

Curriculum Vitae

Jeanne Marian Sept

Department of Anthropology, Indiana University
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Personal:

Born July 8, 1955, San Francisco CA

Education:

- 1984 Ph.D. Department of Anthropology, University of California, Berkeley
Dissertation:
Plants and Early Hominids in East Africa: a study of vegetation in situations comparable to early archaeological site locations.
- 1980 M.A. Department of Anthropology, University of California, Berkeley
1977 A.B. Department of Anthropology, University of California, Berkeley
(with honors and great distinction; senior prize; Phi Beta Kappa)

Professional Interests:

African Prehistory; Human Origins & Evolution; Palaeoecology & Plant Foods;
Early Hominin Diet & Subsistence Strategies; Primate Ecology & Behavior;
GIS and Agent-Based Modeling of Foraging Behavior;
Instructional Technology

Academic Positions and Affiliations:

- 2000- current Professor, Department of Anthropology, Indiana University,
- 2004-2008 Dean of the Faculties and Vice Provost for Academic Affairs, Indiana University
Bloomington, IN
- 2003-2004 Chair, Anthropology Department, Indiana University
- 2000-2003 Associate Dean of the Faculties, Indiana University
- 2002 Visiting Professor, Anthropology Department, University of California, Berkeley
- 1993-2000 Associate Professor, Department of Anthropology, Indiana University,
- 1996-1999 Research Fellow, Center for Excellence in Education, School of Education, IU
- 1987-1993 Assistant Professor, Department of Anthropology, Indiana University

Academic Positions (cont.):

- 1986 Lecturer, Department of Anthropology, Harvard University, Cambridge MA
- 1985 Visiting Lecturer, Department of Anthropology, Boston University, Boston MA
- 1985 Instructor, Koobi Fora Field School, National Museums of Kenya / Harvard Univ.
- 1983-1985 Teaching Assistant (with D. Pilbeam), Anthropology Department, Harvard University, Cambridge, MA
- 1983-1984 Research Associate (with G.L.I. Isaac), Anthropology Department, Harvard University, Cambridge MA
- 1980-1983 Research Assistant (for G. L.I. Isaac), Koobi Fora Research Project, Berkeley, CA
- 1978-1982 Teaching Assistant (with G.L.I. Isaac, J.D. Clark, R. Tringham, J. O'Connell) Anthropology Department, University of California, Berkeley, CA
- 1978-1980 Curatorial Assistant, Lowie Museum of Anthropology, University of California, Berkeley, CA

External Grants:

- 2009 PI - Faculty Supervisor, Doctoral Dissertation Improvement Grant to August Costa: Uncovering the First South Asians: the prehistoric colonization of coastal western India. National Science Foundation (\$12,581).
- 2008 PI – Faculty Supervisor, award to student August Costa, “Establishing evidence of modernity: the Paleolithic of coastal western India” L.S.B. Leakey Foundation (IU Proposal Number 93421) (\$10,000) submitted 2008, awarded Dec 16, 2008.
- 2001-2003 Director (Co-director: Martin Siegel) U.S. Department of Education, Fund for the Improvement of Post-Secondary Education (FIPSE) grant supplement "Web-based Visualization Tools for Undergraduate Inquiry" (\$26,358)
- 2001-2003 Research scientist, on Project “Hommes et primates en perspective: faits techniques, culturels et cognitifs comparés” (F. Jouliau, Chef de Projet), Ministère de la Recherche, France: ACI, CNRS (FF20,000)
- 1998-2002 Director (Co-director : Martin Siegel) U.S. Department of Education, Fund for the Improvement of Post-Secondary Education (FIPSE) grant "Web-based Visualization Tools for Undergraduate Inquiry" (\$251,000)
- 1996-1998 Director, (Co-Director: Martin Siegel) National Endowment for the Humanities (NEH) Teaching with Technology program grant “Prehistoric Puzzles: Collaborative Problem solving with Internet-Based Tools” (\$180,000)

- 1993 Faculty Advisor, Wenner-Gren Foundation for Anthropological Research Grant to aid dissertation research of Sibanyama Mudenda "Archaeological research on economic systems in the Late Stone Age, Lower Kafue Basin, southern Zambia" (\$11,000)
- 1992 Principle Investigator (PI), Wenner-Gren Foundation for Anthropological Research "An archaeological approach to mapping chimpanzee activity sites and ranging patterns in eastern Zaire." (\$7500)
- 1990 PI, L.S.B. Leakey Foundation, "Etho-archaeology of chimpanzees in a gallery forest, eastern Zaire" (\$2500)
- 1990 Co-PI with H.D. Stekelis and J.W.K. Harris, National Geographic Society project entitled "Etho-Archaeology of Chimpanzees in a Gallery Forest, Eastern Zaire" (\$30,000)
- 1989 - 1990 Co-PI, with H.D. Stekelis, Jane Goodall Foundation Project titled "Socio-ecology of Chimpanzees in the Ishasha River Region, Eastern Zaire" (\$8000)
- 1989 Co--PI with J.W.K. Harris and H.D. Stekelis, L.S.B. Leakey Foundation project titled "Socio-ecology of Chimpanzees in Eastern Zaire" (\$10,000)
- 1986-1988 Research Scientist on National Science Foundation (NSF) Project entitled "Paleoanthropological Investigation of the Semliki Valley, Zaire" (N. Boaz, J.W.K. Harris, A. Brooks, Co-Principal Investigators) (\$250,000)
- 1980 Research Scientist, National Science Foundation "Koobi Fora Archaeological Research Project" (G. L.I. Isaac, Principal Investigator) (dissertation support \$8000)
- 1980 L.S.B. Leakey Foundation, Grant supporting dissertation research (\$1500)
- 1980 Boise Fund, Oxford, Grant supporting dissertation research (\$1000)

