

Curriculum Vitae

John Kappelman

Address

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Education

Ph.D., 1987, Anthropology and Earth and Planetary Sciences, Harvard University, Cambridge, MA
A.M., 1983, Anthropology, Harvard University, Cambridge, MA
B.S., 1979, Geology and Geophysics, Yale University, New Haven, CT

Professional Experience

Professor, 1997 to present, Department of Anthropology, The University of Texas at Austin (Associate Professor, 1993 to 1997; Assistant Professor, 1988 to 1993);
Professor, 2016 to present, Department of Geological Sciences, The University of Texas at Austin
Assistant Professor, 1986 to 1988, Department of Anthropology, The University of Nevada at Reno.

Grants, Fellowships, and Awards

2017: National Science Foundation. Doctoral Dissertation Improvement Award: The Relationship between Diet Variability and Population Spread. John Kappelman, P.I.; Christopher A. Davis, Doctoral Dissertation Candidate. 1 July 2017 – 31 January 2018. \$17,603.

2017: [Discover](#) magazine, Top 100 Science Breakthroughs of 2016 (Jan/Feb issue): ranked 10th place overall for *Nature* article (see below) for the hypothesis that the famous fossil Lucy died from a fall out of a tree.

2016: National Science Foundation. Collaborative Research: Constraining the temporal evolution of mantle plume contributions to magmatism in the Turkana Depression. J. Kappelman, P.I. 1 August 2016 - 31 July 2019. With Dr. Tyrone Rooney, Michigan State University. UT budget portion: \$99,467.

2015: The Leakey Foundation: Support for Ethiopian Students at Shifra Field School associated with NSF-supported REU grant (below). J. Kappelman, P.I. 15 February 2015 – 30 April 2019. \$6,000.

2015: National Science Foundation: REU Site: Investigating the Behaviors of Middle Stone Age Humans in the Horn of Africa. J. Kappelman, P.I. 15 February 2015 – 30 April 2019. \$372,998.

2015: The University of Texas at Austin, Special Research Grant: Taphonomic history of the *Homo erectus* site at Trinil, Java. 1 December 2014 – 31 August 2015. \$750

2013: The Leakey Foundation: Taphonomic history of the *Homo erectus* site at Trinil, Java. J. Kappelman, P.I. 1 June 2013 - 31 May 2015. \$8,000.

2012: National Science Foundation: Research Experience for Undergraduates. Blue Highways: Evaluating Middle Stone Age Riverine-Based Foraging, Mobility, and Technology along the Trunk Tributaries of the Blue Nile. For Matthew Neff and Perla Santillan. J. Kappelman, P.I. 1 December 2012 – 30 June 2013. \$9,272.

2012: National Science Foundation: PaleoCore: A Model for Developing Distributed Data Frameworks in SBE and HER. D. Reed, PI, J. Kappelman co-PI. 15 September 2012 - 14 March 2015. \$203,337.

2012: National Science Foundation: Collaborative Research: Non-peridotite melting in plume-influenced extensional environments: lithological heterogeneity of the African superplume and African lithosphere. J. Kappelman, P.I. 1 July 2012 - 30 June 2016. With Dr. Tyrone Rooney, Michigan State University. UT budget portion: \$51,408.

2011: National Science Foundation: Research Experience for Undergraduates. Blue Highways: Evaluating Middle Stone Age Riverine-Based Foraging, Mobility, and Technology along the Trunk Tributaries of the Blue Nile. For Sarah Millonig and Katherine Sayre. J. Kappelman, P.I. 1 December 2011 – 30 June 2012. \$6,800.

2010: *eFossils*: An Interactive Online Community Database for the Study of Human Evolution. The Research and Educational Technology Committee, UT Austin. J. Kappelman, D. Reed, P. Keane, and J. TenBarge, P.I.s. \$108,816.

2010: University Research Institute Faculty Research Award, The University of Texas at Austin (academic year sabbatical).

2010: National Science Foundation: Survey of Hominin-Bearing Sediments in Western Turkey. J. Kappelman, P.I. 1 June 2010 – 31 August 2012. \$24,992.

2009: National Science Foundation: Blue Highways: Evaluating Middle Stone Age Riverine-Based Foraging, Mobility, and Technology along the Trunk Tributaries of the Blue Nile. J. Kappelman, P.I. 1 July 2009 – 30 June 2013. \$329,999.

2009: National Science Foundation: Online Human Skeletal Biology. J. Kappelman, P.I. 1 May 2009 – 30 April 2010. \$149,943.

2008: Information Technology Service, College of Liberal Arts, The University of Texas at Austin. 3-D Printer for Archaeology and Physical Anthropology. J. Kappelman, P.I. \$41,583

2008: Information Technology Service, College of Liberal Arts, The University of Texas at Austin. Migration of www.eSkeleton.org Website to DASE. J. Kappelman, P.I. \$32,343

2007: Information Technology Service, College of Liberal Arts, The University of Texas at Austin. 3-D Printer for Archaeology and Physical Anthropology. J. Kappelman, P.I. \$71,403.

2007: Information Technology Service, College of Liberal Arts, The University of Texas at Austin. Ancient Mesoamerica: a 3-D Perspective. Fred Valdez, PI; John Kappelman, Co-PI. \$53,243.

2006: University Research Institute Research Award, The University of Texas at Austin: Kernet: Excavation of a Middle Pleistocene Acheulean Archaeological Site on Ethiopia's Northwestern Plateau. \$6,000.

2006: L. S. B. Leakey Foundation: Survey of hominin-bearing sediments in western Turkey. J. Kappelman, P.I. \$15,000.

2006: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Interactive Database for Human Evolution. \$38,920.

2005: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Interactive Database for Human Evolution. \$38,636.

2005: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Upgrade of Multimedia Computer Testing Laboratory. \$30,500.

2004: University Research Institute Faculty Research Award, The University of Texas at Austin (academic year sabbatical).

2004: King-Rapoport Scholarship awarded to Ms. Eva Garrett, UT anthropology major. \$2,000, and \$1,000 to adviser. John Kappelman, adviser.

2004: University Cooperative Undergraduate Research Fellowship awarded to Ms. Eva Garrett, UT anthropology major. \$1,000. John Kappelman, adviser.

2004: University Cooperative Undergraduate Research Fellowship awarded to Ms. Ashley Gosselin-Ildari, UT anthropology major. \$1,000. John Kappelman, adviser.

2004: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Digital Data Acquisition and Analysis in Skeletal Biology for Physical Anthropology. \$44,473.

2003: National Science Foundation: www.eSkeleton.org: An Interactive Digital Library of Human and Primate Anatomy. J. Kappelman, P.I. \$398,726, 1 January 2003 – 31 December 2005.

2003: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Digital Data Acquisition and Analysis in Skeletal Biology for Physical Anthropology. \$76,000.

2002: University Cooperative Undergraduate Research Fellowship awarded to Ms. Brenda Santana, UT anthropology major. \$1,000. John Kappelman, adviser.

2002: Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. Physical Anthropology Multimedia Modules. \$66,768.

2002: National Science Foundation: Causes of sexual size dimorphism in primates. J. Kappelman, P.I.; dissertation grant, Mr. Adam Gordon, Ph.D. candidate. \$10,804.

2002: Fellow of the Jacob and Frances Sanger Mossiker Chair in the Humanities, Spring.

2002: University Cooperative Society Subvention Award. Grant to contribute to the publication of *The Miocene Sinap Formation of Central Turkey* (eds. M. Fortelius, J. Kappelman, S. Sen, and R. Bernor), Columbia University Press. \$7,000.

2001: National Science Foundation: Paleontology and Geology of Newly Discovered Oligocene Faunas and Floras in Western Ethiopia. J. Kappelman, P.I. \$300,000.

2001: National Science Foundation: The comparative paleoecology of late Miocene Eurasian Hominoidea based on bovid and equid metapodial functional morphology. J. Kappelman, P.I.; dissertation grant, Mr. Robert Scott, Ph.D. candidate. \$11,979.

2001: National Science Foundation: Perning *Homo erectus* District, East Java-Paleoenvironment and Dating. F. Huffman, P.I.; J. Kappelman, project paleoanthropologist. \$55,533.

2001: A Digital Archive for Physical Anthropology. Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. \$32,000.

2000: A Baboon Dissector. Instructional Technology Service, College of Liberal Arts, The University of Texas at Austin. \$27,000.

1999: L. S. B. Leakey Foundation: Paleontological and Geological Survey of Miocene Sediments in Western Turkey. J. Kappelman, P.I. \$14,400.

1999: L. S. B. Leakey Foundation: Quantitative analysis of three-dimensional trabecular bone structure in strepsirrhines. J. Kappelman, P.I.; dissertation grant, Mr. Timothy Ryan, Ph.D. candidate. \$6,450.

1999: National Science Foundation: The Structure and Function of Trabecular Bone in the Proximal Femur of Strepsirrhine Primates. J. Kappelman, P.I.; dissertation grant, Mr. Timothy Ryan, Ph.D. candidate. \$11,000.

1999: University Research Institute Faculty Research Award, The University of Texas at Austin (academic year sabbatical).

1999: University Research Institute Award, The University of Texas at Austin: Study of Miocene Turkish Faunas. J. Kappelman, P.I. \$500.

1999: National Science Foundation: Research Experience for Undergraduates: Paleontological and Geological Survey Of Tertiary Sediments in Western Ethiopia. J. Kappelman, P.I. \$1,920.

1998: National Science Foundation: Paleontological and Geological Survey Of Tertiary Sediments in Western Ethiopia. J. Kappelman, P.I. \$16,688.

1998: National Science Foundation: Virtual Skeletons in Three Dimensions: The Digital Library as a Platform for Studying Anatomical and Function. J. Kappelman, P.I. \$354,147

1998: National Geographic Society: Paleobiogeography of Old World Faunas: Paleogene Mammals from Turkey. J. Kappelman and M. Maas, Co-P.I.s. \$20,000.

1998: National Science Foundation: Developing Computer-Based Multimedia Examination Formats for the Sciences. J. Kappelman, P.I. \$225,093

1998: National Science Foundation: Research Experience for Undergraduates: Paleontological and Geological Survey Of Tertiary Sediments in Western Ethiopia. J. Kappelman, P.I. \$3,300.

1997: Intel Corporation: Virtual Laboratories and Multimedia Examinations. J. Kappelman, P.I. \$300,000 in computer hardware.

1997: National Science Foundation: Paleontological and Geological Survey Of Tertiary Sediments in Western Ethiopia. J. Kappelman, P.I. \$20,000

1997: National Geographic Society: Paleontological and Geological Survey Of Tertiary Sediments in Western Ethiopia. J. Kappelman, P.I. \$22,000.

1997: National Geographic Society: Paleomagnetics and Paleontology of the Paleogene Kishenehn Formation, Northwestern Montana. M. Dawson, J. Kappelman, and K. Constenius, Co-PIs. \$15,000.

1997: National Science Foundation: Acquisition of a super conducting rock magnetometer. W. Gose, P.I.; J. Kappelman, Co-P.I. \$150,000.

