

**Curriculum Vitae**  
**KEITH W. KINTIGH**  
April 27, 2016

**PERSONAL INFORMATION**

School of Human Evolution & Social Change  
Arizona State University  
Box 872402  
Tempe, Arizona 85287-2402

Telephone: (480) 965-6909 (Office)  
965-6213 (Department)  
965-7671 (Fax)

Email: [kintigh@asu.edu](mailto:kintigh@asu.edu)

Web pages: <http://shesc.asu.edu/kintigh> (SHESC Web Page)  
<http://tdar.org>; <http://digitalantiquity.org> (tDAR and Digital Antiquity Pages)  
<http://tfqa.com> (Tools for Quantitative Archaeology)

**EDUCATION, DEGREES, & PROFESSIONAL REGISTRATION**

PhD	Anthropology	University of Michigan	1982
MS	Computer Science	Stanford University	1974
AB	Sociology (with honors)	Stanford University	1974
RPA	Registered Professional Archaeologist		1998

**Area of Expertise:** Archaeology

**Theoretical and Methodological Interests:** Data Integration, Synthesis, and Digital Archiving; Middle-range Societies; Political Organization; Quantitative Analysis of Archaeological Data; Spatial Analysis

**Areal Focus:** Southwestern U.S.

**ACADEMIC AND RESEARCH APPOINTMENTS AND HONORS**

2014- Co-director, Center for Archaeology and Society, Arizona State University  
2010- Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University  
2008- Associate Director, School of Human Evolution & Social Change, Arizona State University  
2008-10 Affiliated Faculty, School of Computing and Informatics, Arizona State University  
2006-10 Affiliated Faculty, School of Sustainability, Arizona State University  
2004 Arizona State University Outstanding Graduate Mentor. Graduate College, Arizona State University  
1995- Professor, Department of Anthropology/School of Human Evolution & Social Change, Arizona State University  
1987-95 Associate Professor, Department of Anthropology, Arizona State University  
1986-95 Research Associate, Pueblo of Zuni, New Mexico.  
1986-87 Associate Professor, Department of Anthropology, University of California, Santa Barbara.  
1985-86 Assistant Professor, Department of Anthropology, University of California, Santa Barbara.  
1980-85 Associate Archaeologist, Arizona State Museum, University of Arizona.

**BOOKS**

Kintigh, Keith W.

1985 Settlement, Subsistence, and Society in Late Zuni Prehistory. *Anthropological Papers of the University of Arizona* 44. University of Arizona Press, Tucson. (x & 132pp.)

Parsons, Jeffrey R., Keith W. Kintigh, and Susan Gregg

1983 Archaeological settlement pattern data from the Chalco, Xochimilco, Ixtapalapa, Texcoco and Zumpango Regions, Mexico. *Technical Reports of the Museum of Anthropology, University of Michigan* 14 (vii and 222 pages, 9 maps).

## MAJOR ARTICLES

- Strawhacker, Colleen, Grant Snitker, Katherine Spielmann, Maryann Wasiolek, Jonathan Sandor, Ann Kinzig, and Keith Kintigh  
 In review Risk Landscapes and Domesticated Landscapes: Food Security in the Salinas Province. In *Landscapes, Mobilities, and Social Transformations: Arriving at the Fifteenth Century in the Pueblo Rio Grande*, edited by K. Spielmann. Submitted to University of Arizona Press.
- Bocinsky, R. Kyle, Johnathan Rush, Keith W. Kintigh, and Timothy A. Kohler.  
 2016 Exploration and exploitation in the macrohistory of the prehispanic Pueblo Southwest. *Science Advances* 2(4): e1501532 (01 Apr 2016) DOI: 10.1126/sciadv.1501532  
<http://advances.sciencemag.org/content/2/4/e1501532>
- Nelson, Margaret C., Scott E. Ingram, Andrew J. Dugmore, Richard Streeter, Matthew A. Peeples, Thomas H. McGovern, Michelle Hegmon, Jette Arneborg, Keith W. Kintigh, Seth Brewington, Katherine A. Spielmann, Ian A. Simpson, Colleen Strawhacker, Laura E.L. Comeau, Andrea Torvinen, Christian K. Madsen, George Hambrecht, Konrad Smiarowski  
 2016 Climate Challenges, Vulnerabilities, and Food Security. *Proceedings of the National Academy of Sciences*. Published online before print December 28, 2015, 113(2): 298-303.  
 DOI:10.1073/pnas.1506494113; <http://www.pnas.org/content/113/2/298>.
- Hegmon, Michelle, Jacob Freeman, Keith W. Kintigh, Margaret C. Nelson, Sarah Oas, Matthew A. Peeples, and Andrea Torvinen  
 2016 Assessing the Benefits of Diversity over the Long Term: Archaeological Insights from the Prehispanic US Southwest. *American Antiquity* 81(2): 253-272.
- McPhillips, Timothy, Tianhong Song, Tyler Kolisnik, Steve Aulenbach, Khalid Belhajjame, Kyle Bocinsky, Yang Cao, James Cheney, Fernando Chirigati, Saumen Dey, Juliana Freire, Christopher Jones, James Hanken, Keith W. Kintigh, Timothy A. Kohler, David Koop, James A. Macklin, Paolo Missier, Mark Schildhauer, Christopher Schwalm, Yaxing Wei, Mark Bieda, Bertram Ludäscher  
 2015 YesWorkflow: A User-Oriented, Language-Independent Tool for Recovering Workflow Information from Scripts. *International Journal of Digital Curation* 10(1): 298–313. DOI: [10.2218/ijdc.v10i1.370](https://doi.org/10.2218/ijdc.v10i1.370)
- Kintigh, Keith W., Jeffrey H. Altschul, Ann P. Kinzig, W. Fredrick Limp, William K. Michener, Jeremy A. Sabloff, Edward J. Hackett, Timothy A. Kohler, Bertram Ludäscher, and Clifford A. Lynch  
 2015 Cultural Dynamics, Deep Time, and Data: Planning Cyberinfrastructure Investments for Archaeology. *Advances in Archaeological Practice* 3(1):1-15. DOI: [10.7183/2326-3768.3.1.1](https://doi.org/10.7183/2326-3768.3.1.1)
- Kintigh, Keith W.  
 2015 Extracting Information from Archaeological Texts. *Open Archaeology* 1(1). Published online 2015-03-21. <http://www.degruyter.com/view/j/opar.2014.1.issue-1/opar-2015-0004/opar-2015-0004.xml?format=INT>
- 2015 Concluding Address: Ruminations on Mathematics in Archaeology. In *Mathematics in Archaeology*, edited by Juan A. Barcelo and Igor Bogdanovic, pp. 495-498. CRC Press, Boca Raton.
- Hegmon, Michelle, Jette Arneborg, Laura Comeau, Andrew J. Dugmore, George Hambrecht, Scott Ingram, Keith Kintigh, Thomas H. McGovern, Margaret C. Nelson, Matthew A. Peeples, Ian Simpson, Katherine Spielmann, Richard Streeter, Orri Vésteinsson  
 2014 The Human Experience of Social Change and Continuity: The Southwest and North Atlantic in “Interesting Times” ca. 1300. In *Climates of Change: The Shifting Environments of Archaeology*, edited by Sheila Kulyk, Cara Tremain, and Madeleine Sawyer, pp. 53-68. Proceedings of the 44th Annual Chacmool Conference, University of Calgary.
- Kintigh, Keith W., Jeffrey H. Altschul, Mary C. Beaudry, Robert D. Drennan, Ann P. Kinzig, Timothy A. Kohler, W. Fredrick Limp, Herbert D.G. Maschner, William K. Michener, Timothy R. Pauketat, Peter Peregrine, Jeremy A. Sabloff, Tony J. Wilkinson, Henry T. Wright, and Melinda A. Zeder  
 2014 Grand Challenges for Archaeology. *American Antiquity* 79(1): 5-24

- Kintigh, Keith W., Jeffrey H. Altschul, Mary C. Beaudry, Robert D. Drennan, Ann P. Kinzig, Timothy A. Kohler, W. Fredrick Limp, Herbert D.G. Maschner, William K. Michener, Timothy R. Pauketat, Peter Peregrine, Jeremy A. Sabloff, Tony J. Wilkinson, Henry T. Wright, and Melinda A. Zeder  
 2014 Grand Challenges for Archaeology. *Proceedings of the National Academy of Sciences*. 111(3): 879-880. <http://www.pnas.org/content/111/3/879.full.pdf>
- Peeples, Matthew A, Gregson Schachner, and Keith W. Kintigh  
 In press The Cibola/Zuni Region. In *The Oxford Handbook of Southwest Archaeology*, edited by Barbara J. Mills and Severin Fowles. Oxford University Press, Oxford.
- Nelson, M. C., M. Hegmon, K. W. Kintigh, A. P. Kinzig, B. A. Nelson, J. M. Anderies, D. A. Abbott, K. A. Spielmann, S. E. Ingram, M. A. Peeples, S. Kulow, C. A. Strawbacker, and C. Meegan.  
 2013 "長期的脆弱性與恢復力: 美國西南部與墨西哥北部考古學研究的實例," in *考古學與永續發展研究*. Edited by 邱斯嘉 and 臧振華, pp. 93-117. 台北: 中央研究院人文社會科學研究中心考古學研究專題中心.
- Kintigh, K.W.  
 2013 Sustaining Database Semantics. In *CAA 2010: Fusion of Cultures. Proceedings of the 38th Conference on Computer Applications and Quantitative Methods in Archaeology, Granada, Spain, April 2010*, edited by F. Contreras, M. Farjas, and F.J. Melero, *BAR International Series* 2494: 585-589. ISBN 9781407311081.
- Nelson, M.C., M. Hegmon, K.W. Kintigh, A.P. Kinzig, B.A. Nelson, J.M. Anderies, D.A. Abbott, K.A. Spielmann, S.E. Ingram, M.A. Peeples, S. Kulow, C.A. Strawhacker, C. Meegan.  
 2012 Long-term Vulnerability and Resilience: Three Examples from Archaeological Study in the Southwestern U.S. and Northern Mexico. In *Surviving Sudden Environmental Change: Answers from Archaeology*, edited by Jago Cooper and Payson Sheets, pp. 197-220. University of Colorado Press, Boulder.  
[http://www.upcolorado.com/book/Surviving\\_Sudden\\_Environmental\\_Change\\_ebook](http://www.upcolorado.com/book/Surviving_Sudden_Environmental_Change_ebook)
- Margaret C. Nelson, Michelle Hegmon, Stephanie R. Kulow, Matthew A. Peeples, Keith W. Kintigh and Ann P. Kinzig  
 2011 Resisting diversity: a long-term archaeological study. *Ecology and Society* 16(1): 25. [online] URL: <http://www.ecologyandsociety.org/vol16/iss1/art25/>
- Spielmann, Katherine A., and Keith W. Kintigh  
 2011 the Digital Archaeological Record: The Potentials of Archaeozoological Data Integration through tDAR. *SAA Archaeological Record*. 11(1) 22-25.  
<http://digitaleditions.sheridan.com/publication/?i=58423&p=24>
- Nelson, Margaret C., Keith W. Kintigh, David R. Abbott, and John M. Anderies  
 2010 The cross-scale interplay between social and biophysical context and the vulnerability of irrigation-dependent societies: archaeology's long-term perspective. *Ecology and Society* 15(3): 31. [online] URL: <http://www.ecologyandsociety.org/vol15/iss3/art31/>
- Cordell, Linda S. and Keith W. Kintigh  
 2010 Reply to Schillaci & Bustard. *PoLAR: Political and Legal Anthropology Review* 33(2):378-383.
- Kintigh, Keith W.  
 2010 Sustaining Database Semantics. In *Fusion of Cultures: Abstracts of the XXXVIII Annual Conference on Computer Applications and Quantitative Methods in Archaeology, CAA2010*, edited by F. Javier Melero, Pedro Cano, and Jorge Revelles, pp. 187-190. ISBN 978-84-693-0772-4. Granada Spain.
- Kintigh, Keith W. And Jeffrey H. Altschul  
 2010 Sustaining the Digital Archaeological Record. *Heritage Management* 3(2): 264-274.
- Kintigh, Keith W., Donna M. Glowacki, and Deborah L. Huntley  
 2010 Long-term Settlement History and the Emergence of Towns in the Zuni Area.. In *The Archaeology of Tribal Social Formations*, compiled by Michelle Hegmon. Society for American Archaeology Press, Washington, D.C. (Reprint of 2004 *American Antiquity* article).
- McManamon, Francis P., and Keith W. Kintigh  
 2010 Digital Antiquity: Transforming Archaeological Data into Knowledge. *SAA Archaeological Record* 10(2): 37-40.