Internal Grants:

- 2009 Indiana University, College Arts & Humanities Institute (CAHI) Travel Research Grant of for project "Discerning humanity: the scientific legacy of Glynn Isaac" (\$6000)
- 1998 Indiana University Instructional Technology Summer 1998 Fellowship "Digital Digging: Collaborative Problem-solving with Internet-based Archaeology Tools." (\$6000)
- 1993 Indiana University Program for Information Technology Grant "Anthropology Classroom Portable Presentation Technology" (\$12,000)
- 1993 Indiana University College of Arts & Sciences Topics Course Development Grant "Reconstructing Human Origins" (\$1500)

- 1992 Indiana University Instructional Technology Summer Fellowship "Problem-Solving in Paleoanthropology: software development for anthropology courses in the archaeology of human origins." (\$5000)
- 1989 Indiana University, Research and Graduate Development Faculty Research Grant, project titled "Ethno-archaeology of Chimpanzees in the Ishasha River Region, Eastern Zaire" (\$2000)
- 1989 Indiana University, President's Council on the Social Sciences Research Grant, project titled "Chimpanzee Ecology in Eastern Zaire" (\$600)
- 1987 Indiana University, Research and Graduate Development Summer Faculty Fellowship, project titled "Vegetation Studies in the Semliki Valley, Zaire" (\$4500)

Fellowships:

- 2000 Invited Visiting Faculty Fellow, of l'École des Hautes Études en Sciences Sociales, Laboratoire d'Anthropologie Sociale, in Paris France, May-June 2000 (Fellowship FF30,000)
- 1994 Indiana University Research and the University Graduate School Summer Faculty Fellowship for Grant Writing Workshop "Ethnoarchaeological studies of free-ranging chimpanzees " (\$5000)
- 1981 Lowie Endowment Fund, University of California, Berkeley, Grant supporting dissertation research (\$1500)
- 1978-1979 Regent's Fellowship, University of California, Berkeley (\$8500)

Research Publications (* peer-reviewed):

- In prep. *Discerning Humanity: The scientific legacy of Glynn Isaac* (book, in preparation)
- In prep. (with Jeremy Borniger, Cameron Griffith, Byron Long) "Running on empty? Evaluating alternative hominin energetics models using an agent-based simulation.
- In press* Sept, J. "Plants and Proto-People: paleobotanical reconstruction and modeling early hominin ecology" in *Early Hominin Paleoecology* edited by Matt Sponheimer and Kaye E. Reed, University of Colorado Press, publication expected April 2012
- 2011 Co-Editor (with David Pilbeam) of a 16 chapter commemorative volume *Casting the Net Wide. Papers in Honor of Glynn Isaac and His Approach to Human Origins Research*. American School of Prehistoric Research monograph. Cambridge, MA. Oxbow Books.

- 2011 Sept, J. "A worm's eye view of primate behavior" prepared as a chapter for the volume Co-Editor (with David Pilbeam) of a commemorative volume *Casting the Net Wide. Papers in Honor of Glynn Isaac and His Approach to Human Origins Research*. American School of Prehistoric Research monograph. Cambridge, MA pp 169-192.
- 2011 Sept, J. "Glynn Isaac" pp 359-360 in *The Wiley-Blackwell Encyclopedia of Human Evolution*. 1st Edition. Edited by Bernard Wood. Wiley-Blackwell. Oxford, England.
- 2010 Sept, J. "Book Review: The Evolution of Hominin Diets, Integrating Approaches to the Study of Palaeolithic Subsistence" *A.J.P.A.* 143 (4): 648-649.
- 2010* Griffith, C.S., Long, B., Sept J. HOMINIDS: An agent-based spatial simulation model to evaluate behavioral patterns of early Pleistocene hominids. *Ecological Modeling* 221: 738-760
- 2007* Sept, J. "Modeling the significance of paleoenvironmental context for early hominin diets". pp 289-307 in *Evolution of the Human Diet. The Known, the Unknown and the Unknowable (Human Evolution Series)*. Edited by Peter S. Ungar, Oxford University Press, Oxford.
- 2005 Janssen, M.A., Sept, J. Griffith, C. Foraging of *Homo ergaster* and *Australopithecus boisei* in East African Environments. Proceedings of the NAACSOS *Center for Computational Analysis of Social and Organizational Systems* conference
http://www.casos.cs.cmu.edu/events/conferences/2005/conference_papers.php
- 2002 Sept, J.M. "Chimpanzees on the edge: the implications of chimpanzee ecology in 'savanna' landscapes for hominid evolution" Pp 51-67 in *Primates: Evolucion, Cultura Y Diversidad. Homenaje a Jordi Sabater Pi* Universidad Internacional Menéndez Pelayo, Valencia, Edited by Jorge Martinez Contreras and Joaquim J. Vèa, Lombardo Vicente Toledano
- 2001* Sept, J. M. "Modeling the edible landscape." Invited paper for *Meat Eating and Human Evolution* edited by C.B. Stanford and H.T. Bunn, pp 73-98, Oxford U.P.
- 1999* Schoeninger, M.J., J. Moore and J.M. Sept Subsistence strategies of two "savanna" chimpanzee populations: the stable isotope evidence. *American Journal of Primatology* 49: 274-314.
- 1998* Sept, J.M. Shadows on a changing landscape: comparing refuging patterns of hominids and chimpanzees since the last common ancestor" *American Journal of Primatology* 46(1): 85-101.
- 1995 Sept, J.M. "Comment on 'Savanna ecology and natural bone deposition. Implications for early hominid site formation, hunting, and scavenging'" *Current Anthropology* 36(2): 252-253.
- 1994* Sept, J.M. Beyond bones: archaeological sites, early hominid subsistence, and the costs and benefits of exploiting wild plant foods in east African riverine landscapes. *Journal of Human Evolution* 27: 295-320.

