer review by two anonymous reviewers prior to publication).
- In prep.: *Prehistoric Intoxicants of North America*. Synthetic monograph covering the prehistoric use of mind-altering substances throughout prehistoric North America.

Articles/Chapters in Refereed Journals/Volumes

- Under rev. Zuzana Chovanec and Sean M. Rafferty. Cracking the History of the Olive: Differentiating Ancient Residues of Olive and Other Mediterranean Plant Oils on the Basis of Lipids. Submitted to *Bulletin of the American Schools of Oriental Research*, Oct. 2015.
- 2014: Sean M. Rafferty, Christina Rieth, and Steven Moragne. Prehistoric Occupations at the Pethick Site, Schoharie County, New York. *Archaeology of Eastern North America* Vol. 42:177-198.
- 2012: Zuzana Chovanec, Sean Rafferty and Stuart Swiny. Opium for the Masses: An Experimental Archaeological Approach in Determining the Antiquity of the Opium Poppy. *Journal of Ethnohistory* 4(1):5-36.
- 2012: Sean Rafferty, Igor Lednev, Kelly Virkler, Zuzana Chovanec. *Journal of Archaeological Science* 39(7):1951-1959.
- 2006: Sean M. Rafferty. Evidence of Early Tobacco in Northeastern North America? *Journal of Archaeological Science* 33(4):453-458. Featured in *Science* 11(5764), April 2006.
- 2004: Sean M. Rafferty and Rob Mann. Smoking and Culture. In *Smoking and Culture: Recent Developments in the Archaeology of Tobacco Pipes in Eastern North America*, edited by Sean M. Rafferty and Rob Mann, pp. xi-xx. University of Tennessee Press.
- 2004: Sean M. Rafferty. They Pass Their Lives in Smoke, and at Death, Fall into the Fire: Smoking Pipes and Mortuary Ritual during the Early Woodland Period. In *Smoking and Culture: Recent Developments in the Archaeology of Tobacco Pipes in Eastern North America*, edited by Sean M. Rafferty and Rob Mann, pp. 1-42. University of Tennessee Press.
- 2002: Sean M. Rafferty. Identification of Nicotine by Gas Chromatography/Mass Spectroscopy Analysis of Smoking Pipe Residue. *Journal of Archaeological Science* 29:897-907.
- 2000: Sean M. Rafferty. A Farmhouse View: the Porter Site. In *Nineteenth- and Early Twentieth-Century Domestic Site Archaeology in New York State*, edited by John P. Hart and Charles Fisher, pp. 125-149. New York State Museum Bulletin 495.

Other Articles/Chapters

- Under rev.: Sean M. Rafferty. Prehistoric Intoxicants of North America. In: *The archaeology of Intoxicants*, edited by Scott Fitzgerald. Submitted to University Press of Florida.
- 2016: Sean M. Rafferty. Smoking Pipes of Eastern North America. In *Perspectives on the Archaeology of*

Pipes, Tobacco and other Smoke Plants in the Ancient Americas, edited by Elizabeth Anne Bollwerk and Shannon Tushingham, pp. 13-26. Springer Press. Springer Press.