- McManamon, Francis P., Keith W. Kintigh, and Adam Brin  
 2010 Digital Antiquity and the Digital Archaeological Record (tDAR): Broadening Access and Ensuring Long-Term Preservation for Digital Archaeological Data. *The CSA Newsletter* 23(2). [online] <http://csanet.org/newsletter/fall10/nlf1002.html>
- Nelson, M. C., K. Kintigh, D. R. Abbott and J. M. Anderies.  
 2010 The Cross-scale Interplay between Social and Biophysical Context and the Vulnerability of Irrigation-dependent Societies: Archaeology's Long-term Perspective. *Ecology and Society* 15 (3): 31. [online] <http://www.ecologyandsociety.org/vol15/iss3/art31/>
- Niven, K.J., J.D. Richards, K.W. Kintigh, W.F. Limp, and F.P. McManamon  
 2010 Raising Standards: Creating Guides to Good Practice for the Archaeology Data Service and Digital Antiquity. In *Fusion of Cultures: Abstracts of the XXXVIII Annual Conference on Computer Applications and Quantitative Methods in Archaeology, CAA2010*, edited by F. Javier Melero, Pedro Cano, and Jorge Revelles, pp. 179-186. ISBN 978-84-693-0772-4. Granada Spain.
- Hill, Kim, and Keith W. Kintigh  
 2009 Can Anthropologists Distinguish Good and Poor Hunters? Implications for Hunting Hypotheses, Sharing Conventions, and Cultural Transmission. *Current Anthropology* 50(3): 369-378.
- Kintigh, Keith W.  
 2009 The Challenge of Archaeological Data Integration. In *Technology and Methodology for Archaeological Practice: Practical applications for the past reconstruction / Technologie et Méthodologie pour la pratique en Archéologie: Applications pratiques pour la reconstruction du passé*. Proceedings of the XV UISPP World Congress (Lisbon, 4-9 September 2006) / Actes du XV Congrès Mondial (Lisbonne, 4-9 Septembre 2006), Vol. 37, Session C04, edited by Alexandra Velho and Hans Kamermans, pp 81-86. ISBN 9781407306063. British Archaeological Reports BAR S2029. Archaeopress, Oxford.
- Kintigh, Keith W.  
 2008 I Wasn't Going to Say Anything, But Since You Asked: Archaeology and Archaeoastronomy. In *Foundations of New World Cultural Astronomy: A reader with Commentary*, pp. 803-806, edited by Anthony Aveni, University Press of Colorado, Boulder. Reprinted from *Newsletter of Archaeoastronomy and Ethnoastronomy* 5: 1,4.  
 2008 Repatriation as a Force of Change in Southwestern Archaeology. In *Opening Archaeology: Repatriation's Impact on Contemporary Research and Practice*, edited by Thomas W. Killion, pp. 195-207. School for Advanced Research Press, Santa Fe.  
 2008 Native American Graves Protection and Repatriation Act. In *Encyclopedia of Archaeology*, edited by Deborah Pearsall, pp.1657-1659. Elsevier Inc., Oxford.  
 2007 Late Prehistoric and Protohistoric Settlement Systems in the Zuni Area. In *Zuni Origins: Toward a New Synthesis of Southwestern Archaeology*, pp. 361-376 edited by David A. Gregory and David R. Wilcox. University of Arizona Press, Tucson.
- Qi, Y, K. S. Candan, M. L. Sapino, and K. W. Kintigh.  
 2007 Integrating and querying taxonomies with quest in the presence of conflicts. In *Proceedings of the 2007 ACM SIGMOD International Conference on Management of Data*. Pp. 1153-1155. ACM Press, New York.  
 2006. QUEST: QUery-driven Exploration of Semistructured Data with Conflicts and Partial Knowledge. in *Proceedings of the First Int'l VLDB Workshop on Clean Databases, CleanDB 2006*, Pp. 13-20. September 11, 2006, Seoul, Korea (Co-located with VLDB 2006). [Peer reviewed] (not listed in 2006 FAR)
- Briggs, John M., Katherine A. Spielmann, Hoski Schaafsma, Keith W. Kintigh, Melissa Kruse, Kari Morehouse, and Karen Schollmeyer  
 2006 Why Ecology needs archaeologists and archaeology needs ecologists. *Frontiers in Ecology* 4(4): 180-188.
- Kantner, John W. and Keith W.Kintigh  
 2006 The Chaco World. In *The Archaeology of Chaco Canyon: An Eleventh-Century Pueblo Regional Center*, pp. 153-188, edited by Stephen H. Lekson. School of American Research Press, Santa Fe.

Kintigh, Keith W. (Ed.)

- 2006 The Promise and Challenge of Archaeological Data Integration. *American Antiquity* 71(3): 567-578.

Kintigh, Keith W.

- 2006 L=archéologie et la constitution identitaire des Indiens américains du sud-ouest des États Unis. *Les Nouvelles de L=Archéologie* 103 (1<sup>re</sup> trimestre) 11-17.

- 2006 Ceramic Dating and Type Associations. In *Managing Archaeological Data: Essays in Honor of Sylvia W. Gaines*, edited by Jeffrey Hantman & Rachel Most, pp. 17-26. *Arizona State University Anthropological Research Papers* 57.

Hunt, Robert C., David Guillet, David R. Abbott, James Bayman, Paul Fish, Suzanne Fish, Keith Kintigh, and James A. Neely

- 2005 Plausible Ethnographic analogies for the Social Organization of Hohokam Canal Irrigation, *American Antiquity* 70(3):433-456.

Kintigh, Keith W.

- 2004 A Delicate Balance: The Society for American Archaeology and the Development of National Repatriation Policy. In *New Directions in First Americans Studies*, pp. 193-196, edited by Bradley Lepper. Center for the Study of the First American, College Station.

Kintigh, Keith W., Donna M. Glowacki, and Deborah L. Huntley

- 2004 Long-term Settlement History and the Emergence of Towns in the Zuni Area. *American Antiquity* 69(3): 432-456.

Huntley, Deborah L. and Keith W. Kintigh

- 2004 Archaeological Patterning and Organizational Scale of Late Prehistoric Settlement Clusters in the Zuni Region of New Mexico. In *The Protohistoric Pueblo World: A.D. 1275-1600*, edited by E. Charles Adams and Andrew I. Duff, pp. 62-74. University of Arizona Press, Tucson.

Lovis, William A., Keith W. Kintigh, Vincas P. Steponaitis, and Lynne G. Goldstein

- 2004 Archaeological Perspectives on the Native American Graves Protection and Repatriation Act: Underlying Principles. In *Legal Perspectives on Cultural Resources*, edited by Jennifer R. Richman and Marion P. Forsyth, pp. 165-184. Altamira Press, Walnut Creek.

Papalas, Christopher A., Geoffrey A. Clark, and Keith W. Kintigh

- 2003 Liencres Revisited: The Significance of Spatial Patterning Revealed by Unconstrained Clustering. In *Mesolithic on the Move: Papers Presented at the Sixth International Conference on the Mesolithic in Europe Stockholm 2000*, edited by Lars Larsson, International Conference on the Mesolith, Hans Kindgren, and Kjell Knutsson, David Leoffler, and Agneta Akerlund, pp. 253-261. Oxbow Books, Oxford.

Kintigh, Keith W.

- 2003 Coming to Terms with the Chaco World. *Kiva* 69(2): 93-116.

Ames, Kenneth, Martha Graham, Robert Kelly, Keith Kintigh, Vincas Steponaitis, and Phillip Walker

- 2001 Review of Secretary Babbitt's Final Determination of Cultural Affiliation for Kennewick Man. Submitted to v. United States, Civil Case No. 96-1481-JE, Submitted by Society for American Archaeology, Committee on Repatriation, Subcommittee on Cultural Affiliation.

Kintigh, Keith W.

- 2001 L'organisation de l'archéologie aux États-Unis. *Les Nouvelles de L'Archéologie* 85 (3e trimestre) 5-8.

Deboer, Warren R, Keith Kintigh, and Arthur G. Rostoker

- 2001 In Quest of Prehistoric Amazonia. *Latin American Antiquity* 12(3): 326-327.

Babbitt, Bruce, Frank McManamon, and Keith Kintigh

- 2000 The Future of Public Archaeology: A Conversation with Interior Secretary Bruce Babbitt, his Chief Archeologist Frank McManamon, and Society for American Archaeology President Keith Kintigh. *Common Ground* Winter 1999: 17-23.

- Goldstein, Lynne, and Keith Kintigh  
 2000 Ethics and the Reburial Controversy. In *Repatriation Reader: Who Owns American Indian Remains*, edited by Devon A. Mihesuah, pp. 180-189. University of Nebraska Press, Lincoln. (republication of a 1990 *American Antiquity* article.)
- Kintigh, Keith W.  
 2000 Leadership Strategies in Protohistoric Zuni Towns. In *Alternative Leadership Strategies in the Greater Southwest*, pp. 95-116, edited by Barbara J. Mills. University of Arizona Press, Tucson.
- Howell, Todd L., and Keith W. Kintigh  
 1998 Determining Gender and Kinship at Hawikku: A Reply to Corruccini. *American Antiquity* 63(1): 164-167.
- Deboer, Warren R, Keith W. Kintigh, and Arthur Rostoker  
 1996 Ceramic Seriation and Site Reoccupation in Lowland South America. *Latin American Antiquity* 7(3):263-278.
- Howell, Todd L. and Keith W. Kintigh  
 1996 Archaeological Identification of Kin Groups Using Mortuary and Biological Data: An Example from the American Southwest. *American Antiquity* 61(3): 537-554.
- Kintigh, Keith W.  
 1996 The Cibola Region in the Post-Chacoan Era. In *The Prehistoric Pueblo World, A.D. 1150-1350*, edited by Mike Adler, pp. 131-144. University of Arizona Press, Tucson.
- Kintigh, Keith W., Todd L. Howell, and Andrew Duff  
 1996 Post-Chacoan Social Integration at the Hinkson Site, New Mexico. *Kiva* 61(3): 257-274.
- Schreiber, Katharina J., and Keith W. Kintigh  
 1996 A Test of the Relationship between Site Size and Population. *American Antiquity* 61(3): 573-579.
- Kintigh, Keith W.  
 1994 Contending with Contemporaneity in Settlement Pattern Studies. *American Antiquity* 59(1): 143-148.  
 1994 Chaco, Communal Architecture, and Cibolan Aggregation. In *The Ancient Southwestern Community: Methods and Models for the Study of Prehistoric Social Organizations*, edited by Wirt H. Wills and Robert Leonard, pp. 131-140. University of New Mexico Press, Albuquerque.
- Cordell, Linda S., David E. Doyel, and Keith W. Kintigh  
 1994 Processes of Aggregation in the Prehistoric Southwest. In *Themes in Southwest Prehistory*, edited by George J. Gumerman, pp. 109-133. School of American Research Press, Santa Fe.
- Cordell, Linda S., Jane H. Kelly, Keith W. Kintigh, Steven H. Lekson, and Rolf Sinclair  
 1994 Toward Increasing our Knowledge of the Past: A Discussion. In *Understanding Complexity in the Prehistoric Southwest*, edited by G. Gumerman and M. Gell-Mann, pp. 163-191. Santa Fe Institute Studies in the Sciences of Complexity, Proceeding Volume XIV. Addison Wesley.
- Nelson, Ben A., Timothy D. Kohler, and Keith W. Kintigh  
 1994 Demographic Alternatives: Consequences for Current Models of Southwestern Prehistory. In *Understanding Complexity in the Prehistoric Southwest*, edited by G. Gumerman and M. Gell-Mann, pp. 113-146. Santa Fe Institute Studies in the Sciences of Complexity, Proceeding Volume XIV. Addison Wesley.
- Steponaitis, Vincas P. and Keith W. Kintigh  
 1993 Estimating Site Occupation Spans from Dated Artifact Types: Some New Approaches. In *Archaeology of Eastern North America: Papers in Honor of Stephen Williams*, edited by James B. Stoltman. Mississippi Department of Archives and History Archaeological Report 25: 349-361, Jackson, Mississippi.
- Gregg, Susan, Keith W. Kintigh, and Robert Whallon  
 1991 Linking ethnoarchaeological interpretation and archaeological data: The sensitivity of spatial analytical methods to post-depositional disturbance. In *The Archaeological Interpretation of Spatial Patterns*, edited by Ellen Kroll and T. Douglas Price, pp. 149-196. Plenum, New York.



Kintigh, Keith W.

- 1990 Intrasite Spatial Analysis: A Commentary on Major Methods. In *Mathematics and Information Science in Archaeology: A Flexible Framework*, edited by Albertus Voorrips. *Studies in Modern Archaeology* 3: 165-200. HOLOS-Verlag, Bonn.
- 1990 Protohistoric transitions in the Western Pueblo area. In *Perspectives on Southwestern Prehistory* edited by Paul E. Minnis and Charles L. Redman, pp. 258-275. Westview Press, Boulder.
- 1990 Comments on the case for full-coverage survey. *The Archaeology of Regions: The Case for Full-coverage Regional Survey*, edited by Suzanne K. Fish and Stephen A. Kowalewski. Smithsonian Institution Press, Washington.

Goldstein, Lynne, and Keith Kintigh

- 1990 Ethics and the Reburial Controversy. *American Antiquity* 55(3): 585-591.

Kintigh, Keith W.

- 1989 Sample size, significance, and measures of diversity. In *Quantifying Diversity in Archaeology*, edited by Robert D. Leonard and George T. Jones, pp. 25-36. Cambridge University Press, Cambridge.
- 1988 Monte Carlo evaluation of the effectiveness of subsurface testing for the identification of archaeological sites. *American Antiquity*. 53(4): 686-707.
- 1987 Quantitative methods designed for archaeological problems. In *Quantitative Research in Archaeology: Progress and Prospects*, edited by Mark S. Aldenderfer, pp. 126-134. Sage Publications, Newberry Park, CA.

Ammerman, Albert J., Keith W. Kintigh, and Jan F. Simek

- 1987 Recent developments in the application of the k-means approach to spatial analysis. In *Human Uses of Flint and Chert: Proceedings of the Fourth International Flint Symposium Held at Brighton Polytechnic 10-15 April 1983, Volume 2*. Cambridge University Press, Cambridge.