- 1994* Sept, J.M. Bone distribution in a semi-arid chimpanzee habitat in eastern Zaire: implications for the interpretation of east African faunal assemblages. *Journal of Archaeological Science* 21:217-235..
- 1994* Sept, J.M. and G. Brooks Reports of chimpanzee natural history, including tool-use, in 16th and 17th century Sierra Leone. *International Journal of Primatology*. 15(6):867-878.
- 1993 Sept, J.M. "Comment on 'The structure of the lower Pleistocene archaeological record: a case study from the Koobi Fora Formation in northern Kenya" *Current Anthropology* 34(3): 218-219.
- 1992* Sept, J.M. Was there no place like home? A new perspective on early hominid archaeological sites from the mapping of chimpanzee nests. *Current Anthropology* 33(2):187-207.
- 1992* Sept, J.M. Archaeological evidence and ecological perspectives for reconstructing early hominid subsistence strategies. In *Archaeological Method and Theory* Volume 4: 1-56 M.B. Schiffer (ed) U. Arizona Press.
- 1992 Sept, J.M., H.D. Steklis and M. Kakira "Ishasha River Project: site update." *Abstract* of poster, Chicago Academy of Sciences Symposium "Understanding Chimpanzees: diversity and survival" *Bulletin of the Chicago Academy of Sciences* 15 (1): 41.
- 1992 Sept, J.M. with H.D. Steklis, J.W.K. Harris and S. Cachel "Ethoarchaeological investigations of chimpanzees in a gallery forest in eastern Zaire" Research Report submitted to National Geographic Society (1992).
- 1990* Sept, J.M. Vegetation studies in the Semliki Valley, Zaire, as a guide to paleo-anthropological research. *Virginia Museum of Natural History Memoir* No 1: 95-124.
- 1988 Isaac, G. LI. and J.M. Sept "Long-term history of human diet". in *The Eating Disorders: Medical and Psychological Bases of Diagnosis and Treatment*. B.J. Blinder *et al.* Eds. Spectrum Medical Books, NY pp 29-37.
- 1986* Sept J.M. Plant foods and human evolution at site FxJj50, Koobi Fora. *Journal of Human Evolution* 15(8): 751-770.
- 1985 Sept, J.M. Vegetation and wild food potential in the vicinity of archaeological sites in the Lakes Province, Southern Sudan. *Azania* 20: 153-160.

Teaching & Learning Publications

- 2004* Sept, J.M. "The Stone Age in the Information Age: Helping undergraduates think like archaeologists." Pp 47-80 in *The Scholarship of Teaching and Learning in Post-Secondary Education: the Contribution of Research Universities*, edited by Moya L. Andrews and William E. Becker Indiana University Press

- 2002 Sept, J.M. "Investigating Olduvai" in *Wayfarer: Charting New Advances in Social Science Computing*. Orville Vernon Burton, Terrence Finnegan and David Herr, Eds. University of Illinois Press. Champagne, Urbana Illinois
- 2000 Sept, J. M. "Digital digging: a problem-based approach to undergraduate education in archaeology" in *Computer-Enhanced Learning: Vignettes of Best Practices*. David Brown, Ed, Wake Forest University
- 1999 "Where Was Home?" *CALLIOPE Magazine*, September 1999.
- 1998* Sept, J.M. "Engaging students in prehistoric problem-solving: the development of *Investigating Olduvai Archaeology of human origins CD-ROM*" pp 108-112 in *Enhancements: How Using Technology Changes What Faculty Do* Indiana Higher Education Telecommunications System, Indianapolis (URL: http://www.ihets.org/distance_ed/fdpapers/1998/33.html)
- 1997* Sept, J.M. *Investigating Olduvai. Archaeology of Human Origins CD-ROM* (Director 2) MacIntosh and Windows: Indiana University Press
- 1997 Sept, J.M. "The Stone Age Meets the Information Age" H-Net Envisioning the Future conference, October 1997, Michigan State University (URL: www.h-net.msu.edu/~envision/conference/exhibit/software/)
- 1996 Sept, J. Review of "Hominid Culture in Primate Perspective" Edited by D.Quiatt and J. Itani, University Press of Colorado, 1994, xvii + 391 pp. *Int. Journal of Primatology* 17 (1): 149-151.
- 1996 - 1999 Sept, J.M. "Human Evolution in Africa Web site" <http://www.indiana.edu/~origins/> (reviewed in *Society of American Archaeology Bulletin*, May, 1998)
- 1995 Sept, J.M. "Multimedia educational and communications resources for learning and interacting on the network application areas and projects: Anthropology." in *Broadband Networks for University research and Instruction. New Media Project Workshop Report*. June 1995., p. 20, EDUCOM Networking and Telecommunications Taskforce. EDUCOM.
- 1990 Appleton, Scott, Kappelman, J. and J.M. Sept "Cueva de los Huesos. A Computer Problem in Paleolithic Archaeology." Hypercard MacIntosh Courseware, licensed and distributed by Apple Computers, Inc., Courseware CD-ROM.

