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Department of Anthropology
University of Alberta
May 2015

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Academic Employment History

Chair, Department of Anthropology, University of Alberta, July 1, 2012 to present.

Professor, Department of Anthropology, University of Alberta, July 1, 2007 to present.

Associate Chair, Undergraduate Programmes, January 1, 2004 to June 30, 2008 and January 1, 2009 to June 30, 2009.

Associate Professor, Department of Anthropology, University of Alberta, 1995-2007.

Assistant Professor, Department of Anthropology, University of Alberta, 1992-1995.

Assistant Professor (SSHRC Canada Research Fellow), Department of Anthropology, University of Alberta, 1987-1992.

Visiting Assistant Professor, Department of Anthropology, University of Alberta, 1986/1987.

Sessional Lecturer, Department of Anthropology, University of Alberta, 1985/1986.

Instructor, Department of Anthropology, University of Winnipeg, 1976-1978.

Education

PhD, Anthropology, University of California at Los Angeles, 1985. Dissertation: *Spheroids and battered stones: a case study of technology and adaptation in the African Early and Middle Stone Age*. Supervisor: Dr. James Sackett.

MA, Anthropology, University of Alberta, 1976. Thesis: *An Analysis of Early Postglacial European Prehistory*. Supervisor: Dr. David Lubell.

Bachelor of Arts (Honours), Anthropology, Traill College, Trent University, 1974.

Research Interests

Palaeolithic archaeology

Palaeoanthropology = human biocultural evolution

The origin of modern humans (*Homo sapiens*)

Behavioural and cognitive evolution of early modern people

The Middle and Later Stone Age of East Africa

Stone age prehistory of Iringa and Mbeya Regions, southern Tanzania

Experimental analysis of stone tool production and function

History of archaeological method and theory

African history and archaeology

Publications

Books and Monographs

The Evolution of Modern Humans in Africa: A Comprehensive Guide. Lanham, Maryland: AltaMira Press, 2007, 439 pp.

Spheroids and battered stones in the African Early and Middle Stone Age. *Cambridge Monographs in African Archaeology #17/BAR International Series #321*. Oxford: British Archaeological Reports, 1987, 253 pp.

Peer-reviewed articles and book chapters

Jennifer M. Miller and **Pamela R. Willoughby**. “Radiometrically dated ostrich eggshell beads from the Middle and Later Stone Age of Magubike Rockshelter, southern Tanzania”. *Journal of Human Evolution* 74(1): 118-122, 2014.

Elizabeth Sawchuk and **Pamela R. Willoughby**, “Terminal Pleistocene Later Stone Age Human Remains from the Mlambalasi Rock Shelter, Iringa Region, Southern Tanzania”. *International Journal of Osteoarchaeology*; 9081 words + 8 figures + 4 tables, accepted April 22, 2013; in press; 18 published pages.

“The Middle and Later Stone Age in the Iringa Region of southern Tanzania”. *Quaternary International* 270: 103-118, 2012.

Benjamin R. Collins and **Pamela R. Willoughby**, “The Faunal Analysis of Magubike and Mlambalasi, Two MSA-LSA Archaeological Sites from Iringa District, Tanzania”. *Journal of Taphonomy* 8(1): 33-68, 2010.

“From the Middle to the Later Stone Age in Eastern Africa”. In Marta Camps and Parth R. Chauhan, editors, *Sourcebook of Paleolithic Transitions: Methods, Theories and Interpretations*. New York: Springer, pp. 301-314, 2009.

“Palaeoanthropology and the evolutionary place of humans in nature”. *International Journal of Comparative Psychology* 18(1): 60-90, 2005.

Pamela R. Willoughby and Charmaine Sipe, “Stone age prehistory of the Songwe River Valley, Lake Rukwa basin, Southwestern Tanzania”. *African Archaeological Review* 19(4): 203-221, 2002.