Kintigh, Keith W.

- 1985 Social structure, the structure of style, and stylistic patterns in Cibola pottery. In *Decoding Prehistoric Ceramics*, pp. 35-74, edited by Ben A. Nelson. Southern Illinois University Press, Carbondale.
- 1985 Problems and promise in the study of patterning. *American Archeology* 5(1): 79-80.

Simek, Jan F., Albert J. Ammerman, and Keith W. Kintigh

- 1985 Explorations in heuristic spatial analysis: Analysing the structure of material accumulations over space. In *To Pattern the Past: Symposium Organized by the Commission IV of the International Union of Pre- and ProtoHistoric Sciences at the University of Amsterdam, 1984*, edited by A. Voorrips and S. Loving. PACT (Journal of the European Study Group on Physical, Chemical, Mathematical and Biological Techniques Applied to Archaeology, Managing Editor: Tony Hackens) 11: 229-247.

Kintigh, Keith W.

- 1984 Measuring archaeological diversity by comparison with simulated assemblages. *American Antiquity* 49(1): 44-54.
- 1984 Late prehistoric agricultural strategies and settlement patterns in the Zuni area. In *Prehistoric agricultural strategies in the Southwest*, edited by Suzanne K. Fish and Paul R. Fish. *Arizona State University Anthropological Research Papers* 34: 215-232.
- 1982 An outline for a chronology of Zuni ruins, revisited: sixty-five years of repeated analysis and collection. In *The research potential of anthropological museum collections*. *Annals of the New York Academy of Sciences* 376: 467-487.

Kintigh, Keith W., and Albert J. Ammerman

- 1982 Heuristic approaches to spatial analysis in archaeology. *American Antiquity* 47(1): 31-63.

Kintigh, Keith W.

- 1982 A summary of the coding and computer analysis of the Valley of Mexico Archaeological Survey. In Prehispanic settlement patterns in the southern Valley of Mexico: the Chalco-Xochimilco region, by J.R. Parsons et al. *Memoirs of the Museum of Anthropology, University of Michigan* 14: 463-474 (Appendix III).
- 1974 A simulation model of subsistence cultures. In *Models and Innovations: Archaeological and Regional Approaches to Guanajuato, Mexico*, pp 191-229, Ezra B.W. Zubrow and A. Willard, eds. Stanford University, Department of Anthropology.

#### EXTRAMURAL GRANTS AND AWARDS

McManamon, Francis P, Keith W. Kintigh, and Adam Brin

- 2014 Ensuring Sustainability for Digital Antiquity and tDAR (the Digital Archaeological Record). Andrew W. Mellon Foundation. \$1,000,000, 3/1/2015-2/28/2019.

Kintigh, Keith W., Ann Kinzig, Timothy Kohler, Bertram Ludaescher

- 2014 BCC: Collaborative Research: Designing SKOPE: Synthesized Knowledge of Past Environments. National Science Foundation (SMA 1439591 ASU; SMA 1439603 UCSD; SMA 1439516 WSU) \$157,128 (ASU; \$393,089 total) 9/1/14 – 2/29/16.

Spielmann, Katherine A., Keith W. Kintigh, Tiffany Clark, and Allen Lee

- 2011 Faunal Resource Depression and Intensification in the North American Southwest: Digital Data and Regional Synthesis. National Science Foundation (BCS 1153115). \$156,465. 5/1/12-4/30/14.

Kintigh, Keith W.

- 2011 Fulbright Research and Teaching Fellowship. Identifying Productive Contexts for Digital Humanities Research. Humanities Institute of Ireland, University College Dublin, Dublin Ireland. €18,000. 9/1/2011-12/31/2011.

Kintigh, Keith W.

- 2011 Planning Archaeological Infrastructure for Integrative Science. National Science Foundation (BCS 1202413) \$49,999, 1/15/12-1/14/14

McManamon, Francis P., Keith W. Kintigh, Adam Brin, and Sander van der Leeuw

- 2011 Sustaining Digital Antiquity –Preservation and Access for Archaeological Information. Andrew W. Mellon Foundation, \$1,200,000, 3/1/12-2/28/15.

Perdikaris, Sophia, Thomas McGovern, Timothy Kohler, Margaret C Nelson, and Ben Fitzhugh (Keith Kintigh on Steering Committee and Senior Personnel)

- 2011 RCN-SEES Global Long-term Human Ecodynamics Research Coordination Network: Assessing Sustainability on the Millennial Scale. Serve on Steering Committee and Senior Personnel. National Science Foundation. \$498,885 (ARC 1140106) 12/1/2011-11/30/2016.

Nelson, Margaret C, John Anderies, Michelle Hegmon, Jon Norberg (Keith Kintigh on Executive Committee and Senior Personnel)

- 2011 CNH: The Complexities of Ecological And Social Diversity: A Long-Term Perspective. National Science Foundation \$1,499,551. (BCS 1113991) 9/1/2011-2/28/15

Nelson, Margaret C. and Thomas H McGovern (Keith W. Kintigh, Senior Personnel)

- 2010-11 Resilience and Vulnerability to Climate Change: A Collaboration between NABO and LTVTP. National Science Foundation. \$59,795 (ARC 1104372) 2/1/11-1/31/13.

Candan, K. Selçuk, and Keith W. Kintigh

- 2010 III: Small: One Size Does Not Fit All: Empowering the User with User-Driven Integration. National Science Foundation. \$499,946 (IIS 1016921) 8/1/2010-7/21/2013.

Howard, John B., Katherine Spielmann, and Keith W. Kintigh

- 2009 TAG: Transatlantic Archaeology Gateway. *National Endowment for the Humanities*, Division of Preservation and Access (PX-50022-09), \$134,879, 10/1/2009-3/31/2011.

Kintigh, Keith W. And Matthew Peeples

- 2009 Social Transformations and Regional Scales of Identity in the Cibola World: AD 1150-1325. *National Science Foundation* Doctoral Dissertation Improvement Grant. Submitted with Matthew Peeples. \$10,000 (BCS-0936062).



- Kintigh, Keith W., Jeffrey H. Altschul, John Howard, Timothy A. Kohler, W. Frederick Limp, Julian D. Richards, and Dean Snow  
 2008 Digital Antiquity. Enabling and Enhancing Preservation and Access to Archaeological Information. Andrew W. Mellon Foundation. \$1,293,673 (\$836,079 cost share) 1/1/2009-4/30/2011
- Limp, W. Fredrick, Keith Kintigh, Kohler, Clay Mathers, Dean Snow  
 2007 Digital Antiquity: Planning a Digital Information Infrastructure for Archaeology Andrew W. Mellon Foundation (PT07-000196) \$152,497 (\$21,295 ASU), 7/1/2007-6/30/2008.
- Kintigh, Keith W., K. Selçuk Candan, Hasan Davulcu, Margaret Nelson, Katherine Spielmann  
 2006 Archaeological Data Integration for the Study of Long-term Human and Social Dynamics . National Science Foundation (IIS-0624341), \$749,984, 11/01/06 B 10/31/09.
- Nelson, Margaret C., Marty Anderies, Michelle Hegmon, Keith W. Kintigh, and Ben A. Nelson.  
 2005 Long-Term Coupled Socioecological Change in the American Southwest and Northern Mexico. National Science Foundation (BE/CNH-0508001), \$540,955 9/15/2005-8/31/2008
- Kintigh, Keith W.  
 2005 Outstanding Doctoral Mentor for 2004, Division of Graduate Studies, Arizona State University.
- Kintigh, Keith W., John M. Anderies, K. Selçuk Candan, Peter H. McCartney, Margaret C. Nelson  
 2004 Enabling the Study of Long-Term Human and Social Dynamics: A Cyberinfrastructure for Archaeology. National Science Foundation. (SES-0433959) \$100,000, 9/15/2004-8/31/2006.
- Kintigh, Keith W., and Elizabeth Brandt  
 2004 Kewevkapaya Cultural Site Survey. Fort McDowell Yavapai Nation/National park Service. \$28,200, 12/12/04-9/30/06.
- Kintigh, Keith W.  
 2004 Community Formation, Migration, and Social Transformation in Ancestral Puebloan Society. *National Science Foundation* Doctoral Dissertation Improvement Grant. Submitted with Gregson Schachner. \$12,000 (BCS-0451354) 10/15/04-10/14/05.
- 2001 Interpretation of Archaeological Excavations at Rudd Creek Pueblo. *Arizona Game and Fish Department*. \$4000.
- 2001 Intraregional Interaction in the Mesa Verde Region, A.D. 1150-1300: Placing Emigration in its Social Context. *National Science Foundation*. Doctoral Dissertation Improvement Grant. \$12000 (BCS-0124876). Submitted with Donna Glowacki.
- 2001 Identity, Ritual, and Exchange Along the Lower Rio Puerco, New Mexico. *National Science Foundation* Doctoral Dissertation Improvement Grant. \$4610. (BCS- 0109885) Submitted with Suzanne Eckert
- 2000 Technological Style, Exchange, and the Organizational Scale of Pueblo IV Zuni Society. *National Science Foundation* Doctoral Dissertation Improvement Grant. \$7540 (0003191). Submitted with Deborah Huntley.
- 1998 Household organization and Social Inequality. *National Science Foundation* Doctoral Dissertation Improvement Grant. \$11,767. (SBR 98-05019) Submitted with Colin Grier.
- 1997 Decoupling Complexity: An Archaeological Investigation of Three Chacoan Great House Communities. *National Science Foundation* Doctoral Dissertation Improvement Grant. \$12,000. (SBR 97-26342) Submitted with Nancy Mahoney.
- 1997 *Society for American Archaeology* Presidential Recognition Award for Exceptional Service, April 4, 1997.
- 1996 The Upper Little Colorado in the Pueblo IV Period. *National Science Foundation* Doctoral Dissertation Improvement Grant. \$10,960 (SBR 9526697) submitted with Andrew Duff.
- 1995 *Society for American Archaeology* Presidential Recognition Award for Exceptional Service as Co-chair of the Task Force on Repatriation, May 1995.
- 1994 Upper Little Colorado Prehistory Project. *Arizona Heritage Fund* Grant (administered by Arizona State Parks) to the St. Johns Chamber of Commerce. (\$136,153+\$131,520 match; ASU Subcontract: \$88,153 + \$32,499 match).

- 1993 Protohistoric Zuni Social and Political Organization. *National Science Foundation*. SBR-9318701, \$12,950 1/1/94-7/31/96
- 1993 Protohistoric Transitions at Zuni. *National Endowment for the Humanities*. RK-20034-93, 6/1/93-5/30/95, (\$50,000 + \$66,671 match).
- 1993 Lyman Lake Prehistory Project. Economic Development Corporation, St. Johns, Arizona. 7/1/93-8/20/95, \$15,000.
- 1992 Tracing Hohokam Ceramic Exchange in the Lower Salt River Valley, Arizona. *National Science Foundation* Doctoral Dissertation Improvement Grant submitted with David R. Abbott. DBC 9201161, 2/1/92-7/31/93, \$4659.
- 1992 Archaeological Survey and Assessment of Lyman Lake State Park. Economic Development Corporation, St. Johns, Arizona. 6/15/92-12/31/93, \$15,000.
- 1992 Prehistoric Population Aggregation in the Cibola Area/"Bad Pass" Coronado Campsite Survey. Survey and Planning Grant, *National Park Service*, administered by the Arizona State Parks Board. 5/1/92-9/30/93, \$20,089.
- 1991 Presidential Recognition Award, *Society for American Archaeology*. April 26, 1991, Jeremy A. Sabloff, President.
- 1986 Prehistoric Settlement Along the Lower Zuni River. Historic Preservation Fund Grant, *National Park Service*, administered by the Arizona State Parks Board.
- 1983 Archaeological Survey along the Lower Zuni River. Survey and Planning Grant, *National Park Service*, administered by the Arizona State Parks Board.
- 1982 Planning and Development for the Expansion of the Arizona State Museum Computerized Site Survey File. Survey and Planning Grant, *National Park Service*, administered by the Arizona State Parks Board.
- 1981 Computerization of National Register and Other Cultural Properties in the Arizona State Museum Site Survey Files, Phase V. Survey and Planning Grant, *National Park Service*, administered by the Arizona State Parks Board.
- 1979 Settlement Patterns in Late Zuni Prehistory. Rackham Dissertation/Thesis Grant. Horace H. Rackham School of Graduate Studies, University of Michigan, Ann Arbor. \$1500. 11/5/1979-11/4/1980.

#### MINOR PUBLICATIONS, REPORTS, AND REVIEWS

Kintigh, Keith W.

- 2013 Grand Challenges for Archaeology—Crowd Sourcing Report.  
<https://core.tdar.org/document/391233> doi:10.6067/XCV8R78G30.

Kintigh, Keith

- 2010 Misunderstanding NAGPRA (Letter to the editor). *American Archaeology* 14(4):3.

McManamon, Francis P., Keith W. Kintigh, and Adam Brin,

- 2010 Digital Antiquity and the Digital Archaeological Record (tDAR): Broadening Access and Ensuring Long-Term Preservation for Digital Archaeological Data. *The CSA Newsletter* XXIII(2). Online.  
<http://csanet.org/newsletter/fall10/nlf1002.html>

Kintigh, Keith, K. Selcuk Candan, and John B. Howard

- 2008 The Digital Archaeological Record: Requirements for Database Preservation, Access and Integration. Abstract from presented paper at the 2008 Conference of Commission 4 of the Union Internationale des Sciences Prehistoriques et Protohistoriques. Paris.

