

CURRICULUM VITAE

Name: KATHY DIANE SCHICK

Present Positions:

Co-Director, Stone Age Institute
Professor, College of Arts and Sciences & Cognitive Science Program, Indiana University
Co-Director, *CRAFT* (Center for Research into the Anthropological Foundations of Technology),
Indiana University
Adjunct Professor, Department of Biology, Indiana University
Adjunct Professor, Department of Geological Sciences, Indiana University
Executive Board Member & Secretary/Treasurer, Stone Age Institute (research and education
non-profit)

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Education:

Ph.D. (1984). University of California, Berkeley. Anthropology: Old World Prehistory program.
M.A. (1980). University of California, Berkeley. Anthropology.
B.A. (1974). Kent State University, Kent Ohio. Anthropology.

Areas of Special Interest:

Old World prehistory, palaeoanthropology, evolution of technology, human adaptation, primate studies, archaeological site formation, geoarchaeology, taphonomy, zooarchaeology, hunter-gatherers, ethnoarchaeology, lithic technology, experimental archaeology, invention and technology, history of archaeology, Big History; Areas: Africa, Europe, Asia.

Special Training:

Course in Developing High-Tech Start-up Companies. Kelley School of Business, IUPUI
Indianapolis. Taught by Jack Gill and Scott Jones. 2007.
The Fundraising School (week-long course). Center on Philanthropy at IUPUI. 2007.
Scanning Electron Microscope Training, U.C. Berkeley.
Advanced Course, Scanning Electron Microscopy, Cambridge University, England, 1981. Royal
Microscopical Society.
Lithic Microwear Analysis, University of Illinois, Chicago, 1980.
Lithic Technology Fieldschool, Washington State University, 1978.

Academic and Professional Positions:

- 1986 to present. Faculty, College of Arts and Sciences, Indiana University, Bloomington.
- 1987 to present. Co-Director, *CRAFT* (Center for Research into the Anthropological Foundations of Technology), Indiana University.
- 2003 to present Co-Director, Stone Age Institute
- 2000 to present Executive Board Member & Secretary/Treasurer, Stone Age Institute & Friends of *CRAFT*, Inc., non-profit research organization
- 1985 University of Capetown. Visiting Professor.
- 1986 Visiting Professor, Anthropology Department, U.C. Berkeley. Old World Lithics Laboratory.
- 1985 Visiting Professor, Anthropology Department, U.C. Berkeley.
- 1985 Visiting Professor, Archaeology Department, University of Cape Town, Cape Town, South Africa.

Books:

- In preparation *The Archaeology, Palaeontology, and Geology of the Nihewan Basin, Hebei Province, China*. Stone Age Institute Press. Nicholas Toth, Kathy Schick, Gao Xing, Wei Qi, and Xie Fei, Eds. Stone Age Institute Publication Series Number 6. Gosport, Indiana: Stone Age Institute Press.
- In preparation *Torralba: an Acheulean Site on the Spanish Meseta*. L.G. Freeman and F. Clark Howell, Eds., Nicholas Toth and Kathy Schick, Series Eds. Stone Age Institute Publication Series, Number 5. Gosport, Indiana: Stone Age Institute Press.
- 2010 *The Human Brain Evolving: Papers in Honor of Ralph L. Holloway*. Douglas Broadfield, Michael Yuan, Kathy Schick, and Nicholas Toth, Eds. Gosport, Indiana: Stone Age Institute Press. 312 pp.
- 2009 *The Cutting Edge: New Approaches to the Archaeology of Human Origins*. Kathy Schick and Nicholas Toth, Eds. Gosport, Indiana: Stone Age Institute Press. 344 pp.
- 2007 *Breathing Life into Fossils: Taphonomic Studies in Honor of C.K. "Bob" Brain*. Travis Pickering, Kathy Schick, and Nicholas Toth, Eds. Gosport, Indiana: Stone Age Institute Press. 296 pp.
- 2006 *The Oldowan: Case Studies into the Earliest Stone Age*. Nicholas Toth and Kathy Schick, Eds. Gosport, Indiana: Stone Age Institute Press. 338 pp.
- 2000 *The Acheulean and the Plio-Pleistocene Deposits of the Middle Awash Valley, Ethiopia*. Jean de Heinzelin, J. Desmond Clark, Kathy Schick, and W. Henry Gilbert, Eds. Tervuren, Belgium: Musée Royale de l'Afrique Centrale, Annales – Sciences Géologiques. Volume 104.
- 1993 *Making Silent Stones Speak: Human evolution and the dawn of technology*. Kathy Schick and Nicholas Toth. New York: Simon & Schuster. 352 pp.
- 1986 *Stone Age Sites in the Making: Experiments in the Formation and Transformation of Archaeological Occurrences*. By Kathy Schick. Oxford: BAR International Series, 319. 313 pp.

Science Education Web Sites:

- 2017 “*Human Cognitive Evolution.*” Web site in development, funded by a grant from the John Templeton Foundation and a grant from the Stone Age Institute.
- 2011 “*From the Big Bang to the World Wide Web: The Origins of Everything.*” www.fromthebigbang.org Over 120 web pages on the history of the universe, earth, life and the human species, with 50,000 words of text and hundreds of graphics. By Kathy Schick and Nicholas Toth.

Articles and Chapters:

- In preparation Njau, J.K., Stanistreet, I.G., Stollhofen, H, Schick, K., Toth, N., Deino, A., McHenry, L.J., Kai, L., Hanafy, S., Schuster, G. Coring and seismic surveys shed new light on hominin evolutionary framework at Olduvai Basin, Tanzania. For submission to *Science*.
- In press “African Origins.” In *The Human Past*, Scarre, C., Sapwell, M., and Smith, L. (Eds.). London: Thames and Hudson. By Nicholas Toth and Kathy Schick.
- In press “Big History and the Major Stages of Human Evolution. In (B. Rodrigue, L. Grinin, and A. Korotayev, Eds.), *From Big Bang to Galactic Civilizations: A Big History Anthology. Volume 3*. Delhi: Primus Press. By Kathy Schick and Nicholas Toth.
- In press “Acheulean Industries of the Lower and Middle Pleistocene, Middle Awash, Ethiopia. In (H. de Lumley, Ed.), *Proceedings, Colloque International: Les Cultures à Bifaces du Pléistocène Inférieur et Moyen Dans le Monde. Émergence du Sens de l’Harmonie*. Tautavel, France: Centre Européen de Recherches Préhistoriques de Tautavel, France. By Kathy Schick and Nicholas Toth.
- In press “Why the Acheulean? Experimental Studies in the Manufacture and function of Acheulean tools.” In (H. de Lumley, Ed.), *Proceedings, Colloque International: Les Cultures à Bifaces du Pléistocène Inférieur et Moyen Dans le Monde. Émergence du Sens de l’Harmonie*. Tautavel, France: Centre Européen de Recherches Préhistoriques de Tautavel, France. By Nicholas Toth and Kathy Schick.
- 2016 Johnson, C.C., Njau, J.K., Van Damme, D., Schick, K., Toth, N. Paleoeologic significance of freshwater bivalves, Bed III, Olduvai Gorge, Tanzania. *Palaios* 31, 319-326. <http://dx.doi.org/10.2110/palo.2016.001>
- 2015 “Overview of Paleolithic Archeology.” In (W. Henke and I. Tattersall, Eds.): *Handbook of Paleoanthropology: Volume 3, Phylogeny of Hominids, Second Edition*. New York: Springer. By Nicholas Toth and Kathy Schick. Pp. 2441-2464.
- 2015 “Evolution of tool use.” By Nicholas Toth and Kathy Schick. In (Muehlenbein, M.P., Ed.), *Basics in Human Evolution*. London: Academic Press. Pp. 193-208.
- 2015 “The Olduvai Geological Coring Project (OGCP): Providing a new paleoenvironmental context for human evolution at Olduvai Gorge, Tanzania.” N. Toth, K. Schick, J.K. Njau, and I.

- Stanistreet. Paleoanthropology Society Meeting Abstracts, San Francisco, April 2015, *PaleoAnthropology* 2015.
- 2015 “The Preferential Collection and Use of Ochre Pigments and Iron Ores at Twin Rivers Kopje, Zambia. A.M. Zipkin, A.S. Brooks, J.M Hanchar, K. Schick, and N.P. Toth. In Symposium, “Chert Sourcing, Case Studies Part II. Landscape Distribution and Prehistoric Societies.” Society for American Archaeology Abstracts, San Francisco, April 2015.
- 2014 “A reconsideration of the ochre artifact assemblage from J.D. Clark’s excavation of Twin Rivers Kopje, Zambia.” A.M. Zipkin, A.S. Brooks, N.P. Toth, and K.D. Schick. Paleoanthropology Society Meeting Abstracts, Calgary, April 2014. *PaleoAnthropology* 2014: A30-A31.
- 2014 “Cognitive Patterns During Early Stone Age Tool Manufacture and Rejuvenation.” *In* Searching for Traces of the Hominin Mind: Evolutionary Cognitive Archaeology and Theoretical Constructs of Cognition. American Anthropological Association Annual Meeting, Washington, D.C., 2014. Abstracts.
- 2013 “African Origins.” *In* (C. Scarre, Ed.), *The Human Past: World Prehistory and the Development of Human Societies*, Third Edition. By Nicholas Toth and Kathy Schick. Pp. 46-83.
- 2013 “Early Stone Age Technological Patterns in African and East Asia.” *In* You and What Army? Papers in Honor of Lawrence H. Keeley. American Anthropological Association Annual Meeting, Chicago, 2013. Abstracts.
- 2012 “The Origins and Evolution of Technology.” *In* (D. Begun, Ed.), *A Companion to Paleoanthropology*. New York: Wiley-Liss. By Kathy Schick and Nicholas Toth. Pp. 265-289.
- 2011 “Factors Affecting Variability in Early Stone Age Lithic Assemblages: Personal Observations from Actualistic Studies.” *In* (J. Sept and D. Pilbeam, Eds.), *Casting the Net Wide: Papers in Honor of Glynn Isaac and His Approach to Human Origins Research*. Oxford: Oxbow Books. Pp. 53-74. By Nicholas Toth and Kathy Schick.
- 2010 “Hominin Brain Reorganization, Technological Change, and Cognitive Complexity.” *In* (D. Broadfield, M. Yuan, K. Schick, and N. Toth, Eds), *The Human Brain Evolving: Papers in Honor of Ralph L. Holloway*. Gosport, Indiana: Stone Age Institute Press. Pp. 293-312. By Nicholas Toth and Kathy Schick.
- 2009 “The Importance of Actualistic Studies in Early Stone Age Research.” *In* (K. Schick and N. Toth, Eds.), *The Cutting Edge: New Approaches to the Archaeology of Human Origins*. Gosport, Indiana: Stone Age Institute Press. Pp. 267-344. By Nicholas Toth and Kathy Schick.
- 2009 “The Oldowan: The Tool Making of Early Hominins and Chimpanzees Compared.” *Annual Review of Anthropology* **38**:289-305. By Nicholas Toth and Kathy Schick.
- 2009 “The evolution and cultural transmission of percussive technology: Integrating evidence from palaeoanthropology and primatology.” *Journal of Human Evolution* **57**:420-435. By Andrew Whiten, Kathy Schick, and Nicholas Toth.