1997: Third place winner: "Computer-based Multimedia Virtual Laboratories and Examinations in Physical Anthropology." Competition for Innovative Instructional Technologies, Center for Instructional Technology, UT Austin.

1996: University Research Institute Research Award, The University of Texas at Austin: Paleontological and Geological Survey of Paleogene and Neogene Sediments in Western Ethiopia. \$4,950.

1996: University of Texas Graduate School Mentoring Fellowship. Full financial support for an entering graduate student in anthropology.

1995: W. M. Keck Foundation: Acquisition of a high-resolution X-ray tomography facility. W. Carlson, P.I.; J. Kappelman and T. Rowe, Co-P.I.s. \$500,000.

1995: National Science Foundation: Acquisition of a high-resolution X-ray tomography facility. W. Carlson, P.I.; J. Kappelman and T. Rowe, Co-P.I.s. \$150,000.

1995: National Geographic Society: Paleobiogeography of Old World Faunas: Early Tertiary Mammals from Turkey. J. Kappelman and M. Maas, Co-P.I.s. \$18,500.

1995: National Science Foundation, Research Experience for Undergraduates: Biochronostratigraphy of the Miocene Sinap Formation, Turkey (J. Kappelman, P.I.). \$3,500.

1995: National Science Foundation, Research Experience for Undergraduates: A laboratory curriculum for physical anthropology on CD ROM (J. Kappelman, P.I.; C. Bramblett, and L. J. Shapiro, Co-P.I.s). \$5,000.

1995: High Performance Computing, The University of Texas: The Evolution of Hominid Bipedal Locomotion: Application of Finite Element Analysis in Biological Systems (J. Kappelman, P.I.). \$10,000.

1995: College of Liberal Arts, The University of Texas at Austin. Digital Renderings and Animations in Anthropology: The Second through Fourth Dimension. (J. Kappelman and S. Wilson, Co-P.I.s). \$32,000.

1994: University Research Institute Faculty Research Award, The University of Texas at Austin (sabbatical).

1994: President's Associates Teaching Excellence Award, The University of Texas at Austin.

1994: National Science Foundation: A laboratory curriculum for physical anthropology on CD ROM (J. Kappelman, P.I.; C. Bramblett, and L. J. Shapiro, Co-P.I.s), 1994-1997. \$196,898.

1994: Tektronix, Inc. Support of the Computer Laboratory in Physical Anthropology (J. Kappelman, P.I.). Color printer with a retail cost of \$7,000.

1993: National Science Foundation: Biochronostratigraphy of the Miocene Sinap Formation, Turkey, 1993-1997 (J. Kappelman, P.I.). \$278,910. EAR-9304302.

1992: Special Merit Recognition Award, Autodesk, Inc. (J. Kappelman, P.I.).

1992: L. S. B. Leakey Foundation: Investigations of the Miocene Sinap Formation, Turkey (J. Kappelman, P.I.). \$12,250.

1992: Autodesk, Inc.: Studies of Anatomical Form and Function: Renderings and Animations in 2D and 3D (J. Kappelman, P.I.). Software in the amount of \$5,000.

1991: L. S. B. Leakey Foundation: Investigations of the Miocene Sinap Formation, Turkey (to Lawrence Martin and John Kappelman, Co-P.I.s). \$9,000.

1991: University Research Institute Award, The University of Texas at Austin: Functional Morphology of the Hominid Knee Joint (J. Kappelman, P.I.). \$2,773.

1991: Apple Computer and Project Quest: Physical Anthropology Hypercard Laboratories for the Macintosh (C. Bramblett, J. Kappelman, and L. Shapiro, Co-P.I.s). Macintosh II computer

1990: University Research Institute Award, The University of Texas at Austin: Short Duration Polarity Events in the Paleomagnetic Record (J. Kappelman, P.I.).

1989: L. S. B. Leakey Foundation: Survey of Lower Indus Basin, Pakistan (returned) (J. Kappelman, P.I.).

1988: Apple Computer and Project Quest: A Program for Paleomagnetics (J. Kappelman, P.I.). Macintosh SE computer (still works!).

1988: University Research Institute Award, The University of Texas at Austin: Paleomagnetics of the Fayum Oligocene, Egypt (J. Kappelman, P.I.).

1987: Fulbright Foundation Award for research in Pakistan (J. Kappelman, P.I.).

1981-1984: National Science Foundation Graduate Fellowship.

1979: Rock Hammer Award for Senior Thesis, Yale Department of Geology and Geophysics, Yale University, New Haven, CT.

Refereed Publications

Submitted. Rasmussen, D. Tab, Anthony R. Frisia, Mercedes Gutierrez, John Kappelman, Ellen R. Miller, Samuel Muteti, Dawn Reynoso, James B. Rossie, Terry L. Spell, Neil Tabor, Elizabeth Gierlowski-Kordesch, Bonnie F. Jacobs, Benson Kyongo, Mathew Macharwas and Francis Muchemi. A new primitive monkey from the earliest Miocene of Kenya. Submitted to *Proceedings of the National Academy of Sciences*.

In revision. Noret, J. R., Jacobs, B. F., Tabor, N. J., Kappelman, J., and Danehy, D. New d13C data from the late Oligocene Chilga region, Ethiopia provide evidence for a closed-canopy tropical forest. *Palaeogeography, Palaeoclimatology, Palaeoecology*.

In revision. Rasmussen, D.T., J. Kappelman, and W.J. Sanders. Late Oligocene hyracoids and artiodactyls of Chilga, Ethiopia. *Journal of Vertebrate Paleontology*.

2018. Rooney, Tyrone O., Susan R. Krans, Daniel Mège, Nicolas Arnaud, Tesfaye Korme, John Kappelman, and Gezahegn Yirgu. Constraining the Magmatic Plumbing System in a Zoned Continental Flood Basalt Province. *Geochemistry, Geophysics, Geosystems*. <https://doi.org/10.1029/2018GC007724>

2018. Kappelman, J. An early hominin arrival in Asia. *Nature* **559**:480-481. [Citation](#).

2018. Krans, S. R., T. O. Rooney, J. Kappelman, G. Yirgu, and D. Ayalew. From initiation to termination: a petrostratigraphic tour of the Ethiopian Low-Ti Flood Basalt Province. *Contrib. Mineral Petrol.* **173**: 37. <https://doi.org/10.1007/s00410-018-1460-7>. [Article](#).

2017. Tesfamichael, T., B. Jacobs, N. Tabor, L. Michel, E. Currano, M. Feseha, R. Barclay, and J. Kappelman. Settling the issue of “decoupling” between atmospheric carbon dioxide and global temperature: $p\text{CO}_2$ reconstructions across the warming Paleogene-Neogene divide. *Geology* doi:10.1130/G39048.1

2017. Rooney, T. O., A. Lavigne, C. Svoboda, G. Girard, G. Yirgu, D. Ayalew, and J. Kappelman. The making of an underplate: Pyroxenites from the Ethiopian lithosphere. *Chemical Geology* **455**: 264-281.

2017. Trestrail, K. R., T. O. Rooney, G. Girard, C. Svoboda, G. Yirgu, D. Ayalew, J. Kappelman. Sub-Continental Lithospheric Mantle Deformation in the Yerer-Tullu Wellel Volcanotectonic Lineament: A Study of Peridotite Xenoliths. *Chemical Geology* **455**: 249-263.

2017. Rooney, T., W. R. Nelson, D. Ayalew, B. Hanan, G. Yirgu, and J. Kappelman. Melting the Lithosphere: metasomes as a source for mantle-derived magmas *Earth and Planetary Science Letters* **461**: 105–118.

2016. Ruff, C. B., Burgess, M. L., Ketcham, R. A., and Kappelman, J. Limb bone structural proportions and locomotor behavior in A.L. 288-1 ("Lucy"). *PLOS ONE* **11(11)**: e0166095. doi:10.1371/journal.pone.0166095

2016. Kappelman, J., R. A. Ketcham, S. Pearce, L. Todd, W. Akins, M. W. Colbert, M. Feseha, J. A. Maisano and A. Witzel. Perimortem fractures in Lucy suggest mortality from fall out of tall tree. *Nature* **537 (7621)**: 503-507 doi:10.1038/nature19332. Published early view 29 August 2016.

2015. Miller, E.R., D.T. Rasmussen, J. Kappelman, A.R. Friscia, S. Muteti, and M. Guttierrez. *Ptolemaia* from West Turkana, Kenya. *Bulletin of the Yale Peabody Museum* (formerly *Postilla*) **56**: 81–88.

2014. Kappelman, J., D. Tewabe, L. Todd, M. Feseha, M. Kay, G. Kocurek, B. Nachman, N. Tabor, and M. Yadeta. Another Unique River: a consideration of some of the characteristics of the trunk tributaries of the Nile River in northwestern Ethiopia in relationship to their aquatic food resources. *Journal of Human Evolution*, 1-15. DOI: 10.1016/j.jhevol.2014.03.008

2010. Sanders, W.J., D.T. Rasmussen, and J. Kappelman. Embrithopoda. IN Werdelin, L., and Sanders, W.J. *Cenozoic Mammals of Africa* (University of California Press, Berkeley, CA), pp. 115-122.

2008. Kappelman, John, Mehmet Cihat Alçıçek, Nizamettin Kazancı, Michael Schultz, Mehmet Özkul, and Şevket Şen. First *Homo erectus* from Turkey and implications for migrations into temperate Eurasia. *American Journal of Physical Anthropology* **135**:110-116. Published online 7 December 2007. DOI 10.1002/ajpa.20739.

2007. Gant, D.G., J. Kappleman, and R.A. Ketcham, Hominoid Enamel and Dentin Volume by Means of HRXCT and 3D Reconstruction. In: 13th International Symposium on Dental Morphology, Ed: Elżbieta Żądzińska, Łódź, Poland.

2007. Gant D.G., Kappleman, J., Ketcham, R.A., Alder, M.E., Deahl, T.H. Three-dimensional reconstruction of enamel thickness and volume in humans and hominoids. *Eur. J. Oral. Sci.* **114 (Suppl. 1)**:1–5.

2007. Behrensmeyer, Anna K., Jay Quade, Thure E. Cerling, John Kappelman, Imran A. Khan, Peter Copeland, Lois Roe, Jason Hicks, Phoebe Stubblefield, Brian J. Willis, Claudio Latorre. The structure and rate of late Miocene expansion of C4 plants: evidence from lateral variation in stable isotopes in paleosols of the Siwalik Group, northern Pakistan. *Geological Society of America Bulletin* **119**: 1486-1505.

2007. Gant, D.G., J. Kappleman, and R.A. Ketcham, HRXCT analysis of hominoid molars: quantitative volumetric analysis and 3D reconstruction of enamel and dentin volumes. In: Dental Perspectives on Human Evolution: State-of-the-Art in Dental Anthropology, Eds: S. Bailey & J.J. Hublin, Vertebrate Paleobiology and Paleoanthropology Series, and the Contributions from the Department of Human Evolution, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany Subseries.