- 2016: Sean M. Rafferty. Final Thoughts and Future Directions. In *Perspectives on the Archaeology of Pipes, Tobacco and other Smoke Plants in the Ancient Americas*, edited by Elizabeth Anne Bollwerk and Shannon Tushingham, pp. 255-260. Springer Press.
- 2015: Sean M. Rafferty. Psychoactive Plants. In: *The Archaeology of Food: An Encyclopedia*, edited by Mary C. Beaudry and Karen Metheny, pp. 422-423. Rowman and Littlefield.
- 2009: Sean M. Rafferty. Evidence of Ritual Practices at the Pethick Site, Schoharie County, New York. *Bulletin of the New York State Archaeological Association* no. 124:47-55.
- 2008: Sean M. Rafferty. Smoking Pipes and Early Woodland Mortuary Ritual. In *Transitions: Archaic and Early Woodland Research in the Ohio Country*. Edited by Martha P. Otto and Brian G. Redmond, pp. 271-283. Ohio University Press.
- 2007: Sean M. Rafferty, Candis Wood, and Christina Rieth. A Trace Element Analysis of New York State Cherts. *North American Archaeologist* 28(2):167-186.
- 2007: Christina Rieth, Sean Rafferty, and Derek Zaputo. A Trace Element Analysis of Ceramics from the Pethick Site, Schoharie County, New York. *North American Archaeologist* 28(1):59-80.
- 2007: Sean M. Rafferty. The Archaeology of Alkaloids. In *Theory and Practice of Archaeological Residue Analysis*, edited by Hans Barnard and J. W. Eerkens. British Archaeological Reports International Series 1650:179-188.
- 2005: Sean M. Rafferty. Tobacco and Hallucinogens. In *Tobacco: Scribner's Turning Points in History*, edited by Jordan Goodman, Marcia Norton and Mark Parascandola, pp. 66-71. Charles Scribner's Sons.
- 2005: Sean M. Rafferty. Tobacco and Archaeology. In *Tobacco: Scribner's Turning Points in History*, edited by Jordan Goodman, Marcia Norton and Mark Parascandola, pp. 259-260. Charles Scribner's Sons.
- 2005: Sean M. Rafferty. The Many Messages of Death: Mortuary Practices in the Ohio Valley and Northeast. In *Woodland Taxonomy and Systematics in the Middle Ohio Valley*, edited by Darlene Applegate and Robert Mainfort, pp. 150-167. University of Alabama Press.

Book Reviews

- 2015: The Archaeology of Smoking and Tobacco, by Georgia L. Fox. University Press of Florida, Gainesville. Reviewed for *American Antiquity* 80(4):4-5.
- 2011: Cave Archaeology of the Eastern Woodlands: Essays in Honor of Patty Jo Watson. *American Indian Culture and Research Journal*: Vol. 35, No. 2 (2011).

Research Symposia Organized:

- 2008: The Archaeology of Intoxication. Research symposium held at the 2008 annual meetings of the Society for American Archaeology, March 28th, 2008, Vancouver, BC, Canada.
- 2007: Excavations at the Pethick Site, a Multi-component Site in Schoharie County, New York (Christina Rieth, co-organizer). Symposium for the 2007 Annual Meetings of the Eastern States Archaeological Federation, Burlington, Vermont.

2001: The Sot-Weed Factor: Recent Developments in the Archaeology of Smoking and Tobacco Pipes. Symposium for the 2001 Annual Meetings of the Society for American Archaeology, New Orleans, Louisiana. (Rob Mann, co-organizer).

Research Presentations & Posters:

2014: Zuzana Chovanec and Sean Rafferty. Examining the Prehistoric Use of Aromatic Plants: Procedures, Considerations and Archaeological Applications. Poster presented at the 79th annual meeting of the Society for American Archaeology, Austin Texas.

Jaclyn Nadeau, Jessica Watson, Steve Moragne, Sean M. Rafferty, and Christina B. Rieth. Archaeology in the Schoharie Valley: The Pethick Archaeological Field School. Poster presented at the 79th Annual Meeting of the Society American Archaeology, Austin, Texas.

2012: Sean Rafferty. Prehistoric Intoxicants of North America. Paper delivered at the 77th annual meeting of the Society for American Archaeology, Memphis, Tennessee.

2011: Sean Rafferty and Zuzana Chovanec. Recent Research on Alkaloid Residues. Paper delivered at the 76th annual meeting of the Society for American Archaeology, Sacramento, CA.

2010: Sean Rafferty. Analysis of tobacco pipe residues through GC/MS and Raman Microscopy. Paper delivered at the 75th annual meeting of the Society for American Archaeology, Saint Louis, Illinois, April 15th, 2010.

2009: Christian Rieth and Sean M. Rafferty. Social Relations at the Pethick Site, New York State. Presented at the 74th annual meeting of the society for American Archaeology, Atlanta, Georgia, April 22 - 26, 2009.