- 2009 “Neural correlates of Early Stone Age toolmaking: technology, language and cognition in human evolution.” In (C. Renfrew, C. Frith, and L Malafouris, Eds.), *The Sapient Mind: Archaeology Meets Neuroscience*. Pp. 1-19. By Dietrich Stout, Nicholas Toth, Kathy Schick, and Thierry Chaminade.
- 2009 “Early hominids.” In (B. Cunliffe, C. Gosden, and R.A. Joyce, Eds.): *The Oxford Handbook of Archaeology*. Oxford: Oxford University Press. Pp. 254-289. By Nicholas Toth and Kathy Schick.
- 2009 “African Origins.” In (C. Scarre, Ed.), *The Human Past: World Prehistory and the Development of Human Societies*, Second Edition. London: Thames & Hudson. Pp. 46-83. By Nicholas Toth and Kathy Schick.
- 2009 “The ‘Little Bang’: The Origins and Adaptive Significance of Human Stone Toolmaking.” In (C. Genet, R. Genet, B. Swimme, L. Palmer, and L. Gibler, Eds.), *The Evolutionary Epic: Science’s Story and Humanity’s Response*. Santa Margarita, California: The Collins Foundation Press. Pp. 39-60.
- 2008 “Neural correlates of Early Stone Age toolmaking: technology, language and cognition in human evolution.” *Philosophical Transactions of the Royal Society of London B*: 1-11. By Dietrich Stout, Nicholas Toth, Kathy Schick, and Thierry Chaminade.
- 2007 “Overview of Paleolithic Archeology.” In (W. Henke and I. Tattersall, Eds.): *Handbook of Paleoanthropology: Volume 3, Phylogeny of Hominids*. New York: Springer. Pp. 1943-1963. By Nicholas Toth and Kathy Schick.
- 2007 “A Taphonomic Analysis of an Excavated Striped Hyena Den from the Eastern Desert of Jordan.” In (Travis Pickering, Kathy Schick, and Nicholas Toth, Eds.): *Breathing Life into Fossils: Taphonomic Studies in Honor of C.K. “Bob” Brain*. Gosport, Indiana: Stone Age Institute Press. Pp. 75-106. By Kathy Schick, Nicholas Toth, Thomas Gehling, and Travis Pickering.
- 2007 “Kanzi Learns to Knap Stone Tools.” In (David Washburn, Ed.): *Primate Perspectives on Behavior and Cognition*. Washington, D.C.: American Psychological Association. Pp. 279-291. By Sue Savage-Rumbaugh, Nicholas Toth, and Kathy Schick.
- 2006 “An Overview of the Oldowan Industrial Complex: The Sites and the Nature of Their Evidence.” In (Nicholas Toth and Kathy Schick, Eds.): *The Oldowan: Case Studies into the Earliest Stone Age*. Gosport, Indiana: Stone Age Institute Press. Pp. 3-42. By Kathy Schick and Nicholas Toth.
- 2006 “A Comparative Study of the Stone Tool-Making Skills of *Pan*, *Australopithecus*, and *Homo sapiens*.” In (Nicholas Toth and Kathy Schick, Eds.), *The Oldowan: Case Studies into the Earliest Stone Age*. Gosport, Indiana: Stone Age Institute Press. Pp. 155-222. By Nicholas Toth, Kathy Schick, and Sileshi Semaw.
- 2006 “Comparing the Neural Foundations of Oldowan and Acheulean Toolmaking: A Pilot Study Using Positron Emission Tomography (PET).” In (Nicholas Toth and Kathy Schick, Eds.), *The Oldowan: Case Studies into the Earliest Stone Age*. Gosport, Indiana: Stone Age Institute Press. Pp. 321-331. By Dietrich Stout, Nicholas Toth, and Kathy Schick.

- 2005 "African Origins." In (C. Scarre, Ed.), *The Human Past: World Prehistory and the Development of Human Societies*. London: Thames and Hudson. Pp. 46-83. By Nicholas Toth and Kathy Schick.
- 2004 "Stone tool origins." In *McGraw-Hill Yearbook of Science & Technology 2004*. New York: McGraw-Hill. P. 339-342. By Nicholas Toth and Kathy Schick.
- 2004 "C.K. 'Bob' Brain and African Taphonomy." *Evolutionary Anthropology* 13:163-167. By T. Pickering, K. Schick, and N. Toth.
- 2003 "Biface Technological Development and Variability in the Acheulean Industrial Complex in the Middle Awash Region of the Afar Rift, Ethiopia." In (M. Soressi and H. Dibble, Eds.), *From Prehistoric Bifaces to Human Behavior: Multiple Approaches to the study of Bifacial Technologies*. Philadelphia: University of Pennsylvania Museum Press. Pp. 1-30. By Kathy Schick and J. Desmond Clark.
- 2003 "The Origins of the Genie: Human Technology in an Evolutionary Context." In (A. Lightman, D. Sarewitz, and C. Desser, Eds.), *Living with the Genie: Essays on Technology and the Quest for Human Mastery*. Washington: Island Press. Pp. 23-34. By Kathy Schick and Nicholas Toth.
- 2003 "Desmond Clark: 1916-2002." *American Anthropologist* **105**(3): 679-682. By Nicholas Toth and Kathy Schick.
- 2002 "J. Desmond Clark: An Introduction." *J. Desmond Clark, An Archaeologist's Work in African Prehistory and Early Human Studies: Teamwork and Insight*. Berkeley: University of California. Pp. iv-viii. By Kathy Schick and Nicholas Toth.
- 2002 "A Technological Comparison of the Stone Tool-Making Capabilities of *Australopithecus*/early *Homo*, *Pan paniscus*, and *Homo sapiens*, and possible evolutionary implications." *Journal of Human Evolution* (Abstract) **42**(3):A36. By Nicholas Toth, Kathy Schick, and Sileshi Semaw.
- 2002 "Recent Discoveries from Gona, Afar, Ethiopia." *Journal of Human Evolution* (Abstract) **42**(3):A33. By Sileshi Semaw, Kathy Schick, Nicholas Toth, Scott Simpson, Jay Quade, Michael Rogers, Paul Renne, Dietrich Stout, and Manuel Dominguez-Rodrigo.
- 2001 "Paleoanthropology at the Millenium." In (T.D. Price and G. Feinman, Eds.): *Archaeology at the Millenium*. New York: Kluewer Academic/Plenum Publishers. Pp. 39-108. By Kathy Schick and Nicholas Toth.
- 2001 "An examination of Kalambo Falls Acheulean Site (B5) from a Geoarchaeological Perspective." In (J.D. Clark, Ed.): *Kalambo Falls Prehistoric Site, Volume 3*. Cambridge: Cambridge University Press. Pp. 463-480. By Kathy Schick.
- 2001 "Further 2.5-2.6 million year old artifacts, new Plio-Pleistocene archaeological sites and hominid discoveries of 1999 from Gona, Ethiopia." *Journal of Human Evolution* **40**: A20. By S. Semaw, K. Schick, N. Toth, M.J. Rogers, J. Quade, S.W. Simpson, and M. Dominguez-Rodrigo.

- 2001 "Early Pliocene Hominid Remains from Gona, Ethiopia." *Journal of Human Evolution* **40**: A21-A22. By S.W. Simpson, S. Semaw, K. Schick, N. Toth, J. Quade, M. Dominguez-Rodrigo, and M.J. Rogers.
- 2001 "Plio-Pleistocene Environments of Gona, Ethiopia: The isotopic record of pedogenic carbonate and fossil teeth." GSA Annual Meeting, November 5-8, 2001. By N. Levin, J. Quade, S. Semaw, S.W. Simpson, K. Schick, and N. Toth.
- 2000 "Archaeology of the Eastern Middle Awash." In (J. de Heinzelin, J.D. Clark, K. Schick, and W.H. Gilbert, Eds): *The Acheulean and the Plio-Pleistocene Deposits of the Middle Awash Valley, Ethiopia*. Tervuren, Belgium: Musée Royale de l'Afrique Centrale. Pp. 51-121. By J. Desmond Clark and Kathy Schick.
- 2000 "Archaeology of the Western Middle Awash." In (J. de Heinzelin, J.D. Clark, K. Schick, and W.H. Gilbert, Eds): *The Acheulean and the Plio-Pleistocene Deposits of the Middle Awash Valley, Ethiopia*. Tervuren, Belgium: Musée Royale de l'Afrique Centrale. Pp. 123-181. By Kathy Schick and J. Desmond Clark.
- 2000 "Overview and Conclusion on the Middle Awash Acheulean." In (J. de Heinzelin, J.D. Clark, K. Schick, and W.H. Gilbert, Eds): *The Acheulean and the Plio-Pleistocene Deposits of the Middle Awash Valley, Ethiopia*. Tervuren, Belgium: Musée Royale de l'Afrique Centrale. Pp. 193-202. By J. Desmond Clark and Kathy Schick.
- 2000 "Stone Tool-Making and Brain Activation: Positron Emission Tomography (PET) Studies." *Journal of Archaeological Science* **27**:1215-1223. By Dietrich Stout, Nicholas Toth, Kathy Schick, Julie Stout, and Gary Hutchins.
- 2000 "Origin and development of tool-making behavior in Africa and Asia." *Human Evolution* **15**:151-158. By Kathy Schick and Nicholas Toth.
- 2000 Contributions to the *Encyclopedia of Human Evolution and Prehistory, 2nd edition*. Articles on: Ain Hanech, North Africa, Paleolithic Archaeology, Baton de Commandement, Biface, Bipolar Technique, Blade, Awl, Bone Tools, Bow and Arrow, Burin, Cleaver, Clothing, Core, Dawaitoli, Early Paleolithic, Early Stone Age, Eoliths, Fire, Flake, Flake Blade, Handaxe, Harpoon, Lithic Use-Wear, Levallois, Paleolithic Lifeways, Pick, Prepared-Core, Raw Materials, Retouch, Sagaie, St. Acheul, Scraper, Sidi Abderrahman, Spear, Split-base bone point, Stone Tool-Making, Wonderwerk. New York: Garland Publishing. By Nicholas Toth and Kathy Schick.
- 1999 "The Lithic Industry: The Archaeological Evidence for the Human Capacity for Culture." In (D. Johanson and G. Ligabue, Eds.), *Ecce Homo: Writings in honour of Third-Millennium Man*. Venice: Casa Editrice Electra. By Nicholas Toth and Kathy Schick.
- 1999 "Continuing Investigations into the Stone Tool-Making Capabilities of a Bonobo (*Pan paniscus*)." *Journal of Archaeological Science* **26**:821-832. By Kathy Schick, Nicholas Toth, Gary Garufi, Sue Savage-Rumbaugh, Rose Sevcik, and Duane Rumbaugh.
- 1998 "A Comparative Perspective on Palaeolithic Cultural Patterns." In (T. Adazawa, K. Aoki, and O. Bar-Yosef, Eds.): *Neanderthals and Modern Humans in Western Asia*. New York: Plenum Press. Pp. 449-460. By Kathy D. Schick.