2006: García Massini, J.L., Jacobs, B. F., Pan, A., Tabor, N., Kappelman, J. The occurrence of the fern *Acrostichum* in Oligocene volcanic strata of the northwestern Ethiopian Plateau. *International Journal of Plant Sciences* **167**: 909-918.

2006. Huffman, O. F., Y. Zaim, J. Kappelman, D. R. Ruez, Jr., Y. Rizal, F. Aziz, C. Hertler, J. de Vos. Relocation of the 1936 Mojokerto skull discovery site near Perning, East Java. *Journal of Human Evolution* **50**: 431-451.

2006. Maga, M., J. Kappelman, T. M. Ryan, and R. A. Ketcham. The calcaneal trabecular microarchitecture of the extant large bodied hominoids. *American Journal of Physical Anthropology* **129**: 410-417.

2005. Brown, B., J. Kappelman, and S. Ward. Lots of faces from different places: what craniofacial anatomy does(n't) tell us about hominoid phylogenetics. IN Daniel E. Lieberman, Richard J. Smith, and Jay Kelley (Editors), *Interpreting the Past: Essays on Human, Primate, and Mammal Evolution in Honor of David Pilbeam*. Brill Academic, Publishers, Inc., Boston, pp. 167-188.

2005. Jacobs, B. F., N. Tabor, M. Feseha, A. Pan, J. Kappelman, T. Rasmussen, W. Sanders, M. Weimann, J. Crabaugh, and J. L. Garcia Massini. Oligocene terrestrial strata of northwestern Ethiopia: a preliminary report on paleoenvironments and paleontology. *Palaeontologia Electronica* Article Number: 8.1.25A.
http://palaeo-electronica.org/2005_1/jacobs25/issue1_05.htm

2004. Sanders, W.J., J. Kappelman, and D.T. Rasmussen. New large bodied mammals from the Late Paleogene site of Chilga, Ethiopia. *Acta Palaeon. Polonica* **49** (3):365-393.

2003. Kappelman, J., D. T. Rasmussen, W. J. Sanders, M. Feseha, T. Bown, P. Copeland, J. Crabaugh, J. Fleagle, M. Glantz, A. Gordon, B. Jacobs, M. Maga, K. Muldoon, A. Pan, L. Pyne, B. Richmond, T. Ryan, E. R. Seiffert, S. Sen, L. Todd, M. C. Wiemann & A. Winkler. New Oligocene mammals from Ethiopia and faunal exchange between Afro-Arabia and Eurasia. *Nature* **426**:549-552 () .

2003. M. Fortelius, J. Kappelman, R. Bernor, and S. Sen (eds.). *Geology and Paleontology of the Sinap Formation, Turkey*. 409 pp. New York: Columbia University Press.

2003. Lunkka, J.-P., J. Kappelman, D. Ekart, J. Crabaugh, and P. Gibbard. Geology. In *Geology and Paleontology of the Sinap Formation, Turkey*, ed. M. Fortelius, J. Kappelman, R. Bernor, and S. Sen, pp. 25-40. New York: Columbia University Press.

2003. Kappelman, J., A. Duncan, M. Feseha, J-P Lunkka, D. Ekart, F. McDowell, T. Ryan, and C. C. Swisher III. Chronology. In *Geology and Paleontology of the Sinap Formation, Turkey*, ed. M. Fortelius, J. Kappelman, R. Bernor, and S. Sen, pp. 41-66. New York: Columbia University Press.

2003. Kappelman, J., B. Richmond, E. R. Seiffert, M. Maga, and T. Ryan. Hominoidea (Primates). In *Geology and Paleontology of the Sinap Formation, Turkey*, ed. M. Fortelius, J. Kappelman, R. Bernor, and S. Sen, pp. 90-124. New York: Columbia University Press.

2003. Bernor, R.L., R.S. Scott, M. Fortelius, J. Kappelman and S. Sen. Equidae (Perissodactyla). In *Geology and Paleontology of the Sinap Formation, Turkey*, ed. M. Fortelius, J. Kappelman, R. Bernor, and S. Sen, pp. 220-281. New York: Columbia University Press.

2002. Todd, L., M. Glantz, and J. Kappelman. Chilga Kernet: an Acheulean landscape on Ethiopia's western plateau. *Antiquity* **76**: 611-612.

2002. Fajardo, R.J., T.M. Ryan, and J. Kappelman. Assessing the Accuracy of High-Resolution X-ray Computed Tomography of Primate Trabecular Bone by Comparisons with Histological Sections. *American Journal of Physical Anthropology* **118**: 1-10.

2001. Maas, M. C., J.G.M. Thewissen, S. Sen, N. Kazanci, and J. Kappelman. Enigmatic new ungulates from the early middle Eocene of central Anatolia. *Journal of Vertebrate Paleontology* **21**(3):578-590.

2001. Seiffert, E. S., and J. Kappelman A comparative morphometric analysis of the catarrhine orbital aperture, with implications for catarrhine systematics. *Journal of Human Evolution* **40**:301-318.

1999. Chronology and mammal faunas of the Miocene Sinap Formation, Turkey. IN J. Augusti, L. Rook, and P. Andrews (Eds.), Hominid Evolution and Climatic Change in Europe. (J-P Lunkka, M. Fortelius, J. Kappelman and S. Sen), pp. 238-264. Cambridge University Press, Cambridge.

1999. The paleoenvironment of *Sivapithecus parvada*. *Journal of Human Evolution* **36**:245-274 (R.S. Scott, J. Kappelman, and J. Kelley).

1998. Advances in three-dimensional data acquisition and analysis. IN Primate Locomotion, A. Rosenberger, J. Fleagle, M. McHenry, and E. Strasser (editors), pp. 205-222. Plenum Publishing Corporation.

1998. *Hypsamasia seni* (Mammalia: Embrithopoda) and other mammals from the Eocene Kartal Formation of Turkey. IN Beard, C., and Dawson, M. (Eds.), Dawn of the Age of Mammals in Asia. *Bull. Carnegie Mus. Natural History* **34**:286-297. (M. C. Maas, J.G.M. Thewissen, and J. Kappelman).

1998. Pliocene vertebrate locality of Calta, Ankara, Turkey. 1. Sedimentation and lithostratigraphy. *Geodiversitas* **20**(3): 329-338 (J. P. Lunkka, J. Kappelman, D. Ekart, and S. Sen).

1998. First hominoid from the Miocene of Ethiopia and the evolution of the catarrhine elbow. *American Journal of Physical Anthropology* **105**:257-278 (B. G. Richmond, J. G. Fleagle, J. Kappelman, and C. C. Swisher III).

1997. High resolution computed tomography: a breakthrough technology for earth scientists. *Geotimes* 42:23-27 (T. Rowe, J. Kappelman, W. Carlson, R. Ketcham, and C. Denison).

1997. They might be giants. *Nature* **387**: 126-127.

1997. Evolution of Miocene fluvial environments, eastern Potwar plateau, northern Pakistan. *Sedimentology* **44**:221-251 (I. A. Khan, J. S. Bridge, J. Kappelman, and R. Wilson).

1997. Bovids as indicators of Plio-Pleistocene paleoenvironments in East Africa. *Journal of Human Evolution* **32**:229-256 (J. Kappelman, T. Plummer, L. Bishop, A. Duncan, and S. Appleton). (Website link at <http://www.dla.utexas.edu/depts/anthro/>)

1996. A new early Tertiary mammalian fauna from Turkey and its paleobiogeographic significance. *Journal of Vertebrate Paleontology* **16**:592-595 (J. Kappelman, M. C. Maas, S. Sen, B. Alpagut, M. Fortelius, and J.-P. Lunkka).

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1999. Kappelman, J., A. Duncan, R. Scott, L. Shapiro, C. Bramblett, T. Ryan, E. Seiffert, and G. Weiner. Lab 3: Levers and Limbs: Introduction to Primate Functional Morphology. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., A. Duncan, R. Scott, L. Shapiro, C. Bramblett, T. Ryan, E. Seiffert, and G. Weiner. Lab 4: Primates in Motion. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., C. Kirk, E. Seiffert, L. Shapiro, C. Bramblett, T. Ryan, R. Scott, and G. Weiner. Lab 5: Primate Diets and Feeding Behaviors. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Bramblett, C., R. Scott, G. Weiner, T. Ryan, E. Seiffert, and J. Kappelman. Lab 6: Primate Behavior. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., E. Seiffert, T. Ryan, C. Bramblett, R. Scott, and G. Weiner. Lab 7: Primate Evolution. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., C. Kirk, E. Seiffert, C. Bramblett, T. Ryan, R. Scott, and G. Weiner. Lab 8: The Australopithecines. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., C. Kirk, E. Seiffert, C. Bramblett, T. Ryan, R. Scott, and G. Weiner. Lab 9: The Evolution of Bipedalism. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

1999. Kappelman, J., T. Ryan, C. Bramblett, R. Scott, E. Seiffert, and G. Weiner. Lab 10: Fossil Hominids of the Genus Homo. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Second edition. Wadsworth Publishing Co.

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1999. Seiffert, E.R., J. Kappelman, T.M. Ryan. The nasal fossa of *Rooneyia viejaensis* as revealed by high-resolution X-ray computed tomography. *American Journal of Physical Anthropology* Supp. 28:247.

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<http://www.wfu.edu/~womack/Vignettes/Socsci/KappelmanRev.html>

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1998. *Virtual Laboratories for Physical Anthropology*. J. Kappelman, Editor. Wadsworth Publishing Co.

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1998. Bramblett, C., R. Scott, G. Weiner, T. Ryan, E. Seiffert, and J. Kappelman. Lab 5: Primate Behavior. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Wadsworth Publishing Co.

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1998. Kappelman, J., C. Kirk, E. Seiffert, C. Bramblett, T. Ryan, R. Scott, and G. Weiner. Lab 8: The Evolution of Bipedalism. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Wadsworth Publishing Co.

1998. Kappelman, J., T. Ryan, C. Bramblett, R. Scott, E. Seiffert, and G. Weiner. Lab 9: Fossil Hominids of the Genus Homo. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Wadsworth Publishing Co.

1998. Kappelman, J., R. Scott, C. Bramblett, T. Ryan, E. Seiffert, and G. Weiner. Lab 10: The Origin and Evolution of Modern Humans. IN Kappelman, J. (Ed.), *Virtual Laboratories for Physical Anthropology on CD ROM*. Wadsworth Publishing Co.

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1996. The eyes have it: estimating the body mass of fossil primates from the area of the orbital aperture. *Journal of Vertebrate Paleontology*. 16 (supp. to No.3):44A. Abstract

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1996. Defining Long Bone Curvature with a 3-D Laser Scanner. *American Journal of Physical Anthropology* Supp. 22, 172-173 (L.A. Morf, T.M. Ryan, R.S. Scott, and J. Kappelman). Abstract.

1996 Finite Element Analysis Using a 3-D Laser Scanner. *American Journal of Physical Anthropology* Supp. 22, 206 (T.M. Ryan, R.S. Scott, A. Duncan, J. Kappelman, L. Shapiro, S. Grant, K. Lewis, and R. Stearman). Abstract.