Kintigh, Keith

- 2008 Zuni settlement patterns: A.D. 950-1680. *Archaeology Southwest* 22(2): 15-16.
- 2008 NAGPRA, SAA, and Culturally Unidentifiable Human remains. *SAA Archaeological Record* 8(2): 5-6.

Barton, C Michael, Bob Bolin, Christopher Boone, Alexandra Brewis, Jane Buikstra, George L Cowgill, James Eder, Edward Hackett, Sharon Harlan, Michelle Hegmon, Donald Johanson, William Kimbel, Keith Kintigh, Curtis Marean, Ben Nelson, Margaret Nelson, Charles L Redman, Kaye Reed, Katherine Spielmann, Anne C Stone and Takeyuki Tsuda

2006 Anthropology at Arizona State. *Anthropology News*. 47(9):27-28.

Schachner, Gregson, Jason Sperinck, and Keith Kintigh

2006 Archaeology and the Fort McDowell Yavapai Nation. Submitted to the Fort McDowell Yavapai Nation under National Park Service 2004 Historic Preservation Fund Grant No. 04-04-NA-0426

Kintigh, Keith W.

2005 The Promise and Challenge of Archaeological Data Integration. *Anthropology News* 46(7):16.

2005 Writing Archaeology: Analyses and Archaeological Argumentation. *SAA Archaeological Record* 5(4):33-35.

2004 Applying to Graduate School in Archaeology. *SAA Archaeological Record* 4(3): 9-12.

Kintigh, Keith and Andrew Duff

2002 History of Research in the Upper Little Colorado Region. *Archaeology Southwest* 16(3): 2.

Kintigh, Keith W.

2001 From the President: The State of the Society. *The SAA Archaeological Record* 1(1): 6-7.

2001 SAA Urges Authors to Donate Royalties to Native American Scholarship Fund. *The SAA Archaeological Record* 1(2): 5.

2001 Report of the President. *The SAA Archaeological Record* 1(3): 10-13.

2001 2001 Award Recipients. *The SAA Archaeological Record* 1(3): 18-21.

Kintigh, Keith W.

2000 Preface to the Second Edition. In *Ethics in Archaeology*, second revised edition., edited by Mark J. Lynott and Alison Wylie, p. 5. Society for American Archaeology, Washington.

2000 Report of the President. *SAA Bulletin* 18(3): 14-15.

2000 Letter to the Editor. *SAA Bulletin* 18(3): 3.

2000 From the President. *SAA Bulletin* 18(3): 7.

2000 From the President. *SAA Bulletin* 18(4): 8.

2000 Senate Committee on Indian Affairs. *SAA Bulletin* 18(4): 8-9.

2000 Wal-Mart as a Model of Public Responsibility. *Anthropology News* 41(5): 38.

2000 The Future of New World Archaeology. *Discovering Archaeology* January-February 2000: 73.

2000 From the President. *SAA Bulletin* 18(1):7.

1999 Archaeopolitics. *SAA Bulletin* 17(5):4, 8.

1999 Archaeopolitics. *SAA Bulletin* 17(4):4.

1999 Remarks by the Incoming President. *SAA Bulletin* 17:3(14).

Kintigh, Keith W.

1998 Cultural Affiliation and Consultation Under NAGPRA. *AAA Newsletter*

Lovis, William, Keith Kintigh, and Donald Craib

1998 Archaeopolitics: H.R. 2893: NAGPRA Amendment. *SAA Bulletin* 16(1): 4.

Kintigh, Keith W.

1997 Report from the Executive Board, Fall 1996. *SAA Bulletin* 15(1): 6-7 .

1997 SAA Mission Statement. *SAA Bulletin* 15(1): 7,35.

1997 Society for American Archaeology 62<sup>nd</sup> Annual Business Meeting: Minutes of the Meeting. *SAA Bulletin* 15(3): 22.

- 1997 Society for American Archaeology 62<sup>nd</sup> Annual Business Meeting: Report of the Secretary. *SAA Bulletin* 15(3): 24.
- Lipe, William and Keith Kintigh
- 1997 SOPA Vote Favors ROPA Proposal. *SAA Bulletin* 15(2): 20.
- 1997 ROPA Proposal Moves Toward Vote in the Fall. *SAA Bulletin* 15(3): 6-13.
- Kintigh, Keith W.
- 1996 Society for American Archaeology, 61st Annual Business Meeting (Minutes of the Meeting and Report of the Secretary). *SAA Bulletin* 14(3): 6, 8.
- 1996 Report from the Executive Board, Spring 1996. *SAA Bulletin* 14(3):16-17.
- 1996 SAA Principles of Archaeological Ethics. *SAA Bulletin* 14(3): 5, 17.
- 1996 Report from the Executive Board, Fall 1995. *SAA Bulletin* 14(1): 6-7.
- 1995 Report from the Executive Board. *SAA Bulletin* 13(4): 6-7.
- Goldstein, Lynne and Keith Kintigh
- 1994 Questions Posed by the SAA Task Force on Repatriation to Francis P. McManamon, Departmental Consulting Archaeologist, Department of the Interior and to Evan DeBloois, Chief Archaeologist, USDA Forest Service. *Society for American Archaeology Bulletin* 12(2): 10-14.
- Kintigh, Keith W.
- 1992 I Wasn't Going to Say Anything, But Since You Asked: Archaeology and Archaeoastronomy. *Newsletter of Archaeoastronomy and Ethnoastronomy* 5: 1,4. Center for Archaeoastronomy.
- 1991 Review of *Artificial Intelligence and Expert Systems: Case Studies in the Knowledge Domain of Archaeology*. edited by J.-C. Gardin. *American Anthropologist* 93(3): 735-736.
- 1991 Review of *The Anasazi in a Changing Environment*, edited by George J. Gumerman. *Antiquity* 65(246): 164-165.
- 1991 Archaeological Work at Heshot ulla. *Zuni History: Victories in the 1990s*, Section II, p. 26. Pueblo of Zuni, Zuni, New Mexico.
- 1991 Surveying the field: Repatriation we can live with. *Bulletin of the Society for American Archaeology* 9(1): 2-3.
- 1990 Statement of Dr. Keith Kintigh, Professor, Department of Anthropology, Arizona State University, on Behalf of the Society for American Archaeology. *Native American Grave and Burial Protection Act (Repatriation); Native American Repatriation of Cultural Patrimony Act; and Heard Museum Report. Hearing before the Select Committee on Indian Affairs, United States Senate, One Hundred First Congress, Second Session, on S. 1021 To Provide for the Protection of Indian Graves and Burial Grounds and S. 1980 To Provide for the Repatriation of Native American Group or Cultural Patrimony, May 14, 1990. S. Hrg. 101-952, pp. 68-70.*
- 1990 Society for American Archaeology Statement on S.1980, Native American Grave Protection and Repatriation Act. *Native American Grave and Burial Protection Act (Repatriation); Native American Repatriation of Cultural Patrimony Act; and Heard Museum Report. Hearing before the Select Committee on Indian Affairs, United States Senate, One Hundred First Congress, Second Session, on S. 1021 To Provide for the Protection of Indian Graves and Burial Grounds and S. 1980 To Provide for the Repatriation of Native American Group or Cultural Patrimony, May 14, 1990. S. Hrg. 101-952, pp. 529-541.*
- 1990 A perspective on reburial and repatriation. *Bulletin of the Society for American Archaeology* 8(2): 6-7.
- 1990 Update on Federal Repatriation Legislation. *Museum Anthropology* 14(3): 10.
- 1989 Update on Repatriation/Reburial. *Museum Anthropology* 13(3): 11.
- 1989 Reburial and Repatriation *Bulletin of the Society for American Archaeology* 7(6): 1.
- 1989 Review of *Signs from the Ancestors* by M. Jane Young, *American Anthropologist* 91(4): 1068.

- 1987 Archaeologist's Analytical Toolkit. *Archaeological Computing Newsletter* 10: 4-6. Department of Computing, North Staffordshire Polytechnic, Stafford, UK.
- 1984 Review of *Gifts of Mother Earth: Ceramics in the Zuni Tradition* by Margaret Ann Hardin. *The Kiva* 50(1): 71.
- 1984 Review of *Stylistic Variation in Prehistoric Ceramics: Design Analysis in the American Southwest* by Stephen Plog. *American Indian Quarterly* 8(3): 259-261.
- 1984 Draft - An archaeological assessment of pothunting damages at the Bean Patch Ruin Near St. Johns, Arizona. In Zuni Indian Tribe Lands Bill, Hearing Before the Select Committee in Indian Affairs, United States Senate, Ninety-eighth Congress, Second Session on S. 2201 to Convey Certain Lands to the Zuni Indian Tribe for Religious Purposes, April 9, 1984, pp. 69-98. Washington D.C. S. Hrg. 98-892.
- 1982 Using SPIRES to manage archaeological site information. *EDUNET News* 23: 1,6.
- 1981 Review of The archaeology of southwest Gallegos Mesa: the EPEC Survey, by Steven E. Sessions. *Navajo Nation Paper in Anthropology* 1. *Arizona Archaeological Council Newsletter* 4(8): 5-7.
- 1977 Review of Mathematics and Computers in Archaeology, by J.E. Doran and F.R. Hodson. *Computers and Mathematics with Applications* 3(2): 149-150.
- 1976 Review (book note) of The Use and Misuse of Random Sampling in Archaeology, by E.B. Jelks. *American Anthropologist* 78(4): 947-948.
- 1976 Review of Basic Ceramic Analysis, by M. Ann Bennett. *American Anthropologist* 78(3): 709-800.

#### TECHNICAL REPORTS AND DOCUMENTATION

Kintigh, Keith, William Lipe, Jeffrey Altschul, and N. Scott Urquhart

- 2006 Legacy Monitoring Data Review Panel: Report to the Grand Canyon Monitoring and Research Center, United States Geological Survey, Flagstaff, AZ.

Kintigh, Keith W.

- 1987-2006 *Tools for Quantitative Archaeology*. Documentation for copyrighted package of computer programs for archaeological data analysis. (129 and ii pages; 1987 and earlier editions entitled *Archaeologist's Analytical Toolkit*.) (Sold to 27 countries)
- 1993 Appendix D. Combined Data Base for Sites in the Fence Lake Coal Mine. In *Archaeological Survey Within the Proposed Salt River Project Fence Lake Coal Mine Project*, prepared by Mary Bernard-Shaw. *Zuni Archaeology Program Report* 393: 295-298.

Bernard-Shaw, Mary, Keith W. Kintigh, and Eric Angstadt-Leto

- 1993 Settlement Patterns. In *Archaeological Survey Within the Proposed Salt River Project Fence Lake Coal Mine Project*, prepared by Mary Bernard-Shaw. *Zuni Archaeology Program Report* 393: 155-197.

Duff, Andrew I, and Keith W. Kintigh

- 1993 An Archaeological Survey of Lyman Lake State Park, Apache County, Arizona. Report submitted to the St. Johns Economic Development Corporation and Lyman Lake State Park. Department of Anthropology, Arizona State University. (ix and 115 pages)

Duff, Andrew I., and Keith W. Kintigh

- 1993 National Register of Historic Places Nomination for the Lower Zuni River Archaeological District. Submitted to Arizona State Historic Preservation Office and accepted for listing on the National Register of Historic Places. (48 pp.)

Kintigh, Keith W., Mary Bernard-Shaw, and Peter T. Noyes

- 1993 Chronometric Patterns and Analyses. In *Archaeological Survey Within the Proposed Salt River Project Fence Lake Coal Mine Project*, prepared by Mary Bernard-Shaw. *Zuni Archaeology Program Report* 393: 123-154.

Griffith, Carol, Keith Kintigh, and Mary Carroll

- 1992 The Inference of Social Complexity from Distributions of Exotic Artifacts in the Tonto Basin. In *Developing Perspectives on Tonto Basin Prehistory*, edited by Charles L. Redman, Glen E. Rice, and Kathy E. Pedrick. *Roosevelt Monograph Series 2. Arizona State University Anthropological Field Studies* 26: 77-86.

Simon, Arleyn W., Keith W. Kintigh, and Glen E. Rice

- 1990 Overview of the Analysis. In *A Design for Salado Research*, edited by Glen E. Rice. *Roosevelt Monograph Series 2. Arizona State University Anthropological Field Studies* 26: 57-64.

Kintigh, Keith W.

- 1987 Final report: Prehistoric Settlement along the lower Zuni River. Report submitted to the Arizona State Historic Preservation Officer.
- 1985 The reliability of archaeological site identification and boundary definition in phase I testing, Chevron USA Point Arguello Field Developments. Report submitted to WESTEC Services, Inc., Cultural Resources Group, San Diego. 6/26/85
- 1984 Final report: Archaeological survey along the lower Zuni River. Report submitted to the Arizona State Historic Preservation Officer. 9/24/84.

Tuggle, H. David, Keith W. Kintigh, and J. Jefferson Reid

- 1983 Trace element analysis of white wares. In *Cholla Project Archaeology, Volume 5, Ceramic Studies*, edited by J. Jefferson Reid. *Arizona State Museum Archaeology Series* 161(5): 22-38.

Kintigh, Keith W.

- 1980 Archaeological Clearance Investigation of the Miller Canyon and Southeastern Boundary Fencing Projects, Zuni Indian Reservation, New Mexico. Zuni Archaeology Program, Pueblo of Zuni (vii, 69, and 125 pages).