Research Presentations and Invited Lectures

- 2009 "In search of our roots: dietary debates and human evolution." Featured speaker at the SAR (School for Advanced Research) Public Lecture Series on the "Anthropology of Food", Santa Fe, New Mexico. April 9, 2009.
- 2009 "The origins of home – a perspective from primatology and paleoanthropology" Invited speaker at symposium "Home, settlement and dwelling: temporal

perspectives” sponsored by the Department of Archaeology and the Institute of Advanced Study, Durham University, U.K. March 14, 2009.

- 2008 “Raymonde Bonnefille’s lasting impact on human origins archaeology in East Africa” Invited talk for a symposium honoring the retirement of Raymonde Bonnefille from CEREGE (Centre Européen de Recherche et d’Enseignement des Géosciences de l’Environnement”, Aix en Provence, France.
- 2008 with Cameron Griffith and Byron Long. Poster “Agent Based Modeling (ABM) experiments help evaluate hypotheses about niche separation in early Pleistocene hominid species in East Africa” Annual Meeting of the Paleoanthropology Society, Vancouver B.C. March 25-26, 2008.
- 2007 with Cameron Griffith and Byron Long (second author) Poster “Evaluating Plio-Pleistocene Foraging Behavior using Agent Based Modeling (ABM) and Geographic Information Systems (GIS)” 106th Annual Meeting, Nov 28- Dec 2, Washington D.C, American Anthropological Association
- 2007 “Modeling Early hominid diet and subsistence”: Lecture invited for the Smithsonian Lecture Paleoanthropology Seminar Series “Diet and Human Evolution” sponsored by the Smithsonian Institution Human Origins Program and George Washington University Department of Anthropology April 25, 2007
- 2007 “Modeling the subsistence strategies and diet of early hominids in East Africa”: Lecture invited for the Max Planck Institute Human Evolution Seminar series, Leipzig Germany, March 30, 2007
- 2007 with Cameron Griffiths and Byron Long “HOMINIDS: An Agent Based Model of Plio-Pleistocene hominid foraging behavior, Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA2007). Berlin, Germany April 2-4
- 2006 Cameron Griffith, Jeanne Sept, Marco Jansen and Byron Long (second author) poster “Agent-Based Modeling Of Hominid Foraging Behavior” Nov 16, 2006 San Jose CA 105th Annual Meeting, American Anthropological Association
- 2005 with Marco Jansen and Cameron Griffith “Model HOMINIDS: recent advances in an agent-based modeling approach to hominid foraging in a simulated paleoenvironment” 104th Annual Meeting, American Anthropological Association. Washington DC
- 2005 “Savanna chimpanzee study sites: implications for paleobotanical research” Invited workshop Phytoliths in the context of revealing hominid Origins Initiative May 16-17 Aix en Provence, CEREGE, France, organized by Doris Barboni
- 2004 with Marco Jansen and Cameron Griffiths “Agent-based modeling as a tool for understanding paleo-landscape constraints to hominin foraging strategies” invited talk at *Pliocene Hominin Paleoecology Workshop* Oct 1-2, 2004, Boulder Colorado; Organized by Julia Lee-Thorp Kaye Reed Matt Sponheimer Peter Ungar

- 2003 "Modeling Hominid subsistence strategies in paleoenvironmental context" presentation at Evolution of Human Diet Workshop, sponsored by Sloan Foundation, Organizer Peter Ungar, U. Arkansas, Fayetteville, August 2003
- 2002 "Chimpanzee etho-archaeology" Invited talk at the Archaeology Research Facility, University of California, Berkeley, January 2002
- 2001 "Chimpanzees on the edge: the implications of chimpanzee ecology in 'savanna' landscapes for hominid evolution" One of 12 invited talks in the Colloquium "Etologia de primates" Universidad Internacional Menéndez Pelayo, Valencia, Spain, 26-30 June, 2001, organized by Professors Jordi Sabater Pi and Joaquim J. Vèa, Universitat de Barcelona, Spain
- 2000 "Food for thought? Early hominids, plant foods and the omnivore's dilemma" 17 November, 2000: one of 8 invited talks in the Colloquium "Cultural Evolution: from Pan to Homo", the second Colloquia before to "Fifth World Congress of Human Paleontology" (UNESCO International Association for the Study of Human Paleontology, Barcelona 2003), sponsored by the University of Barcelona and the Science Museum of Barcelona, organized by Professor Jordi Serrallonga.
- 2000 3 Graduate seminars Frédéric Joulian "Hominisation et Comportements" l'École des Hautes Études en Sciences Sociales, (Séminaire EHES) Laboratoire d'Anthropologie Sociale, in Paris, France, June 2000.
- 1998 "Plant food foraging and early hominid diet." Invited paper for the conference "The Early Human Diet: the role of meat" organized by H. Bunn and C. Stanford, sponsored by the Wenner Gren Association of Anthropology, Madison WI, October 1998.
- 1998 "Chimpanzee ethoarchaeology as a guide to interpreting the geographic distribution and contents of early hominid archaeological sites" Invited paper presented in a colloquium "Hominid and non-hominid primate behavior and lifestyles" organized by H. Roche for the Dual congress, International Association for the Study of Human Palaeontology, with the International Association of Human Biologists, Johannesburg, 28 June - 4 July 1998.
- 1998 (with M. Schoeninger and J. Moore) "Chimpanzee stable isotope data in hair: diet selectivity and habitat use" Poster presented at the Association of Physical Anthropology annual meetings in Salt Lake City, Utah, April 1998.
- 1996 "Shadows on a changing landscape: Comparing refuging patterns of hominids and chimpanzees since the last common ancestor." Invited lecture at the symposium "Resting and Nesting in Primates: Behavioral Ecology of Inactivity" organized by B.I. Fruth and W.C. McGrew, International Primatological Society and American Society of Primatologists, joint congress, Madison WI, Aug.1996.
- 1994 "Plant food distribution and early hominid landscape archaeology" paper, and Chair of session "Models and Tests of Early Hominid Behavior" at Society of Africanist Archaeologists 12th Biennial Meeting, April. Bloomington IN.