1996 The Paleoenvironment of *Sivapithecus parvada*. *American Journal of Physical Anthropology* Supp. 22, 212 (R.S. Scott, J. Kappelman, and J. Kelley.) Abstract.

1995. Sedimentology and chronology of the vertebrate bearing Miocene Sinap Formation, Central Turkey (J. P. Lunkka, J. Kappelman, D. E. Ekart, M. Fortelius, F. McDowell, S. Sen, and B. Alpagut). *Geological Society of America Abstracts with Programs* 27(6): A-278. Abstract.

1995. Paleomagnetic reversal stratigraphy of the Eocene mammal-bearing Heti Formation, Yuanqu Basin, China (J. Kappelman and W. Gose). *Journal of Vertebrate Paleontology* 15 (Supp. to no. 3):38A. Abstract.

1995. Early Tertiary vertebrates from central Turkey (M. Maas and J. Kappelman). *Journal of Vertebrate Paleontology* 15 (Supp. to no. 3):43A. Abstract.

1995. A laboratory curriculum on CD ROM. (J. Kappelman, C. Bramblett, and L. Shapiro). *American Journal of Physical Anthropology* Supp. 20: 122-123. Abstract.

1994. A biochronostratigraphy of the Sinap Formation, Central Turkey (B. Alpagut, A. Duncan, M. Fortelius, J. Kappelman, and I. Temizsoy). *Journal of Vertebrate Paleontology* 14 (Supplement to 3):14A. Abstract.

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1994. A functional approach to bovid community ecology and paleohabitat reconstruction. (A. Duncan and J. Kappelman). *American Journal of Physical Anthropology* Supp. 18: 83. Abstract.

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1994. Salvage Excavation Report for the Sinap Formation Project Ankara, Turkey 1993. (I. Temizsoy, B. Alpagut, M. Fortelius, and J. Kappelman). T.C. Kültür Bakanlığı Antıtlar ve Müzeler Genel Müdürlüğü. Arastırma Sonucları Toplantısı, pp. 189-199. Ankara.

1994. Survey Report for the Sinap Formation Project (Ankara, Turkey 1993 (B. Alpagut, M. Fortelius, and J. Kappelman). T.C. Kültür Bakanlığı Antıtlar ve Müzeler Genel Müdürlüğü. Arastırma Sonucları Toplantısı, pp. 177-182. Ankara.

1993. A paleomagnetics analysis program for Windows and Macintosh (J. Crow, W. Gose, and J. Kappelman). *Geological Society of America Abstracts with Programs* 25 (6). Abstract.

1993. Miocene Paleosols and Ape Habitats of Pakistan and Kenya G. Retallack, Oxford University Press, Oxford). *American Journal of Physical Anthropology* 92:117-123. Book review.

1993. A digital fossil catalog on CD ROM (J. Kappelman and A. Duncan). *Journal of Vertebrate Paleontology* 13 (Supp. to no 3):43A. Abstract.

1993. Narratives of Human Evolution (M. Landau, Yale University Press, New Haven). *Enthnohistory* 40:355-358. Book review.

1993. Building an evolutionary database using digital imaging and animation software. *American Journal of Physical Anthropology* Supp. 16: 122. Abstract.

1993. Survey Report for the Sinap Formation Project (Ankara, Turkey 1992 (B. Alpagut, M. Fortelius, and J. Kappelman). T.C. Kültür Bakanlığı Antıtlar ve Müzeler Genel Müdürlüğü. Arastırma Sonucları Toplantısı, pp. 237-256. Ankara.

1992. Comparative paleoecology of Paleogene and Neogene mammalian faunas: body-size structure (M. Morgan, C. Badgley, G. Gunnell, P. Gingerich, J. Kappelman, M. Maas, and S. Legendre). *Fifth North American Paleontological Conference, The Paleontological Society Special Publication no. 6:* 216. Abstract.

1992. Curva de los Huesos, A Hypercard Application in Paleoanthropology for the Macintosh (S. Appleton, J. Kappelman, and J. Sept). *Apple Computer Applications Compact Disk* 1992.

1992. If it can be measured it isn't real: techniques and advances in biological anthropology. Book review of New Quantitative Developments in Primatology and Anthropology (*Folia Primatologica* 53:1-248, R. B. Martin, ed.). *American Journal of Primatology* 53:147-150.

1992. Paleontology, stratigraphy, and chronology of the Sinap Formation, Central Turkey (B. Alpagut, M. Fortelius, J. Kappelman, and L. Martin). *Journal of Vertebrate Paleontology* 12(3):15A. Abstract.

1992. Plio-Pleistocene paleoenvironments of Olduvai Gorge and Koobi Fora using bovids as habitat indicators (J. Kappelman, R.S. Appleton, L. Bishop, and T. Plummer). *Journal of Vertebrate Paleontology* 12(3):36A. Abstract.

1992. New low body mass estimates for the largest indricotheres (M. Fortelius and J. Kappelman). *Journal of Vertebrate Paleontology* 12(3):28A. Abstract.

1992. New applications of digital imagery in morphology and vertebrate paleontology (T. Rowe, J. Kappelman, and W. Carlson). *Journal of Vertebrate Paleontology* 12(3):50A. Abstract.

1992. Morphology of the hominoid metatarsophalangeal joint, with reference to *Australopithecus afarensis* (A. S. Duncan, J. Kappelman, and L. J. Shapiro). *American Journal of Physical Anthropology* 88: 269 Abstract.

1992. Three-dimensional input and output of solid models for studies in functional morphology. *American Journal of Physical Anthropology* Supp. 14:97. Abstract.

1992. Survey Results for the Sinap Formation Project (Ankara, Turkey 1991) (B. Alpagut, M. Fortelius, and J. Kappelman). T.C. Kültür Bakanlığı Antitlar ve Müzeler Genel Müdürlüğü. Arastırma Sonuçları Toplantısı, pp. 315-329. Ankara.

1991. Paleomagnetic stratigraphy and age estimates for the Fayum primates. *American Journal of Physical Anthropology* Supp. 12:102-103. Abstract.

1991. Image manipulation, analysis, and mass storage on the microcomputer (Alex Duncan and John Kappelman). *American Journal of Physical Anthropology* Supp. 12:69-70 Abstract.

1991. Survey Results for the Sinap Project, Kazan and Cubuk Provinces, Ankara, Turkey, 1990: Preliminary report on geological and paleomagnetic survey of the Sinap area (J. Kappelman and J. Crabaugh). T.C. Kültür Bakanlığı Antitlar ve Müzeler Genel Müdürlüğü. Arastırma Sonuçları Toplantısı, pp. 339-341. Ankara.

1991. Survey Report of the Sinap Formation Project (Ankara, Turkey) 1991. Report submitted to the L. S. B. Leakey Foundation, Oakland, CA.

1990. Encyclopedia of Human Evolution and Prehistory (I. Tattersall, E. Delson, and J. Van Couvering, eds., Garland Publishing, New York). *American Journal of Human Biology* 2:92-94. Book review.

1990. Evolutionary History of the "Robust" Australopithecines (F. Grine, ed., Aldine de Gruyter, New York). *American Journal of Human Biology* 2:174-176. Book review.

1989. The paleoenvironment of the Chinji Formation. *Journal of Vertebrate Paleontology* 9:28A. Abstract.

1989. The age of *Sivapithecus* from the Chinji Formation of Pakistan. *American Journal of Physical Anthropology* 78:250. Abstract.

1988. A new reconstruction of the paleoenvironment of *Kenyapithecus* at Fort Ternan. *American Journal of Physical Anthropology* 75:229. Abstract.

1985. Climatic change during the Plio-Pleistocene at Olduvai Gorge, Tanzania. *South African Journal of Science* 81:255.

Invited Lectures, Scholarly Papers, and Posters

2018, 27 September. How Lucy lived, and died, and why it matters. Boise State University. Boise, Idaho.

2018, 20 February. How Lucy lived, and died, and why it matters. Retired Physicians of Austin. Austin, Texas.

2017, 2 November. How Lucy died – and why it matters. Iowa State University. Ames, Iowa.

2017, 26 September. The Great Road Trip. Houston Archaeological Society 50th Anniversary Keynote Lecture. Houston, Texas.

2017, 7 June. Solving a Very Old, Very Cold Case? Perimortem fractures in the famous fossil Lucy suggest that a high-energy impact event was responsible for her death. Texas. Keynote Address, Tomography for Scientific Advancement. Austin, Texas.

2017, 5 May. Solving a 3.2 Million Year old Mystery: How did Lucy die? Southern Methodist University. Dallas, Texas.

2017, 20 April. Lucy's knee: evidence of a high-energy dislocative compressive epiphyseal fracture. American Association of Physical Anthropologists. New Orleans, LA.

2017, 6 April. Solving a 3.2 Million Year old Mystery: How did Lucy die? University of Alabama. Tuscaloosa, Alabama.

2017, 27 March. "Solving a 3.2-Million-Year-Old Mystery: How Lucy Died." Hot Science, Cool Talks. Environmental Science Institute, UT Austin. Austin, Texas.
<http://www.esi.utexas.edu/talk/mystery-lucy/>

2017, 9 March. "When Lucy Came Down from the Trees." Town and Gown Club. Austin, Texas.

2017, 9 March. "When Lucy Came Down from the Trees." Lions Club. Austin, Texas.

2016, 18 November. "When Lucy Came Down from the Trees." Keynote address, Texas Association of Biological Anthropologists. Austin, Texas.

2016, 11 November. "When Lucy Came Down from the Trees." Texas State University, San Marcos University. San Marcos, Texas.

2016, 26 October. "How Lucy Died, and Why it Matters." Addis Ababa University and the Authority for Research and Conservation of Cultural Heritage, and the National Museum. Addis Ababa, Ethiopia.

2016, 20 October. "When Lucy Came Down from the Trees." DeFord Lecture Series, Department of Geological Sciences, UT Austin. Austin, Texas.

2016, 5 October. "When Lucy Came Down from the Trees." Lakeway Men's Breakfast Club. Lakeway, Texas.

2016, 3 October. "When Lucy Came Down from the Trees." UT Austin Anthropological Society. Austin, Texas.

2016, 30 September. "How Lucy Came to the Ground." Paleobiology Seminar, Department of Anatomical Sciences, University of New York Stony Brook. Stony Brook, New York.

2016, 27 February. "Virtual Learning: The Classroom of the Next Generation." The Society for Anthropology in Community Colleges, South-Central Division, Houston, TX.

2016, 27 February. "Middle Stone Age NSF Research Experience for Undergraduates." The Society for Anthropology in Community Colleges, South-Central Division, Houston, TX.

2016, 3 January. "The Middle Stone Age in Northwestern Ethiopia." Gondar University, Gondar, Ethiopia.

2015, 17 February. "What's New about Old Bones?" LASA high school brown bag science talk, Austin, Texas.

2014, 27 October. "Middle Stone Age sites at Shifna in the Horn of Africa." Department of Anthropology, Texas State University, San Marcos, Texas.

2014, 23 September. "Out of Africa: modern human origins and migrations." Department of Anthropology, Fort Lewis College, Durango, Colorado.

