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Curriculum Vitae

Jeffrey Kevin McKee

Department of Anthropology
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DEGREES

Ph.D., Anthropology May 1985	Washington University St. Louis, Missouri
A.M., Anthropology May 1982	Washington University St. Louis, Missouri
B.A. <i>cum laude</i> , Anthropology May 1980	Miami University Oxford, Ohio

RESEARCH INTERESTS

Paleoanthropology	Mammalian Paleontology
Evolutionary Theory	Paleoecological Computer Modeling and Simulation
Mammalian Ecology	Population Genetics
Craniofacial Biology	Karst Geology
Human Demography	Primateology
Biodiversity threats	Faith and Science

PROFESSIONAL POSITIONS

- 2004-present Professor, Department of Anthropology, Department of Evolution, Ecology and Organismal Biology, The Ohio State University, Columbus, Ohio.
- 2000-2004 Associate Professor, Department of Anthropology, Department of Evolution, Ecology and Organismal Biology, The Ohio State University, Columbus, Ohio.
- 1999-2000 Adjunct Assistant Professor and Senior Lecturer, Department of Anthropology, The Ohio State University, Columbus, Ohio.
- 1999-2000 Lecturer, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University, Columbus, Ohio.
- 1996-1999 Adjunct Assistant Professor and Lecturer, Department of Anthropology, The Ohio State University, Columbus, Ohio.
- 1986-1996 Senior Lecturer, Department of Anatomy and Human Biology, University of the Witwatersrand Medical School, Johannesburg.
- 1985-1986 Research Program Analyst, Medical Computing Services, Washington University, St. Louis, Missouri.
- 1984-1985 Consulting Specialist, Educational Computing Services, Washington University.
- 1982-1984 Teaching Assistant, Department of Anthropology, Washington University.
- 1981-1984 Computing Applications Consultant, Social Science Computing Facilities, Washington University.

TEACHING EXPERIENCE

Human Gross Anatomy	Comparative Anatomy	Human Evolutionary Anatomy
Primate Anatomy	Functional Anatomy	Primate Ecology
Paleoanthropology	Human Osteology	Research Methods
Human Ecology	Population Genetics	Hominid Paleoecology

FIELD EXPERIENCE

- 1979, 1980 Archaeological surveys (Cultural Resource Management). Ohio, U.S.A.
- 1981 Archaeological surveys (Cultural Resource Management). Missouri.
- 1982 Excavation of human skeletal material, Pit of the Skulls. Mammoth Cave, Kentucky.
- 1988-1996 Field Director & Co-principal Investigator, Excavations of Buxton Limeworks. Taung, Bophuthatswana (South Africa).
- 1993-1996 Director & Principal Investigator, Excavations of Makapansgat Limeworks. Northern Transvaal, South Africa.
- 1999-2001 Co-Principal Investigator, Excavations of Makapansgat Limeworks. Northern Province, South Africa.
- 2002-2006 Principal Investigator, Excavations of Makapansgat Limeworks. Northern Province, South Africa.

UNIVERSITY GOVERNANCE POSITIONS

University of the Witwatersrand

Member, Board of the Faculty of Medicine
Member, Board of the Faculty of Science
Member, University Museums Board of Control
Member, Allied Medical Disciplines Committee
Member, Biological Sciences Committee
Member, Academic Users of the Computer Centre Committee
Deputy Chair, Dean's Advisory Committee on Computing in the Faculty of Medicine
Chair, Medical School Subcommittee, Dean's Advisory Committee on Computing in the Faculty of Medicine
Director, Hunterian Museum

The Ohio State University

Chair, Speakers Committee, Department of Anthropology (2001-2002)
Chair, Graduate Studies Committee, Department of Anthropology (2004-2009)
Chair, Senate Government Affairs Committee (2005-2007)
Chair, Senate Rules Committee (2008-2009)
Chair, Senate Committee on Academic Freedom and Responsibility (2010-2011)
Chair, Committee of Initial Investigation, Office of Research (2010)
Chair, Senate Council on the Physical Environment (2013-2014)
Chair, Public Safety Advisory Committee (2020-2022)
Senator, University Senate (2002-2005, 2006-2009)
Senator, Faculty Senate of the Arts & Sciences (2003-2004)
Member, Senate Diversity Committee (2002-2004)
Member, Senate Government Affairs Committee (2004-2008)
Member, Senate Rules Committee (2007-2010)
Member, Senate Council on the Physical Environment (2012-2015)
Member, ad hoc Faculty Career Enhancement Committee (2004-2005)
Member, Promotion and Tenure Review Committee (Anthropology) (2002-2005)
Member, Promotion and Tenure Committee (SBS) (2003-2005)
Member, Advisory Committee on College Priorities (SBS) (2002-2004)
Faculty advisor, *Anthropology Insider* (2002-2010)
Faculty advisor, Graduate Student Anthropology Association (2005-2010)
Literacy Studies "Executive" Advisory (2007-2010)
Institute for Collaborative Research and Public Humanities, Oversight Committee, (2007-2010)

OTHER PROFESSIONAL SERVICE ACTIVITIES

Editor-in-Chief, *Ohio Journal of Science*, 2015-2017.