“Recognizing ethnic identity in the Upper Pleistocene: The case of the African Middle Stone Age/Middle Palaeolithic”. In John Terrell, editor, *Archaeology, language and history: Essays on culture and ethnicity*. Scientific Archaeology for the Third Millennium. Westport, Connecticut: Bergin and Garvey, pp. 125-152, 2001.

“Middle and Later Stone Age technology from the Lake Rukwa Rift, Southwestern Tanzania”. *South African Archaeological Bulletin* 56 (174/175): 34-45, 2001.

“The origin and dispersal of modern humans”. In Ann Herring and Leslie Chan, editors, *Strength in Diversity: a reader in physical anthropology*. Toronto: Canadian Scholar's Press, 1994, pp. 235-258.

“The Middle Stone Age in East Africa and modern human origins”. *The African Archaeological Review* 11: 3-20, 1993.

“Earlier Stone Age archaeology and African Studies: a move towards reconciliation”. *Canadian Journal of African Studies* 25(1): 70-88, 1991.

« Contribution à l'étude des spheroides et des bolos de quelques sites paléolithiques d'Afrique ». *L'Anthropologie* 93(4): 1-17, 1989.

“Spheroids and battered stones in the African Early and Middle Stone Age”. *World Archaeology* 17(1): 44-60, 1985.

Peer-reviewed publications completed or in preparation

Pamela R. Willoughby, Katie M. Biittner, Pastory M. Bushozi and Jennifer M. Miller. “A German Bullet Casing in a Tanzanian Rockshelter: Using Historic Artifacts to Reinforce Narratives about the Past”. To be submitted to the *International Journal of Historical Archaeology*; 4,177 words + x Figures.

Pamela R. Willoughby, Tim Compton, Silvia M. Bello, Katie M. Biittner, Pastory M. Bushozi, Anne R. Skinner and Christopher B. Stringer, “Middle Stone Age human teeth from Magubike rockshelter, Iringa Region, Tanzania”. *Journal of Human Evolution*; 14,850 words; 40 pages + 10 figures and 11 tables; submitted July 22, 2013; to be revised and resubmitted.

The Archaeology of Iringa, Tanzania. Edited book manuscript being organized. To be submitted to the Vertebrate Palaeontology and Palaeobiology series of Springer.

Editor-reviewed: Articles, Encyclopedia Entries and Book Chapters

K. M. Biittner and **P. R. Willoughby**, “Working with Local Communities and Managing Cultural Heritage in Iringa Region, Tanzania”. *The SAA Record* 12: 36-39, 2012.

“East Africa: The Stone Age”. In Neil Asher Silberman, editor, *The Oxford Companion to Archaeology*, second edition. Oxford: Oxford University, pp. 430-433, 2012.

One encyclopaedia entry: The SASES system. In B. Wood, editor, *Wiley-Blackwell Encyclopedia of Human Evolution*. New York: John Wiley, pp. 737-738, 2011.

Four encyclopedia entries: “What do we know of Neanderthal social life?” (1024 words). “Out of Africa: *Homo ergaster* and *Homo erectus*” (813 words). “*Homo erectus*” in Europe (543 words) and “Variation in social organization, 50,000 to 5000 years ago” (1000 words). In *Encyclopedia of World History*. Santa Barbara: ABC-CLIO; accepted August 5, 2009.

Three encyclopedia entries: “Africa – *Homo ergaster* (1000 words), “*Homo heidelbergensis*” (750 words) and “sidebar on the relation of *Homo sapiens* to the Neanderthals” (150 words). In *Encyclopedia of World History*. Santa Barbara: ABC-CLIO; accepted July 15, 2008.

Three encyclopedia entries: “The multiregional versus the out of Africa model” (1702 words), “*Homo sapiens* in Africa” (1082 words) and “Diets of our Miocene and early Pliocene ancestors” (1078 words). In *Encyclopedia of World History: Africa*. Santa Barbara: ABC-CLIO; accepted May 15, 2008.

Encyclopaedia entry: “The First Humans”. In *Archaeologica: The World’s Most Significant Sites and Cultural Treasures*. Lane Cove, Australia: Global Book Publishing Pty. Ltd., pp. 62-67, 2007.