2014, 15 June. "Middle Stone Age sites at Shifna in the Horn of Africa." Ethiopian National Museum, Addis Ababa, Ethiopia.

2014, 13 May. "Are We There Yet? African Origins and the Human Journey." Houston Society of the Archaeological Institute of America, Houston Texas.

2014, 25 April. "Ages of late Middle Stone Age sites at Shifna in the Horn of Africa." Society for American Archaeology, Austin, TX.

2013, 12 April. "Virtual Laboratories in Biological Anthropology." The Society for Anthropology in Community Colleges, Annual meeting, Austin, TX. Keynote address.

2013, 19 February. "Blue Highways." Paleontological Society of Austin, Austin, TX.

2012, 22 October. "Modern Humans of the Middle Stone Age." University of Texas SAGE Continuing Education Program, Austin, Texas.

2012, 17 October. "Blue Highways: Middle Stone Age Foraging Behaviors along the Blue Nile Tributaries in NW Ethiopia." Get Reel Lecture Series, Houston Community College, Houston, TX.

2012, 17 October. "Virtual Learning." Houston Community College, Houston, TX.

2012, 8 October. "TB or not TB? On the Track of a Modern Killer in Ancient Times." University of Texas SAGE Continuing Education Program, Austin, Texas.

2012, 13 April. "eFossils.org: a collaborative website and community database for the study of human evolution." American Association of Physical Anthropologists, Portland, OR.

2011, 18 November. "Blue Highways: Middle Stone Age Foraging Behaviors along the Blue Nile Tributaries in NW Ethiopia." Department of Anthropology, SUNY Stony Brook, NY.

2011, 18 November. "TB or not TB: A case of *Leptomeningitis tuberculosa* in *Homo erectus* from Kocabas (Turkey)." Department of Anatomical Sciences, SUNY Stony Brook, NY.

2011, 5 November. "www.eFossils.org: a website for the study of human evolution." Texas Biological Anthropologist Consortium, Texas State University, San Marcos, TX.

2011, 6 October. "Blue Highways: Middle Stone Age Foraging Behaviors along the Blue Nile Tributaries in NW Ethiopia." UT Paleo Brown Bag, Department of Geological Sciences, UT Austin.

2011, 10 August. "The First *Homo erectus* from Kocabas, Denizli (Turkey) preserves probable vestiges of *Leptomeningitis tuberculosa*." Zentr. Anatomie, Universitätsmedizin, Göttingen, Germany.

2011, 9 August. "Blue Highways: MSA Foraging Behaviors." East African Association for Palaeoanthropology and Palaeontology, Addis Ababa, Ethiopia.

2011, 15 April. "eSkeletons: a digital library of primate anatomy." Annual meeting of the American Association of Physical Anthropologists, Minneapolis, MN.

2011, 12 April. "MSA Foraging Behaviors along the Blue Nile tributaries in NW Ethiopia." Paleoanthropology Society 2011 Meeting, Minneapolis, MN.

2010, 6 November. "Blue Highways: MSA Foraging Behaviors along the Blue Nile tributaries in NW Ethiopia." Texas Biological Anthropologist Consortium, Baylor University, Waco, TX.

2010, 15 April. "Temperate Migrations: Climatically-mediated movements north (and south again?)" Annual meeting of the American Association of Physical Anthropologists, Albuquerque, NM.

2009, 14 November. eAnthro: online learning in a virtual world. Poster. Texas Biological Anthropologist Consortium, The University of Texas at Austin, Austin, TX.

2009, 19 October. "Blue Highways." Invited speaker at "New Horizons in Science," the national meeting of the Council for the Advancement of Science Writing <http://casw.org/human-origins/new-horizons-science-2009/briefs/blue-highways>

2009, 29 September. "Major Features of Human Evolution: Insights from New Digital Techniques." UT Odyssey, Austin, TX.

2009, 25 September. The eAnthro suite of websites. Liberal Arts ITS Friday Technology Forum, UT Austin.

2009, 30 April. "Meet Lucy." Lecture presented to UT Austin's Class of 1959, Austin, TX.

2009, 31 March. "Major Features of Human Evolution: Insights from New Digital Techniques." UT LAMP, Austin, TX.

2009, 5 February. "TB or not TB: Evidence for One of the Oldest Human Killers in an Ancient Immigrant." The Town and Gown Club, Austin, TX.

2009, 26 January. "Blue Highways: Evaluating Middle Stone Age Foraging Behavior along the Trunk Tributaries of the Blue Nile." Department of Biology, Addis Ababa University, Addis Ababa, Ethiopia.

2008, 15 November. "www.eLucy.org: a website devoted to the study of the most famous fossil on planet Earth." Texas Biological Anthropologist Consortium, College Station, TX.

2008, 30 April. "Migrations and Adaptations of Early *Homo* in Western Turkey." Donald D Harrington Symposium on the Geology of the Aegean. Jackson School of Geological Sciences, The University of Texas at Austin.

2008, 15 April. "The Northward Expansion of early *Homo*: insights offered by a new fossil from Turkey." Department of Anthropology, Baylor University, Waco, Texas.

2008, 25 March. Lucy and the study of human evolution. Walnut Creek Elementary School, Austin, Texas.

2008, 15 February. "www.eLucy.org" Third Friday Technology-Based Learning Gathering, College of Liberal Arts, The University of Texas at Austin.

2008, 4 January. "Tb or not Tb: the case for an infectious disease in *Homo erectus*. Addis Ababa University, Addis Ababa, Ethiopia.

2007, 10 November. "First *Homo erectus* from Turkey and Implications for migrations into Eurasia." Texas Biological Anthropologist Consortium, Austin, TX.

2007, 6 September. "Exhibiting "Lucy": Bones of contention at the Houston Museum of Natural Science." Rice University, Houston, TX.

2006, 17 February. "Physical Anthropology Multimedia Modules." UT's College of Liberal Arts Information Technology Service, Third Friday Lecture Series, Austin, TX.

2005, 16-18 November. "Skeletons for all ages and interests: www.eskeletons.org and www.eforensics.info." NSDL All Projects Meeting, National Science Foundation, Denver, CO.

2005, 21-25 September. "Migrations of Homo through the Crossroads of the Old World." Invited participant, International Travertine Symposium. Pamukkale University, Denizli, Turkey

2005, 16-18 June. "The Chilga Heritage Site." Invited participant, Symposium on Paleoanthropology and Eco-Tourism in Ethiopia, Mekele University, Ethiopia.

2005 9 April. "Heritage Management in Northwestern Ethiopia." Society for Applied Anthropology, Annual Meeting, Santa Fe, NM.

2004, 14-17 November. "www.eskeletons.org/: NSDL All Projects Meeting, National Science Foundation, Chicago, IL.

2004, 8 October. "New discoveries from the Early and Middle Stone Age of Northwestern Ethiopia." Dallas Archaeological Society, Dallas, TX.

2004, 23 April. "Digital applications for teaching physical anthropology." Houston Community College System, Houston, Texas.

2004, 23 April. "Miocene Apes in Central Turkey: Implications for human origins." Houston Community College System, Houston, Texas.

2004, 8 April. "New discoveries from the Early and Middle Stone Age of Northwestern Ethiopia." Travis County Archaeological Society, Austin, TX.

2004, 10 January. "Paleotourism at Chilga." Invited participant, National Symposium on Eco- and Paleotourism in Ethiopia. Afar Depression, Ethiopia.

2003, 4 November. "Bones of Hominids." Houston Museum of Natural Science, Houston, Texas,

2003, 24 April. "Assessment of trabecular architecture parameters of catarrhine calcanei using high-resolution microCT." M. Maga and J. Kappelman. Annual meeting of the American Association of Physical Anthropologists, Tempe, AZ.

2003, 24 April. "The structure of the tibia in bipeds." J. Kappelman, M. Maga, L. Pyne, and T. Ryan. Annual meeting of the American Association of Physical Anthropologists, Tempe, AZ.

2003, 24 April. "3D approach to interpret enamel thickness and volume." D.G. Gant, J. Kappelman, R.A. Ketcham, M.E. Alder, and T.S. Deahl. Annual meeting of the American Association of Physical Anthropologists, Tempe, AZ.

2003, 13 January. "Large Mammals from the Late Oligocene of Ethiopia." J. Kappelman, Muldoon, KM, Rasmussen, DT, and Sanders, W. International Paleoanthropological Conference, Addis Ababa, Ethiopia.

2003, 13 January. "An Archaeological Fieldschool at Chilga." L. Todd, L, Glantz, M, Kappelman, J, and Rasmussen, DT. International Paleoanthropological Conference, Addis Ababa, Ethiopia.

2003, 13 January. "Palaeolithic Archaeology of Northwestern Ethiopia." L. Todd, L, Glantz, M, and Kappelman, J. International Paleoanthropological Conference, Addis Ababa, Ethiopia.

2002, 2-4 December. "www.eskeletons.org/: NSDL All Projects Meeting, National Science Foundation, Washington, DC.

2002, 19 October. "The Virtual Classroom: Integrating the Old and New within a Multimedia, Interactive Learning Environment." J. Kappelman. Invited lecture for the 2002 meeting of the Board of Trustees of the L.S.B. Leakey Foundation, Austin, TX

2002, 17 May. "Miocene Paleoecology and Fossil Apes from Central Anatolia." J. Kappelman. Keynote Address, *First International Symposium of the Faculty of Mines (İstanbul Technical University, İstanbul, Turkey) on Earth Sciences and Engineering*. Istanbul, Turkey.

2001, 30 March "www.eskeletons.org/: A website for the study of human and primate comparative anatomy." American Association of Physical Anthropologists, Kansas City, MO.

2001, 2 March. "Ancestors of Us All: Recent Discoveries in Human Origins and Evolution." Geological Sciences Outreach Lecture Series, College of Natural Sciences, The University of Texas. CD ROM available. See http://www.geo.utexas.edu/outreach/Kappelman_Lecture/kappelman.htm

2000, 12-13 June. "eSkeletons." Kappelman, J., Maga, M., Ryan, T., and Zylstra, M. Digital Libraries Initiative Phase 2 All Projects Meeting, Stratford-upon-Avon, Warwickshire, UK. Presented by A. Gordon.

2000, 4 February. "Vexams: A multimedia evaluation program. University of Colorado at Denver. Invited lecture.

2000, 11 January: "Using Technology with Upper-Division and Graduate Students." Invited speaker, Experienced Faculty Conference, The Center for Teaching Effectiveness, The University of Texas at Austin.

2000, 7 January: "Vexams: A program for delivering interactive, multimedia evaluation." Invited presentation for the Vanderbilt, Northwestern, UT Austin, and Harvard/MIT Bioengineering Educational Technologies Engineering Research Centers Program, Austin, TX.

1999, 5 December. "Virtual skeletons in three dimensions." Kappelman, J., Ryan, T., and Zylstra, M. American Anthropological Association, Philadelphia, PA.

1999, 4 December. "Online Testing: Assessment and evaluation of distance learners." PBS Adult Learning Service. Invited participant. Program broadcast to over 400 colleges and universities.