Co-editor, *Ohio Journal of Science*, 2013-2015.

Consultant, Taung: Management Plan and Heritage Survey (2003-2004)

Consultant, Taung World Heritage Site Development (2008)

Board of Directors, Sigma Xi, OSU Chapter (2003-2009), Vice President (2004-2005),
President (2005-2006), Past President (2006-2007), Treasurer (2007-2010)

Board Member, & Initial director, Ohio Citizens for Science (2002-2006)

Board Member, Ohio Academy of Science Board of Trustees (2008-2010, 2012-2017)

Honorary Research Associate, Dept. Anatomical Sciences, University of the Witwatersrand (2000-2009)

Leader, Hominid Palaeoecology Research Programme, University of the Witwatersrand (1994-1996)

Vice-President, Executive Comm., Institute for the Study of Man in Africa, Johannesburg (1994-1996)

Collaborator, Palaeo-Anthropology Research Unit, University of the Witwatersrand (1987-1996)

Co-founder and Convener, Thomas Henry Huxley Society for Synapomorphic Symposia (1993-1995)

Scientific Consultant, Taung Heritage Site, Bophuthatswana National Parks Board (1992-1995)

South African Representative, Commission on the Palaeoecology of Early Man,
International Union for Quaternary Research (1996-1997)

Refereed manuscripts for *American Journal of Physical Anthropology*, *Yearbook of Physical Anthropology*, *American Antiquity*, *Biological Conservation*, *Human Ecology*, *Journal of Human Evolution*, *Man*, *Palaeontologia Africana*, *South African Medical Journal*, *South African Journal of Science*, *Journal of Taphonomy*, *Ohio Journal of Science*, *Homo- Journal of Comparative Human Biology*, *Global Change Biology*, *Population and Environment*, *Ecological Indicators*, Rutgers Univ. Press, Oxford Univ. Press, Cambridge University Press, Columbia University Press, Routledge Press, W.W. Norton, Chicago University Press, and Altamira Press, *African Genesis* project.

Reviewed grant proposals for the National Science Foundation, the LSB Leakey Foundation, and the National Research Foundation (South Africa).

GRANTS AND FELLOWSHIPS RECEIVED

NIH Biomedical Research Support Grant (RR-07054), 1982, with S. Molnar. (\$5000)

Centro Studi e Ricerche - Ligabue, grant for Taung excavation, 1989-1991, with P.V. Tobias. (\$70,000)

Foundation for Research Development, stipends, 1990-1992. (R24,000)

Denis Anderson Traveling Fellowship, 1991. (R2400)

International Union for Quaternary Research (INQUA), travel scholarship, 1991. (Sfr1500)

L.S.B. Leakey Foundation, grant for Taung excavation, 1992, with P.V. Tobias. (\$2000)

Foundation for Research Development, Core Programme Rolling Support Grant,
1993-1995. (R30,000 per annum)

University of the Witwatersrand Research Committee Grant, 1994-1996. (R20,000 per annum)

L.S.B. Leakey Foundation, grant for Makapansgat excavation, 1999, with G.C. Conroy and K.L. Kuykendall. (\$16,000)

Ohio State University Seed Grant, for Taung fossil preparation, 2001 (\$16,697)

Established PEER fund (Paleoanthropology and Evolutionary Ecology Research), 2001 (currently \$10,700)

National Science Foundation grant, "Paleoecological and paleoanthropological excavations of *in situ* breccias at Makapansgat, South Africa.", 2002-2006, (\$183,176)

MEMBERSHIPS IN HONORARY ORGANIZATIONS

Phi Beta Kappa

Sigma Xi

Royal Society of South Africa

Fellow, American Association for the Advancement of Science (2009)

Emmy Award winner, The National Academy of Television Arts and Sciences (2016)

Fellow, Ohio Academy of Science (2018)

PROFESSIONAL MEMBERSHIPS

American Association of Physical Anthropologists

American Association for the Advancement of Science

Anatomical Society of Southern Africa

Institute for the Study of Man in Africa

Palaeontological Society of Southern Africa

Southern African Association of Archaeologists

National Center for Science Education

Ohio Academy of Science

Ohio Writers Association

PARTICIPATION IN INTERNATIONAL CONGRESSES

(Titles of papers presented in publications list, pages 11-12)

American Association of Physical Anthropologists

54th Annual Meeting, March 1985, Knoxville, Tennessee, U.S.A.

55th Annual Meeting, March 1986, Albuquerque, New Mexico, U.S.A.

57th Annual Meeting, March 1988, Kansas City, Missouri, U.S.A.

59th Annual Meeting, April 1990, Miami, Florida, U.S.A.

63rd Annual Meeting, March 1994, Denver, Colorado, U.S.A.

64th Annual Meeting, March 1995, Oakland, California, U.S.A.

66th Annual Meeting, March 1997, St. Louis, Missouri, U.S.A.

68th Annual Meeting, April 1999, Columbus, Ohio, U.S.A.

Session Chair, Paleoanthropology Posters

69th Annual Meeting, April 2000, San Antonio, Texas, U.S.A.