- 1993 (with Schoeninger, M. and Fitzer, P.) "Isotopic evidence for dietary differences among the Ishasha River Primates, Republic of Zaire." Poster presented at the American Association of Physical Anthropology meetings in Toronto, April 1993.
- 1992 "Early hominid landscape archaeology and actualistic research" Paper presented at the American Association of Anthropology meetings in San Francisco, Dec 1992.
- 1991 "Observations of chimpanzees in the Ishasha River Gallery Forest, Eastern Zaire." Poster presented at the Symposium *Understanding Chimpanzees: diversity and survival*, Chicago Academy of Sciences, Dec. 1991.
- 1990 "Chimpanzee research as a guide to understanding early hominid behavior." Invited speaker at Symposium "The Human Career", sponsored by the L.S.B. Leakey Foundation, Rutgers University, October 1990.
- 1990 "Chimpanzee studies and their implications for understanding early hominid ranging patterns." Paper delivered at Symposium "Archaeology and actualistic studies bearing on the behavior of early hominids" organized by J.D. Clark, J.W.K. Harris, Society for Africanist Archaeologists, March 1990, Gainesville, Florida.
- 1990 "Was there no place like home? Chimpanzee research and the archaeology of human origins" Public lecture sponsored by the Archaeological Institute of America, Bloomington IN, Spring 1990.
- 1989 "Scatters and patches: chimpanzee ranging patterns and the interpretation of early archaeological sites in Africa." Invited talk to the Anthropology Department, Rutgers University, Douglass Campus, November 1989.
- (1989) Chair of session "Diet and Food II: cultural implications", Archaeological Congress, Baltimore MD (declined invitation)
- 1986 "Early hominid plant food foraging models." Symposium titled: Glynn Isaac's Legacy: lithic, land-use, dietary and actualistic studies. American Anthropological Assoc. Dec. 1986, Philadelphia
- 1986 Co-Chair and Co-organizer (with J.W.K. Harris and D. Gifford-Gonzalez) of 3-session Symposium "Glynn Isaac's Legacy" (op cit.) AAA Meetings, Philadelphia.
- 1986 "Paleoenvironmental context revisited: plant foods and early hominids in East Africa." Conference entitled: The Longest Record: Conference in Honor of J. Desmond Clark. Berkeley, CA April 12-18, 1986.
- 1986 "Human origins and plant foods: actualistic studies in search of our roots". Public lecture sponsored by the Anthropological Society of Washington, January 1986, Wash D.C.

- 1985 Chair /organizer of Symposium "Getting Food Without Farming;" & presented paper "Eden's Forbidden Fruit? Plant food resources in Arid east African habitats". in Symposium: Getting Food Without Farming: actualistic studies that inform archaeology. Society for American Archaeology Annual Meetings, Denver
- 1984 "Wild plant foods in East Africa and early human evolution." Poster, Gordon Conference on "The Evolution of Human Diet" Oxnard, California. February.
- 1983 "Do we see the forest or the trees? Interpretations of Plio-Pleistocene pollen samples from Koobi Fora, Kenya, in the light of modern botanical survey." Annual Meetings of the Kroeber Anthropological Society, May 1983, Berkeley, CA
- 1982 In search of our roots: a new approach to reconstructing early hominid ecology. Meeting of the Society for Africanist Archaeologists, May 1982 Berkeley, CA.

Teaching/Service Presentations and Invited Lectures

- 2011 "Evolving humanity" Invited presentation at the annual Celebration of Teaching Award Program, IU School of Education April 27 2011.
- 2003 "African Archaeology Database & TimeWeb: a digital learning environment for multi-scale archaeological interpretations" Invited paper for the World Archaeology Congress 5 Archaeology in the Digital Age: Envisioning and embodying the past, hypermedia explorations of archaeology. Washington DC June
- 2003 "Community through Scholarship of Teaching and Learning: defining characteristics and sustaining practices" (with Jennifer Meta Robinson and Whitney Schlegel). Workshop at the American Association for Higher Education AAHE Learning to Change Conference "Good Work in Challenging Times" March 14-17, Washington DC
- 2003 "Finding signs of change: Scholarship of Teaching and Learning at Indiana University, Bloomington" (with Jennifer Meta Robinson and Whitney Schlegel) poster presentation at the Carnegie Academy for the Scholarship of Teaching and Learning CASTL Colloquium on the Scholarship of Teaching and Learning, Washington DC March 13-14, 2003 Washington DC
- 2002 "SOTL Bridges: Engaging Research Faculty in the Interdisciplinary Scholarship of Teaching and Learning" Invited poster (with Craig Nelson, Jennifer Meta Robinson and Whitney Schlegel) American Association of Higher Education AAHE Summer Academy, Mt Snow, Vermont. July 2002.
- 2002 "Successful freshman programs at Indiana University, Bloomington." Invited workshop poster (with Craig Nelson, Jennifer Meta Robinson and Whitney Schlegel) American Association of Higher Education AAHE Summer Academy, Mt Snow, Vermont. July 2002.