- 1998 "EMG Study of Hand Muscle Recruitment During Hard-Hammer Percussion Manufacture of Oldowan Tools." *American Journal of Physical Anthropology* **105**:315-332. By M.W. Marzke, N. Toth, K. Schick, S. Reece, B. Steinburg, K. Hunt, R.C. Linscheid, and K'N An.
- 1997 "An Experimental Investigation into the Nature of Limestone 'Spheroids' in the Early Palaeolithic: An Experimental Investigation." *Journal of Archaeological Science* **24**:701-713. By Mohamed Sahnouni, Kathy Schick, and Nicholas Toth.
- 1997 "Determining Stone Tool Use: Chemical and Morphological Analyses of Residues on Experimentally Manufactured Stone Tools." *Journal of Archaeological Science* **24**: 245-250. By A.H. Jahren, N. Toth, K. Schick, J.D. Clark, and R.G. Amundson.
- 1997 "Experimental Studies of Site Formation Processes." In (G. Isaac and B. Isaac, Eds.), *Koobi Fora Research Project, Vol. 5: Plio-Pleistocene Archaeology*. Oxford: Clarendon Press. Pp. 244-256. By Kathy D. Schick.
- 1997 "Applications of the Observations and Experiments to the Koobi Fora Cases. In Chapter 5, "Site Formation Processes" in *Koobi Fora Research Project, Vol. 5: Plio-Pleistocene Archaeology*, ed. by Glynn Ll. Isaac, assisted by Barbara Isaac. Oxford: Clarendon Press. Pp. 256-261. By Glynn Ll. Isaac, John W.K. Harris, Zefe M. Kaufulu, and Kathy Schick.
- 1997 Articles, (B. Fagan, Ed.): *Oxford Companion to Archaeology*. "Louis and Mary Leakey," "The Archaeology of Human Origins," "Primitive Technology". New York: Oxford University Press. By Nicholas Toth and Kathy Schick.
- 1997 "Stone Age Tools." *Dragonfly* 2(2): 8-11. National Science Teachers Association.
- 1997 Sidescraping, endscraping and the hominid hand. *Journal of Human Evolution* **32**: A17. By S. Reece, B. Steinberg, M.W. Marzke, N. Toth, K. Schick, K. Hunt, R.L. Linscheid, K.N. An.
- 1996 "Paleoindian Cave Dwellers in the Amazon: The Peopling of the Americas." *Science*: 272:373-384. By A.C. Roosevelt, M. Lima da Costa, C. Lopes Machado, M. Michab, N. Mercier, H. Valladas, J. Feathers, W. Barnett, M. Imazio da Silveira, A. Henderson, J. Sliva, B. Chernoff, D.S. Reese, J.A. Holman, N. Toth, K. Schick.
- 1996 "African Prehistory and Human Evolution." In *Egypt in Africa*, edited by Theodore Celenko. Indianapolis: Indianapolis Museum of Art in cooperation with Indiana University Press. Pp. 20-22. By Kathy Schick and Nicholas Toth.
- 1995 "Prehistoric Africa." In *Africa, 3rd Edition*, edited by Phyllis M. Martin and Patrick O'Meara. Bloomington, Indiana: Indiana University Press. Pp. 49-72. By Kathy Schick.
- 1994 "African *Homo erectus*: Old Radiometric Ages and Young Oldowan Assemblages in the Middle Awash Valley, Ethiopia." *Science* 264:1904-1910. By J.D. Clark, J. de Heinzelin, K.D. Schick, W.K. Hart, T.D. White, G. Woldegabriel, R.C. Walter, G. Suwa, B. Asfaw, E. Vrba, and Y. H.-Selassie.
- 1994 "Study of Refitting of Stone Artifacts at Cenjiawan Site in 1986." *Journal of Chinese Antiquity* **3**:86-102. By Xie Fei, Kathy Schick, Nicholas Toth and J.Desmond Clark.

- 1994 "The Movius Line Reconsidered: Perspectives on the Earlier Palaeolithic of Eastern Asia." In (R. Corruccini and R. Ciochon, Eds.), *Integrative Paths to the Past: Palaeoanthropological Advances in Honor of F. Clark Howell*. Englewood Cliffs, New Jersey: Prentice-Hall. Pp. 569-596. By Kathy Schick.
- 1994 "Early Stone Age Technology in Africa: A Review and a Case Study into the Nature and Function of Spheroids and Subspheroids." In R. Coruccini and R. Ciochon (Eds.): *Integrative Paths to the Past: Palaeoanthropological Advances in Honor of F. Clark Howell*. Englewood Cliffs, New Jersey: Prentice-Hall. Pp. 429-449. By K. Schick and N. Toth.
- 1993 "The Early Palaeolithic of China and Eastern Asia." *Journal of Evolutionary Anthropology* 2:22-35. By Kathy Schick and Zhuan Dong.
- 1993 "ESR Dating Tooth Enamel from the Paleolithic Site at Longola, Zambia." *Applied Radiation and Isotopes* 44:253-260. By B.A. Blackwell, H.P. Schwarcz, K. Schick, and N. Toth.
- 1993 "Pan the Tool-Maker: Investigations into the Stone Tool-Making and Tool-Using Capabilities of a Bonobo (*Pan paniscus*)." *Journal of Archaeological Science* 20:81-91. By N. Toth, K. D. Schick, E.S. Savage-Rumbaugh, R.A. Sevcik, and D.M. Rumbaugh.
- 1993 "Early Stone Industries and Inferences Regarding Language and Cognition." In (K. Gibson and T. Ingold, Eds.): *Tools, Language and Cognition*. Cambridge: Cambridge University Press. Pp. 346-362. By Nicholas Toth and Kathy Schick.
- 1992 "Geoarchaeological Analysis of an Acheulean Site at Kalambo Falls, Zambia." *Geoarchaeology* 7:1-26. By Kathy Schick.
- 1991 "Archaeological Perspectives in the Nihewan Basin, China." *Journal of Human Evolution* 21:13-26. By K. Schick, N. Toth, Q. Wei, J.D. Clark, & D.E. Etler.
- 1991 "On Making Behavioral Inferences from Early Archaeological Sites." In *Cultural Beginnings: Approaches to Understanding Early Hominid Life-ways in the African Savanna*. Bonn: Dr. Rudolf Habelt GMBH, Monographien, Bandd 19. Pp. 79-107. By Kathy Schick.
- 1991 "Experimental Archaeology: Journeying into Prehistory." *Ligabue Magazine* 19:64-83. By Nicholas Toth and Kathy Schick.
- 1989 *Processes of Palaeolithic Site Formation: an experimental study*. University Microfilms. By Kathy D. Schick.
- 1989 "An Early Paleontological Assemblage as an Archaeological Test Case." In (R. Bonnichsen and M. Sorg, Eds.): *Bone Modification*. Orono, Maine: Center for the Study of the First Americans. Pp. 121-137. By K.D. Schick, N. Toth and T. Daeschler.
- 1988 "Context and Content: impressions of Palaeolithic sites and assemblages in the People's Republic of China." *Journal of Human Evolution* 17:439-448. By J. Desmond Clark and Kathy Schick.

- 1987 “Modeling the Formation of Early Stone Age Artifact Concentrations.” *Journal of Human Evolution* **16**:789-807. By Kathy Schick.
- 1987 “Experimentally Derived Criteria for Assessing Hydrologic disturbance of Archaeological Sites.” In (D.T. Nash and M.D. Petraglia, Eds.): *Natural Formation Processes and the Archaeological Record*. BAR International Series 352. Pp. 86-107. By Kathy Schick.
- 1986 The First Million Years: The Archaeology of Proto-Human Culture. In (M. Schiffer, Ed.): *Advances in Archaeological Method and Theory, Volume 9*. New York: Academic Press. Pp.1-96. By N. Toth and K.D. Schick.
- 1983 “The Cutting Edge: An Elephant Butchery with Stone Tools.” *Interim Evidence* 5(1). Pp. 8-10. By Nicholas Toth and Kathy Schick.
- 1980 “FxJj 50: an early Pleistocene site in Northern Kenya.” *World Archaeology* 12(2). Pp. 109-136. By H. Bunn, J.W.K. Harris, G. Isaac, Z. Kaufulu, E. Kroll, K.D. Schick, N. Toth, and A.K. Behrensmeyer.