70th Annual Meeting, March 2001, Kansas City, Missouri, U.S.A.

72nd Annual Meeting, April 2003, Tempe, Arizona, U.S.A.

- 75th Annual Meeting, April 2006, Anchorage, Alaska, U.S.A.
- 76th Annual Meeting, April 2007, Philadelphia, Pennsylvania, U.S.A.
- 77th Annual Meeting, April 2008, Columbus, Ohio U.S.A.
- 83rd Annual Meeting, April 2014, Calgary, Canada.

Anatomical Society of Southern Africa

- 17th Annual Congress, April 1987, Johannesburg, R.S.A.
- 18th Annual Congress, April 1988, Mabopane, Bophuthatswana.
- 19th Annual Congress, April 1989, Cape Town, R.S.A.
- 21st Annual Congress, April 1991, Stellenbosch, R.S.A.
- 22nd Annual Congress, April 1992, Sun City, Bophuthatswana.

Zoological Society of Southern Africa

- Invited lecture for conference on 'Alternative Life History Styles of Fishes and Other Organisms', June 1987, Grahamstown, R.S.A.

International Union for Quaternary Research

- XII INQUA Congress, August 1991, Beijing, China.

Palaeontological Society of Southern Africa

- 7th Biennial Conference, September 1992, Johannesburg, R.S.A.
- 8th Biennial Conference, September 1994, Grahamstown, R.S.A.
- Organizer and Chair for "Hominid Palaeoecology Workshop"

Wenner-Gren Foundation

- "African Biogeography, Climate Change, and Early Hominid Evolution",
October, 1995, Salima, Malawi.

PUBLICATIONS

Molnar, S., J.K. McKee, I.M. Molnar, and T.R. Przybeck

- 1983 Tooth Wear Rates Among Contemporary Australian Aborigines. *Journal of Dental Research* 62(5): 562-565.

Molnar, S., J.K. McKee, and I.M. Molnar

- 1983 Measurements of Tooth Wear Among Australian Aborigines: I. Serial Loss of the Enamel Crown. *American Journal of Physical Anthropology* 61(1): 51-65.

McKee, J.K.

- 1984 A Genetic Model of Dental Reduction Through the Probable Mutation Effect. *American Journal of Physical Anthropology* 65(3): 231-241.

McKee, J.K.

- 1985 *Patterns of Dental Attrition and Craniofacial Shape Among Australian Aborigines*. Ph.D. Dissertation, Washington University. Ann Arbor: University Microfilms.

Hildebolt, C.F., G. Bate, J.K. McKee, and G.C. Conroy.

- 1986 The Microstructure of Dentine in Taxonomic and Phylogenetic Studies. *American Journal of Physical Anthropology* 70(1): 39-46.
- Hildebolt, C.F., S. Molnar, M. Elvin-Lewis, and J.K. McKee
1988 The Effect of Geochemical Factors on Prevalences of Dental Diseases for Prehistoric Inhabitants of the State of Missouri. *American Journal of Physical Anthropology* 75(1): 1-14.
- McKee, J.K.
1988 Dimensions of Growth and Evolution. *The Leech* 57(1): 17-19.
- McKee, J.K., and S. Molnar
1988 Measurements of Tooth Wear Among Australian Aborigines: II. Intrapopulation Variation in Patterns of Dental Attrition. *American Journal of Physical Anthropology* 76(1): 125-136.
- McKee, J.K., and S. Molnar
1988 Mathematical and Descriptive Classification of Variations in Dental Arch Shape in an Australian Aborigine Population. *Archives of Oral Biology* 33(12): 901-906.
- Hildebolt, C.F., M. Elvin-Lewis, S. Molnar, J.K. McKee, M.D. Perkins, and K.L. Young
1989 Caries Prevalences Among Geochemical Regions of Missouri. *American Journal of Physical Anthropology* 78(1): 79-92.
- McKee, J.K.
1989 Australopithecine Anterior Pillars: A Reassessment of the Functional Morphology and Phylogenetic Relevance. *American Journal of Physical Anthropology* 80(1): 1-9.
- Molnar, S., L. Richards, J.K. McKee, and I. Molnar
1989 Tooth Wear in Australian Aboriginal Populations from the River Murray Valley. *American Journal of Physical Anthropology* 79(2): 185-196.
- Kieser, J.A., H.T. Groeneveld, J.K. McKee, and N. Cameron
1990 Measurement Error in Human Dental Mensuration. *Annals of Human Biology* 17(6): 523-528.
- McKee, J.K., and R. Lunz
1990 Correlates of Enamel Hypoplasia With Human Dental Reduction. *American Journal of Human Biology* 2: 459-465.
- McKee, J.E., and J.K. McKee
1991 Inherent Errors in Rating Tooth Formation in CT-scans. *The Leech* 60(2): 12-15.
- McKee, J.K., (Guest Editor)
1991 Festschrift in Honour of Alun Ruhn Hughes on his 75th Birthday. *Palaeontologia Africana* 28: 1-85.
- McKee, J.K.
1991 Palaeo-ecology of the Sterkfontein Hominids: A Review and Synthesis. *Palaeontologia Africana* 28: 41-51.