- 2000 Visualizing African archaeology with web-based tools" invited paper in session Visualizing Archaeology: Multimedia and the Human Past, Society for American Archaeology Annual Meetings, Philadelphia PA April 2000, organized by J. Kantrell and E. Wattral
- 1999 (with Martin Siegel) "Web-based visualization tools for undergraduate instruction." Invited paper presented at the annual Project Director's Meeting, FIPSE (Fund for the Improvement of Post Secondary Education), Washington DC, October 1999.
- 1999 (with Martin Siegel) "A Web-based learning environment for archaeology students." Paper presented at the joint International Congress of the Association for Computers and the Humanities, and the Association for Literacy and Linguistic computing. June 9-13 1999, University of Virginia, Charlottesville
- 1999 "Digital Digging: archaeological investigations with TimeWeb" Presentation at the Emerging Technologies and Their Impact on Preservice Teacher Education Seminar, Center for Excellence in Education, Indiana University June 1999
- 1998 "The information age meets the stone age: virtual problem solving in the archaeology classroom" Invited speaker at the NSF-sponsored symposium "Anthropology courseware: teaching with electronic media" Annual meeting of the American Anthropological Association, Philadelphia PA, December 2-6, 1998
- 1998 "Explicit strategies for written assignments" presentation to the Freshman Learning Project Workshop, June 1998
- 1998 "Engaging students in prehistoric problem-solving." Invited paper for the IHET conference, November 4-5, 1998, Indiana State University
- 1998 (with K. Murphy) "Prehistoric Puzzles: collaborative problem-solving with Internet-based resources on African Prehistory" Society of Africanist Archaeologists 14th Biennial Conference, Syracuse University, Syracuse NY May 20-24, 1998 ABSTRACT published in *Nyame Akuma* (50): p59.
- 1998 "Prehistoric Puzzles: collaborative problem-solving with Internet-based archaeology tools" Paper presented to the Society for American Archaeology, 63rd Annual meeting, March 25-29, Seattle , Wa.
- 1997 "The Stone Age Meets the Information Age: Engaging Students in Prehistoric Problem Solving" Panel D: The Smart Classroom: Integrating new technology into classroom pedagogy. *H-Net Envisioning the Future: Creating the Classroom of the 21st century*. Sept 25-28, Michigan State University URL: <http://www.h-net.msu.edu/~envision/conference/>
- 1997 (with Peter Kuhlman) "Web-Integrated Science Curricula" sessions at First Annual BioTech Midwestern Web Science Workshop, June 2, 1997, IU (<http://biotech.chem.indiana.edu/conference>)
- 1997 "The Stone Age Meets the Information Age" Keynote Address: University of Louisville, Multimedia Week. Feb 27, Louisville, Kentucky

Field and Laboratory Research Projects:

- 2005-current Simulation of early hominin foraging behavior using Agent Based Modeling (Java code) running on IU's BIG RED computing cluster (with C. Griffith, B. Long)
- 2001-2003 "Remote sensing and landscape ethoarchaeology of chimpanzees in Comoé National Park, Côte d'Ivoire" (with F. Joulain) lab and field work.
- 1995-1997 "Chimpanzee resource distribution and ranging patterns in the savanna woodlands of western Tanzania" GIS analysis of field survey data and satellite digital imagery with J. Moore (U.C. San Diego)
- 1993 Chimpanzee ecological survey in Ugalla region of western Tanzania (June-July) with J. Moore (U.C. San Diego)
- 1989,1990 Chimpanzee etho-archaeology and ecology in eastern Zaire, Ishasha River (June-August) (Co-P.I.with H.D. Steklis)
- 1986,1988 Vegetation survey, ethnobotany and actualistic foraging studies with the Semliki Research Project, eastern Zaire, Semliki River
- 1984 Nutritional analysis of wild plant foods collected in eastern Africa, in Peabody Museum Nutrition Chemistry Lab, Harvard Univ. with M. Leighton and D. Marks
- 1981-1982 Vegetation survey and actualistic foraging studies in Kenya (dissertation research), National Museums of Kenya
- 1981 Archaeological excavation of Iron Age sites, and botanical collection in the southern Sudan, with P. Robertshaw, British Institute of East Africa
- 1979 Archaeological excavation of Middle Stone Age and Later Stone Age sites: Boomplaas, South Africa, with H. Deacon, University of Stellenbosch; and sites near Elands Bay, South Africa, with J. Parkington, University of Cape Town
- 1978-1979 Archaeological excavation and survey of Early Stone Age sites at Koobi Fora, Kenya with G.L.I. Isaac and the National Museums of Kenya (2 seasons)
- 1979 Pollen analysis of modern and Plio-Pleistocene sediment samples from Kenya, in the Laboratoire de Geologie du Quaternaire, C.N.R.S., Marseille, France, with R. Bonnefille
- 1976 Archaeological excavation of Middle Paleolithic site (Abri Vaufrey), France, with J.P. Rigaud, University of Bordeaux

Courses Taught:

Introductory:

Human Origins and Prehistory; Introduction to Archaeology; Life in the Stone Age; Freshman Seminar: Diet and Human Evolution

Advanced:

Prehistoric Diet and Nutrition; Earlier Prehistory of Africa; Prehistory of Europe and Asia; Hominid Paleobiology (with D. Pilbeam, Harvard); Savanna Ecology and Human Evolution, (Koobi Fora Field School Kenya); Multi-media Authoring in Archaeology: Africa's Past (MACTiA lab, Anthropology Dept. UC Berkeley).