## PROFESSIONAL PRESENTATIONS AND UNPUBLISHED PAPERS

Bocinsky, Kyle, Keith Kintigh, Timothy Kohler, Bertram Ludäscher, Ann Kinzig, Carla Van West, Margaret Nelson, Adam Brin, Sarah Oas, Johnathan Rush, Timothy McPhillips, Yang Cao

- 2015 Toward effective cyber-infrastructure support of socio-environmental research. Poster presented at the 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-19, 2015, San Francisco.

Kintigh, Keith W.

- 2015 Forum: The Prospects and Challenges of Faunal Data Integration and Comparative Analysis. Participant. 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-19, 2015, San Francisco.
- 2015 Forum: Building Archaeological Research Communities with Cyberinfrastructure. Participant. 80<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 15-19, 2015, San Francisco.

Kintigh, Keith W.

- 2014 Extracting Information and Knowledge from Archaeological Text. In the session, What do you want from Digital Archaeology?, organized by Jeremy Huggett, Gary Lock, and Paul Reilly. Computer Applications and Quantitative Methods (CAA) 2014, 22-25 April 2014, Paris.

Kintigh, Keith W.

- 2014 Data and Data Integration in tDAR: the Digital Archaeological Record. In the session, Online Resources for Archaeological Research., 22-25 April 2014, Paris.

Kintigh, Keith. W., and Matthew Peeples

- 2014 Estimating Population Growth from Settlement Data: A Modeling Approach. In the Session Modelling Approaches to Investigate Population Dynamics and Settlement Patterns Over the Long Term, organized by Laure Nuninger, Philip Verhagen, and Timothy Kohler. Computer Applications and Quantitative Methods (CAA) 2014, 22-25 April 2014, Paris.

Kintigh, Keith W

- 2013 Archiving, Accessing, and Integrating Archaeological Data with tDAR. Workshop sponsored by the North Atlantic Biocultural Organization (NABO), the Nordic Network for Interdisciplinary Environmental Studies (NIES), and the Global Human Ecodynamics Alliance (GHEA). 11 July 2013, Thelamork School, Iceland.

Kintigh, Keith

- 2013 Moderator for Managing Archaeological Information: The Central Arizona Project Legacy & Current Efforts. Arizona Historic Preservation Conference, 14 June 2013, Mesa, Arizona.
- 2013 Prehistoric Zuni Agriculture: Risks and Opportunities. Invited presentation, Stockholm Resilience Center, Stockholm University, 27 May 2013.

Kintigh, Keith W., Francis P. McManamon, and Katherine Spielmann

- 2013 Enhancing Data Comparability and Enabling Synthesis with tDAR (the Digital Archaeological Record) Invited paper in the session, Towards a Data Standard for Paleolithic Archaeology, organized by Denné Reed and Shannon McPherron. 78th Annual Meeting of the Society for American Archaeology, April 3-7, 2013, Honolulu, Hawaii.

McGovern, Thomas H., Jette Arneborg, Seth Brewington, Laura Comeau, Andrew Dugmore, George Hambrecht, Keith Kintigh, Christian Koch Madsen, Michelle Hegmon, Scott Ingram, Margaret C. Nelson, Richard Oram, Matthew A. Peeples, Brenda Shears, Ian Simpson, Konrad Smiarowski, Grant Snitker, Katherine Spielmann, Colleen Strawhacker, Andrea Torvinen, Orri Vésteinsson

- 2013 Completed Long Term Experiments? Mobilizing Archaeology in the Anthropocene. Paper in the Session, Practice-led Theory. 2013 Meeting of the Theoretical Archaeology Group, May 9-11, 2013, Chicago.

Strawhacker, Colleen, Ann Kinzig, Keith W. Kintigh, Katherina A. Spielmann, and Margaret C. Nelson

- 2013 Modeling the Ecological Risk of Prehistoric Landscapes in the Southwestern United States. Poster Presented at the 78th Annual Meeting of the Society for American Archaeology, April 3-7, 2013, Honolulu, Hawaii.

Kintigh, Keith W.

- 2012 Digital Data Standards and "Best Practices" Needed for Access to and Preservation of Archaeological Collections. Chair of an invited forum presented at the 77th Annual Meeting of the Society for American Archaeology, April 18-22, Memphis, Tennessee.
- 2012 Using the Digital Archaeological Record (tDAR) for Management, Research, and Education. Chair of an invited Forum presented at the 77th Annual Meeting of the Society for American Archaeology, April 18-22, Memphis, Tennessee.
- 2012 Follow the Money (and the Jobs). Presentation in the invited forum, Capacity-Building for Archaeology in the 21st Century: Capacity-Building for Archaeology in the 21st Century: How will People Manage the Information Explosion? at the 77th Annual Meeting of the Society for American Archaeology, April 18-22, Memphis, Tennessee.

Stuart, Jeffrey, Stuart, Lei Xia, Julian Richards, Jon Bateman, Keith Kintigh, Francis Pierce-McManamon, and Adam Brin

- 2011 The Transatlantic Archaeology Gateway: Bridging the Digital Ocean. Paper Presented at the 39th Annual Conference of Computer Applications and Quantitative Methods in Archaeology, "Revive the Past", Beijing, China, April 12-16, 2011.

Kintigh, Keith W

- 2011 Transformations in the Political Landscape in the Pueblo Southwest US: AD1000-1500. Invited Colloquium, University College Dublin School of Archaeology Research Seminar Series 2011-12, September 29, 2011
- 2011 Archaeology and Related Data. Invited Presentation to the National Science Foundation, Directorate for Social, Behavioral and Economic Sciences Advisory Committee Session, Planning for New SBE Data & Infrastructure Activities, May 19, 2011, Washington DC.
- 2011 Discussant in the symposium, Tree Rings, Climate, and Behavior: The Legacy of Jeffrey S. Dean. 76th Annual Meeting of the Society for American Archaeology, March 30-April 3, 2011, Sacramento, CA.



- 2011 Discussant in the symposium, The Chaco to Post-Chaco Transition in the Northern San Juan Region. 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 30-April 3, 2011, Sacramento, CA.
- 2011 Discussant in the forum, Planning for Archaeological Digital Data Management. 76<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 30-April 3, 2011, Sacramento, CA.
- Spielmann, Katherine and Keith Kintigh
- 2010 The Digital Archaeological Record: The Potentials of Archaeozoological Data Integration through tDAR. Invited paper presented at the 2010 Meeting of the International Council for Archaeozoology, August 23-28, 2010, Paris.
- McManamon, Francis P. And Keith W. Kintigh
- 2010 Designing Digital Antiquity. Invited paper in the session, Technology Across the Divide: State of the Art Tools for Terrestrial and Marine Archaeologists. 43<sup>rd</sup> Annual meeting of the Society for Historical Archaeology, January 6-9, Amelia Island Plantation, Jacksonville, Florida.
- Kintigh, Keith W.
- 2010 Participant. Resilience and Vulnerability to Climate Change: A Collaboration Between NABO and LTVTP. December 10-12, Amerind Foundation, Dagoon, Arizona.
- 2010 Sustaining Database Semantics. Invited paper presented in the session, Taking the Long View: Putting Sustainability at the Heart of Data Creation. Fusion of Cultures: the XXXVIII Annual Conference on Computer Applications and Quantitative Methods in Archaeology, April 6-9, 2010, Granada Spain.
- 2010 Discussant in the forum, Establishing tDAR, at the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 14-18, 2010, St Louis.
- 2010 Discussant in the forum, Digging up the Future of Publishing: The Archaeology of the Americas Digital Monograph Initiative, at the 75<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 14-18, 2010, St Louis.
- 2010 Designing Digital Antiquity. Keynote lecture, School of Anthropology, University of Arizona, Tucson, AZ, February 19, 2010.
- 2009 Envisioning the Archaeological Record. Invited paper presented at the Computer Applications and Quantitative Methods in Archaeology Annual Meeting, March 23, 2009.
- 2009 Designing Digital Antiquity. Invited paper presented in the Public Symposium, Digital Heritage, September 22, 2009, Flinders University, Australia.
- Kintigh, Keith and Jeffrey Altschul
- 2009 Sustaining the Digital Archaeological Record: How Do We Pay for this Stuff? Invited paper presented in the Session, Dollars and Sense in Recovering and Managing Archaeological Collections at the 74<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 23, 2009, Atlanta, Georgia.
- Limp, Fred, Julian Richards, and Keith Kintigh
- 2009 New Developments in the Preservation of Digital Data for Archaeology. Workshop presented at the 74<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 22, 2009, Atlanta, Georgia.
- Kintigh, Keith W.
- 2008 tDAR: The Digital Archaeological Record. Invited Presentation to Plenary Session: Mega Databases in Southwestern Archaeology: Current Status and Future Prospects. 2008 Pecos Conference. 9 August 2008. Flagstaff, AZ
- 2008 Digital Antiquity: Planning an Information Infrastructure for Archaeology, Keith Kintigh, organizer). SAA Board Sponsored Forum. 73<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Vancouver, B.C., March 27, 2008. (Organizer, Moderator, and Presenter)
- 2008 Beyond Cultural Affiliation: Culturally Unidentifiable Human Remains Under NAGPRA. Invited Lecture, Arizona Bioarchaeology Roundtable sponsored by the Arizona Archeological Council, April 25, 2008, Phoenix.

- 2008 A Look into the Research Life of Faculty. Invited Lecture, ASU University Libraries, March 25, 2008, Tempe.
- Kintigh, Keith and Jeffrey Altschul  
2008 tDAR: the Digital Archaeological Record. Presentation to a meeting of the Chief Archaeologists of US Government Agencies. June 18, 2008, National Park Service, Washington.
- Kintigh, Keith W., Fred Limp, and Dean Snow  
2008 Digital Antiquity: Planning a Digital Information Infrastructure for Archaeology. Invited presentation at Archaeology All Projects Meeting, The Andrew W. Mellon Foundation, New York, March 5-7, 2008, New York.
- Kintigh, Keith W., K. Selçuk Candan, John B. Howard  
2008 The Digital Archaeological Record: Requirements for Database Preservation, Access, and Integration. Presentation at the 2008 Conference of Commission 4 of the Union Internationale des Sciences Préhistoriques et Protohistoriques, organized by François Djindjian & Hélène Noizet, June 3-4, 2008, Paris, France.
- Nelson, M.C. K.W. Kintigh, and D.R. Abbott  
2008 Archaeology's Long-term Perspective on Irrigation Infrastructure and Vulnerability. In Water Management Strategies for Socio-ecological Resilience in Smallholder Agricultural Landscapes Resilience 2008, Stockholm, Sweden, April 14-17, 2008.
- Russell, Will, Aaron Wright, and Keith Kintigh  
2008 The ONB Cave Site: Finding Clovis Archaeology with African Elephant-Hunting Techniques. Poster presented at the 10<sup>th</sup> biannual Southwest Symposium, January 17-19, 2008, Tempe, Arizona.
- Schoville, Benjamin, Mallorie Hatch, and Keith Kintigh  
2008 tDAR: Introducing the Digital Archaeological Record. Poster presented at the 10<sup>th</sup> biannual Southwest Symposium, January 17-19, 2008, Tempe, Arizona.
- Kintigh, Keith and Matthew Peeples  
2007 Population Growth from Settlement Data: A Modeling Approach. Paper presented in the invited session, Honoring Linda Cordell: Demographics, Social, and Ideological Perspectives in Population Movement, organized by Margaret Nelson and Catherine Cameron. 71<sup>st</sup> Meeting of the Society for American Archaeology, April 25-29, 2007, Austin, Texas.
- Kintigh, Keith W.  
2007 The Challenge of Archaeological Data Integration. Invited Lecture, Statistical research, Inc., Tucson, AZ. January 29, 2007.  
2006 The Challenge of Archaeological Data Integration. Paper presented in the invited session, Technology and Methodology for Archaeological Practice: Practical Applications for the Reconstruction of the Past, organized by Alexandra Velho and Hans Kamermans at the Congress XV of the Union Internationale des Sciences Préhistoriques et Protohistoriques, 4-9 September 2006, Lisbon, Portugal.  
2006 Legacies on the Landscape: National Monuments and the 1906 Antiquities Act. Paper Presented in the SAA Board-sponsored symposium, Centennial Reflections and Challenges: the Antiquities Act of 1906 and its Legacy, organized by Hilary A. Soderland and Francis McManamon at the 71st Annual Meeting of the Society for American Archaeology, April 26-30, 2006, San Juan, Puerto Rico.  
2006 Discussant for the SAA Board-sponsored forum, Centennial Reflections and Challenges: the Antiquities Act of 1906 and its Legacy, organized by Hilary A. Soderland and Francis McManamon at the 71st Annual Meeting of the Society for American Archaeology, April 26-30, 2006, San Juan, Puerto Rico.  
2006 Discussant in the invited forum, Toward a Cyber-infrastructure for Archaeology: Tools and Incentives, sponsored by The William and Flora Hewlett Foundation and organized by Eric Kansa and Michael Ashley at the 71st Annual Meeting of the Society for American Archaeology, April 26-30, 2006, San Juan, Puerto Rico