McKee, J.K., and S.B. Helman

1991 Variability of the Hominid Juxtamastoid Eminence and Associated Basicranial Features. *Journal of Human Evolution* 21: 275-281.

Partridge, T.C., J.F. Bollen, P.V. Tobias, and J.K. McKee

1991 New Light on the Provenance of the Taung Skull. *South African Journal of Science* 87(7): 340-341.

McKee, J.K.

1992 Observations on the Carnivorous Activities of Chacma Baboons at the Buxton Limeworks, Taung District, Bophuthatswana. *South African Journal of Science* 88: 299-300.

McKee, J.K.

1993 The Formation and Geomorphology of Caves in Calcareous Tufas and Implications for the Study of the Taung Fossil Deposits. *Transactions of the Royal Society of South Africa* 48(2): 307-322.

McKee, J.K.

1993 Taxonomic and Evolutionary Affinities of *Papio izodi* Fossils from Taung and Sterkfontein. *Palaeontologia Africana* 30: 43-49.

McKee, J.K.

1993 Faunal Dating of the Taung Hominid Deposit. *Journal of Human Evolution* 25(5): 363-376.

Tobias, P.V., J.C. Vogel, H.D. Oschadleus, T.C. Partridge, and J.K. McKee

1993 New Isotopic and Sedimentological Measurements of the Thabaseek Deposits (South Africa) and the Dating of the Taung Hominid. *Quaternary Research* 40: 360-367.

McKee, J.K.

1994 Catalogue of Fossil Sites at the Buxton Limeworks, Taung. *Palaeontologia Africana* 31: 73-81.

McKee, J.K., and A.W. Keyser.

1994 Cranio-dental Remains of *Papio angusticeps* from the Haasgat Cave Site, South Africa. *International Journal of Primatology* 15(6): 823-841.

McKee, J.K., and P.V. Tobias

1994 Taung Stratigraphy and Taphonomy: Preliminary Results Based on the 1988-1993 Excavations. *South African Journal of Science* 90(4): 233-235.

Kuykendall, K.L., C. Toich, and J.K. McKee

1995 Preliminary Analysis of the Fauna from Buffalo Cave, Northern Transvaal, South Africa. *Palaeontologia Africana* 32: 27-31.

McKee, J.K.

1995 Turnover Patterns and Species Longevity of Large Mammals from the Late Pliocene and Pleistocene of Southern Africa: A Comparison of Simulated and Empirical Data. *Journal of*

Theoretical Biology 172: 141-147.

McKee, J.K.

1995 Further Chronological Seriations of Pliocene and Pleistocene Faunal Assemblages of Southern Africa. *Palaeontologia Africana* 32: 11-16.

McKee, J.K., J.F. Thackeray, and L.R. Berger

1995 Faunal Assemblage Seriation of Southern African Pliocene and Pleistocene Fossil Deposits. *American Journal of Physical Anthropology* 96(3): 235-250.

McKee, J.K.

1996 Faunal Turnover Patterns in the Pliocene and Pleistocene of Southern Africa. *South African Journal of Science* 92: 111-113.

McKee, J.K.

1996 Faunal Evidence and Sterkfontein Member 2 Foot Bones of Early Hominid. *Science* 271(5253): 1301-1302.

McKee, J.K.

1999 The Autocatalytic Nature of Hominid Evolution in African Plio-Pleistocene Environments. In *African Biogeography, Climate Change, and Early Human Evolution*, Eds. T.G. Bromage & F. Schrenk. New York: Oxford University Press, pp. 57-67.

Turner, A., L.C. Bishop, C. Denys, and J.K. McKee,

1999 Appendix: A Locality-Based Listing of African Plio-Pleistocene Mammals. In *African Biogeography, Climate Change, and Early Human Evolution*, Eds. T.G. Bromage & F. Schrenk. New York: Oxford University Press, pp. 369-399.

McKee, J.K.,

2001 Faunal Turnover Rates and Mammalian Biodiversity of the Late Pliocene and Pleistocene of Eastern Africa. *Paleobiology*, 27(3): 500-511.

McGrew, W.C., McKee, J.K., and Tutin, C.E.G.

2003 Primates in Caves: Two New Reports of *Papio* spp. *Journal of Human Evolution* 44(4): 521-526.

McKee, J.K.

2003 Reawakening Malthus: Empirical Support for the Smail Scenario. *American Journal of Physical Anthropology* 122(4): 371-374.

McKee, J.K., Sciulli, P.W., Foose, C.D., and Waite, T.A.

2004 Forecasting Biodiversity Threats Due to Human Population Growth. *Biological Conservation* 115(1): 161-164.

Crawford, T.C., McKee, J.K., Kuykendall, K.L., Latham, A., and Conroy, G.C.

2004 Recent paleoanthropological excavations of *in situ* deposits at Makapansgat, South Africa - A first report. *Collegium Antropologicum*, 28, Suppl. 2, pp 43-57.