1999, 18 October. "eSkeletons." Kappelman, J., Maga, M., Ryan, T., and Zylstra, M. National Science Foundation Digital Libraries Initiative Phase 2 All Projects Meeting, Cornell University.

1999, 29 October. "A computer program for delivering virtual multimedia examinations across secure networks and the web." National Association of Biology Teachers, Fort Worth, Texas. Invited speaker.

1999, 27 August. "Virtual Examinations." Center for Instructional Technology Faculty Workshop, The University of Texas at Austin.

1999, 16 June. "Recent Advances in Human Origins Research." UT Xs Alumni Association, Invited Lecture, The University of Texas at Austin.

1999, 23 March. "Virtual Examinations." UT Discovery Learning Project, Invited Lecture, The University of Texas at Austin.

1999, 12 March. "Virtual Examinations." UT Discovery Learning Project, Presentation for Austin Independent School District Science Curriculum Head, Dr. Mary Walker, The University of Texas at Austin.

1999, 6 March. "Virtual Skeletons." UT Interactive Open House, The University of Texas at Austin.

1999, 26 February. "VExams." Center for Instructional Technology, invited Lecture, The University of Texas at Austin.

1998, 4 December. "An Interactive Computer-Based Multimedia Program for Examinations." Invited session participant, "Anthropology Courseware: Teaching with Electronic Media: National meeting of the American Anthropological Association, Philadelphia, PA

1998, 16 October. "Paleontological and Geological Survey for Tertiary Sediments in Western Ethiopia: Results from the First Season of Field Work." Department of Anthropology, The University of California Los Angeles, CA.

1998, 16 October. "Testing on the Fly: A Program for Delivering Virtual Multimedia Examinations." Department of Anthropology, The University of California Los Angeles, CA.

1998, 1 October. "Virtual Multimedia Exams for the Geosciences." Department of Geology and Geophysics, University of Utah, Salt Lake City, Utah.

1998, 30 September. "Lasers, hi res X-ray CT, hard copy output and animations for virtual laboratories, multimedia exams, and research." Society of Vertebrate Paleontology, Snowbird, Utah.

1998, 18 May. "Virtual Laboratories and Multimedia Exams." Chautauqua Teaching Conference, State University of New York, Stony Brook, New York.

1998, 13 February. "Virtual Laboratories and Multimedia Examinations: Learning and Testing on the Fly." Department of Anthropology, New York University, New York.

1998, 12 February. "New Apes from Anatolia: Adaptations and Paleoenvironments in the Late Miocene." Department of Anthropology, Columbia University, New York.

1997, 15 October. "Miocene Hominoids from Africa and Asia: The Search for the Hominid Ancestor." Department of Geology, The University of Nevada - Las Vegas.

1997, 24 April. "A Virtual Multimedia Learning Environment for Physical Anthropology." National Conference on Undergraduate Research, Austin, Texas.

1997, 3 April. "Analysis of the facial anatomy of *Ankarapithecus meteai*." American Association of Physical Anthropologists, St. Louis, Missouri.

1997, 10 March. "Multimedia Examinations." SXSW (South by Southwest) Multimedia Conference, Austin, Texas.

1997, 17 January. "New Late Miocene Hominoids from the Sinap Formation of Turkey." Scott Turner Lecture Series, Department of Geological Sciences, The University of Michigan, Ann Arbor, Michigan.

1997, 17 January. "Virtual Computer-Based Multimedia Exams." Department of Geological Sciences, The University of Michigan, Ann Arbor, Michigan.

1997, 6 January. "Multimedia Examinations: Incorporating Images, Video, Sound, and Animations into a Testing Environment." Experienced Faculty Teaching Seminar, The University of Texas at Austin.

1996, 24 October. "The Chronostratigraphy of Late Miocene Mammalian Evolution in Western Asia." European Science Foundation, Workshop on the Vallesian, Sant Feliu de Guixlos, Spain.

1996, 19 October. "The Eyes Have It: Estimating the body mass of fossil primates from the area of the orbital aperture." Society of Vertebrate Paleontology, New York, New York.

1996, 11 April. "Chronology of Late Miocene hominoids from the Sinap Formation of Turkey." American Association of Physical Anthropologists, Durham, North Carolina.

1996, 12 March. "New Fossil Apes from Turkey." Paleobiology Seminar, State University of New York at Stony Brook, Stony Brook, New York.

1996, 16 February. "Late Miocene Fossil Apes: Geology and Paleontology of the Siwalik Hills." Department of Geology, The University of Houston, Houston, Texas.

1995, 1 November. "Paleomagnetic reversal stratigraphy of the Eocene mammal-bearing Heti Formation, Yuanqu Basin, China." Society of Vertebrate Paleontology, Pittsburgh, Pennsylvania.

1995, 27 March. "Advances in 3-dimensional data acquisition and analysis." Primate Locomotion 1995. Conference sponsored by the National Science Foundation and Wenner-Gren Foundation, Davis, California

1994, 6 December. "Miocene apes and habitat evolution." Finnish Museum of Natural History, Helsinki University, Helsinki, Finland.

1994, 21 October. "A biochronostratigraphy of the Sinap Formation, Central Turkey." October 1994. Society of Vertebrate Paleontology, Seattle, Washington.

1994, 27 May. "Geology and paleontology of the Sinap Formation." Annual meeting of the T.C. Kültür Bakanlığı Antitlar ve Müzeler Genel Müdürlüğü, Ankara, Turkey.

1994, 14 April. "Imaging the Future for the Past." Texas Archeological Research Laboratory and Travis County Archeological Society, Austin Texas, for Texas Archaeology Awareness Week.

1994, 1 April. "A human osteology guide on CD ROM." American Association of Physical Anthropologists, Denver, Colorado.

1994, 1 April. "A functional approach to bovid community ecology and paleohabitat reconstruction." American Association of Physical Anthropologists, Denver, Colorado.

1994, 1 April. "Age of Pliocene and Miocene fossil primates from Fejej, Ethiopia." American Association of Physical Anthropologists, Denver, Colorado.

1993, 27 October. "A paleomagnetics analysis program for Windows and Macintosh." Geological Society of America, Boston, Massachusetts.

1993, 26 October. "The Evolution of Brain and Body Size in the genus *Homo*." Department of Anthropology, Harvard University, Cambridge, Massachusetts.

1993, 26 October. "Computer Applications in Multi-Media." Department of Anthropology, Harvard University, Cambridge, Massachusetts.

1993, 15 October. "A digital fossil catalog on CD ROM." Society of Vertebrate Paleontology, Albuquerque, New Mexico.

1993, 28 May. "Geology and paleontology of the Sinap Formation." Annual meeting of the T.C. Kültür Bakanlığı Antıtlar ve Müzeler Genel Müdürlüğü, Ankara, Turkey.

1993, 23 April. "Computer imaging applications in anthropology: image archiving, animation and multimedia." Texas Archeology Research Laboratory, The University of Texas.

1993, 18 April. "Building an evolutionary database using digital imaging and animation software." Symposium in "Image Acquisition, Analysis and Archiving: New Research Directions in Physical Anthropology," American Association of Physical Anthropologists, Toronto, Canada.

1993, 9 February. "Fossil faunas, habitats and hominoids from the Siwaliks of Pakistan." Paleobiology Seminar Series, Department of Geological Sciences, The University of Texas.

1992, 12 November. "Tracking bovids through the habitats of the past." Paleobiology Seminar, State University of New York, Stony Brook, New York.

1992, 2 November. "Basalt, Basement, and Bones: Explorations with Drill and Hamar in Southern Ethiopia." Soft Rock Seminar, Department of Geological Sciences, The University of Texas at Austin.

1992, 31 October. "Paleontology, stratigraphy, and chronology of the Sinap Formation, Central Turkey." Society of Vertebrate Paleontology, Toronto, Canada.

1992, 15 October. "Tracking the beginning of modern humans: Asian origin, African paradigm?" South Asia Seminar Series, The Center for Asian Studies, The University of Texas.

1992, 27 May. "Geology and paleontology of the Sinap Formation." Annual meeting of the T.C. Kültür Bakanlığı Antıtlar ve Müzeler Genel Müdürlüğü, Ankara, Turkey.

1992, 11 April. "Three-dimensional input and output of solid models for studies in functional morphology." American Association of Physical Anthropologists, Las Vegas, NV.

1992, 10 March. "The Siwaliks of Pakistan: Climates, habitats, and faunas." The Informal Paleobiology Seminar, Department of Geological Sciences, University of Texas at Austin.

1991, 12 September. "The age of the Fayum primates." Soft Rock Seminar, Department of Geological Sciences, University of Texas at Austin.

1991, 23 May. "Paleomagnetics and Time Resolution." Long Records of Land Biotas Workshop, The University of Michigan, Ann Arbor, Michigan.

1991, 6 April. "Paleomagnetic stratigraphy and age estimates for the Fayum primates." American Association of Physical Anthropologists, Milwaukee, Wisconsin.

1991, 4 April. "Image manipulation, analysis, and mass storage on the microcomputer." American Association of Physical Anthropologists, Milwaukee, Wisconsin.

1990, 1 October. "The Geology and Paleontology of the Sinap Formation." Soft Rock Seminar, Department of Geological Sciences, University of Texas at Austin.

1989, 4 November. "The paleoenvironment of the Chinji Formation." Society of Vertebrate Paleontology, Austin, Texas.

1989, 3 October. "The Fossil Apes from South Asia: Geology and Paleontology of the Siwalik Hills." Seminar Series, Department of Geological Sciences, University of Texas at Austin.

1988, 24 March. "The paleoenvironment of *Kenyapithecus* at Fort Ternan." American Association of Physical Anthropologists, Kansas City, Kansas.

1987, 9 July. "The paleohabitat of *Sivapithecus*." Department of Paleontology, National Museum of Kenya, Nairobi.

1986, 25 November. "Sivapithecus from the Siwaliks of Pakistan: New paleomagnetic dates and habitat reconstructions." Department of Geology, The University of California, Davis, California.

1984, 12 September. "Climatic change during the Plio-Pleistocene at Olduvai Gorge, Tanzania." Neogene Palaeoclimate and Evolution, Lamont-Doherty Geological Observatory, Columbia University, Palisades, New York.

Professional Community Service

Reviews of Manuscripts and Grant Proposals

2013-present: Reviewer for *PLOS*.

2012: Panelist, National Science Foundation: Physical Anthropology.

2010: Panelist, National Science Foundation: Physical Anthropology.

2009-present: Reviewer for *Journal of Archaeological Sciences*

2008- present: Reviewer for *Proceedings of the National Academy of Sciences*

2004-present: Manuscript reviewer for *Paleobios*.

2004: External examiner for a Ph.D. dissertation, University of the Punjab, Lahore, Pakistan.

2003-present: Member, sustainability standing committee, National Science Digital Library of the National Science Foundation

2003-present: Research proposal reviewer for National Science Foundation (Divisions of Linguistics and Digital Libraries).

2003-present: Reviewer of prize nominee for The MacArthur Foundation

2003-present: Research proposal reviewer for The Petroleum Research Council.

2003-2006: Associate editor, *Journal of Human Evolution*

2003: Panelist, National Science Foundation: Undergraduate Education.