Conference Abstracts, Olduvai Gorge Coring Project

- 2016 McHenry, L.J., Njau, J.K., Stanistreet, I.G., Stollhofen, H., Deino, A.L., Schick, K., Toth, N.A tuff job: linking cores to outcrop using tephrostratigraphy at Pleistocene Olduvai Gorge, Tanzania. Geological Society of America (GSA).
- 2016 Stanistreet, I.G., Njau, J.K., Schick, K., Toth, N., Stollhofen, H., McHenry, L.J., Deino, A.L. Correlating known hominin sites and paleolandscapes to the OGCP cores, Olduvai Gorge, Tanzania. Geological Society of America (GSA).
- 2016 Brassell, S.C., Colcord, D.E., Shilling, A.M., Freeman, K.H., Njau, J.K., Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Biogeochemical proxies of climatic and environmental change from the sedimentary record of Paleolake Olduvai (~1.80 - 1.88Ma). American Geophysical Union (AGU).
- 2016 Colcord, D.E., Shilling, A.M., Freeman, K.H., Njau, J.K., Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. Organic geochemical proxies of climatic and environmental change from the sedimentary record of Olduvai Gorge (~1.85 - 1.88Ma). Geological Society of America (GSA).
- 2016 Shilling, A.M., Colcord, D.E., Freeman, K.H., Njau, J.K., Stanistreet, I.G., Stollhofen, H., Schick, K.D., Toth, N., Brassell, S.C. Sedimentary biomarkers record environmental changes associated with shallowing of Lake Olduvai (ca. 1.8 Myr). Geological Society of America (GSA).
- 2015 Njau, J.K., Stanistreet, I., McHenry, L.J., Stollhofen, H., Schick, K., Toth, N. New investigations on hominin paleolandscapes, paleoenvironments and paleoclimates through scientific drilling at Olduvai Gorge, Tanzania. Geological Society of America (GSA) Annual Meeting, Session 171, Baltimore, MD.

- 2015 McHenry, L.J., Njau, J.K., Torre, I., Pante, M. Detailed stratigraphic correlations across the Pleistocene Olduvai basin, northern Tanzania, at the Oldowan-Acheulean technological transition. Geological Society of America (GSA) Annual Meeting, Session 171, Baltimore, MD.
- 2015 Johnson, C.C, Njau, J.K., Van Damme, D., Schick, K., Toth, N. Paleoecology of fossil molluscan bivalves, Bed III, Olduvai Gorge, Tanzania. Geological Society of America (GSA) Annual Meeting, Session 171, Baltimore, MD.
- 2015 Freeman, K.H., Doman, C., Colcord, D., Brassell, S.C., Njau, J.K., Stanistreet, I., Schick, K., Toth, N. Biomarker signatures of fire and grassland-forest transitions associated with hominins at Olduvai Gorge, Tanzania. Geological Society of America (GSA) Annual Meeting, Baltimore, MD.
- 2015 Toth, N., Schick, K., Njau, J.K., Stanistreet, I. The Olduvai Geological Coring Project: Providing a new paleoenvironmental context for human evolution at Olduvai Gorge, Tanzania. Paleoanthropology Society, San Francisco, CA.
- 2014 Johnson, C.C., Njau, J.K., Kauffman, C.E., Kauffman, E., Toth, N., Schick, K. and Kearney, J. Bivalve mollusc assemblage of Bed III, Olduvai Gorge, Tanzania. 10th North American Paleontology Convention, Abstract Book, p. 35.

Grants and Fund-raising:

- 2016 Grant from Charles Kaman Foundation. For research at Olduvai Gorge, Tanzania. \$100,000.
- 2016 Grant from C. and M. Cook. \$100,000.
- 2016 Grant from the Fred Maytag Family Foundation. \$100,000.
- 2015 The John Templeton Foundation grant, “*What Drives Human Cognitive Evolution?*” Awarded to the Stone Age Institute, grant for \$3.18 million dollars, in conjunction with the Cognitive Science Program, Indiana University. Project Leaders: Nicholas Toth, Kathy Schick, Peter Todd, P. Thomas Schoenemann, and Colin Allen
- 2015 Grant from C. and M. Cook. \$100,000.
- 2015 Grant from the Fred Maytag Family Foundation. \$60,000.
- 2014 Grant from Charles Kaman Foundation. For research at Olduvai Gorge, Tanzania. \$100,000.
- 2014 Grant from C. and M. Cook. \$100,000.
- 2014 Grant from the Fred Maytag Family Foundation. \$60,000.

- 2013 Grant to Stone Age Institute from the Ann and Gordon Getty Foundation. \$1,000,000.
- 2013 Grant from Charles Kaman Foundation. For research at Olduvai Gorge, Tanzania. \$200,000.
- 2013 Grant from the Fred Maytag Family Foundation. For research at Olduvai Gorge, Tanzania. \$60,000.
- 2013 Grant from C. and M. Cook. \$100,000
- 2012 Grant from Charles Kaman Foundation. For research at Olduvai Gorge, Tanzania, and conference on Chinese archaeology at the Stone Age Institute. \$100,000.
- 2012 Grant from C. and M. Cook. \$100,000.
- 2012 Grant from the George and Camilla Smith Family Foundation. \$10,000.
- 2012 Grant from the Ann and Gordon Getty Foundation. \$522,515.20
- 2011 Grant from Charles Kaman Foundation. For research in China and Tanzania. \$100,000.
- 2011 Grant from the Fred Maytag Family Foundation. \$50,000.
- 2008-2011 Fund-raising for the Stone Age Institute endowment. Raised over \$1 million, including a matching grant.
- 2000-2006 Fund-raising for construction, furnishing, and endowment of Stone Age Institute, a non-profit research institute whose mission involves research and education into human technological origins and development. Total amount raised: \$8 million.
- 2002-2003 Department of Health and Human Services, National Institute of Child Health and Human Development. Investigations into Ape Stone Tool-Making Capabilities. Nicholas Toth and Kathy Schick, co-PI's. Amount of award: \$30,667.
- 2001-2003 National Science Foundation. Gona Paleoanthropological Research Project. Amount of Award: \$100,000. Nicholas Toth and Kathy Schick, Co-PI's with PI, Sileshi Semaw.
- 2001-2002 Department of Health and Human Services, National Institute of Child Health and Human Development. Investigations into Ape Stone Tool-Making Capabilities. Nicholas Toth and Kathy Schick, co-PI's. Amount of award: \$28,908.

- 2000-2001 Department of Health and Human Services, National Institute of Child Health and Human Development. Investigations into Ape Stone Tool-Making Capabilities. Nicholas Toth and Kathy Schick, co-PI's. Amount of award: \$29,775.
- 2000 Wenner-Gren Foundation for Anthropological Research. "Gona Palaeoanthropological Research Project, Afar, Ethiopia." Grant awarded: \$19,000. Sileshi Semaw, Principal Investigator, Kathy Schick and Nicholas Toth Co-Principal Investigators.
- 1999-2000 National Science Foundation. "Exploratory Palaeoanthropological Research and Survey into the Plio-Pleistocene Deposits of the Gona Palaeoanthropological Research Project Area, Afar, Ethiopia." Grant awarded: \$127,780. Sileshi Semaw, P.I., Kathy Schick and Nicholas Toth Co-PI's.
- 1999 Wenner-Gren Foundation for Anthropological Research. "Exploratory Palaeoanthropological Research in the Gona deposits, Afar, Ethiopia." Grant awarded: \$19,000. Sileshi Semaw, P.I., Kathy Schick and Nicholas Toth Co-PI's.
- 1995-1997 National Science Foundation Grant of \$69,980 for archaeological research in the Nihewan Basin, China: "Early Palaeolithic Archaeological Investigations in the Nihewan Basin, Northern China." Project Directors: Kathy Schick and Nicholas Toth.
- 1994 L.S.B. Leakey Foundation. Grant of \$4500 for bursaries to subsidize travel of African students to attend and participate in the SaFA (Society of Africanist Archaeologists) Biennial Conference held in Bloomington, April 1994.
- 1995 U.S. Information Agency (State Department). Grant of to sponsor the travel and expense of three African scholars to come to the U.S. to participate in workshop, "Entering the 21st Century: New Directions for African Archaeology," held immediately after the SaFA (Society of Africanist Archaeologists) Conference.
- 1989-1993: Archaeological Research in China. Project funded by a \$280,000 grant to U.C. Berkeley from the Henry Luce Foundation. (J. D. Clark, Project Director).
- 1990-1993: Archaeological Research in Ethiopia. Co-leader of archaeological team funded by a \$270,000 grant to U.C. Berkeley from the National Science Foundation. (Project Directors: J. Desmond Clark and Tim D. White).
- 1991 "Investigations of the Stone Tool-Making and Tool-Using Abilities of a Bonobo." Co-investigator, project funded by a \$12,000 grant from the Wenner-Gren Foundation for Anthropological Research.
- 1991 Grant from Visiting Scholar Exchange Program, Committee on Scholarly Communication with the People's Republic of China (co-sponsored by National Academy of Sciences, American Council of Learned Societies, and Social Science Research Council). Project title: "Initiation of Collaborative Palaeolithic

Archaeological Research, Nihewan Basin."

- 1989 L.S.B. Leakey Foundation grant of \$5650 for research project: "Collaborative Archaeological Research in the People's Republic of China." (Declined in favor of Luce Foundation funding).
- 1987 Wenner-Gren Anthropological Grant. Grant of \$4000 for study visit to China for archaeological consultation (April-May, 1987).
- 1986 L.S.B. Leakey Foundation Grant of \$2500, travel to China as an archaeological consultant.
- 1985 L.S.B. Leakey Foundation Grant of \$4000, for excavation and taphonomic analysis of hyena den in Jordan. (Co-director with Nicholas Toth).
- 1982 L.S.B. Leakey Foundation Grant of \$2500, for geoarchaeological study of Plio-Pleistocene sites in Peninj area, Lake Natron, Tanzania.