Encyclopaedia entry: "Earliest Modern Humans". In *Archaeologica: The World's Most Significant Sites and Cultural Treasures*. Lane Cove, Australia: Global Book Publishing Pty. Ltd., pp. 68-75, 2007.

"Notice of accusation of plagiarism against Julius Tombo Kodalo". *Nyame Akuma* 61: 2-3, 2004.

"Middle and Later Stone Age prehistory of the Lake Rukwa Rift Valley, Southwestern Tanzania". *The Digging Stick* (Newsletter of the South African Archaeological Association) 18(3): 13-14, December 2001.

"Hiring practices in archaeology: a Lingua Franca study". *Bulletin of the Society of American Archaeology* 17(5): 11-12, November 1999.

"An archaeological survey of the Songwe River, Lake Rukwa Basin, Southwestern Tanzania". *Nyame Akuma* 37: 28-35, 1992.

"Prehistoric archaeology in southwestern Tanzania". *Canadian Association of African Studies Newsletter*, autumn 1991, pp. 3-8.

"Stone age archaeology in Mbeya and Rukwa Regions, Southwestern Tanzania". *Nyame Akuma* 34: 30-37, December 1990.

Refereed conference proceedings

"Tempo and mode in the Palaeolithic: How to understand the origins of culture". In J. Wilkins and K. Anderson, editors, *Tools of the Trade: Methods, Techniques, and Innovative Approaches in Archaeology: Proceedings of the 38th annual Chacmool Conference (2005)*. Calgary: University of Calgary Press, 2009, pp. 31-49.

"Mitochondrial Eve and the African Middle Stone Age: Gender and race in the study of 'modern' human origins". In S. Terendy, N. Lyons and M. Janse-Smekal, editors, *Qu(e)rying Archaeology: Proceedings of the 37th annual Chacmool Archaeology conference (2004)*. Calgary: Chacmool Archaeological Society, pp. 271-281, 2009.

"How much of early human evolution was a response to catastrophe?" *Apocalypse Then: Proceedings of the 35th annual Chacmool conference (2002)*. Calgary: University of Calgary Press. Accepted April 30, 2004, 24 ms. pp.

"Out of Africa 2: the first migration of modern humans". In C. Allum, J. Kahn, C. Cluney and M. Peuramaki-Brown, editors, *Ancient Travellers: Proceedings of the 27 annual Chacmool conference (1994)*. Calgary: The Archaeological Association of the University of Calgary, 2002, pp. 100-110.

“Archaeologists, palaeoanthropologists and the people without culture”. In M. Boyd, J. C. Erwin and M. Hendrikson, editors, *The Entangled Past: Integrating History and archaeology. Proceedings of the 30th annual Chacmool conference (1997)*. Calgary: Chacmool Archaeological Association, 2000, pp. 281-291.

“Middle Stone Age technology and adaptation in southwestern Tanzania”. In G. Pwiti and R. Soper, editors, *Aspects of African Archaeology: papers from the 10th congress of the Pan African Association for Prehistory and Related Studies*. Harare: University of Zimbabwe Publications, 1996, pp. 171-190.

“The Middle Stone Age in Southwestern Tanzania”. In C. C. Magori, C. B. Saanane and F. Schrenk, editors, *Four million years of hominid evolution in Africa: papers in honour of Dr. Mary Leakey’s outstanding contribution in palaeoanthropology. Kaupia/Darmstädter Beiträge zur Naturgeschichte 6: 57-69*, 1996.

“The meaning of the Acheulean-Middle Stone Age transition in Africa”. In D. A. Meyer, P. C. Dawson and D. T. Hanna, editors, *Debating Complexity: Proceedings of the 26th annual Chacmool conference (1993)*. Calgary: Chacmool Archaeological Association, 1996, pp. 202-211.