2000-present: Manuscript reviewer for *National Geographic Magazine*.

1999-present: Manuscript reviewer for *Geological Society of American Bulletin*.

1998-present: Steering Committee Member: Science, Math, Engineering, and Technology Education Digital Library Study, National Science Foundation (Division of Undergraduate Education)

1998-2001: Panelist, National Science Foundation: Physical Anthropology.
 1997-present: Manuscript reviewer for *Science*.
 1997-present: Manuscript reviewer for the *American Journal of Physical Anthropology*.
 1996-present: Manuscript reviewer for *Nature*.
 1996-present: Research proposal reviewer for the National Geographic Society.
 1995-present: Manuscript reviewer for *Evolutionary Anthropology*.
 1995: Review panelist, Division of Undergraduate Education, National Science Foundation.
 1992 to 1995: Associate Editor of *Journal of Human Evolution*.
 1992-present: Research proposal reviewer for Wenner-Gren Foundation for Anthropological Research, Inc.
 1992-present: Research proposal reviewer for National Science Foundation (Divisions of Earth Sciences, Physical Anthropology, and Undergraduate Education).
 1990-present: Manuscript reviewer for *Journal of Human Evolution*.
 1990-present: Research proposal reviewer for L.S.B. Leakey Foundation.

Reviews for tenure and promotion

I have submitted reviews for tenure and promotion to the following universities: University of Minnesota, University of Pennsylvania, Arizona State University, Washington University, Colorado State University, University of Toronto, Northwestern University, UCLA, Indiana University, Texas Tech University, University of Wisconsin, George Washington University, The University at Albany SUNY, and Rutgers University.

Professional Societies

American Association for the Advancement of Science
 American Association of Physical Anthropologists
 Geological Society of America
 Society of Vertebrate Paleontologists
 Society for Applied Anthropology
 The Paleontology Society

Field and Museum Experience

2018: Turkana County, Kenya	2012: NW lowlands, Ethiopia; Western Anatolia, Turkey; West Turkana, Kenya
2017-18: NW lowlands, Ethiopia	2011: Zentr. Anatomie, Universitäts-medizin, Göttingen, Germany
2017: NW Wyoming, Greybull River	2011: National Museum, Addis Ababa, Ethiopia
2016: National Museum, Addis Ababa	2010-11: NW lowlands, Ethiopia
2015-16: NW lowlands, Ethiopia	2010: Western Anatolia, Turkey; NW lowlands, Ethiopia
2015: NW lowlands, Ethiopia	2009: West Turkana, Kenya
2014: National Museum, Addis Ababa	2009: NW lowlands, Ethiopia
2013-14: NW lowlands, Ethiopia	2008: National Museum, Addis Ababa
2013: Naturalis National Museum of Natural History, Leiden, The Netherlands	2008: West Turkana, Kenya

2007: NW lowlands and Western Plateau, Ethiopia (Jan & Dec)	Siwaliks, Pakistan; Yuanqu Basin, China; Manonga Valley, Tanzania
2006: NW lowlands, Ethiopia	
2006: Western Anatolia, Turkey	
2005: Western Anatolia, Turkey	
2004: National Museum, Addis Ababa; Central Plateau, both in Ethiopia	1993: Sinap Formation, Turkey 1992: Sinap Formation, Turkey; Fejej, Ethiopia Siwaliks, Pakistan
2003: Western Plateau, Ethiopia	1991: Sinap Formation, Turkey; Siwaliks, Pakistan
2002: Western Plateau, Ethiopia	1990: Sinap Formation, Turkey; Siwaliks, Pakistan; Huerfano Formation, Colorado
2001: Western Anatolia, Turkey; Eastern Java, Indonesia; Western Plateau, Ethiopia	1989: Sinap Formation, Turkey
1999: Western Plateau, Ethiopia; Kartal Formation, Turkey	1988: Siwaliks, Pakistan; Siwaliks, Nepal
1998: Kishenehn Formation, Northwestern Montana; Western Plateau, Ethiopia	1987: Siwaliks, Pakistan; 1985: Siwaliks, Pakistan; Fayum Depression, Egypt
1997: Western Plateau, Ethiopia	1984: Siwaliks, Pakistan
1996: Yuanqu Basin, China	1983: Siwaliks, Pakistan
1995: Sinap Formation, Turkey; Yuanqu Basin, China	1980: Siwaliks, Pakistan
1994: Sinap Formation, Turkey;	1979: Fayum Depression, Egypt

Department and University Service

2018-2019: research leave

2017-2018: *Department*: Chair, computer committee. *University*: Member, building space committee.

2016-2017: *Department*: Member, Expanded Budget Council. Member *ad hoc* hiring committee.

2015-2016: *Department*: Member, Expanded Budget Council. Chair, Merit Committee. Member, Anthropology Steering Committee

2014-2015: *Department*: Member, Expanded Budget Council. Chair, Merit Committee. Member, Anthropology Steering Committee
University: Member, Research Program Committee. Member, Brain Collection Committee.

2013-2014: *Department*: Member, Expanded Budget Council.
University: Chair, Dean's Review Committee on the Texas Archaeological Research Laboratory

2012-2013: *Department*: Chair, Computer Committee. Member, Expanded Budget Council.
University: Chair, Dean's Review Committee on the Texas Archaeological Research Laboratory; Member, UT Medical School Medical School Curriculum Working Group

2011-2012: *Department*: Chair, Computer Committee. Member, Promotion and Tenure Committee. Physical Anthropology Representative, Course Planning Committee. Member, Expanded Budget Council.

University: Member, Dean's College of Liberal Arts' Academic Planning Advisory Committee; Chair, Dean's Review Committee on the Texas Archaeological Research Laboratory; Member, College of Liberal Arts' Computer Advisory Committee.

2010-2011: *Department:* Member, Promotion & Tenure Committee.

University: Member, Dean's College of Liberal Arts' Academic Planning Advisory Committee. Member, College of Liberal Arts' Computer Advisory Committee.

2009-2010: *Department:* Chair, New Building Committee. Chair, hiring committee in physical anthropology. Member, Anthropology Executive Committee.

University: Member, Dean's College of Liberal Arts' Academic Planning Advisory Committee. Member, College of Liberal Arts' Computer Advisory Committee; Member, University Graduate Student Fellowship Committee.

2008-2009: *Department:* Chair, New Building Committee. Chair, hiring committee in physical anthropology.

University: Member, University Information Technology Advisory Committee (ITAC). Member, College of Liberal Arts' Computer Advisory Committee. Member, College of Liberal Arts' Tenure and Promotion Committee.

2007-2008: *Department:* Member, Executive Committee. Chair, New Building Committee. Chair, ad hoc hiring committee in physical anthropology.

University: Chair, Faculty Council's Faculty Research Policy Committee. Member, Faculty Council's Objectivity in Research Committee. Member, University Information Technology Advisory Committee (ITAC). Member, College of Liberal Arts' Computer Advisory Committee. Member, College of Liberal Arts' Tenure and Promotion Committee.

2006-2007: *Department:* Member, Undergraduate Studies. Member, Physical Anthropology Third Year Review Committee. Chair, New Building Committee.

University: Member, Faculty Council's Faculty Research Policy Committee. Member, University Information Technology Advisory Committee (ITAC). Member, College of Liberal Arts Computer Advisory Committee.

2005-2006: *Department:* GSC Steering Committee; Physical Anthropology Hiring Committee; Coordinator, joint hiring committee between physical anthropology and UT's Population Research Center.

University: Member, President's Information Technology Steering Committee; Member, University Information Technology Advisory Committee (ITAC); member, College of Liberal Arts Computer Advisory Committee.

2004-2005: *Department:* GSC Steering Committee; Physical Anthropology Hiring Committee.

University: Chair, Provost's Technology Enhanced Learning and Distance Education Committee; Member, President's Information Technology Steering Committee; Member, University Information Technology Advisory Committee (ITAC); Proposal Reviewer, Office of the Vice President for Research; College of Liberal Arts Computer Advisory Committee.

2003-2004: *Department:* Chair, Computer Committee; Physical Anthropology Hiring Committee.

University: Chair, Provost's Technology Enhanced Learning and Distance Education Committee; Proposal Reviewer, Office of the Vice President for Research; College of Liberal Arts Computer Advisory Committee;

2002-2003: *Department*: Executive Committee; Chair (fall), Computer Committee.
University: Proposal Reviewer, Office of the Vice President for Research; College of Liberal Arts Computer Advisory Committee;

2001-2002: *Department*: Executive Committee; Computer Committee.
University: Proposal Reviewer, Office of the Vice President for Research; College of Liberal Arts Computer Advisory Committee;

2000-2001: *Department*: Chair, Computer Committee.
University: Proposal Reviewer, Office of the Vice President for Research; Provost's Committee: Technology Enhanced Learning; College of Liberal Arts Computer Advisory Committee; College of Liberal Arts Committee for the Post-Tenure Review; Data Standards Task Force.

1999-2000: *Department*: Executive Committee; Chair, Computer Committee; Space Committee.
University: Proposal Reviewer, Office of the Vice President for Research; Provost's Committee: Technology Enhanced Learning; College of Liberal Arts Computer Advisory Committee; College of Liberal Arts Committee for the Post-Tenure Review; Data Standards Task Force.

1998-1999 *Department*: Executive Committee; Undergraduate Studies Committee; Computer Committee.
University: Proposal Reviewer, Office of the Vice President for Research. Provost's Committee: Technology Enhanced Learning; Search Committee for Dean, College of Liberal Arts; College of Liberal Arts Computer Advisory Committee.

1997-98 *Department*: Graduate Admissions Committee.
University: Steering Committee, Radiocarbon Laboratory; Design Committee; Proposal Reviewer, Office of the Vice President for Research.

1996-97 *Department*: Graduate Admissions Committee; Course and Curriculum Committee.
University: Steering Committee, Radiocarbon Laboratory; Design Committee; Proposal Reviewer, Office of the Vice President for Research.

1995-96 *Department*: Graduate Admissions Committee; Undergraduate Steering Committee.
University: Steering Committee, Radiocarbon Laboratory; New Initiatives in Digital Science Committee (Jerry Bona and Bob Sullivan, Co-Chairs); Grant Management, sub-committee of RISE sub-committee (Randy Ebeling, Chair).

1994-95 *Department*: On leave (University Research Institute Faculty Research Award) with no assigned committee duties.
University, Steering Committee, Radiocarbon Laboratory.

1993-94: *Department*: Graduate Adviser; Graduate Admissions Committee; Undergraduate Steering Committee; Course Committee; Film & Video Purchase Committee; Hiring Committee in Physical Anthropology (Co-Chair).

1992-93: *Department*: Executive Committee; Undergraduate Studies Committee; Film & Video Purchase Committee.

1991-92: *Department*: Chair, Graduate Studies Committee; Executive Committee; Graduate Admissions Committee; Course Committee.

1990-91: *Department*: Chair, Graduate Studies Committee; Executive Committee; Course Committee; Fall Term Undergraduate Advising.