Latham, A.G., McKee, J.K., and Tobias, P.V

2007 Bone Breccias, Bone Dumps, and Sedimentary Sequences of the Western Limeworks,

Makapansgat, South Africa. *Journal of Human Evolution* 52: 388-400.

McKee, J.K.

2009 Mass Extinction and the Human Population Imperative. *Journal of Cosmology* 2, pp. 300-308.

McKee, J.K.

2010 Taphonomic Processes of Bone Distribution and Deposition in the Tufa Caves of Taung, South Africa. *Journal of Taphonomy* 8(2): 203-213.

McKee, J.K., and Chambers, E.N.

2011 Behavioral Mediators of the Human Population Effect on Global Biodiversity losses. In (R.P. Cincotta, L.J. Gorenflo, eds.), *Human Population – The Geography and Demography of Homo sapiens and their Influences on Biodiversity*. Berlin: Springer-Verlag, pp 47-59.

McKee, J.K., von Mayer, A., and Kuykendall, K.L.

2011 A new species of *Cercopithecoides* from Haasgat, North West Province, South Africa. *Journal of Human Evolution* 60: 83-93.

McKee, J.K.

2012 The “Human Population Footprint” on Global Biodiversity. In (E. Crist, P. Cafaro eds.), *Life on the Brink – Environmentalists Confront Population Growth*. Athens: University of Georgia Press, pp. 91-97.

McKee, J.K., Chambers, E.N. and Guseman, J.

2013 Human population density and growth validated as extinction threats to mammal and bird species. *Human Ecology* 41.

McKee, J.K., Kuykendall, K.L

2016 The Dart deposits of the Buxton Limeworks, Taung, South Africa, and the Context of the Taung *Australopithecus* fossil. *Journal of Vertebrate Paleontology*, 36:2,e1054937.

McKee, J.K.

2016 Brief Communication: Return to the Taung Cave Paradigm. *American Journal of Physical Anthropology* 159: 348-351.

McKee, J.K.

2017 Correlates and catalysts of hominin evolution in Africa. *Theory in Biosciences*, 136: 123-140.

McKee, J.K.

2022 Phillip Vallentine Tobias. *Biographical Memoirs of Fellows of the Royal Society*, 72: 359-370.

McKee, J.K.

2023 The insatiable appetite of eight billion wolves. In *Metamorphosis: An Anthology*, The Ohio Writers Association, pp. 115-119.

BOOKS

Poirier, F.E., and J.K. McKee

1999 *Understanding Human Evolution, 4th Edition*. Englewood Cliffs: Prentice Hall.

McKee, J.K.

2000 *The Riddled Chain: Chance, Coincidence and Chaos in Human Evolution*. New Brunswick: Rutgers University Press.

McKee, J.K.

2003 *Sparing Nature: The Conflict Between Human Population Growth and Earth's Biodiversity*. Piscataway: Rutgers University Press.

McKee, J.K., Poirier, F.E., McGraw, W.S.

2005 *Understanding Human Evolution, 5th edition*. Englewood Cliffs: Prentice Hall.

BOOK REVIEWS

McKee, J.K.

1994 Baring the Bones of a Good Story (Book review of *Swartkrans*, ed. C.K. Brain). *New Scientist* 141(1915): 43-44.

McKee, J.K.

1995 Darwinism Made Too Simple (Book review of *The Ape-Man Within*, L.S. De Camp). *New Scientist* 148(2006): 50.

McKee, J.K.

1996 Our Fossil Family Album (Book review of *From Lucy to Language*, D. Johanson and B. Edgar). *New Scientist* 152(2056): 46.

McKee, J.K.,

2001 Book Review of *Extinct Humans* (Tattersall & Schwartz). *American Anthropologist* 10(3): 852.

McKee, J.K.,

2003 Book Review of *Human Paleobiology* (Eckhardt). *Journal of the Royal Anthropological Institute*, 9(1): 169-170.

McKee, J.K.,

2003 Book Review of *Dart: Scientist and Man of Grit* (Wheelhouse & Smithford). *American Journal of Physical Anthropology* 120(1): 100-101.

McKee, J.K.,

2006 Book Review of *Old World Monkeys* (Whitehead & Jolly, eds). *Zoological Journal of the Linnean Society* 147: 415.

- McKee, J.K.,
2006 Book Review of *First in Line* (Gundling). *American Journal of Physical Anthropology* 130(3): 421.
- McKee, J.K.,
2006 Bones of Contention? Book Review of *The First Human* (Gibbons). *American Scientist* 94(6): 559-561.
- McKee, J.K.,
2007 Book Review of “*Who was Adam?*” A Creationist Model Approach to the Origin of Man, *NCSE Reports* 36(5): 37-38.
- McKee, J.K.,
2014 Book Review of *The Anthropology of Extinction: Essays on Culture and Species Death* (Sodikoff, ed.) *Biological Conservation* 179(115): 115.
- McKee, J.K.,
2014 Book Review of *Rough and Tumble* (Pickering). *South African Journal of Science* 110(11/12): 86.
- McKee, J.K.,
2015 Book Review of *Last Ape Standing: The Seven-Million-Year Story of How and Why We Survived* (Walter) *Reports of the National Center for Science Education* 35(3):online pdf.
- McKee, J.K.,
2019 Book Review of *Close Encounters with Humankind*. (Lee Sang-Hee) in *American Journal of Human Biology* 31:6.
- McKee, J.K.,
2021 Book Review of *Theology and Evolutionary Anthropology - Dialogues in Wisdom, Humility, and Grace* (Deann-Drummond, Fuentes, eds) in *American Journal of Physical Anthropology*, 175(4):723.