- 2005 In the Wake of Chaco's Collapse: Transformations in the 13th Century Political Landscape of the Northern Southwest. Invited lecture, National Science Foundation. January 18, 2006.
- Hegmon, Michelle and Keith Kintigh  
 2005 Why Did They Stay? Diversity in Decision-Making and Residential Mobility in the Mimbres Region of the US Southwest. Paper presented in the invited session, Transformation and Stability in Socioecological Systems: Archaeological Perspectives on Resilience Theory, organized by Michelle Hegmon and Margaret C. Nelson at the 104<sup>th</sup> Annual meeting of the American Anthropological Association, December 3, 2005, Washington D.C.
- Kelly, Sophia E., Matthew Peeples, Jason Sperinck, M. Scott Thompson, Keith Kintigh, and Gregson Schachner  
 2005 Small Site Testing in the El Morro Valley, New Mexico. Poster Presented at the 70th Annual Meeting of the Society for American Archaeology, April 2005, Salt Lake City.
- Kintigh, Keith W.  
 2005 In the Wake of Chaco's Collapse: Transforming the 13th Century Political Landscape of Zuni Area. SMU-In-Taos Public Events Series lecture. June 28, 2005, Taos, NM.  
 2005 Repatriation as a Force of Change in Southwestern Archaeology. Paper presented in an invited session at the Annual Meeting of the Society for Applied Anthropology, April 2005, Santa Fe.
- Briggs, John M., Lisa Baldwin, Michelle Hegmon, Kari Horn, Jason Kaye, Keith W. Kintigh, Melissa Kruse, K. Chien Lai, Hoski Schaafsma, Karen Schollmeyer, Katherine A. Spielmann, Andrew T. Smith, and Caitlin Wichlacz  
 2004 Legacies on the landscape: Integrating ecology and archaeology to understand long-term human-ecosystem interactions, poster presentation at the 2004 Annual Meeting of the Ecological Society of America, Portland, Oregon, August 1-6, 2004.
- Kintigh, Keith W.  
 2004 Repatriation as a Force of Change in Southwestern Archaeology. Paper Presented at the School of American Research Advanced Seminar: Politics, Practice and Theory: Repatriation as a Force of Change in Contemporary Anthropology, August 3-5, 2004, Santa Fe.
- Schachner, Greg and Keith W. Kintigh  
 2004 Community formation and Migration in the 13<sup>th</sup> Century El Morro Valley, New Mexico. Poster presented at the 69<sup>th</sup> Annual Meeting of the Society for American Archaeology, Montreal, March 31-April 4, 2004.
- Kintigh, Keith W.  
 2003 More than a Memory: How the Past Matters in the Present. In the symposium, [M]isunderstanding Village Abandonments in the Prehistoric Northern American Southwest, organized by Margaret Nelson. Annual Meeting of the American Association for the Advancement of Science, Denver, February 17, 2003.  
 2003 Sponsored Forum: Do Archaeologists Really Know What They Want From A Relationship With Native Americans? 68<sup>th</sup> Annual meeting of the Society for American Archaeology, Milwaukee, WI, April 9-13, 2003.  
 2003 Sponsored Forum: Is the Register of Professional Archaeologists Relevant to Academic Archaeology. 68<sup>th</sup> Annual meeting of the Society for American Archaeology, Milwaukee, WI, April 9-13, 2003.  
 2003 Discussant, Colonialism and Culture Change at Zuni Pueblo, 1300-Present, Amerind Foundation Advanced Seminar, Organized by Barbara J. Mills, 18-23 May 2003.
- Kantner, John and Keith Kintigh  
 2002 The Chaco World. Position paper for the National Park Service Chaco Synthesis Project conference, October 16-19, Albuquerque.
- Kintigh, Keith W.  
 2002 Participant in the conference, A Dialogue with Museum and Scientific Communities, as a part of NAGPRA Grant #04-98-GP-166, "Dialogue on Disposition of 'Culturally Unidentifiable' Remains." June 14, 2002, Tempe, Arizona.  
 2001 Late Prehistoric and Protohistoric Settlement Systems in the Zuni Area. Zuñi-Mogollon Seminar, Museum of Northern Arizona, October 14-19, 2001.

- 2001    Who Owns the Past, Panel Discussion on Repatriation organized by ASU Justice Studies Department, April 24, 2002. (With James Riding In, Michael Haney, and Jed Riffe)
- 2001    Moderator of Hidden Archaeology. Arizona Archaeological Council Spring Symposium (full day). May 19, 2001. (Invited regional)
- Huntley, Deborah L., and Keith W. Kintigh
- 2001    Archaeological Patterning and Organizational Scale of Late Prehistoric Settlement Clusters in the Zuni Region of New Mexico. Paper presented in the symposium, Cluster Analysis: the History and Organization of Pueblo IV Period (A.D. 1275-1540) Settlement Clusters in the American Southwest at the 66<sup>th</sup> Annual Meeting of the Society for American Archaeology, April 2001, New Orleans.
- Papalas, Christopher, Geoffrey Clark, and Keith Kintigh
- 2000    Liencrees Revisited: The Significance of Spatial Patterning Revealed by Unconstrained Clustering. Poster presented at the Sixth International Symposium on the Mesolithic in Europe, September 4-8, 2000, Stockholm.
- Glowacki, Donna M. and Keith W. Kintigh
- 2000    Settlement Patterns in the Vicinity of Heshotauthla, New Mexico. Paper presented at the 65 Annual Meeting of the Society for American Archaeology, April 5-9, 2000, Philadelphia.
- Kintigh, Keith W.
- 2000    NAGPRA: An Archaeological Perspective on its Origin and Evolution, Its Problems and Prospects. Paper Presented in the (Harvard University) Peabody Museum Symposium, A Decade of NAGPRA: Reviewing the Law, sponsored by the Harvard University Native American Program, April 14, 2000, Cambridge. (National, invited)
- 1999    Resampling, Regression, and the Artifact Class Richness. Paper presented in the symposium, Significant Problems in Archaeological Method and Theory and What We Can Do About Them, organized by Emily McClung de Tapia and Saburo Sugiyama at the 64<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 24-28, 1999, Chicago.
- 1999    Introduction. Sponsored Plenary Session, From Fay-Cooper Cole to the New Archaeology: Intellectual Legacies of Chicago Archaeology. 64<sup>th</sup> Annual Meeting of the Society for American Archaeology, March 24-28, 1999, Chicago.
- 1999    “What Does NAGPRA Mean by Cultural Affiliation” in Panel 7, Ancient Remains and the Dispute over “Cultural Affiliation”: The Controversy over Kennewick Man. Arizona State University, College of Law, Indian Legal Program Symposium on *Land, Culture, and Community: Contemporary Issues in Cultural Resources Protection*, February 25-26, 1999, Tempe, Arizona.
- Lovis, William A., Keith W. Kintigh, Vincas P. Steponaitis, and Lynne G. Goldstein
- 1999    Archaeological Perspectives on the Native American Graves Protection and Repatriation Act; Underlying Principles. Paper presented in the Repatriation Symposium at the Fourth World Archaeological Congress. Cape Town, South Africa, January 1999.
- Cowgill, George L., and Keith W. Kintigh (Conference Organizers)
- 1998    When Archaeological Problems Demand Quantitative Methods. 1998 Inter-congress Meeting of Commission 4 of the International Union of Prehistoric and Protohistoric Sciences, Data Management and Mathematical Methods in Archaeology, November 19-22, 1998. Scottsdale, Arizona.
- Huntley, Deborah, Nancy Mahoney, and Keith Kintigh
- 1998    Modeling Cibolan Community Interaction through Ceramic Compositional Analysis. 63<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Seattle March 25-29, 1998.
- Kintigh, Keith W.
- 1998    Estimating the Lengths of Temporal Intervals from Sets of Dates with Measurement Errors. Paper Presented at the 1998 Inter-congress Meeting of Commission 4 of the International Union of Prehistoric and Protohistoric Sciences, November 19-22, 1998. Scottsdale, Arizona.

- 1998 Leadership Strategies in Protohistoric Zuni Towns. Paper Presented in the symposium, Corporate or Network, Alternative Leadership Strategies in the Greater Southwest. 63<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Chicago March 25-29, 1998.
- 1998 Sponsored Forum: NAGPRA Current Issues and Future Prospects, Panel Member. Annual Meeting of the Society for American Archaeology, Chicago March 25-29, 1998.
- 1998 Discussant for the symposium, The Impacts of Repatriation: International Perspectives. 63<sup>rd</sup> Annual Meeting of the Society for American Archaeology, Chicago March 25-29, 1998.
- 1998 Let's Start with the Definition: A Relationship of Shared Group Identity, Identifiable Earlier Group, and Issues of Joint Affiliation. Paper presented at the 2<sup>nd</sup> Durango Affiliation Conference on Ancestral Peoples of the Four Corners Region. February 20-21, 1991, Durango, Colorado.
- 1998 Political Organization of the Protohistoric Cities of Cibola. Paper presented in the session, The Pueblo Perspective, at the conference, The Transition from Prehistory to History in the Southwest, Albuquerque, February 27-March 1, 1998
- Cowgill, George L., and Keith Kintigh  
 1997 How Random Errors in Dates Increase Apparent Lengths of Intervals. Paper Presented at the 62<sup>nd</sup> Annual Meeting of the Society for American Archaeology, Nashville, April 2-6, 1997.
- Duff, Andrew I. and Keith W. Kintigh  
 1997 Beyond Microseriation: Chronology, Ceramics, and Social Process. Paper presented in the symposium, Using Seriation in Processual Archaeology, at the 62<sup>nd</sup> Annual Meeting of the Society for American Archaeology, Nashville, April 2-6, 1997.
- Kintigh, Keith W.  
 1997 NAGPRA Revisited: Where Do We Go from Here? American Anthropological Association Annual Meeting Public Forum Panel Member. 96<sup>th</sup> Annual Meeting of the American Anthropological Association, November 19-23, Washington D.C.
- Kintigh, Keith W. and William D, Lipe  
 1996 The Register of Professional Archaeologists: Strengthening Archaeological Standards and Ethics. Forum sponsored by the SAA Executive Board, the Society for Historical Archaeology, the Society of Professional Archeologists, and the Archaeological Institute of America at the 61<sup>st</sup> Annual Meeting of the Society for American Archaeology, New Orleans, April 10-14, 1996. (co-organizer and participant)
- Kintigh, Keith W.  
 1995 Comments on *A Chronological Scale and Complexity in the American Southwest* by Suzanne K. Fish and Paul R. Fish in the Invited Symposium. Complex Societies Group. San Bernardino, California, October 21-22, 1995.
- 1995 Integrating Public Education In Research. Presentation in a Sponsored Forum at the 60<sup>th</sup> Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota, May 3-7, 1995.
- 1995 Collaborative Interpretation of the Prehistoric Landscape of the Upper Little Colorado River Valley, Arizona. Environmental Studies Lecture Series: Native Americans: Culture, Sacred Land, and the Environment, University of California, Santa Barbara, CA. January 30, 1995.
- 1995 Who Owns the Past: Ethical Issues in Archaeology, Panelist, Department of Anthropology, Arizona State University, February 10, 1995.
- Mahoney, Nancy, Andrew I. Duff, and Keith W. Kintigh  
 1995 The Role of Chacoan Outliers in Local Organization. Paper presented in the symposium, New Studies of Chacoan Outliers. 60<sup>th</sup> Annual Meeting of the Society for American Archaeology, Minneapolis, Minnesota, May 3-7, 1995.
- Kintigh, Keith W.  
 1994 Post-Chacoan Developments in the Cibola Area. Department of Anthropology, Columbia University, New York. November 3, 1994.
- 1994 Repatriation: A Perspective from Academic Archaeology. Invited Session, Repatriation: Getting it Back, at the Council for American Indian Interpretation Workshop, Revealing Visions: Reconciling the Past with the Present for the Future. September 26-19, 1994, Grand Canyon, Arizona.