Fellowships and Honors:

- 2007 Diploma of Honor, Georgian National Museum, Republic of Georgia.
- 2003 Elected Fellow of the American Association for the Advancement of Science.
- 1996-1997 Distinguished Faculty Research Lecture Award. Research and University Graduate School and the Office of the Vice President for Academic Affairs and Bloomington Chancellor. (Award received jointly with Nicholas Toth).
- 1994 Outstanding Young Faculty Award, Indiana University.
- 1982-1983: Robert Lowie Memorial Fellowship, U.C. Berkeley.
- 1979-1980: Genevieve McEnery Fellowship, U.C. Berkeley.
- 1979-1980: Chancellor's Fellowship, U.C. Berkeley, 1979 (declined in favor of the McEnery Fellowship).
- 1978-1979: Boise Fellowship, Oxford University.
- 1978-1979: Robert Lowie Memorial Fellowship, U.C. Berkeley.
- 1978: Sigma Xi Research Society Scholarship.
- 1974: *Summa cum laude*, B.A., Kent State University.
- 1967-8: Mather Scholarship, Case-Western Reserve University.

Field Work and Research:

- 2017 (Projected) Fieldwork at Olduvai Gorge, Tanzania. July-August, 2017.
- 2016 Geoarchaeological research at Olduvai Gorge, Tanzania. May-June 2016.
- 2015 Geoarchaeological research at Olduvai Gorge, Tanzania. May-June 2015.
- 2015 Laboratory analysis at the LacCore facility, University of Minnesota. Study and sampling of geological cores from Olduvai Gorge. Principal investigators: Nicholas Toth, Kathy Schick, Jackson Njau, Ian Stanistreet.
- 2014 Fieldwork at Olduvai Gorge, Tanzania. Olduvai Geological Coring Project. Principal investigators: Nicholas Toth, Kathy Schick, Jackson Njau, Ian Stanistreet.
- 2014 Laboratory studies of Dmanisi artifacts, Republic of Georgia.
- 2014 Acheulean handaxe replication and resharpening experiments, Stone Age Institute.
- 2013 Fieldwork at Olduvai Gorge, Tanzania. Raw material studies.
- 2012 Fieldwork at Olduvai Gorge, Tanzania. Investigations and sampling of rock outcrops used by early hominins as raw material for stone tool-making.
- 2012 Fieldwork and laboratory study, Nihewan Basin and Peking Man Site (Zhoukoudian), China.
- 2011 Fieldwork and laboratory study, Nihewan Basin and Peking Man Site (Zhoukoudian), China.
- 2003-2017 Ongoing experimentation in the manufacture and use of early stone tools.
- 1990-2010 Experimental studies of stone tool manufacture and use by pygmychimpanzees (bonobos or *Pan paniscus*). Language Research Center, Atlanta, and Great Ape Trust, Des Moines, Iowa.
- 1999 Gona, Ethiopia. Investigations into early hominid archaeology and palaeoanthropology.
- 1999 Archaeological research at Gona, Ethiopia. Investigating the earliest known archaeological sites and survey for sites and fossils.
- 1999 Laboratory studies of ape stone tool-making, Language Research Center, Atlanta. Studies using raw materials from the Gona site area, to make direct comparisons with the earliest stone tools.
- 1997 Field research, Middle Awash research area, Ethiopia , the Middle Awash

- Research Project. Funded by National Science Foundation. Survey in 2.5 million year old deposits and later Acheulean deposits.
- 1997 Field survey in the Kesem Kebena research area, Ethiopia. Survey and reconnaissance for future development of this new research area.
- 1997 Experimental archaeological research in the Debra Birhan area in the Ethiopian Highlands. Study of the manufacture of basalt spheroids.
- 1997 Laboratory analysis at the Institute of Cultural Relics, Hebei Province. Analysis of fossil bones and stone artifacts from the Feiliang ridge sites in the Nihewan Basin.
- 1996 Archaeological Fieldwork in the Nihewan Basin, China, investigating Early Palaeolithic sites. Funded by a \$69,980 grant to Indiana University from the National Science Foundation. Project Directors: Kathy Schick and Nicholas Toth.
- 1995-2001 EMG (electromyography) studies of muscle activity during stone tool manufacture and use. Biomechanics Laboratory, Mayo Clinic, Rochester, Minnesota. With Mary Marzke, Ronald Linscheid, and Kathy Schick.
- 1995 (December). Middle Awash Research Project, Ethiopia. Survey and excavation of Early Palaeolithic sites, and supervision of graduate student, Tadewos Assebework, for development of future dissertation project. Funded by a grant from NSF.
- 1993 (November-December). Middle Awash Research Project, Ethiopia. Excavation and survey, early archaeological sites. Funded by a grant from NSF.
- 1992 (July-August). Archaeological field work in the Nihewan Basin, northern China. Funded by a grant from the Henry Luce Foundation.
- 1991 (July-August). Archaeological field work in the Nihewan Basin, northern China. Funded by a grant from the Henry Luce Foundation.
- 1991 (June). Ethnoarchaeological research on bamboo technology among peoples in southern China. Funded by a grant from the Henry Luce Foundation.
- 1990-1993. Experimental investigation of bonobo (pygmy chimpanzee) stone tool-making and tool-using behavior. With N. Toth, E. Sue Savage-Rumbaugh, R. Sevcik, and D. Rumbaugh, Language Research Center, Atlanta.
- 1990 (October-December). Archaeological field research in the Middle Awash Valley, Ethiopia. Funded by a grant from NSF.
- 1990 (June-August). Archaeological field survey and laboratory studies in northern China (Nihewan Basin) and archaeological survey in southern China. Funded by a \$285,000 3-year grant from the Luce Foundation.

- 1990 to present Long-term experimental studies of ape tool-making and tool-using, Language Research Center and Great Ape Trust. Co-PI with Nicholas Toth.
- 1989 (Dec.)-1990 (Jan). Archaeological field research in the Nihewan Basin, northern China and laboratory studies at the Institute of Vertebrate Paleontology and Paleoanthropology (I.V.P.P.), Academia Sinica, Beijing.
- 1987 (April-May). People's Republic of China. Study tour of Palaeolithic site localities and archaeological and palaeontological collections. At the invitation of the Institute of Vertebrate Paleontology and Palaeoanthropology, Chinese Academy of Sciences (Academia Sinica).
- 1985 (June). Portugal. Survey of archaeological sites, in conjunction with the Archaeological Survey of Southern Portugal. Study of archaeological and palaeontological materials at the Geological Service of Portugal, Lisbon.
- 1985 (May). Spain. Archaeological analysis of Lower Palaeolithic artifacts from the site of Torralba. National Archaeological Museum, Madrid.
- 1985 (April). Jordan. Survey and reconnaissance of archaeological site localities. Excavation of a striped hyena den for comparative information on bone accumulation and modification by carnivores. Co-director with Dr. Nicholas Toth.
- 1985 (June). Robbins Site, San Bernardino County, California. Taphonomic excavation of Miocene palaeontological site, to obtain data on bone modification relevant for analysis of fauna at early archaeological sites. Co-director with Dr. Nicholas Toth.
- 1983 (July-August). Ambrona, Spain. Analysis of lithic materials from Acheulean site for evidence of contributing site formation processes. Dr. F. Clark Howell, project director.
- 1982 (November). National Archaeological Museum, Madrid, Spain. Preliminary analysis of lithic materials from Acheulean site for evidence of contributing site formation processes. Dr. F. Clark Howell, project director.
- 1982 (August-October). Peninj, Lake Natron, Tanzania. Field survey in Natron basin and direction of excavation at early Acheulean (RHS) site. Analysis of depositional contexts and lithic materials at early East African Acheulean sites in northern Tanzania. In conjunction with Dr. Glynn Isaac, project director.
- 1981 (August-September). Ambrona, Spain. Excavation at the Acheulean, and lithic analysis. Dr. F. Clark Howell and Leslie Freeman, project directors.
- 1981 (July-August). Koobi Fora, Kenya. Dissertation fieldwork: Excavation/analysis of experimental sites.

- 1979 to 1980 (September through June). Koobi Fora, Kenya. Excavation and survey to Plio-Pleistocene site localities; experimental field research for dissertation; and studies of archaeological materials at the Kenya National Museum. Dr. Glynn Isaac, project director.
- 1978-1979 (September through June). Koobi Fora, Kenya. Excavation and survey of archaeological sites and experimental research for dissertation; laboratory analysis of excavated assemblages at the Kenya National Museum, Nairobi.
- 1977 (September-December). Koobi Fora, Kenya. Excavation and survey, Plio-Pleistocene sites; initiation of experimental research for dissertation. Dr. Glynn Isaac, project director.
- 1976 (September-December). Analysis of burial population at the Late Woodland site of Libben, northern Ohio. Study of known artifact associations, skeletal mutilations, burial location and orientation, and their correlations with demographic information on age and sex.
- 1976 (June-August). Milan County, Ohio. Field supervisor. Excavation of Amerindian (Anderson) site (primarily Late Woodland occupation). Dr. Orrin C. Shane, project director.
- 1975 (November). Field supervisor. State archaeological survey for Amerindian occupation sites, northern Ohio.
- 1975 (June-August). Archaic rockshelter, Summit County, northeast Ohio. Excavation. Dr. Olaf Prufer and Dr. Donald Metzger, project directors.

Conferences, Symposia, and Workshops Organized:

- 2017 (in preparation) Templeton Workshop, China, on the evolution of human cognition. Participants from the U.S., China, Republic of Georgia, and Tanzania.
- 2016 Olduvai Gorge Coring Project Workshop, November 2016. Workshop with 25 invited participants from the U.S., Europe, and Africa, to discuss results of analyses of the core samples retrieved from Olduvai Gorge.
- 2016 Templeton Workshop, Tbilisi, Republic of Georgia, September, 2016. Participants from U.S.A., Georgia, China, and Tanzania. On evidence for the evolution of human cognition.
- 2014 Workshop to strategize for the Olduvai Geological Coring Project. Stone Age Institute. 25 participants.
- 2013 *Origins 3: The Evolution of the Universe, the Earth, Life, and the Human Species*. Sponsored by the Stone Age Institute and Indiana University, October 20th, 2013. Co-organizer with Nicholas Toth.