GENERAL PUBLICATIONS (unrefereed)

- McKee, J.K.
1991 Phillip Vallentine Tobias: A Biographical Sketch. *The Leech* 60(1): 4-6.
- McKee, J.K.
1993 A Resumption of Excavation and Research at the Makapansgat Limeworks. *Physical Anthropology News* 12(1): 2-3.
- Cameron, N., Berger, L.R., and McKee, J.K.
1994 Training for Africans in Africa. *Nature* 372: 589.
- McKee, J.K.
2001 Saving Our Environment, One (Fewer) Child at a Time. *Chronicle of Higher Education*

1/26/01, p. B20.

McKee, J.K.

2004 Brother, Can You Spare a Species? *The Reporter*, Spring 2004, pp. 6-7.

McKee, J.K.

2005 The Evolution Award at Ohio's State Science Day *NCSE Reports*, 26 (6).

McKee, J.K.

2015 Seven Billion Wolves: Why the Human Head Count Matters. *Free Inquiry*, 35(4):23-24.

McKee, J.K.

2015 Letter to a Young Scientist. *The Ohio Journal of Science*, 115 (2):4-6.
(Reprinted 2018, *The Ohio Journal of Science*, 118 (1).)

McKee, J.K.

2017 Editorial. *The Ohio Journal of Science*, 117 (2):4.

REFEREED ABSTRACTS OF CONFERENCE PRESENTATIONS

McKee, J.K.

1985 Comparisons of dental arch shapes. *American Journal of Physical Anthropology* 66(2): 20.

McKee, J.K.

1987 The ecological transition and shifting balance of evolutionary forces in hominid evolution.
Alternative Life History Styles of Fishes and Other Organisms, Abstracts. p. 55.

Helman, S.B., and J.K. McKee

1988 Morphological variations of the juxtamastoid eminence. *South African Journal of Science* 84(6): 521.

McKee, J.K.

1988 Australian aborigine masticatory biomechanics: implications for understanding fossils.
American Journal of Physical Anthropology 75(2): 248.

McKee, J.K.

1988 Variations of maxillary stress trajectories among modern humans. *South African Journal of Science* 84(6): 521.

McKee, J.K.

1989 Correlates of enamel hypoplasia with human tooth size. *South African Journal of Science* 85(7): 473-474.

Nockler, J.E., and J.K. McKee

1989 Validation of dental images on CT-scans. *South African Journal of Science* 85(7): 473.

Tatchell, C.L., and J.K. McKee

1989 Functional significance of linear cortical bone striations in the maxilla. *South African Journal of Science* 85(7): 474.

McKee, J.K., and P.V. Tobias

1990 New fieldwork at the Taung hominid site: 1988-1989. *American Journal of Physical Anthropology* 81(2): 266-267.

McKee, J.K.

1991 Evolutionary affinities of *Papio izodi* fossils from Taung and Sterkfontein. *Newsletter of the Anatomical Society of Southern Africa* 24: 17.

McKee, J.K.

1991 Stratigraphic relations of fossil cercopithecidae from the Taung hominid site. *Abstracts, XIII INQUA International Congress*, p. 235.

McKee, J.K.

1992 The southern African origin of the genus *Papio*. *South African Medical Journal* 82: 193.

Quinney, P.S., and J.K. McKee

1992 A preliminary analysis of fossil and artefactual remains from Tobias Cave, Taung. *South African Medical Journal* 82: 195.

McKee, J.K.

1994 Hominid evolution in the context of gradual change among the mammals of southern Africa. *American Journal of Physical Anthropology* Supp. 18: 145.

McKee, J.K.

1995 Indications of increased encephalization among baboons since the late Pliocene. *American Journal of Physical Anthropology* Supp. 19: 155.

Von Mayer, A., Kuykendall, K.L., and McKee, J.K.

1996 A preliminary account of the *Cercopithecoides* material from Haasgat. *Journal of Anatomy* 188: 497.

Kuykendall, K.L., McKee, J.K., and Quinney, P.S.

1997 Report on paleoanthropological, paleoecological, and archaeological fieldwork in the Makapansgat Valley, Northern Province, South Africa. *American Journal of Physical Anthropology* Supp. 24: 148.

McKee, J.K.

1997 East African confirmation of constant turnover among Plio-Pleistocene large mammals. *American Journal of Physical Anthropology* Supp. 24: 167.

McKee, J.K.

1999 Biogeography of Pliocene and Pleistocene African large mammals and faunal dating of southern African hominids. *American Journal of Physical Anthropology* Supp. 28: 197.

McKee, J.K.

1999 Faunal dating of southern African fossil assemblages: A reflexive test. *Journal of Human Evolution* 36(4): A12-A13.