“Culture, environment and the emergence of *Homo sapiens* in East Africa”. In R. W. Jamieson, S. Abonyi and N. A. Mirau, editors, *Culture and Environment: a fragile coexistence: Proceedings of the 24th annual Chacmool conference (1991)*. Calgary: Department of Archaeology, 1993, pp. 135-143.

“Human origins and the sexual division of labour: an archaeological perspective”. In D. Walde and N. Willows, editors, *The Archaeology of Gender: Proceedings of the 22nd annual Chacmool Conference (1989)*. Calgary: Department of Archaeology, 1991, pp. 284-291.

Refereed conference proceedings completed but not yet published

“The Archaeology of early modern humans in southern Tanzania: An historical perspective”. For the proceedings of the 50th anniversary of the discovery of *Zinjanthropus* conference, Arusha, Tanzania, August 14, 2009; 34 pages, 7335 words; submitted February 2, 2010.

“Middle and Later Stone Age technology in southwestern Tanzania”. *Proceedings of the 12th Congress of the PanAfrican Archaeological Association for Prehistory and Related Studies, Gaborone, Botswana, 2005*; 24 ms. pp., submitted October 18, 2005.

Refereed Published Abstracts

Elizabeth Sawchuk and Pamela R. Willoughby. “Analysis of commingled human remains from the Mlambalasi rockshelter, Tanzania”. *American Journal of Physical Anthropology*

Supplement 52: 263, 2011. Refereed abstract of poster for the AAPA meeting, Minneapolis, April 2011.

“Investigating the origins of modern human behaviour in southwestern Tanzania: a Middle or a Later Stone Age event?” *Journal of Human Evolution* 38(3): A34-A35, March 2000. Refereed abstract of presentation for the annual Paleoanthropology society meeting, Philadelphia, Pennsylvania, April 2000.

Non-Refereed Publications

(1) CHIRP (Cultural Heritage in Iringa Region Project)

Katie M. Biittner, Pastory M. Bushozi, Jennifer Miller, Elizabeth Sawchuk, and **Pamela Willoughby**, “Archaeological Significance of Mlambalasi Rockshelter”. Poster about our 2010 research prepared for distribution to museums, cultural officers and community members in Iringa, Tanzania, June 2012.

Katie M. Biittner, Katharine Alexander, Benjamin Collins, Pastory M. Bushozi, and **Pamela Willoughby**, “The Archaeological Heritage of Iringa Region, Tanzania / Hifadhi ya Kumbukumbu za Mambo ya Kale (Akiolojia) katika Mkoa wa Iringa, Tanzania”. English and Swahili posters about our 2008 research prepared for distribution to museums, cultural officers and community members in Iringa, Tanzania, June 2010.

Katie M. Biittner, Pastory M. Bushozi and **Pamela Willoughby**, “Archaeological Significance of Magubike Rockshelter / Pango la Magubike katika elimu ya wa Mambo ya Kale (Akiolojia)”. English and Swahili posters about our 2008 research prepared for distribution to museums, cultural officers and community members in Iringa, Tanzania, June 2010.

Katie M. Biittner, Pastory M. Bushozi and **Pamela R. Willoughby**, “East African Culture History / Utamaduni wa Kale katika Africa ya Mashariki”. English and Swahili posters about our 2008 research prepared for distribution to museums, cultural officers and community members in Iringa, Tanzania, June 2010.

Katie Biittner, Pastory Bushozi and **Pamela R. Willoughby**. “Stone Age archaeology in Iringa Region, Tanzania” / “Akiologia ya Wakati wa Zana za Mawe, Mkoa wa Iringa, Tanzania”. PowerPoint posters about our 2006 research distributed to museums, cultural officers and community members in Iringa, Tanzania; completed June 2008.

Katie Biittner, Pastory M. Bushozi and **Pamela R. Willoughby**, “The Middle and Later Stone Age of the Iringa Region, southern Tanzania: An Introduction”. *Nyame Akuma* 68: 62-73, December 2007.

(2) Other

Blog: Editorial comment on “Old tools shed light on hobbit origins” by Michael Hopkins (*Nature* 441(7093): 559, June 1, 2006). http://blogs.nature.com/news/blog/2006/05/old_tools_shed_light_on_hobbit.html#com.