- 2013 Conference on "Early Humans in East Asia: Archaeological and Paleontological Research in the Nihewan Basin, China." Stone Age Institute, April, 2013. Co-organizer with Nicholas Toth. 15 participants.
- 2011 *Origins 2: The Evolution of the Universe, the Earth, Life, and the Human Species.* Sponsored by the Stone Age Institute and Indiana University, October 23rd, 2011. Co-organizer with Nicholas Toth.
- 2009 *Origins: The Evolution of the Universe, the Earth, Life, and the Human Species.* Sponsored by the Stone Age Institute and Indiana University, October 10th, 2009. Co-organizer with Nicholas Toth.
- 2007 *The Human Brain Evolving: Papers in Honor of Ralph L. Holloway.* Organizers Douglas Broadfield, Michael Yuan, Kathy Schick, and Nicholas Toth. International symposium. Indiana University, Bloomington and the Stone Age Institute. Sponsored by the Stone Age Institute and Indiana University.
- 2005 *New Approaches to the Earliest Stone Age.* Closed session conference for twenty scientists. Nicholas Toth and Kathy Schick, Organizers. Stone Age Institute, Bloomington, Indiana. Sponsored by the Stone Age Institute and Indiana University.
- 2004 *African Taphonomy: A Tribute to the Career of C.K. "Bob" Brain.* Closed session conference for sixteen scientists. Stone Age Institute, Bloomington, Indiana. Organized by Travis Pickering, Kathy Schick, and Nicholas Toth. Sponsored by the Wenner-Gren Foundation for Anthropological Research, the Stone Age Institute, and Indiana University.
- 2004 *Missing Links: Studies in Human Origins Research.* Public symposium, Indiana University, Bloomington. Fifteen speakers. Organized by Travis Pickering, Kathy Schick, and Nicholas Toth. Sponsored by the Wenner-Gren Foundation for Anthropological Research, the Stone Age Institute, and Indiana University.
- 1994 *Society of Africanist Archaeologists, 12th Biennial International Conference,* at Indiana University, Bloomington. Organized by Kathy Schick and Nicholas Toth.
- 1993 "Exploring African Prehistory: From the Stone Age to Complex Societies." A workshop on African archaeology sponsored by the African Studies Program of Indiana University.
- 1991 "Lithic Technology and Site Formation: Modern Perspectives and Approaches." Workshop for Chinese archaeologists held at the "Peking Man Site" (Zhoukoudian), Beijing, People's Republic of China, May 30-June 14, 1991. Co-organized and co-taught with Nicholas Toth and Diane Gifford-Gonzalez of U.C. Santa-Cruz.
- 1987 "*The Quest for our Ancestors.*" Conference on human origins, Indiana University, Bloomington. Organized by Nicholas Toth and Kathy Schick. Co-sponsored by

CRAFT Research Center, Indiana University, and the L.S.B. Leakey Foundation.

Museum Exhibits and Displays, Organizer/Consultant:

- 2013 Consultant and contributor, Eiteljorg Museum exhibit, "Guitars! From Round-ups to Rockers."
- 2011 Exhibit on human origins for the "Celebrate Science, Indiana!" day, Indianapolis. Organizer, Nelson Shaffer.
- 2010 Curator and development of concept and content. "*From the Big Bang to the World Wide Web.*" Museum exhibit, Mathers Museum of World Cultures, Indiana University. With Nicholas Toth.
- 2009 Consultant and contributor, Indiana State Museum exhibit of meteorites.
- 2010 Curator and development of concept and content. "*From the Big Bang to the World Wide Web*" Museum exhibit, Mathers Museum of World Cultures, Indiana University. With Nicholas Toth.
- 1998 Consultant, Indianapolis Museum of Art. Exhibit and book on *African Prehistory*.
- 1997 Consultant, "Think Tank" Exhibit on Animal Intelligence, National Zoo, Washington.
- 1995 "*Images from the Field: An Archaeological Camera.*" Photo exhibition, Runcible Spoon Cafe. (With Kathy Schick).
- 1987 "*The Rise of Humankind*", William Hammond Mathers Museum of Anthropology, History, and Folklore, Indiana University, Bloomington. Co-organizer with Jeanne Sept and Nicholas Toth, exhibits on human evolution and palaeolithic lifeways. In conjunction with human origins symposium, "*The Quest for our Ancestors*".
- 1987 "*Before and After Darwin.*" Display on the history of evolutionary thought, Lilly Library. Co-organized with Nicholas Toth.
- 1987 "*Masterpieces of the Early Stone Age*". I.U. Art Museum. Early stone age artifacts.
- 1986 "*J. Desmond Clark in Africa: A Half-Century Uncovering the Human Past*". Organizer, Lowie Museum of Anthropology Exhibit, U.C. Berkeley. In conjunction with Festschrift in honor of Prof. J. Desmond Clark.

Papers at Professional Conferences, Meetings, and Workshops:

- 2017 Three-day mini-course on the evolution of human cognition. King Abdullah University of Science and Technology (KAUST), Saudi Arabia.
- 2016 *Homo erectus 100+25 International Conference*. Early Homo, The Palaeolithic Record, and Cognitive Complexity. September, 2016. Tbilisi, Republic of Georgia.
- 2015 “The Olduvai Geological Coring Project (OGCP): Providing a new paleoenvironmental context for human evolution at Olduvai Gorge, Tanzania.” N. Toth, K. Schick, J.K. Njau, and I. Stanistreet. Paleoanthropology Society Annual Meeting, San Francisco, April, 2015.
- 2014 “Cognitive Patterns During Early Stone Age Tool Manufacture and Rejuvenation.” *In* Searching for Traces of the Hominin Mind: Evolutionary Cognitive Archaeology and Theoretical Constructs of Cognition. American Anthropological Association Annual Meeting, Washington, D.C., December, 2014.
- 2013 “Early Stone Age Technological Patterns in African and East Asia.” *In* You and What Army? Papers in Honor of Lawrence H. Keeley. American Anthropological Association Annual Meeting, Chicago, 2013.
- 2012 “From the Big Bang to the World Wide Web: A Framework for Approaching Big History.” International Big History Association conference. By Kathy Schick and Nicholas Toth.
- 2012 “Big History and Human Evolution.” International Big History Association conference. By Nicholas Toth and Kathy Schick.
- 2012 “Coping with a Learning Curve.” Panel discussant, International Big History Association conference.
- 2011 “The Origins of Human Creativity.” Symposium, *Origins 2: The Evolution of the Universe, the Earth, Life, and the Human Species*. Sponsored by the Stone Age Institute and Indiana University. By Kathy Schick.
- 2010 “From Stone Tools to the Internet.” New York Academy of Sciences. By Nicholas Toth and Kathy Schick.
- 2010 Guest lectures on human origins. Danta Association for Conservation of the Tropics, Costa Rica. By Nicholas Toth and Kathy Schick.
- 2010 “The Origins of Everything: From the Big Bang to the World Wide Web.” Indiana University. Sponsored by the Stone Age Institute, in conjunction with opening of Mathers Museum exhibit. By Kathy Schick and Nicholas Toth.

- 2009 “Human Origins and the Creative Spirit.” L.S.B. Leakey Foundation lecture, KANEKO Institute, Omaha, Nebraska.
- 2009 “The Origins of Creativity and Symbolic Thought.” Symposium , *Origins: The Evolution of the Universe, the Earth, Life, and the Human Species*. Sponsored by the Stone Age Institute and Indiana University.
- 2009 “Human Origins and the Creative Spirit.” Invited Leakey Foundation Lecture, Kaneko Institute, Omaha. By Kathy Schick and Nicholas Toth.
- 2009 “Culture, Cognition, and the Material Culture of Early Hominins and Modern Apes.” Invited paper at Symposium, *Culture and the Mind: Artefacts & Material Culture*,” University of British Columbia, Vancouver. By Nicholas Toth and Kathy Schick.
- 2008 “Behavioural and Geoarchaeological Variables Affecting Lithic Assemblages.” Society for American Archaeology Annual Meetings, Invited Symposium, Vancouver. By Nicholas Toth and Kathy Schick.
- 2008 “The Human Mind Evolving.” Invited paper at Symposium, “Emergence of Mind: Decade of the Mind III,” Des Moines Iowa, sponsored by the Great Ape Trust. By Kathy Schick and Nicholas Toth.
- 2008 “Critical Thresholds in Human Evolution: From Ape to Artist.” Evolutionary Epic Symposium, Oahu, Hawaii. By Kathy Schick and Nicholas Toth.
- 2008 “New Approaches to the Early Stone Age.” Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China.
- 2007 The Adaptive Significance in Early Hominin Technologies: Diverse Avenues of Inquiry.” Palaeoanthropology meets Primatology Workshop, Cambridge University. By Nicholas Toth and Kathy Schick.
- 2007 “Lessons from the Apes: Dynamics of Stone Tool-making, Transport, and Use.” Palaeoanthropology meets Primatology Workshop, Cambridge University. By Kathy Schick and Nicholas Toth.
- 2007 Hominid Brain Reorganization, Technological Change, and Cognitive Complexity.” Symposium, “*The Evolving Human Brain: Papers in Honor of Ralph L. Holloway*.” By Nicholas Toth, Kathy Schick, and Mohamed Sahnouni.
- 2007 “The Neural Correlates of Early Stone Age Tool Making: Evolutionary Implications.” Symposium, “*The Evolving Human Brain: Papers in Honor of Ralph L. Holloway*.” By Dietrich Stout, Nicholas Toth, and Kathy Schick.
- 2007 “Why the Acheulean? Experimental Studies of the Manufacture and Function of Acheulean Tools.” Colloque international: *Les Culture à Bifaces du Pléistocène Inférieur et Moyen Dans le Monde. Émergence du Sens de l’Harmonie*. Centre