Graduate Seminars:

Teaching Internship for Anthropology Graduate Student Associate Instructors; Analogs and Arguments: Models in Human Evolution; Archaeological Evidence for Early Hominid Behavior; Paleoenvironments and Human Evolution; African Prehistory; Ethnoarchaeology; African Prehistory in Ethnohistoric Perspective (IU, African Studies), Exploring emerging technologies in education (IU African Studies)

Teaching Awards & Recognition:

- 2002 Invited to teach two courses as Visiting Professor for spring semester 2002 at the University of California at Berkeley
- 2000 Invited to join the Apple Distinguished Educator program of Apple Computer (declined)
- 2000 Teaching Excellence Recognition Award (TERA), IU Anthropology Dept. (\$1000)
- 1998 "Digital stones and bones of contention: virtual problem-solving in the archaeology classroom" Invited speaker at the conference "Steering the Bandwagon: utilizing new media for course development and support" November 4-5, sponsored by the Indiana Partnership for Statewide Education (IPSE)
- 1997 Teaching Excellence Recognition Award (TERA), IU Anthropology Dept. (\$900)
- 1997 "Technology in the Classroom" Presentation in a Special Faculty Forum; invited by the Dean of the College of Arts and Sciences, Bellarmine College. Louisville KY, Dec 5, 1997 (honorarium)
- 1997 "Digging into Africa's past with digital tools" Invited speaker at conference "Bringing Africa Into the College Classroom" sponsored by the Indiana Consortium for International Programs, October 1997 (honorarium)
- 1997 Dinner speaker invited to present CD-ROM at "Area Librarians in Higher Education: Defining the Future" Workshop, July 18, 1997, Indiana University-Purdue University, Indianapolis (N. Schmidt, organizer)
- 1997 WWW site (www.indiana.edu/~origins/) recognized as one of best sites by *Archaeology* magazine in March/April 1997 issue

- 1997 Keynote Address, University of Louisville Multimedia Week, Instructional Quality Enhancement Program (Honorarium)
- 1997 1 of 5 Faculty mentors chosen to work with graduate students in research seminar L605 Seminar in Education, School of Library and Information Science
- 1996-1997 Chosen as featured "innovative faculty technology user" by IU Office for Information Technology for their study "Teaching with technology at Indiana University: a cross case analysis" (OIT report Jan. 28, 1997)

PhD Dissertation Committees:

- In prep; Patrick Farris "Designing an Anthropology Curriculum for the Virginia State Community College System"
- In prep; August Costa "The Paleolithic of Coastal Western India: establishing evidence of modernity" (Chair) Passed PhD qualifying exam November 2008.
- In prep; Shawn Hurst "Evolution of the Hominoid orbital frontal cortex" Passed PhD qualifying exam May 2011
- In prep; David Samson "Great Ape Sleep Architecture: Testing the Function of Sleeping Behavior in the Hominidae" Passed PhD qualifying exam April 2010
- 2002 Kris Carlson PhD Indiana University "Biomechanical analysis of hominoid limbs"
- 2001 Leslie Bush, PhD Indiana University "Boundary Conditions: studies in the foodways of late prehistoric people in central Indiana"
- 1999 Eduardo Neves , PhD Indiana University "An archaeological survey of the middle Uapes Basin in the Brazilian northwest Amazon"
- 1996 Kimmarie Murphy, PhD Indiana University
"The skeletal elements of the Iron Age in central and southern Africa: a bioarchaeological approach to the reconstruction of prehistoric subsistence"
- 1996 Mohammed Sahnouni, PhD Indiana University
"Archaeological investigations at the Lower Palaeolithic site of Ain Hanech, Algeria, and their behavioral implications"
- 1996 Dong Zhuan, PhD Indiana University
"Looking into Peking Man's subsistence -- a taphonomic analysis of the Middle Pleistocene Homo erectus site in China"
- 1995 Kathryn Propst, PhD Indiana University
"Enamel microstructure, function and phylogeny in Marmosets and Tamarins (Callitricidae, Primates)"
- 1994 Bruce Hardy, PhD 1994, Indiana University

"Investigations of stone tools function through use-wear residue and DNA analyses at the Middle Paleolithic site of La Quina, France"

1992 Ellen Sieber, PhD Indiana University
"Iron Age Archaeology in Kano State, Nigeria"

1991 Kathy Lebo, PhD Indiana University
"Anasazi Harvests: agroclimate, harvest variability, and agricultural strategies on prehistoric Black Mesa, northeastern Arizona"

Graduate Research Advisor:

current Alicia Rich

2007 Gil Ramos, Tadesos Assebework (M.A.)

2001 C. Bolton M.A., Indiana University (M.A.), C. Cordero (M.A.)

1993 Sibanyama Mudenda M.A., Indiana University

Current Departmental Service:

2010-2011 Executive Committee, Graduate Admissions Committee, co-Chair (spring 2011) and Chair (fall 2011), AI Awards Committee,

National Service:

2001-2004 Advisory Board Member "Renewing the Undergraduate Archaeology Curriculum" NSF EHR 0088692 (\$499,845) K.A. Pyburn, P.I.