1989-90: *Department*: Graduate Studies Committee; Chair, Computer Committee; Minority Studies Committee; Departmental Directions Committee; Human Subjects Committee; Fall Term Undergraduate Advising.

1988-89: *Department*: Undergraduate Studies Committee; New Building Committee; Colloquia Committee (organizer of Paleoanthropology speaker series).

General Research Interests

The primary focus of my research is hominoid evolution and human origins and evolution, with particular emphasis in paleoecology and functional morphology, and stratigraphy and geochronology. I conduct field and laboratory research in paleontology, stratigraphy, and paleomagnetism, and laboratory research in functional morphology and computer imaging.

Graduate and Post-Graduate Advisees (adviser UT: **bold**; committee member UT: regular text; member of non-UT committee: *italics*)

M.A.: **Scott Appleton, Joy Becker, Naomi Cleghorn, Alex Duncan, Mulugeta Feseha, Adam Gordon, Melissa Halverson, Mathew Kilberger, Murat Maga, David Raichlen, Timothy Ryan, Robert Scott, Erik Seiffert, Phoebe Stubblefield**

Ph.D.: Elizabeth Erhart (1996), *Roberto Fajardo* (SUNY Stony Brook, 2004), **Mulugeta Feseha (2002)**, David Froelich (1997), **Adam Gordon (2004)**, Chris Jass (2007), Murat Maga (2008), **Brett Nachman (continuing)**, George Olds (1992), Pamela Owen (2000), David Raichlen (2004), *Brian Richmond* (SUNY Stony Brook 1998), **Timothy Ryan (2001)**, Gabrielle Russo (2013), *Lillian Spencer* (SUNY Stony Brook, 1998), **Robert Scott (2004)**, Katherine Whitcome (2006), Angel Zeininger (2013).

Graduate Advisors

David Pilbeam (chair), Glynn Isaac (deceased), Noye Johnson (deceased), Raymond Siever (deceased), Peter Williamson (deceased)

Public Outreach

Austin

2018, 3 March: Explore UT. I hosted one events for this public outreach event: *eSkeletons*.

2017, 5 March: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2016, 4 March: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2015, 7 March: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2014, 5 March: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2013, 2 March: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2012, September through October: organized lecture series in physical anthropology for University of Texas SAGE Continuing Education Program, Austin, Texas.

2012: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2011: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.

2011: Mathews Elementary 5th grade science class (Austin Independent School District).
2010: Mathews Elementary School Science Night (Austin Independent School District).
2010: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.
2009, 19 October. "Blue Highways." Invited speaker at "New Horizons in Science," the national meeting of the Council for the Advancement of Science Writing
<http://casw.org/human-origins/new-horizons-science-2009/briefs/blue-highways>
2009, 29 September. "Major Features of Human Evolution: Insights from New Digital Techniques." UT Odyssey, Austin, TX.
2009: Mathews Elementary School Science Night (Austin Independent School District). Presented "I Love Lucy," a presentation for elementary students about the famous early hominin fossil "Lucy." I organized the presentation and this evening program included the participation of four UT graduate students.
2009: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.
2008: Explore UT. I hosted two events for this public outreach event: *eSkeletons*, and *On the Track of Prehistoric Humans*.
2007: Explore UT. I hosted three events for this public outreach event: *eSkeletons*, *A Stroll through Earth History*, and *On the Track of Prehistoric Humans*.
2007: Guest lecture, UT Quest: The Major Features of Human Evolution
2006: Explore UT. I hosted three events for this public outreach event: *eSkeletons*, *A Stroll through Earth History*, and *On the Track of Prehistoric Humans*.
2005: Explore UT. I hosted one event for this public outreach event: *eSkeletons*.
2003-2004: Explore UT. I hosted three events for this public outreach event: *eSkeletons*, *A Stroll through Earth History*, and *On the Track of Prehistoric Humans*.
2000-present: "Bones, Stones, and Fossils." Presentations made to preschools, public schools, and Girl Scouts troops.
1999, 2001: Explore UT. I hosted one event for this public outreach event: *eSkeletons*.

Texas

I consult with Houston Community College System in developing their curriculum in physical anthropology.

I consulted with the Houston Museum of Science on their exhibit of Lucy in the USA.

National

2006-2008: Member, Electorate Nominating Committee of the Anthropology section of American Association for the Advancement of Science

2006-2008: Member, annual meeting program committee of the American Association of Physical Anthropologists

International

2014, May-June: trained 3 Ethiopian students from Addis Ababa University in museum techniques.

2013, January: trained 12 Ethiopian students from Addis Ababa University and Gondar University in archaeological, paleontological and geological field techniques in the field in Ethiopia

2005-present: Member, Advisory Board, Institute of Paleoenvironments, Human Origins, and Cultural Anthropology. Mekelle University, Mekelle, Ethiopia.

Articles or web postings that discuss my teaching and research, or research that I have been interviewed about, can be found in the following publications:

2018. *Discover* magazine special edition: Strange Science: 52 Amazing True Stories, “Lucy’s demise: What killed the famous fossil?” Article discusses the results of the *Nature* article about Lucy. Page 42.
2018. My *Nature* News and Views piece that discusses the discovery of ancient stone tools in China received many interviews in both print and radio. For example, see [The Atlantic](#) [USA Today](#) [BBC News](#) [BBC World Service](#)
2018. The BBC interviewed me about my research on the Middle Stone Age in Ethiopia. See: [BBC Inside Science](#)
2017. The article about Lucy in *Nature* was ranked as the #10 out of the top 100 science articles of 2016 by *Discover Magazine*:
Tarlach, G. 2017. [Did Lucy Fall and Not Get Up?](#)
2016. The article about Lucy in *PLOS ONE* received worldwide attention and a call-out on *Saturday Night Live’s Weekend Update* on 3 December 2016. For example, see:
Klein, J. 2016. *Study Suggests 3.2 Million-Year-Old Lucy Spent a Lot of Time in Trees*. <https://www.nytimes.com/2016/11/30/science/lucy-bones-trees.html>
Netburn, D. *Our ancient relative Lucy spent more time in trees than previously thought*. <http://www.latimes.com/science/sciencenow/la-sci-sn-lucy-bones-trees-20161130-story.html>
Tarlach, G. 2016. *The Latest on Lucy: Early Hominin Spent Serious Time in Trees*. <http://blogs.discovermagazine.com/deadthings/2016/11/30/the%20latest-on-lucy-early-hominin-spent-serious-time-in-trees/#.WIJuoFMrLct>
SNL Weekend Update at 2:00 minutes: <http://www.nbc.com/saturday-night-live/video/weekend-update-on-a-stolen-petsitting-van/3435364>
2016. The article about Lucy in *Nature* received worldwide attention and reached a subscribership of 2.7 billion viewers. For some of the many articles, see:
Zimmer, C. 2016. *A 3.2-Million-Year-Old Mystery: Did Lucy Fall From a Tree?* https://www.nytimes.com/2016/08/30/science/lucy-hominid-fossils-fall.html?_r=0
Feltman, R. 2016. *Lucy, our hominid cousin, may have died in a tragic fall from a tree*. https://www.washingtonpost.com/news/speaking-of-science/wp/2016/08/29/lucy-our-hominid-cousin-may-have-died-in-a-tragic-fall-from-a-tree/?utm_term=.075f1119ea1a
Netburn, D. 2016. *3.2 million years after her death, autopsy reveals Lucy probably died after falling from a tree*. <http://www.latimes.com/science/sciencenow/la-sci-sn-lucy-autopsy-tree-20160829-snap-story.html>
Tarlach, G. 2016. *Lucy’s Demise: What Killed the Most Famous Fossil?* <http://blogs.discovermagazine.com/deadthings/2016/08/29/lucys-demise-what-killed-the-most-famous-fossil/#.WIJXDFMrLcs>
2010. Some perspective on the discovery of a new human relative. *Houston Chronicle*. <http://blog.chron.com/sciguy/2010/03/some-perspective-on-the-discovery-of-a-new-human-relative/>
2009. Droughts gave early humans survival skills for later travels
http://www.sciencenews.org/view/generic/id/48574/title/On_the_Scene_Droughts_gave_early_humans_survival_skills_for_later_travels

2009. The press release, *Famous Fossil Lucy Scanned at The University of Texas at Austin, offers New Insights into Ancient Human Ancestor*, that announced the high resolution CT X-ray scanning of the Lucy fossil, received worldwide attention. For example, see NPR <http://www.npr.org/templates/story/story.php?storyId=100384687>; *Wired* <http://www.wired.com/wiredscience/2009/02/lucy/>; *YouTube* <http://www.youtube.com/watch?v=B76G96upbg8>; and numerous other print and web citations.

2007. Merlot Classics Award winner for outstanding web resource in biology for *eSkeletons* <http://taste.merlot.org/MERLOTAwards/2007awards.html>

2007. The paper, “First *Homo erectus* from Turkey and implications for migrations into temperate Eurasia,” that presented evidence for a 500,000 year old case of Tb received worldwide attention. For example, see *National Geographic News*, *ScienceDaily*, *BBC*, *The New York Times*, and numerous web citations.
http://www.renhaber.com/haberler/Teknoloji.18/Denizli'de_500_Bin_Yillik_Homo_Erectus/4227.html

2007. *National Geographic News* posted my comment about the article “Chimps dig tubers, study finds.” <http://news.nationalgeographic.com/news/2007/11/071113-chimps-tools.html>

2007. Time magazine, my comments about the HMNS Lucy exhibit:
<http://www.time.com/time/health/article/0,8599,1656226,00.html>

2007. Consulted on a Slate article about the Lucy exhibit:
<http://www.slate.com/id/2173463/>

2006. National Geographic News, my comments about the HMNS Lucy exhibit:
http://news.nationalgeographic.com/news/2006/11/061101-lucy-tour_2.html

2005. “Imagine That” radio program interview, 5 May on *eSkeletons*.

2005. National Science Foundation profiled my *eSkeletons* project under “Discoveries” on their newly designed website, and it is only NSF funded project 100% based in Texas to receive this recognition (http://nsf.gov/discoveries/disc_summ.jsp?cntn_id=100547)

2004. The National Science Digital Library (<http://nsdl.org/>) profiled my *eSkeletons* project.

2003. National Science Foundation profiled my project in Ethiopia (<http://www.nsf.gov/od/lpa/news/03/pr03131.htm>).

2003. The publication of “First fossil vertebrates from the Oligocene of Ethiopia” in *Nature* was presented on many websites and newspapers all around the world on 4 December along with a later article in *Discover* magazine (April 2004). Among others see: Harris, R interview on NPR, <http://www.npr.org/features/feature.php?wfId=1534455>; and
http://www.utexas.edu/opa/news/03newsreleases/nr_200312/nr_anthropology031203.html and <http://www.sciam.com/article.cfm?id=ethiopian-fossil-finds-el>
Interviewed on KVUE television (Channel 24, Austin, TX) about Ethiopian fossils on 4 December.

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<http://www.sciencemag.org/cgi/content/full/301/5637/1178?ijkey=qa0RMzJJUfJU>

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<http://www.sciencemag.org/cgi/reprint/299/5604/179d.pdf>

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