2008: Sean M. Rafferty. Prehistoric Intoxicants in Eastern North America. Presented at the 73rd annual meeting of the Society for American Archaeology, Vancouver, British Columbia, March 28th, 2008.

Christina Rieth, Sean Rafferty, Steven Moragne, Jared Latimer and Renee Morgan—Experimental Archaeology and Pottery Manufacture: A Case Study from the Schoharie Valley, New York. Presented at the 73rd annual meeting of the Society for American Archaeology, Vancouver, British Columbia, March 27th, 2008.

2007: The Pethick Site Excavations (Steve Moragne, Sean Rafferty and Chris Rieth). Presented at the 2007 Annual Meetings of the Eastern States Archaeological Federation, Burlington, Vermont, November 10th, 2007.

Lithic Analysis of the Pethick Site (Chris Sobik and Sean Rafferty). Presented at the 2007 Annual Meetings of the Eastern States Archaeological Federation, Burlington, Vermont, November 10th, 2007.

XRF Analysis of Lithic and Ceramic Artifacts from the Pethick Site (Candis Wood, Christina Rieth and Sean Rafferty). Presented at the 2007 Annual Meetings of the Eastern States Archaeological Federation, Burlington, Vermont, November 10th, 2007.

Evidence of Ritual Practices at the Pethick Site. Presented at the 2007 Annual Meetings of the Eastern States Archaeological Federation, Burlington, Vermont, November 10th, 2007.

The Potential for Archaeometric Analysis in Anatolian Contexts. Presented at the Society for American Archaeology Annual Meeting, April 27, 2007.

2005: The Archaeology of Alkaloids. Presented at the Society for American Archaeology Annual Meetings, March 31, 2005.

- 2004: No Adena, and Yet, Many Adena(s): *Regional Patterns in Adena Mortuary Practices*. Presented at the Southeast Archaeological Conference annual meetings, October 21, 2004.
- 2004: The Archaeology of Tobacco. Invited lecture at the University of Buffalo, April 2004.
- 2003: The Many Messages of Death: Mortuary Practices in the Ohio Valley and Northeast. Presented at the Society for American Archaeology Annual Meetings, April, 2003.
- 2001: They Pass Their Lives in Smoke, and at Death, Fall into the Fire: Smoking Pipes and Mortuary Ritual during the Early Woodland Period. Presented at the Society of American Archaeology Annual Meetings, April 2001.

Academic/Professional Service:

- 2014-pres.: Chair, University at Albany, Dept. of Anthropology, Graduate Affairs Committee (GAC)
- 2011-2015.: Member, University Senate Committee for Academic Assessment (CAA), Chair CAA Academic Program Review Committee (APRC) 2012-2013
- 2010-pres.: Hearing Officer and Title IX Hearing Officer; University at Albany Office of Community Rights and Conflict Resolution (CRCR)
- 2010-2014.: Chair, Department of Anthropology Undergraduate Affairs Committee (UAC)
- 2009-2010: Member Department of Anthropology Web Committee
- 2008-2009: Member, University at Albany Faculty Senate Council on Libraries, Information Systems, & Computing (LISC)
- 2008-2009: Member, Anthropology Department Graduate Affairs Committee
- 2008-pres.: Grant Reviewer, National Science Foundation
- 2008: Grant Reviewer, Israeli Science Foundation
- 2007-2008: Member, Department of Anthropology's Awards Committee
- 2007-2008: Member, Department of Anthropology's Technology Committee
- 2006: Organized 2006 annual meetings of the Northeast Anthropological Association (NEAA) in Albany, New York.
- 2005-pres.: Member, City of Albany Historic Resources Commission
- 2005-pres.: University at Albany, College of Arts and Sciences, Faculty Support Committee
- 2005-2006.: Member, University at Albany Provost's Task Force on Academic Integrity
- 2005-pres.: Reviewer, Pearson Prentice Hall
Books Reviewed: *World Prehistory: A Brief Introduction*, 6th ed., by Brian M. Fagan.
- 2004-pres.: Reviewer, McGraw Hill Higher Education
Books reviewed: *The Past in Perspective: An Introduction to Human Prehistory*, by Kenneth L. Feder.; *Principles of Archaeology*, by T. Douglas Price.