1998 External Review Committee Member, Anthropology Dept., SUNY, Stony Brook

1998 NEH Grant Review Panel, and NEH/MCI "EdSITEment" Review Panel
http://edsitement.neh.gov/info/about_selection_peer.htm

1995 EDUCOM Networking and Telecommunications Task Force (NTTF)
New Media Project: MERLIN (Multimedia Educational -- and Communication -- Resources for Learning and Interacting on the Network)

Reviewer:

Professional Journals

American Anthropologist, Current Anthropology, Evolutionary Anthropology, International Journal of Primatology, Journal of Anthropological Archaeology, Journal of Archaeological Science, Journal of Human Evolution, National Geographic Research

Granting Agencies

National Endowment for the Humanities, National Science Foundation, L.S.B. Leakey Foundation, Wenner-Gren Foundation for Anthropological Research

University Service: (selected non-administrative examples)

- 2011-2013 Campus Sustainability Advisory Board Member and Co-Chair of the Food Working Group (with Sandra Fowler)
- 2007-2010 Board of Governors, Kinsey Institute for Research on Sex, Gender and Reproduction, Indiana University
- 2001-2002 Member of Distributed Education Committee, Bloomington Faculty Council
- 2001 Chair of Teaching and Learning Information Task Force, Office of the Vice President for Information Technology, and member of University Information Technology Committee
- 2001 Anthropology Department Executive Committee
- 2000-2003 Award Committee of AMERITECH teaching fellowships
- 2000-2003 Associate Dean of the Faculties, supervising campus Scholarship of Teaching and Learning initiative and Course Portfolio Peer Review of Teaching Project (Pew Charitable Trust, Carnegie Foundation and AAHE)
- 1998-2003 Advisory Council, Scholarship of Teaching Initiative, Office of the Dean of Faculties
- 1999-2000 Executive Committee Member (undergraduate affairs), African Studies Program
- 1997-current Scientific Advisory Board Member, Center for the Study of Institutions, Population and Environmental Change (CIPEC)
- 1997 - 2002 Faculty Search Committees, Center for the Study of Institutions, Population and Environmental Change (CIPEC), 3 positions in Land use anthropology, GIS, Institutional analysis
- 1997-1999 Technology Transfer Advisory Committee (Research & Graduate School)
- 1997 African Studies Program Emerging Technologies Committee (Chair) and African Studies Program Executive Committee
- 1996-1998 Anthropology Department Executive Committee
- 1996-1999 Anthropology Department, Graduate Affairs and Awards Committee
- 1996 Presentation of WWW class use at "Teaching With the Web" Teaching and Learning Technology Lab Faculty Roundtables, September 1996
- 1996 Presentation of instructional technology at "Teaching in New Contexts" conference, sponsored by the Office of Academic Affairs and Lilly Foundation

- 1996-1997 African Studies Technology Committee
- 1996 Presentation of instructional technology to visiting reviewers from the Department of Education Title VI Program, on behalf of African Studies
- 1995 Tenure and Promotion Primary Committee, IUPUI Anthropology Dept. (tenure candidate Anne Pyburn)
- 1995 Selection Committee for Instructional Technology course development grants, IU Office of Academic Affairs
- 1994-1995 Technology Transfer Office Advisory Committee (IU Foundation)
- 1993-1995 Classroom Instructional Technology Advisory Committee (College of Arts and Sciences)
- 1994-1995 Anthropology Graduate Affairs Committee, Equipment and Technology Committee
- 1988-1993 Anthropology Dept. Graduate Admissions and Awards Committee, Chair 1992-93

University Service:

Dean of Faculties, Vice Provost for Academic Affairs 2004-2008

Selected Examples of Administrative Responsibilities

Responsibility Center with 160 staff and annual base budget of \$9.5 million.

Dean of Faculties:

Academic Appointments, Records, Policies and Procedures:

- Publication, oversight and interpretation of academic policies (Academic Guide)
- Development and maintenance of academic appointment records, HRMS, and IUIE (data warehouse)
- Oversight of recruitment, hiring, leaves, promotion and tenure for campus

Faculty Development and Mentoring Programs:

- Orientation and mentoring for new faculty, promotion & tenure workshops for faculty, leadership development workshops for chairs, Emeriti House
- Mediation and oversight for faculty and student grievances
- Faculty surveys
- Grants and awards (Patten lectures, Horizons of Knowledge, Chancellor's Professorships, Tracy Sonneborn Award, Distinguished Service Award, Multi-disciplinary Ventures Grant, Summer Instructional Fellowships)

Faculty Recognition Receptions & Special Campus Events (on behalf of Provost):

- Retiring Faculty, Promoted & Tenured Faculty, etc
- Rapid response campus events (e.g., "Learning from Disaster" panel discussion series)

Campus Curricular Oversight

- Management of articulation and transfer agreements, master course inventory, course remonstrance; Campus Curriculum Committee, General Education Committee
- Oversee new degree proposals for campus (represent IUB on Academic Leadership Council; presentations to Trustees and to Indiana Commission of Higher Education)

Vice Provost for Academic Affairs:

Instructional Support Services & Extended Programs

- Scholarship of Teaching and Learning Programs for Faculty and Graduate Students
- Early Experience Programming: Advance College Project, Intensive Freshman Seminars, Freshman Interest Groups, Freshman Learning Project
- Instructional Consulting: Writing Services, Service Learning, BEST
- Publications (*T&L Magazine*, AI Training, etc) & Workshops
- Campus support for marketing and coordination of summer sessions
- Campus Division of Continuing Studies (support for General Studies students)
- Leadership Bloomington, Mini University, University Division
- Advising & career guidance, Student Academic Centers

2008 Special Projects for Provost and President:

- Campus Coordinator and liaison for IUB campus re-accreditation with Higher Learning Commission, North Central Association (10 year renewal), including responsibility for planning and preparation of campus self study and supplementary materials in <http://accreditation.indiana.edu>
- Service on Campus Master Planning Committee
- Service on University IT Strategic Planning Committee
- Service on President's task force on Promotion and Tenure Policy

2008 Initiatives:

- Design and implementation of electronic, web-based *Faculty Annual Report* system
- Implementation of IUIE Academic upgrade to PeopleSoft 9.0
- Expanded & enhanced promotion & tenure mentoring, chair leadership workshops
- Completed 3 year revision of Indiana University *Academic Handbook*