“When did hominids become human?” Guest column for *University of Alberta Express News*, September 14, 2000. <http://www.ualberta.ca/ExpressNews/ideas/guest/2000/091300.htm>.

“The origins of modern human behaviour”. *The Friends of the University of Alberta Museums Newsletter*, summer 2000, pp. 5-6.

“Four million years of hominid evolution in Africa: an international congress in honour of Dr. Mary Leakey’s outstanding contribution in palaeoanthropology”. *Anthropology Newsletter* 35(2): 11-13, February 1994.

Comment on N. Stern, “The structure of the Lower Palaeolithic archaeological record”. *Current Anthropology* 34(3): 219-220, 1993.

“Bibliography of Works by Canadian Archaeologists on Africa”. *Bibliographic Series: Canadian Contributions to African Studies*, 18 pp., 1992.

Jane Ross and **Pamela R. Willoughby**, “African Studies at the University of Alberta”. *Canadian Association of African Studies Newsletter*, spring 1990, pp. 50-58, 105-106.

“Grants for African studies: an update”. *Canadian Association of African Studies Newsletter*, autumn 1990, pp. 29-38.

“Grants for African studies: funding available to Canadian citizens and landed immigrants or African nationals for graduate and postdoctoral training”. *Canadian Association of African Studies Newsletter*, winter 1990, pp. 22-32.

“Report on the 1988 SAAAm business meeting, Phoenix, Arizona”. *Nyame Akuma* 30: 2-3, 1989.

“Spheroids: African Early and Middle Stone Age Technology and Variability”. *Anthroquest* 26:13-14, 1983.

Book Reviews

Review of T. Akazawa et al., editors, *Dynamics of Learning in Neanderthals and modern humans. 1: Cultural perspectives, 2: Cognitive and Physical Perspectives*. *PaleoAnthropology*, submitted May 12, 2015. Volume 1: 1609 words; Volume 2: 1308 words.

Review of A. Thomas, *The Evolution of the Ancient City: Urban theory and the archaeology of the Fertile Crescent*. *Canadian Studies in Population* 40(1/2): 113-114, 2013.

Review of D. Colton, *An Archaeological and Geomorphological Survey of the Luangwa Valley, Zambia*. *British Archaeological Reports S2022 2009/ Cambridge Monographs in African Archaeology* 78. *Azania* 47(3): 401-404, 2012.

Review of C. S. Henshilwood and F. D'Errico, editors, *Homo symbolicus: The dawn of language, imagination and spirituality*. *PaleoAnthropology* 2012: 231-232.

Review of S. Kozłowski, *Thinking Mesolithic*. *PaleoAnthropology* 2011: 91-92.

Review of R. M. Gonzales, "Societies, Religion and History: Central-East Tanzanians and the world they created, c. 200 BCE to 1800 CE". *African Studies Review* 53(3): 149-151, 2010.

Review of J. McNabb and A. Sinclair, editors, "The Cave of Hearths: Makapan Middle Pleistocene Research project". *Journal of African Archaeology* 8(2): 259-261, 2010.

Review of M. Sommer, "Bones and Ochre: The Curious Afterlife of the Red Lady of Paviland". *American Journal of Physical Anthropology* 142(2): 337-338, 2010.

Review of L. Barham and P. Mitchell, "The First Africans". *Journal of Anthropological Research* 65: 651-652, 2009.

Review of C. Gamble, "Origins and Revolutions: Human identity in earliest prehistory". *Canadian Journal of Archaeology* 32: 182-184, 2008.

Review of H.-J. Bandelt, V. Macaulay and M. Richards, editors, "Human Mitochondrial DNA and the evolution of *Homo sapiens*". *American Journal of Physical Anthropology* 135(3): 368-369, 2008.

Review of A. Stahl, editor, "African Archaeology". *Canadian Journal of African Studies* 41(1): 173-176, 2007.