- Européen de Recherches Préhistoriques de Tautavel, France. By Nicholas Toth and Kathy Schick.
- 2007 “Acheulean Industries of the Lower and Middle Pleistocene, Middle Awash, Ethiopia.” Colloque international: *Les Culture à Bifaces du Pléistocène Inférieur et Moyen Dans le Monde. Émergence du Sens de l’Harmonie*. Centre Européen de Recherches Préhistoriques de Tautavel, France. By Kathy Schick and Nicholas Toth.
- 2007 “The Dawn of Human Technology: A Multidisciplinary Approach.” Darwin Days Lecture, Furman University. By Nicholas Toth and Kathy Schick.
- 2007 “Early Stone Age Technology.” Prehistory Festival, Georgia National Museum, Tbilisi, Republic of Georgia. By Nicholas Toth and Kathy Schick.
- 2007 “The Role of Rock: The Dawn of Human Technology.” Explorer’s Talk, Cleveland Museum of Natural History, Cleveland, Ohio. By Nicholas Toth and Kathy Schick.
- 2006 By Nicholas Toth and Kathy Schick. “Further Investigations into the Oldowan: Lessons from the Prehistoric Record, Experimental Archaeology, and Apes Invited Symposium.” Paper at invited Symposium: “Interdisciplinary Approaches to Understanding the Oldowan,” Society for American Archaeology annual meeting, Puerto Rico.
- 2006 A Quantitative Assessment of Mode 1 Knapping Skill. By Dietrich Stout, Kathy Schick, and Nicholas Toth. Paper at invited Symposium: “Interdisciplinary Approaches to Understanding the Oldowan,” Society for American Archaeology annual meeting, Puerto Rico.
- 2005 “Measuring Levels of Skill in Oldowan Tool-making: Insights from *Pan*, *Australopithecus*, and *Homo sapiens*,” by Kathy Schick, Nicholas Toth, and Sileshi Semaw. Paper at conference, “New Approaches to the Earliest Stone Age,” Stone Age Institute, Bloomington, Indiana.
- 2005 “The brain basis of Early Stone Age knapping skill: A preliminary report.” By Dietrich Stout, Kathy D. Schick, and Nicholas Toth. Paper at conference, “New Approaches to the Earliest Stone Age,” Stone Age Institute, Bloomington, Indiana.
- 2005 “New Approaches to Early Technologies: An Introduction.” By Nicholas Toth. Paper at conference, “New Approaches to the Earliest Stone Age,” Stone Age Institute, Bloomington, Indiana
- 2005 Experimental Studies of Ape Technology. Nicholas Toth and Kathy Schick. Primate Technology Workshop, Miami University.
- 2004 “Excavation and taphonomic analysis of a recent striped hyena den in northeastern

- Jordan.” In: *African Taphonomy: A Tribute to the Career of C.K. “Bob” Brain*. Closed session conference for sixteen scientists. Stone Age Institute, Bloomington, Indiana. By Kathy Schick, Nicholas Toth, and Travis Pickering.
- 2004 Memorial tribute to J. D. Clark. Paleoanthropology Society meeting, Toronto. (With Tim White).
- 2003 “The Prehistoric Roots of Human Technology.” *A Centennial Tribute to Louis Leakey*, Chicago Field Museum of Natural History, sponsored by the L.S.B. Leakey Foundation. By Nicholas Toth and Kathy Schick.
- 2004 Stone tool-making presentation and demonstration, Main Hall, Chicago Field Museum. Part of *A Centennial Tribute to Louis Leakey*, Chicago Field Museum of Natural History, sponsored by the L.S.B. Leakey Foundation. Nicholas Toth and Kathy Schick.
- 2003 *Roundtable Discussion: Problems in Early African Prehistory. A Centennial Tribute to Louis Leakey*, Chicago Field Museum, sponsored by the L.S.B. Leakey Foundation. Kathy Schick.
- 2001 "A technological comparison of the stone tool-making capabilities of Australopithecus/early *Homo*, *Pan paniscus*, and *Homo sapiens*, and possible evolutionary implications. Paper presented at the annual meetings of the Paleoanthropological Society, Denver, Colorado. By Nicholas Toth, Kathy Schick, and Sileshi Semaw.
- 2002 “Recent discoveries from Gona, Afar, Ethiopia.” Paper at the annual meetings of the Paleoanthropological Society, Denver, Colorado. By S. Semaw, K. Schick, N. Toth, S. Simpson, J. Quade, M. Rogers, P. Renne, D. Stout, and M. Dominguez-Rodrigo.
- 2000 *Pan the Tool-Maker: Insights on the Early Stone Age from Experimental Studies of Ape Stone Tool-Making.* Ape Stone Tool-making: Perspectives on the earliest stone tools. In "Cultural Evolution: from Pan to Homo", the second Colloquium before the Fifth World Congress of Human Paleontology (UNESCO International Association for the Study of Human Paleontology), Barcelona, November. Paper by Kathy Schick and Nicholas Toth, presented by K. Schick.
- 2000 “Recent Experimental Approaches to the Early Stone Age, and Behavioral Implications for Early Hominids” In "Cultural Evolution: from Pan to Homo", the second Colloquium before the Fifth World Congress of Human Paleontology (UNESCO International Association for the Study of Human Paleontology), Barcelona, November. Paper by Nicholas Toth and Kathy Schick, presented by N. Toth.
- 2000 “Paleoanthropology at the Millenium.” In “Archaeology at the Millenium,” Plenary Symposium opening the Society for American Archaeology Annual Meetings, Philadelphia. Paper by Kathy Schick and Nicholas Toth, presented by

- K. Schick.
- 2000 Biface Technological Development and Variability in the Acheulean Industrial Complex in the Middle Awash Region of the Afar Rift, Ethiopia. In Symposium, "From Coup de Poing to Clovis: Approaches to the Study of Biface Variability." Society for American Archaeology Annual Meetings, Philadelphia. By J. Desmond Clark and Kathy Schick, presented by K. Schick.
- 1997 "Origin and development of tool-making behavior in Africa and Asia." In the International Symposium, "Evolution of the Human Family: State of the Art." Colloquium: "Evolution of Human Behavior and Communication." Madrid. Paper by Kathy Schick and Nicholas Toth, presented by K. Schick.
- 1997 "Hard hammer percussion manufacture of tools and early hominid hand morphology". Paleoanthropology Society Annual Meeting, St. Louis. By M.W. Marzke, N. Toth, K. Schick, S. Reece, B. Steinberg, K. Hunt, R.L. Linscheid, and K-N. An.
- 1997 "Sidescraping, endscraping and the hominid hand." By Paleoanthropology Society Annual Meeting, St. Louis. By S. Reece. B. Steinberg. M.W. Marzke, N. Toth, K. Schick, K. Hunt, R.L. Linscheid, and K-N. An. Presented by S. Reece.
- 1996 "Archaeological Variability in Middle Pleistocene Times in the Middle Awash Valley of Ethiopia." Society for American Archaeology Annual Meeting, New Orleans, April 10-14. Symposium: "Core and Flake Tool Assemblages: Coming to Terms with the 'Other' Industries of the Middle Pleistocene." Paper by Kathy Schick and J. Desmond Clark. (Presented by K. Schick).
- 1996 "The Early Palaeolithic of Eastern Asia: Insights from the Nihewan Basin in Northern China." Society for American Archaeology Annual Meeting, New Orleans, April 10-14. Symposium: "Core and Flake Tool Assemblages: Coming to Terms with the 'Other' Industries of the Middle Pleistocene." Paper by Nicholas Toth, Kathy Schick, and J. Desmond Clark. (Presented by Nicholas Toth).
- 1995 "A Comparative View on the East Asian Palaeolithic." Invited paper at Tokyo University Museum Symposium, *Neanderthals and Modern Humans in Western Asia*, November 20-25, Tokyo. By Kathy Schick.
- 1995 "Early Stone Tools - "Simple" or "Complex"? The Implications of the Early Stone Age for Human Cognitive Evolution." Invited session on the Evolution of Human Cognition, Annual Meetings of the American Anthropological Association, Washington, D.C.
- 1995 "Out of Africa: Early Forays into Foreign Lands." Invited paper for L.S.B. Leakey Symposium, *Interpreting the Past*, Denver Museum of Natural History. October.
- 1995 "Early Evidence for Hominid Migrations into eastern Asia." Paleoanthropology Society annual meetings, Oakland, California. By Kathy D. Schick and Nicholas

Toth.

- 1994 "Early Acheulian Occurrences from the Bouri Peninsula, Middle Awash, Ethiopia." Society of Africanist Archaeologists 12th Biennial Conference, Indiana University, Bloomington Indiana. By Kathy Schick and J. Desmond Clark.
- 1993 "New Views of the Early Stone Age." Four Million Years of Hominid Evolution in Africa: An International Congress in Honour of Dr. Mary Douglas Leakey's Outstanding Contribution in Palaeoanthropology, August 8-14, 1993, Arusha, Tanzania.
- 1992 American Anthropology Association Annual Meeting, San Francisco, December 2-6. "A Perspective on the Palaeolithic of China and Eastern Asia."
- 1992 11th Biennial Conference of the Society of Africanist Archaeologists, (SAfA), March 26-29, Los Angeles. "Stone Technology and Land-Use in the Early Stone Age: a Case Study."
- 1992 Palaeoanthropology Society, April 7-8, Pittsburgh. "Palaeoanthropological Investigations at Early Palaeolithic Sites in the Nihewan Basin, northern China."
- 1991 Lithic Technology Symposium, Lexington, Kentucky. Pan the Tool-maker: experiments in tool-making and tool-using abilities of a bonobo ("pygmy chimpanzee").
- 1991 International Union for Quaternary Research (INQUA), XIII International Congress, August 2-9, Beijing. "Experimental Studies of Palaeolithic Site Formation."
- 1989 American Anthropology Association Annual Meeting, Washington. Symposium on North American Approaches in Lithic Technology. "Why so many bifaces? Reevaluation of an an Acheulean 'Floor' at Kalambo Falls, Zambia."
- 1989 American Anthropology Association Annual Meeting, Washington. Symposium on the Anthropology of Technology. "The Origins of Human Technology." Co-authored with Nicholas Toth.
- 1987 Union Internationales des Sciences Prehistoriques et Protohistoriques (U.I.S.P.P.), XI Congres Internationale, Mainz, Germany.
- 1986 American Anthropology Association meetings, Philadelphia. "Untangling the Web: Archaeological Site Formation and Transformation."
- 1986 Society for American Archaeology meetings, New Orleans. Invited Paper in Symposium on Natural Disturbance Processes and the Archaeological Record. "Differentiating between the effects of behavioral and non-behavioral processes on Palaeolithic assemblages."
- 1986 The Longest Career: Festschrift in honor of J. Desmond Clark, U.C. Berkeley,

- Berkeley, California. "Discerning behavior patterns in the Lower Pleistocene."
- 1984 Palaeoecology Symposium, Rutgers University, Invited Paper. "The Early Archaeological Sites at Koobi Fora, Kenya: what the evidence reveals about site formation processes and behavior patterns in the Lower Pleistocene."
- 1983 Kroeber Anthropological Society meetings, Berkeley, California. "The absence of evidence: dealing with biases and distortions in the record."
- 1982 American Society for Africanist Archaeologists meetings, Berkeley, California. "Results of some site formation experiments: the effects of sedimentary processes upon archaeological materials."
- 1982 The Prehistoric Society, London, Spring Conference: Hunter-Gatherers Studies. "Site Formation Processes in East Africa: an experimental study."
- 1981 Society for American Archaeology meetings, San Diego, California, Symposium on Proto-Human Adaptation. "Experimental Studies of Site Formation Processes."
- 1978 Kroeber Anthropological Society meetings, Berkeley, California. "After the Flood: observed modification of lithic assemblages by overbank floodwaters."