- 1994 Invited Participant, Society for American Archaeology's Conference, Save the Past for the Future, Education Section. September 19-23, Breckenridge, Colorado.
- 1994 The Rudd Creek Ruin and Upper Little Colorado Prehistory. White Mountain Celebration: A Conservation Workshop. Sponsored by Arizona Game and Fish, June 10-12, 1994, Springerville, Arizona
- 1994 Post-Chacoan Developments in the Cibola Area. Upper Little Colorado Prehistory Project, Summer Lecture Series, July 13, 1994. Lyman Lake State Park, St. Johns, Arizona..
- 1994 The Rudd Creek Ruin and Upper Little Colorado Prehistory. White Mountain Celebration: A Conservation Workshop. Sponsored by Arizona Game and Fish, June 10-12, 1994, Springerville, Arizona
- Goldstein, Lynne and Keith Kintigh (moderators)
- 1994 Straight from the Horse's Mouth: Francis P. McManamon Answers your NAGPRA Questions. Invited Forum at the 59th Annual Meeting of the Society for American Archaeology, Anaheim, April 20-24, 1994.
- Kintigh, Keith W.
- 1993 Indians, Archeologists, and NAGPRA. Invited Presentation at the Consolidated Recreational Training Conference, Region 3, US Forest Service, November 1-5, 1993, Albuquerque.
- 1993 Partitioning the Cibola Province: Contrasting Pueblo IV Traditions at Zuni and along the Little Colorado. Paper presented in the invited session "An Overview of Late Prehistory in the Upper Little Colorado River Region" the 66th Pecos Conference, Springerville, Arizona, August 12-15, 1993
- Duff, Andrew I. and Keith W. Kintigh
- 1993 Pueblo IV on the Upper Little Colorado River: Insights from Rattlesnake Point Pueblo. Paper presented at the 66th Pecos Conference, Springerville, Arizona, August 12-15, 1993
- Kintigh, Keith W. and Andrew I.L. Duff
- 1993 The Changing Face of Community: Patterns from the Zuni River Drainage. Paper presented at the 58th Annual Meeting of the Society for American Archaeology, April 14-18, 1993, St. Louis.
- Kintigh, Keith W.
- 1992 Legislative History: The Native American Graves Protection and Repatriation Act. Paper presented to the Arizona Archaeological Council, November 12, 1992, Pueblo Grande Museum, Phoenix.
- 1992 Post-Chacoan Organizational Developments as Evidenced at the Hinkson Site, New Mexico. Paper presented in the symposium, Historic and Prehistoric Changes in Zuni Social Organization, organized by Todd L. Howell and Tammy Stone. 57th Annual meeting of the Society for American Archaeology, Pittsburgh, April 8-12, 1992.
- 1991 Reflections on the Native American Grave Protection and Repatriation Act. Invited paper presented at the conference, Indians Making Museums: A Conference on Tribal Museums and Careers for Indians in Museums. November 1-2, 1991, Tempe, Arizona.
- Griffith, Carol, Keith Kintigh, and Mary Carroll
- 1991 The Inference of Social Complexity from Distributions of Exotic Artifacts. Invited paper in the symposium, Courses Toward Complexity, 56th Annual Meeting of the Society for American Archaeology, April 24-28, New Orleans.
- Kintigh, Keith W.
- 1990 Chair, Open Forum on Repatriation, Society for American Archaeology 55th Annual Meeting of the Society for American Archaeology, April 18-22, 1990, Las Vegas.
- 1990 Society for American Archaeology Statement on H.R. 5237, H.R. 1646 & H.R. 1381: Native American Grave Protection and Repatriation Act, Native American Grave and Burial Protection Act, Native American Burial Site Preservation Act. Presented to a hearing of the US Congress For the House Committee on Interior and Insular Affairs, July 17, 1990, Washington. D.C.

- 1990 Society for American Archaeology Statement on S.1980, Native American Grave Protection and Repatriation Act. Presented to a hearing of the US Senate Select Committee on Indian Affairs, May 14, 1990, Washington, D.C.
- 1990 Pueblo III in the Cibola Area. Paper presented at the conference, Pueblo Cultures in Transition: A.D. 1150-1350 in the American Southwest, March 28-April 1, 1990, Crow Canyon Archaeological Center, Cortez, Colorado.
- 1990 Chaco, Communal Architecture, and Cibolan Aggregation. Paper presented in the invited session "Aggregation in the Southwest," organized by Linda Cordell, Second Southwest Symposium, January 11-12, 1990, Albuquerque, New Mexico.
- Cordell, Linda S., Jane H. Kelly, Keith W. Kintigh, Steven H. Lekson, and Rolf Sinclair
- 1990 Toward Increasing our Knowledge of the Past: A Discussion. Paper developed at the Santa Fe Institute Workshop, The Organization and Evolution of Prehistoric Southwestern Society, October 1-5, 1990, Santa Fe.
- Goldstein, Lynne G. and Keith W. Kintigh
- 1990 Reburial and Repatriation: The Ultimate Ethical Dilemma. Invited paper in the symposium, Personal Morals and Disciplinary Imperatives: Ethical Archaeology and Archaeological Ethics, 55th Annual Meeting of the Society for American Archaeology, April 18-22, 1990, Las Vegas.
- Nelson, Ben A., Timothy A. Kohler, and Keith W. Kintigh
- 1990 Demographic Alternatives: Consequences for Current Models of Southwestern Prehistory. Paper presented at the Santa Fe Institute Workshop, The Organization and Evolution of Prehistoric Southwestern Society, October 1-5, 1990, Santa Fe.
- Kintigh, Keith W.
- 1989 Discussant for the symposium Three Dimensional Archaeology, Finally a Frontier. 54th Annual Meeting of the Society for American Archaeology, Atlanta Georgia.
- 1989 Save the Past for the Future. Society for American Archaeology representative to the Taos Working Conference on Preventing Archaeological Looting and Vandalism. May 7-12, Taos, New Mexico.
- Cordell, Linda S., David E. Doyel, and Keith W. Kintigh
- 1989 Aggregation. Invited paper in the joint conference of the School of American Research and the Santa Fe Institute, The Organization and Evolution of Prehistoric Southwestern Society, September 25-29, 1989, Santa Fe.
- Kintigh, Keith W.
- 1988 The Role of the Household in the Integration of Prehistoric Cibolan Villages and Towns. Paper presented in the invited session, Household and Community in the Southwest, at the Chacmool Conference, November 10-13, 1988, Calgary, Alberta.
- 1988 Protohistoric transitions in the Western Pueblo area. Paper presented in the invited session, Prehistoric to Historic Transitions, at the Southwestern Symposium, January 15 and 16, 1988, Tempe, Arizona.
- 1988 The Organization of Prehistoric Villages in the Cibola Area of the Southwest. Paper presented in the symposium, Villages and Towns: Southwest/Mississippian Parallels, at the 53rd annual meeting of the Society for American Archaeology, Phoenix, Arizona.
- Kintigh, Keith W., Susan Gregg, and Robert Whallon
- 1987 Linking ethnoarchaeological interpretation and archaeological data: The sensitivity of spatial analysis methods to post-depositional disturbance. Paper presented in the symposium, The Interpretation of Spatial Patterns within Stone Age Archaeological Sites, at the 52nd Annual Meeting of the Society for American Archaeology, May 6-10, 1987, Toronto.
- 1986 The analysis of archaeological diversity. Poster Session at 51st Annual Meeting of the Society for American Archaeology, New Orleans, April 23-27, 1986.
- Schreiber, Katharina J., and Keith W. Kintigh
- 1986 Aqueducts and settlement patterns in the middle and upper Nasca Valley. Paper presented at the 1986 Annual Meeting of the Institute of Andean Studies, Berkeley.



Kintigh, Keith W.

- 1985 Quantitative methods designed for archaeological problems. Paper presented in the symposium, Moving Beyond Mere Methods: On the Relationship of Quantitative Methods and Archaeological Theory, at the 50th Annual Meeting of the Society for American Archaeology, Denver.
- 1985 Discussant for the symposium, The Case for Full-Coverage Regional Survey, at the 50th Annual Meeting of the Society for American Archaeology, Denver.

Steponaitis, Vincas P. and Keith W. Kintigh

- 1985 Estimating site occupation spans from datable artifacts. Paper presented at the meeting of International Union of Pre- and Proto-historic Sciences, Commission 4: Data Management and Mathematical Methods in Archaeology, April 29-May 1, 1985, Denver.
- 1985 Some New Ways of Estimating Site Occupation Spans From Dated Artifacts. Paper presented at the Southeastern Archaeological Conference, November 7-9, 1985, Birmingham, Alabama.

Kintigh, Keith W.

- 1984 Sample size, significance, and measures of diversity. Paper presented in the symposium, The Concept and Measure of Archaeological Diversity, at the 49th Annual Meeting of the Society for American Archaeology, Portland.
- 1984 Discussant for the symposium, From Fourier to Fractals: Archaeological and Mathematical Frontiers of Pattern Analysis, at the 49th Annual Meeting of the Society for American Archaeology, Portland.

Simek, Jan, Albert Ammerman, and Keith W. Kintigh

- 1984 Explorations in heuristic spatial analysis: Analysing the structure of material accumulations over space. Paper presented at Le Union Internationale des Sciences Préhistorique and Protohistorique, Commission 4: Data Management and Mathematical Methods in Archaeology. Amsterdam, the Netherlands, May 1984.

Ammerman, Albert J., Keith W. Kintigh, and Jan F. Simek

- 1983 Recent developments in the application of the k-means approach to spatial analysis. Paper presented at the Fourth International Flint Symposium, Brighton, England, April 10-15, 1983.

Kintigh, Keith W.

- 1982 A painless measure of archaeological diversity. Paper presented at the 47th annual meeting of the Society for American Archaeology, Minneapolis.
- 1981 An outline for a chronology of Zuni ruins, revisited: sixty-five years of repeated analysis and collection. New York Academy of Sciences Conference on the research potential of anthropological museum collections. February 25-27, 1981. New York.
- 1979 Stylistic patterns and social structure in the El Morro Valley. Invited paper, annual meeting, Northeastern Anthropological Association, Henniker, N.H.
- 1979 Social structure, the structure of style, and stylistic patterns in Cibola pottery. Preliminary Paper, Department of Anthropology, University of Michigan.
- 1974 An artificial intelligence approach to the discovery of structure in archaeological data: or, can AI give archaeologists the chance to spend more time talking about people and less time talking about pottery. Manuscript, Museum of Anthropology, University of Michigan, 10/1/74.

#### **PUBLIC EXHIBITS, PRESENTATIONS, AND OPEN HOUSES**

- 2013 Looking for the Future of the Past. Museum of Anthropology, Arizona State University, Feb 7-May 31, 2013. Contributor and Member of the Exhibit Committee.
- 2012 Digging Arizona. Lecture and guided tour of the Arizona State University Museum of Anthropology Exhibit to Spirit of the Senses Salon (a Phoenix-based arts group.) December 17 2012.
- 2011 Choosing a Future With Water. Museum of Anthropology, Arizona State University. (2012 Tempe Historical Museum). Member of Exhibit Committee.
- 2002 *Hawikku: Echoes from our Past A*: shiwi Awan Museum and Heritage Center, Pueblo of Zuni, New Mexico. Opened, November 2, 2002. (Consultant on NEH Planning Grant)

- 2002 Rudd Creek Pueblo Exhibit, the archaeology section of the permanent exhibit at Arizona Game and Fish's Sipe White Mountain Wildlife Area interpretive center, Springerville, Arizona. Opened, May 11, 2002. (Collaborated on text and design with Tiffany Clark)
- 1996 *Interpreting the Prehistory of Lyman Lake State Park*. Exhibit installed in Lyman Lake State Park visitor center. Director; collaborated with Peggy Lindauer and Andrew Duff in the writing of the exhibit; preparation and installation by Peggy Lindauer.
- 1995 Archaeological Open House. Lyman Lake State Park. Arizona, June and August 1995
- 1990 Archaeological Open House. Heshotauthla, Zuni Indian Reservation, New Mexico. July 1990.
- 1991 Archaeological Open House. Heshotauthla, Zuni Indian Reservation, New Mexico. July 1991.

**GRADUATE AND HONORS COMMITTEES****PhD Chair, Finished**

Stone, Tammy T. 1992  
 Abbott, David R. 1994

**1995 SAA Dissertation Award**

Howell, Todd L. 1994  
 Varien, Mark D. 1997

**1998 SAA Dissertation Award**

Duff, Andrew I.L. 1999

**2001 SAA Dissertation Award**

Grier, Colin 2001  
 Bernardini, Wes (co-) 2002

**2003 SAA Dissertation Award**

Eckert, Suzanne 2003  
 Huntley, Deborah 2004  
 Howard, Jerry 2006  
 Glowacki, Donna 2006  
 Schachner, Gregson 2007  
 Kyle Woodson 2010  
 Peeples, Matthew (co-) 2011

**2014 SAA Dissertation Award****PhD Committee Member, Finished**

Lowell, Julie, 1986 UA  
 Curet, Antonio 1992  
 Stewart, Andrew 1994 UCSB  
 Bayman, James 1994  
 James, Steve 1994  
 Savage, Steve 1995  
 Cameron, Judi 1995  
 Chen, Maa Ling 1997  
 Potter, Jim 1997  
 Whitridge, Peter 1998  
 Roler, Kathy 1999  
 Allison, James 2000  
 Ian Robertson 2001

**2004 SAA Dissertation Award**

Michael Ohnorsorgen 2001  
 Graves, Billy 2002  
 Stuart, Glenn 2003  
 Czarzasty, John 2005  
 Clark, Tiffany 2006  
 Garraty, Christopher 2006  
 Christopher Papalas 2008  
 Clayton, Sarah 2009

**2010 SAA Dissertation Award**

Qi. Yan (CS) 2009  
 Ortman, Scott 2009

**2011 SAA Dissertation Award**

Scott Ingram 2010  
 Patricia Biggs (History) 2011

Michael A. Steiner Memorial Award for Best  
 Dissertation/Thesis in History

Kruse-Peebles, Melissa 2013  
 Thompson, M. Scott 2014  
 O'Hara, Michael

**PhD Committee Chair, Current**

Oas, Sarah (co- w/ Hegmon)

**PhD on Committee, Current**

Cegielski, Wendy (Barton) Coudart  
 Wilson, Nathan (Stark) Smith

**MA Chair, Finished**

Castellón, Blas	1991
Bilsbarrow, Mathew	1992
Duff, Andrew I.L.	1993
Angstadt-Leto, Eric	1994
Cohen, Allison E.	1995
Eckert, Suzanne L.	1995
Galke, Laura June	1995
Grier, Colin	1996
Clark, Tiffany C.	1997
Sonderegger, Kimberly	2001
Thompson, Mason Scott	2005
Peeples, Matthew	2006
Kelly, Sophia	2006
Chloe Atwater	2016