Review of J. Schwarcz and I. Tattersall, "The Human Fossil Record 4: craniodental morphology of early hominids". *Canadian Journal of Archaeology* 30(1): 150-154, 2006.

Review of N. Goren-Inbar and J. Speth, editors, "Human Paleoecology in the Levantine Corridor". *PaleoAnthropology* (Online journal of the Paleoanthropology Society) 4: 23-25, 2006 (<http://www.paleoanthro.org>).

"When did apes become human? Or have humans become apes?" Media review of R. Corbey, "The Metaphysics of Apes: negotiating the animal-human boundary". *American Journal of Primatology* 38(3): 307-311, 2006.

Review of J. D. Clark assisted by J. Cormack and S. Chin, "Kalambo Falls III: The Earlier Cultures: Middle and Earlier Stone Age". *American Antiquity* 69(1): 173-174, 2004.

Review of Wiktor Stoczkowski, "Explaining human origins". *Canadian Journal of Archaeology* 27(1): 144-146, 2003.

Review of Susan McIntosh, editor, "Beyond chiefdoms: pathways to complexity in Africa". *Canadian Journal of African Studies* 35(1): 203-205, 2002.

Review of Daniel Kaufman, "Archaeological perspectives on the origins of modern humans: a view from the Levant". *American Antiquity* 66(1): 163, 2001.

Review of John Mulvaney and Johan Kamminga, "The Prehistory of Australia". *Bulletin of the History of Archaeology* 10(1): 19-21, 2000.

Review of M. Wiber, "Erect Men/Undulating Women: the visual imagery of gender 'race' and progress in reconstructive illustrations of human evolution". *Anthropologica* 41(1): 80, 1999.

Review of M. D. Leakey with D. A. Roe, "Olduvai Gorge 5: excavations in Beds III, IV and the Masek Beds, 1968-1971". *Canadian Journal of Archaeology* 21:160-163, 1997.

Review of P. Schmidt, "Iron Technology in East Africa: Symbolism, Science and Archaeology". *Canadian Journal of African Studies* 31(3): 582-584, 1997.

Review of J. Sterner and N. David, editors, "An African commitment: papers in honour of Peter Lewis Shinnie". *Canadian Journal of African Studies* 29(1): 157-158, 1995.

Review of David Phillipson, "African Archaeology", 2nd edition. *Canadian Journal of Archaeology* 19: 189-190, 1995.

Review of M. Bouquet, "Man-ape, ape-man: *Pithecanthropus* in Het Pesthuis". *Journal of the Royal Anthropological Institute* 1(2): 413, June 1995.

Review of R. S. Corruccini and R. Ciochon, editors, "Integrative paths to the past: paleoanthropological advances in honor of F. Clark Howell". *Bulletin of the History of Archaeology* 5(2): 28-30, November 1995.

Review of Catherine A. Lutz and Jane L. Collins, "Reading National Geographic". *Bulletin of the History of Archaeology* 4(2): 20-21, 1994.

Review of M. L. Inizan, H. Roche and J. Tixier, "Technology of knapped stone". *Nyame Akuma* 41: 77-78, June 1994.

Review of T. Huffman, "Iron Age Migrations". *African Studies Review* 36(1): 141-143, 1993.

Review of « Fiches typologiques de l'industrie osseuse préhistorique IV: objets de parure ». *American Antiquity* 58(4): 796, 1993.

Review of three volumes of « Fiches typologiques de l'industrie osseuse préhistorique (sagaies, propulseurs) ». *American Antiquity* 57(2): 376, 1992.

Review of P. Robertshaw, editor, "A History of African Archaeology". *Canadian Journal of African Studies* 26(3): 551-553, 1992.

Review of N. Howell, "Surviving Fieldwork". *Canadian Journal of African Studies* 26(2): 360-361, 1991.

Review of B. Isaac, editor, "The Archaeology of Human Origins: papers of Glynn Isaac". *African Studies Review* 34(2): 154-156, 1991.

Review of J. Barkow, "Darwin, Sex and Status". *Culture* 10(2): 126-127, 1990.