McKee, J.K.

2000 Ecological correlates of long-term stasis among African mammals of the Pliocene and Pleistocene. *American Journal of Physical Anthropology* Supp.30: 225-226.

McKee, J.K.

2001 The Taung raptor hypothesis: Caveats and new evidence. *American Journal of Physical Anthropology* Supp. 32: 107.

Foote, C.D., and McKee, J.K.

2002 Human population size as a predictor of threatened species. *American Journal of Physical Anthropology* Supp. 34: 71.

Crawford, T.C., McKee, J.K., Conroy, G.C., Kuykendall, K.L., and Latham, A.G.

2006 Fossil excavations of the Makapansgat Member 2 and adjacent breccias. *American Journal of Physical Anthropology* Supp. 38: 80.

McKee, J.K., Rissing, S.

2006 A critical analysis of the "wedge strategy" in Ohio. *American Journal of Physical Anthropology* Supp. 42: 128.

Chambers, E.N., McKee, J.K., Guatelli-Steinberg, D., Kringbaum, J.S.

2007 Oxygen isotope analysis of human tooth enamel carbonate: Implications for climatological and environmental research. *American Journal of Physical Anthropology* Supp. 44: 85-86.

McKee, J.K.

2007 Temporal characteristics of fossil cercopithecoid diversity and longevity in southern Africa. *American Journal of Physical Anthropology* Supp. 44: 169.

McKee, J.K., A. Kolatorowicz, L. Reitsema, A. Ruth, S. Schlecht, O. Ulvi, T. Weston.

2008 Backpedaling in human evolution - adaptive values of bipedalism in reverse. *American Journal of Physical Anthropology* Supp. 46: 152-153.

Chambers, E.N., McKee, J.K., Kuykendall, K.L.

2008 Oxygen isotope analysis of tooth enamel carbonate from Plio-Pleistocene South African fossil sites. *American Journal of Physical Anthropology* Supp. 46: 78.

Crawford, T.C., Kuykendall, K.L., McKee, J.K., Conroy, G.C.

2007 An analysis of the dental and mandibular morphology of the Makapansgat hominids. *American Journal of Physical Anthropology* Supp. 46: 83.

McKee, J.K.

2014 Genetic simulations of natural selection - Implications for hominin evolution. *American Journal of Physical Anthropology* Supp. 58.

Peart, D.C., McKee, J.K.

2015 Continuous or pulse? Simulating speciation and extinction from fauna at Plio-Pleistocene

hominin sites. *American Journal of Physical Anthropology* Supp. 60: 249.

Peart, D.C., Hubbe, M., McKee, J.K.

2017 Turnover rates of mammals from Plio-Pleistocene hominin sites - a simulation approach.
American Journal of Physical Anthropology Supp. 62.

INVITED LECTURES

"Human Origins in Southern Africa", keynote address to the South African Archaeological Society Annual School, Johannesburg, October 1987.

"Fossil Hominid Sites of Southern Africa", address to Primate Biology Program, Washington University, St. Louis, March 1988.

"Losing Face in Hominid Evolution", Annual Biological Sciences Lectures, University of the Witwatersrand, Johannesburg, October 1988.

"Taung '88 - New Excavations", address to South African Archaeological Society, Johannesburg, November 1988.

Guided Tour of the Taung Fossil Sites,

Friends of the McGregor Memorial Museum and Historical Society of Kimberley and Northern Cape, Buxton Limeworks, July 1989.

Institute for the Study of Man in Africa, Buxton Limeworks, June 1991.

South African Archaeological Society, Buxton Limeworks, June 1992.

Institute for the Study of Man in Africa, Buxton Limeworks, June 1994.

"Taung - New Discoveries and Revelations", address to the Institute for the Study of Man in Africa, Johannesburg, October 1989.

"Taung and the Evolutionary Role of *Australopithecus africanus*", addresses to:

Museum of Anthropology, University of Pennsylvania, Philadelphia, April 1990.

Transvaal Museum Staff, Pretoria, November 1990.

Transvaal Museum, Lectures on Evolution Series, Pretoria, September 1991.

Museum of Paleontology, University of California, Berkeley, December 1992.

Primate Biology Program, Washington University, St. Louis, December 1992.

"Thomas Henry Huxley: Past Ideas, Present Data, Future Models", inaugural lecture to the Thomas Henry Huxley Society for Synapomorphic Symposia, Johannesburg, March 1990.

"China's Past Million Years: Personal Reflections", address to Anatomy and Human Biology Luncheon Club, Univ. Witwatersrand, Johannesburg, October 1991.

Guided Tour of the Makapansgat Fossil Sites,

Institute for the Society of Man in Africa, Potgeitersrus, March 1992.

Institute for the Society of Man in Africa, Potgeitersrus, September 1994.

South African Archaeological Society, Potgeitersrus, March 1995.

"The Taung Hominid Fossil Site", address to press conference on the opening of the Taung Heritage Site, Buxton Limeworks, April 1992.

"Darwinism in the Computer Age", address to the Medical Association of South Africa, Blyderivierspoort, September 1993.