Other Lectures and Talks:

- 2015 "Experimental Approaches to the Early Stone Age." Max Planck Institute, Leipzig, Germany, May 2015.
- 2015 "Actualistic Studies of Oldowan and Acheulean Technologies." Quaternary Paleoecology Seminar Series, University of Minnesota.
- 2014 "The Early Stone Age of Africa." Georgian National Museum, Tbilisi, Georgia.
- 2013 "The Technological Ape: Human Evolution and the Rise of Tool-Making." Stone Age Institute/CRAFT Research Center Lecture Series on Human Origins. Whittenberger Auditorium, Indiana University, Bloomington. (With Nicholas Toth).
- 2012 "The Early Stone Age of Africa." Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China.
- 2012 "The Role of Rock: Stone Tools, Human Evolution, and Prehistoric Site Formation." Department of Geological Sciences, Indiana University. (With Nicholas Toth).
- 2011 Tour of Mathers Museum exhibit, "From the Big Bang to the World Wide Web," for the Cook, Inc. executives. (With Nicholas Toth).

- 2011 “The Evolutionary Origins of Humans and their Technology.” *Celebrate Science Indiana!*, Indianapolis. By Nicholas Toth and Kathy Schick.
- 2009 “From the Big Bang to the World Wide Web: A Framework for Science Education.” Teachers’ Workshop, Cardinal Stage Company, Bloomington, Indiana.
- 2009 Rotary Club, Bloomington.
- 2007 Continuing Studies, Indiana University.
- 2006 Rotary Club, Bloomington.
- 2006 Psychology Department, Indiana University.
- 2006 School of Informatics, Indiana University.
- 2006 Google Corporate Headquarters, Mountain View, California: "The Role of Rock: Technology, Adaptation, and Human Evolution," by Nicholas Toth and Kathy Schick.
- 2006 IDEO Headquarters, Palo Alto, California: "The Role of Rock: Technology, Adaptation, and Human Evolution" by Nicholas Toth and Kathy Schick.
- 2005 Indiana University, Mini-University course, “The Archaeology of Human Origins.”
- 2005 Indiana University Continuing Studies course, “Missing Links.”
- 2004 St. Paul’s School, Concord, New Hampshire.
- 2004 Talk for Cook Group, Inc., at the Stone Age Institute.
- 2004 Talk for Bloomington Rotary Club at the Stone Age Institute.
- 2004 Talk for Bloomington Chamber of Commerce.
- 2003 Talk on human origins for Chicago public schools.
- 2003 Mini-University Course on Human Origins, Indiana University, Bloomington.
- 2002 Bowers Museum, Santa Ana, California.
- 2002 Talk for Bloomington Chamber of Commerce.
- 2000 Department of Anthropology, University of Iowa.
- 1999 New discoveries of fossils and artifacts in the Gona Research Area. National

- Museum of Ethiopia. With Nicholas Toth and Sileshi Semaw.
- 1998 "The Role of Rock: The Evolutionary Origins of Human Technology." RUGS presentation for Graduate School Deans, the Association of Graduate Schools Annual Meeting. (With Nicholas Toth).
- 1997 "Experimental Investigations into the Origins of Human Technology." Anthropology Department, Arizona State University. (With Nicholas Toth).
- 1997 "The Archaeology of Human Origins." Department of Integrative Biology, University of California, Berkeley. (With Nicholas Toth).
- 1997 "The Role of Rock: The Evolutionary Origins of Human Technology." Distinguished Faculty Research Lecture, IU Bloomington. (With Nicholas Toth).
- 1997 "The Dawn of Human Technology." Address at Annual Banquet of the Sigma Xi Research Society. (With Nicholas Toth).
- 1997 Breakfast with Scholars talk, IUPU Columbus. (With Nicholas Toth).
- 1997 International Art and Anthropological Tours. Lectures during "Painted Caves of Ancestors" tour in Spain and France.
- 1996 "Behavioral Investigations into the Early Stone Age." Institute of Vertebrate Paleontology and Paleoanthropology, Beijing.(With Nicholas Toth).
- 1996 "Experimental Approaches to Stone Age Archaeology." Archaeology Institute, Beijing University, Beijing. (With Nicholas Toth).
- 1995 "Pursuits of the Past: In Search of Human Origins." Invited lecture for the Joan Wood Lecture Series, sponsored by the Indiana University Department of Biology's Task Force on Women. October, 1995.
- 1994 "The Dawn of Human Technology." Anthropology Department, University of Illinois, Urbana-Champaign.
- 1994 Anthropology Department, University of Notre Dame.
- 1993 Chicago Field Museum.
- 1993 California Academy of Sciences, San Francisco.
- 1993 Santa Barbara Natural History Museum.
- 1993 Los Angeles County Natural History Museum.
- 1993 Fellows' Event, Los Angeles County Natural History Museum.

- 1993 San Diego Museum of Man.
- 1993 I.U. Bloomington Geology Department.
- 1992 University of Michigan, Anthropology Department.
- 1990 Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China. "Recent Perspectives on Archaeological Excavation and Analysis."
- 1989 Institute of Human Origins (Berkeley, California), Invited talk in Institute Lecture Series: "Camps, Caches, or Carcass Cafeterias: Possible interpretations of early archaeological sites."
- 1988 Livingstone Museum, Zambia, Lecture Series. "Experimental Studies of Site Formation."
- 1988 American Cultural Center, U.S. Embassy, Lusaka, Zambia.
- 1987 Reconstruction of Past Landscapes Lecture Series, Departments of Classics, Geography, Geology, and Sociology/Anthropology, Miami University. "Palaeolandscapes and prehistoric Site Formation Processes."
- 1987 Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China. "Studies of Archaeological Site Formation."
- 1987 Anthropology Department Seminar Series, Indiana University.
- 1985 Harvard University, Anthropology Department.
- 1985 National Archaeological Survey, Evora, Portugal.
- 1985 National Archaeological Museum, Madrid, Spain.
- 1985 Amman, Jordan: American Center for Oriental Research.
- 1985 U. C. Berkeley, Anthropology Department.
- 1985 Institute of Archaeology, London.
- 1985 University of Capetown, Department of Archaeology.
- 1982 Yale University, Anthropology Department.
- 1982 Anthropology Department, The Sorbonne, Paris.
- 1982 Centre Nationale de la Recherche Scientifique, Marseilles, France.
- 1982 University of Southampton, England, Department of Archaeology. Southampton,

England.

1979 Oxford University, Department of Archaeology.

Graduate Student Supervision (Indiana University):

Blaire Hensley-Marschand, Robert Mahaney, Melanie Everett, Leslie Harlacker, Dietrich Stout, Mohamed Sahnouni, Gary Garufi, Bruce Hardy, Jason Heaton, Tadewos Assebework, Aise Taskiran, Epie Pius, Dong Zhuan, Peng Nanlin, Sibanyama Mudenda, Christopher Bolton, Alison Corning, Kenneth Malm, Emily Williams.

Consultation/Media Appearances:

- 2013 Interview on the Stone Age Institute for *Bloom Magazine*.
- 2012 *Nova* television special on Human Origins, filming at the Stone Age Institute.
- 2012 Filming for *Chinese Discovery Channel*, Hebei Province, China.
- 2011 Bill Gates' *Big History Project*, filming at the Stone Age Institute.
- 2008 *Granada Television*, England, filming at the Stone Age Institute.
- 2007 *Swedish National Television*, filming at the Stone Age Institute.
- 2007 *NHK*, filming at the Great Ape Trust, Des Moines, Iowa.
- 2005 Filming for *National Geographic Television "Naked Science"* series. Filmed at the Stone Age Institute.
- 2004 Filming for *History Channel*, segments on the history of tools. Filmed at the Stone Age Institute, Bloomington.
- 2003 Consultation with the *Iowa Primate Learning Sanctuary*, Stone Age Insitute.
- 2002 Consultation with ApeNet (scientists studying modern apes), Atlanta Georgia.
- 2001 Filming for *New York Times Television* series profiling scientists.
- 2000 Filming for *NHK* (Japanese National Television), in segment on ape stone tool-making (filmed at CRAFT in Bloomington).
- 2000 Filming for *Scientific American Frontiers*. Segment on early stone tools and hand evolution. Alan Alda, host.
- 1998 Filming for *Discovery Channel*, Canada: Discussion and explanation of Acheulean tools for broadcast program on new sites in Eritrea (Filmed at CRAFT in Bloomington).

- 1999 Filming for the *History Channel*. Two part series on hand tools; filming of segment, including interviews on early stone tools, and demonstration of stone tool-making and tool-using. (Filmed in Bloomington).
- 1996 Consultant for *National Geographic* articles on human evolution.
- 1995 Consultant for *Egypt in Africa* exhibition, Indianapolis Museum of Art.
- 1994-5 Consultation for *Tools Through Time* in new exhibit, *Think Tank*, for the National Zoological Park, Smithsonian Institution.
- 1993 *Granada Television/Arts and Entertainment Network*. Four-part series on human origins (*Ape Man*), hosted by Walter Cronkite. Involved in filming, helping orchestrate scenes, and consulting regarding content and accuracy.
- 1985 *National Geographic Magazine*. Consultant for issue on human evolution.
- 1980 *BBC Television*. 7-part series on human evolution, *The Making of Mankind*. Consultation and filming. Hosted by Richard Leakey.