2004-pres.: Reviewer, *Journal of Archaeological Science*

2003-2006: University at Albany, Anthropology Department Graduate Affairs Committee

2003-2005: University at Albany, College of Arts and Sciences Faculty Council, Anthropology Dept. Counselor, Council Recorder

2003-2005: University at Albany, College of Arts and Sciences Faculty Council Executive Committee, Committee Recorder

Professional Interests:

Archaeology and Ethnohistory of the Eastern Woodlands
Archaeometry
Early Woodland & Adena Period Archeology
Pseudoscience and Pseudoarchaeology
Prehistoric use of medicinal and psychoactive plants
Public Outreach in Archaeology
Shamanism and Religion in Small-Scale Societies
Skepticism and Critical Thinking

Research Skills:

Lithic Analysis
Pottery Analysis
Residue Analysis (Gas Chromatography/Mass Spectrometry; Raman microscopy)
Source Area Analysis (X-ray Fluorescence; Proton Induced X-ray Emission)
Certified operator of UAlbany's Dynamatron Accelerator (for PIXE & RBS trace element analysis)

Professional Memberships:

Eastern States Archaeological Federation (ESAF)
New York Archaeological Council (NYAC)
Society for American Archaeology (SAA)
Southeast Archaeological Conference (SEAC)

References:

Charles Cobb (University of South Carolina)
Michael Nassaney (Western Michigan University)
Christina Rieth (New York State Museum)
Kenneth Sassaman (University of Florida)
Nina Versaggi (Binghamton University)

Ph.D. Dissertation Committees:

Anderson, Lisa (chair)
Carioto, Jeanette (chair)
Chovanec, Zuzana (member, graduated)
Clark, Andrew (chair)
Donta, Jaime Moore (chair)
Getan, Gauvin (chair)
Hughes-Morey, Gail (member, graduated)
Hutchins, Robert (member)
Karsten, Jordan (chair, graduated)
Latimer, Jared (member)
Louks, Jordon (chair)
Lowry, Justin (member)
Mendelsohn, Rebecca (member)
Moragne, Steven (chair)

Nadeau, Jacqueline (chair)
Newman, Jennifer (co-chair, graduated)
Paling, Jason (member)
Primeau, Kristy (chair)
Robinson, Jess (member)
Sommers, Jessica (chair)
Taylor, Mathew (member, graduated)
Vavrsek, Jessica (chair)
Watson, Jessica (chair)

MA Thesis Committees:

Alecksynas, Nia (chair)
Bagrow, Daniel (chair, graduated)
Blair, Laurie (member, graduated)
Brown, Heather (chair, graduated)
Cardinal, Scott (chair, graduated)
Carioto, Jeanette (chair, graduated)
Chovanec, Zuzana (member, graduated)
Cornelius, Mackenzie (member, graduated)
Edwards, Adrienne (chair, graduated)
Goverman, Hannah (chair)
Grygas, Joseph (chair, graduated)
Hopkins, Christopher (chair, graduated)
Koziol, Katherine (chair, graduated)
Manning, Rachel (chair)
McQuin, Corey (chair, graduated)
Miller, Tracy Schaffer (chair, graduated)
Moore, Ariana (chair)
Moore, Jaime (chair, graduated)
Moragne, Steven (chair, graduated)
Morgan, Renee (chair, graduated)
Newell, Vanessa (member, graduated)
Paris, Elizabeth (member, graduated)
Primeau, Kristy (chair, graduated)
Rataul, Ralph (chair, graduated)
Sobik, Christopher (chair, graduated)
Watson, Jessica (chair, graduated)
Weigle, Nicole (chair, graduated)
Zuhlke, Jessica (chair, graduated)