"Taung Palaeoecology, Taphonomy and Stratigraphy: Preliminary Results Based on the 1988-1993 Excavations", address for symposium on Hominid Evolution: The South African Contribution, University of the Witwatersrand, Johannesburg, November 1993.

"Beginnings: Taung and Makapansgat", keynote address for "Bones of Contention" symposium, Institute for the Study of Man in Africa, Johannesburg, February 1994.

"Chaos, Complexity, Weak Gaia and the Autocatalytic Nature of Human Evolution", address to Anatomy and Human Biology Luncheon Club, University of the Witwatersrand, Johannesburg, May 1994.

"The Human Place in Nature", series of four lectures for the Centre for Continuing Education, University of the Witwatersrand, Johannesburg, October 1994.

AHow Human Evolution Works and Why it Matters@, address to the South African Archaeological Society and the Institute for the Study of Man in Africa, Johannesburg, February 1996.

ADid Climatic Change Drive Human Evolution?@, lecture to Geology Seminar Series, Department of Geology, The Ohio State University, Columbus, September 1997.

AFossil Human Ancestors from Southern Africa: The Ecology of Adaptability@, address to Anthropology Program, Indiana University South Bend, April, 1999.

AThe Southern Cross -- Human Evolution in Southern Africa@, lecture to MENSA Regional Gathering, Columbus, Ohio, July, 2000.

"Human Origins and Human Potentials - The South African Experience," lecture to The Ohio Historical Society, Columbus, January, 2001.

"The Evolution of Human Adaptability," lecture to Students for Free Thought, Columbus, February, 2001.

"The Riddled Chain," lecture to the Sierra Club (Central Ohio), Columbus, March, 2001.

"Autocatalytic Evolution and Extinction - The Human Evolutionary Journey", lecture to Department of Anthropology, Penn State University, April, 2001.

“Creationism and Evolution,” debate with Joseph Mastropaolo, University of Missouri – Kansas City, November, 2001.

“The Human Wedge – Is Human Population Growth Fueling a Mass Extinction?”

Lectures in Contemporary Anthropology series, Dept. of Anthropology, Miami University, August, 2002.

Context XV conference, Columbus, October, 2002.

Columbus State Community College, Arts & Sciences Lecture Series, May, 2003

Department of Evolution, Ecology, and Organismal Biology, Ohio State University, May, 2003

Institute for the Study of Mankind in Africa, Johannesburg, July, 2003

School of Geosciences, Ohio State University, January, 2006

Department of Anthropology, Washington University, St. Louis, September, 2010.

Science Café Columbus, January, 2013.

Columbus Science Pub, August, 2013.

Colorado State University, February, 2015.

“Human Origins in Southern Africa,” COSI Electronic Expert presentation, March, 2003, December, 2003, December, 2004, December 2005, November 2006.

“Biodiversity and Human Population Growth,” lectures for The Martin W. Essex School for the Gifted, Columbus, August, 2003, August, 2004, August 2005.

“Emerging from Africa – Our evolutionary Distinction from the *Other Apes*,” Context XVI conference, Columbus, October, 2003.

“Sparing Nature,” lecture at the Woodrow Wilson International Center for Scholars, Washington, D.C., October, 2003.

“Human Origins in Southern Africa,”

Humanist Community of Central Ohio, Columbus, Ohio, June, 2006.

OSU Dept of Anatomy, January 2007.

Marion Science Café, April 2008.

Columbus Rock and Mineral Society, May 2012.

Case Western Reserve University, March, 2020.

“Human Evolution and the Evolution of Intelligent Design,”

Keystone College, Pennsylvania, March, 2006.

Honors Program, Mansfield campus of OSU, May, 2006.

Context 20, Columbus, Ohio, September, 2007.

Panelist, “The Intersection of Faith and Evolution,” OSU *Controversies in Science Series*, held at COSI, November 14th, 2007.

Panelist, “Back to the Future? The Re-emergence of a Biological Conceptualization of Race,” *Toward a Transformative Agenda around Race*, Sponsored by the Kirwan Institute for the Study of Race and Ethnicity, Columbus, Ohio, December 2nd, 2007.

“Darwin's Prescient Insights on Human Evolution”

Science Café Columbus, February, 2009

Youngstown State University, February, 2009

"What Makes us Human? Perspectives on Genetics and Culture"

"Year of Science," First Unitarian Church, Clintonville, May, 2009

Evolution tour of the Columbus Zoo, July, 2010.

"The Far Side of Evolution"

Science Café Columbus, November, 2010

University of Toledo, February, 2012

School of Earth Sciences, The Ohio State University, March, 2012

Panelist, "Are Too Many People the Problem? Overpopulation and biodiversity loss," Colorado State University, *School of Global Environmental Sustainability Panel Series*, February 11, 2015.

"Surviving South African Apartheid,"

Nichols College, Massachusetts, September, 2018.

Case Western Reserve University, March, 2020

"The Evolution of Human Uniqueness"

Case Western Reserve University, March, 2020.

"Taung - The Nexus of African Palaeoanthropology"

Natural History Society of Maryland, September, 2021.

Spence Lecture, University of Western Ontario, March 2022.