**MA Committee, Finished**

Benallie, Larry	1989
Howard, Jerry	1990
Potter, James	1991
Brimhall, Douglas	1991
Frye, Lori	1992
Ruscavage, Samantha	1992
Theil, Homer	1992
Irwin, Don	1993
Ohnersorgen, Michael	1993
Ragins, Glen	1994
Herhahn, Cynthia	1995
Waters, Jenny	1995
Graves, Billy	1996
Rodriguez, Yasha	1997?
Fangmeier, Kristin	1998
Nelson, Leslie	1998
Loendorf, Chris	1999
Schachner, Greg	1999
Kent, Rob	2000
Leonard, Kathryn	2000
Nogue, Leslie	2001
Guyer, Erica	2001
John Czarzasty	2001
Ingram, Scott	2004
Kulow, Stephanie	2004
Lack, Andy	2004
Watts, Joshua	2005
Kruse, Melissa	2005
Peeples, Matthew	2006
Torvinen, Andrea	2009
Rudi Cesaretti	2016

**MA Committee Chair, Current****MA On Committee, Current****Honors Committee Chair, Finished**

Mapes, Sarah	2005
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**Honors Committee Reader, Finished**

Sugiyama, Nawa	2005
Wichlacz, Caitlin	2006
Steiner Kiggins, Cara	2007

**Honors Committee Chair, Current****Honors Committee Reader, Current**

**COURSES TAUGHT (SINCE 1996)**

<b>Semester</b>	<b>Course Number and Name</b>	<b>Credit</b>	<b>Enrolled</b>	<b>Evaluation<sup>1</sup></b>
F =96	ASB 335 Southwest Anthropology	3		1.66
F =96	ASB 497 Southwest Anthropology - Honors (w/ ASB 335)			
F =96	ASB 567 Southwest Archaeology	3		1.58
S >97	ASM 568 Intrasite Analysis in Archaeology	3	10	1.05
S >97	ASM 565 Quantitative and Formal Methods in Archaeology	3	10	1.25
F >97	ASB 222 Buried Cities and Lost Tribes (Buried Civilizations of the Americas)	3	117	1.74
F >97	ASB 591 Topics in Southwestern Archaeology: Chaco Canyon in the Prehistoric Southwest	3	6 (7)	1.01
S >98	ASM 565 Quantitative and Formal Methods in Archaeology	3	21	1.43
S >98	ASB 222 Buried Cities and Lost Tribes (Buried Civilizations of the Americas)	3	151	1.90
F >98	ASB 222 Buried Cities and Lost Tribes (Buried Civilizations of the Americas)	3	90	
S >99	ASM 565 Quantitative and Formal Methods in Archaeology	3	6	1.60
F >99	ASM 568 Intrasite Archaeology	3	12	1.05
S >00	ASB 223 Buried Civilizations of the Americas	3	42	1.87
F >00	ASB 223 Buried Civilizations of the Americas	3	43	1.81
S >01	ASM 566 Simulation, Modeling and Monte Carlo Methods in Archaeology	3	7	1.15
F >01	Sabbatical			
S >02	Sabbatical			
F >02	ASB 335 Prehistory of the Southwest	3	84	1.87
F >02	ASB 544 Settlement Patterns in Archaeology (w/ B. Stark)	3	12	1.43
S >03	ASB 565 Quantitative and Formal Methods in Archaeology	3	10	1.49
F >03	ASB 335 Prehistory of the Southwest	3	63	1.51
S =04	ASB 394/591 Legacies on the Landscape	3	8	1.02
S >04	ASB 568 Intrasite Analysis in Archaeology	3	7	1.08
F >04	ASB 394/591 Legacies on the Landscape	3	9	1.15
F >04	ASB 335 Prehistory of the Southwest	3	91	1.53
S =05	ASB 394/591 Legacies on the Landscape	3	12	1.05
S >05	ASB 565 Quantitative and Formal Methods in Archaeology	3	13	1.32
F >05	ASB 335 Prehistory of the Southwest	3	94	1.51
S >05	ASB 568 Intrasite Analysis in Archaeology	3	15	1.16
S >07	ASB 335 Prehistory of the Southwest	3	88	1.68
S =05	ASB 394/591 Legacies on the Landscape	1-3	14	
S >07	ASB 565 Quantitative and Formal Methods in Archaeology	3	14	1.31
S >08	ASB 565 Quantitative and Formal Methods in Archaeology	3	9	1.51
F =08	ASB 568 Intrasite Analysis in Archaeology	3	10	1.06
S >09	ASB 565 Quantitative and Formal Methods in Archaeology	3	9	2.23
S =10	ASB 335 Prehistory of the Southwest	3	88	1.51
S =10	ASM 565 Quantitative and Formal methods in Archaeology	3	10	1.85
S =11	ASB 566 Space in Archaeology (w/ Coudart)	3	9	1.17
F '11	Digital Humanities in the Context of Basic Humanities Research University College Dublin as a Fulbright Fellow.		2	
S' 12	SOS 591 Sustainability: The Long Term View	3	14	n/a
F' 12	ASM 565 Quantitative and Formal methods in Archaeology	3	9	1.6
S' 13	ASB 335 Prehistory of the Southwest (online)	3	122	2.5
F' 13	ASB 335 Prehistory of the Southwest (online)	3	86	1.7
S' 14	ASM 565 Quantitative and Formal methods in Archaeology	3	12	1.1

<sup>1</sup>Mean score on CLAS Standard Student Evaluation, on a 1 (best) to 5 (worst) scale

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F' 14	ASB 335 Prehistory of the Southwest	3	29	1.4
F' 15	ASM 565 Quantitative and Formal methods in Archaeology	3	6	1.38

**PROFESSIONAL SERVICE (EXTRAMURAL)*****National Science Foundation***

Invited Presentation to the Directorate of Social, Behavioral and Economic Sciences Advisory Committee 19 May 2011  
 Anthropology Program, Systematic Collections Review Panel, 1989-1991  
 Conference: Challenges and Opportunities for the Social, Behavioral, and Economic Sciences in Electronic Networks (produced a report to division of Social, Behavioral and Economic Sciences) 1993

***National Endowment for the Humanities***

Office of Digital Humanities, Panelist, June 2009  
 Archaeology and Anthropology Program, Panelist, November 2007

***Society for American Archaeology***

President, 1999-2001; President-elect, 1998-99 (national elected office)  
 Secretary, 1995-97; Secretary-Elect, 1994-95 (national elected office)  
 Executive Committee, 1985-1987 (national elected office)  
 Committee on Repatriation/Task Force on Reburial and Repatriation (Chair) 1989-1991; (Co-Chair) 1992-94; (member) 1991-1992, 1994-2001; (advisor) 2001-2009  
 Excellence in Archaeological Analysis Award Committee 2006-2010  
 SAA Representative to USIPP 2010-  
 Nominating Committee, 2003 (Chair), 1985-1987, 1996-97 (ex officio)  
 ROPA (Register of Professional Archaeologists) Task Force 1995-1997  
 Past Presidents Advisory Board (Chair 2001-2003) 2001-  
 Bylaws Committee 1995-1997 (ex officio)  
 Program Committee, 1987  
 Public Relations Committee, 1985-1987 (ex officio)  
 Save the Past for the Future Working Conference, Invited Participant, Breckenridge, Colorado. September 19-23, 1994.  
 Survey Project Oversight Subcommittee, 1996-1997, 1998-1999 (chair)

***Union Internationale des Sciences Préhistoriques et Protohistoriques, Commission 4: Data Management and Mathematical Methods in Archaeology (elected member)***

Vice President 1991-2001  
 Secretary, 1987-1991  
 Member, 1987-present

***Wenner Gren Foundation for Anthropological Research***

Review Panel 2006-2008

***SRI Foundation,***

Board of Directors, 2008-  
 Chair, Dissertation Grants in Historic Preservation Award Committee 2010-2013, (member) 2014

***Digital Antiquity***

Board of Directors 2009-

***Register of Professional Archaeologists***

Requirements Task Force (member) 2006

***Native Peoples Magazine***

Editorial Associate, 1988-2010

***Prehistory Press***

Editorial Advisory Board 1990-2006

***Southwest Symposium***

Executive Board, 1992-1995

***State of Arizona***

Arizona Corporation Commission Power Plant and Transmission Line Siting Committee (representative of the Director, Arizona State Museum) 1980-1984  
 Arizona Historic Sites Review Committee 1983-1984 (review nominations to the National Register of Historic Places)



AZSITE, Statewide Archaeological and Historical Site File, organizing committee 1995-  
 Governor's Task Force on Archaeology (Arizona) 1982-1984  
 Law Enforcement Subgroup 1982-1984  
 Governor's Task Force on Historic Preservation (Arizona), Technical Advisor 1982

### PROFESSIONAL ASSOCIATIONS

Arizona Archaeological and Historical Society  
 Arizona Archaeological Council  
 Computer Applications and Quantitative Methods in Archaeology  
 Society for American Archaeology  
 Union Internationale des Sciences Préhistoriques et Protohistoriques, Commission 4: Data  
 Management and Mathematical Methods in Archaeology (elected member)

### PROFESSIONAL CONSULTING

2007 Legacy Monitoring Data Review Panel: Report to the Grand Canyon Monitoring and  
 Research Center. By Keith Kintigh, Jeffrey Altschul, William D Lipe, and N. Scott  
 Urquhart.

2004 Program Review, Department of Anthropology, Washington State University.

2003 Program Review, Department of Anthropology, Michigan State University.

2003-05 Statistical Research, Inc. Peer Reviewer for New Mexico Pump III Project.

2002- Gila River Indian Community, Peer Reviewer for Pima-Maricopoa Irrigation Project.

2002-2005 Salt River Project, Peer Reviewer for Fence Lake Coal Mine Project

1994-2002 A:shiwí Awan Museum and Heritage Center, Pueblo of Zuni. Consultant for *Hawikku:  
 Echoes from our Past* exhibit.

1991-1992 Zuni Archaeology Program, Fence Lake Coal Mine Survey.

1990-1992 Museum of the American Indian Apache Collection Documentation Project.

1991-1993 Museum of the American Indian Navajo Textile Documentation Project.

1989-90 Zuni Archaeology Program Photographic Database. Funded by NEH.

1988-89 Museum of the American Indian Apache Collection Documentation Project. Funded by  
 NEH.

1986-87 Hendricks-Hodge Documentation Project. Museum of the American Indian, New York.  
 Assist in the development of a database of documentation associated with the Hendricks-  
 Hodge collection of archaeological materials from Hawikuh, New Mexico. Funded by  
 NEH.

1986-87 Photographic Archives Cataloging Project. Museum of the American Indian, New York.

1986 Center for Archaeological Studies, Department of Anthropology, University of California,  
 Santa Barbara. Develop a computer program to perform a Kolmogorov-Smirnoff two-  
 sample test.

1985 Arizona State Museum, University of Arizona, Tucson. Continue development of AZSITE,  
 Arizona's statewide database of archaeological sites.

1985 WESTEC Services, Inc., Cultural Resources Group, San Diego. Assessment of program  
 of subsurface testing for the identification and definition of archaeological sites.

1983 Black Mesa Archaeological Project, Center for Archaeological Investigations, Southern  
 Illinois University, Carbondale. Develop a Pascal version of Ward and Wilson's method of  
 assessing sets radiocarbon dates.

1974-75 Dean of Student Affairs Office, Stanford University. Develop an equitable method of  
 undergraduate housing allocation.

**ARCHAEOLOGICAL FIELD WORK**

- 2003-04 El Morro Valley Prehistory Project, Ramah, New Mexico. (Co-directed with Greg Schachner).  
Archaeological Excavation and Survey.
- 1998-99 El Morro Valley Survey, Ramah, New Mexico. (Co-directed with Deborah Huntley, 1998 and  
Gregson Schachner 1999).
- 1992-95 Upper Little Colorado Prehistory Project, Lyman Lake State Park, St. Johns, Arizona. (Co-  
Director with Andrew Duff)
- 1992-94 Ojo Bonito Archaeological Project (Director, Archaeological Survey and Excavation)
- 1987-88, Hinkson Ranch, Arizona and New Mexico. (Director)
- 1990-91 Heshotauthla Archaeological Research Project, Zuni, New Mexico. (Director)
- 1986 The Nasca Civilization of Ancient Peru. Director: Katharina J. Schreiber.
- 1985 Rise of the Nasca Civilization in Prehistoric Peru: An Archaeological Reconnaissance.  
Director: Katharina J. Schreiber.
- 1984 Astronomers of Ancient Peru, Cuzco, Peru. Directors: David Dearborn, Kathy Schreiber, Ray  
White.
- 1983 Archaeological Reconnaissance in the Upper Colorado River Drainage, Arizona and New  
Mexico. (Director)
- 1981 Investigaciones Arqueológicas en el Valle Carahuarazo, Lucanas, Ayacucho, Perú. Director:  
Katharina J. Schreiber.
- 1979 Zuni Archaeology Program, Zuni N.M. Tribal Archaeologist: T.J. Ferguson.
- 1976-77 Proyecto Arqueológico Jincamocco, Ayacucho, Perú. Director: Katharina J. Schreiber.
- 1977 Mission Archéologique Américaine au Maroc, Qsar es Seghir, Morocco. Director: Charles L.  
Redman.
- 1974-75 Mission Archéologique Américaine au Maroc, Qsar es Seghir, Morocco. Director: Charles L.  
Redman.
- 1974 Excavations at Monte Leone, Parma, Italy. Director: Albert J. Ammerman.
- 1973 Cibola Archaeological Research Project, Ramah, New Mexico. Directors: Patty Jo Watson,  
Steven LeBlanc, Charles L. Redman.