Review of M. Nitecki and D. Nitecki, editors, "The Evolution of Human Hunting". *American Journal of Archaeology* 93: 462-464, 1989.

Review of G. de G. Sieveking and M. Newcomer, editors, "The Human Uses of Flint and Chert". *American Journal of Archaeology* 93: 601-602, 1989.

Review of G. Connah, "African Civilizations". *African Studies Review* 31(2): 168-170, 1988.

Review of R. Derricourt, "Man on the Kafue". *African Studies Review* 29(3): 161-162, 1986.

Review of Wu Rukang and J. W. Olsen, editors. "Palaeoanthropology and Palaeolithic Archaeology in the People's Republic of China", and Olga Soffer, "The Upper Palaeolithic of the Central Russian Plain". *Canadian Journal of Anthropology* 5(1): 100-101, 1986.

Review of Derek Roe, "The Lower and Middle Palaeolithic Periods in Britain". UCLA Institute of Archaeology: Bibliographic Leaflets on Archaeology, 1982.

Review of M. A. Hoffman, "Egypt Before the Pharaohs". UCLA Institute of Archaeology: Bibliographic Leaflets on Archaeology, 1980.

Review of L. Cabot Briggs, "The Stone Age Races of Northwest Africa". UCLA Institute of Archaeology: Bibliographic Leaflets on Archaeology, 1980.

Review of Angela Close, "The Identification of Style in Lithic Artifacts from North East Africa", and A. E. Close, F. Wendorf, and R. Schild, "The Afian: a study of stylistic variability in a Nilotic industry". UCLA Institute of Archaeology: Bibliographic Leaflets on Archaeology, 1980.

Photographs

One photograph re excavations at Mlambalasi requested by *Current Biology*, March 2014. Included in news article published by the science journalist Michael Gross. *Current Biology* 24(8): R295-R298, April 14, 2014. This story summarized new research on the origin of modern humans presented at the Evolution of Modern Humans: From Bones to Genomes conference in Sitges, Spain.

Reprint of photograph of the Olorgesailie Acheulean site, in R. Dunbar, C. Gamble and J. Gowlett, *Thinking Big*. London: Thames and Hudson (request on September 27, 2013).

One photograph of Oldowan and Acheulean artifacts at Isimila for Anne Keenleyside and Richard Lazenby, *A Human Voyage: Exploring Biological Anthropology*. London, Ontario: Nelson Education, p. 221, 2011.

Two photographs (Klasies River, South Africa and Olorgesailie, Kenya) in *In Archaeologica: The World's Most Significant Sites and Cultural Treasures*. Lane Cove, Australia: Global Book Publishing, 2007, pp. 70 and 72.

One photograph of Olorgesailie included in C. Stringer and P. Andrews, *The Complete World of Human Evolution*. New York: Thames and Hudson, 2005, p. 225.

One photograph of Olorgesailie included in C. Scarre, editor *The Human Past: World Prehistory and the Development of Human Societies*. London: Thames and Hudson, 2005, p. 95.

Two photographs (one of Acheulean bifaces from Isimila and one of an Iron Age pot from Mkamba, both in Tanzania) included on Annenberg Media's "Bridging World History" website (<http://www.learner.org/channel/courses/worldhistory/>), 2004.

Two photographs of Olorgesailie included in R. Scupin and C. De Corse, *Anthropology: A Global Perspective*. Upper Saddle River, NJ: Prentice Hall, 3rd edition in 1998.

Editorships

Editor of *Nyame Akuma: bulletin of the Society of Africanist Archaeologists*, December 1994 to December 2008 (includes two editorials per year). Under my editorship, the bulletin was awarded a ranking of B by the European Reference Index for the Humanities.

Edited newsletter of the Area Studies Committee, Africa and South Asia, 1989, 1990.

Co-editor with Dr. David Lubell of *Nyame Akuma*, 1987-1989.

Reviews of the staff member's own work

Book reviews of *The Evolution of Modern Humans in Africa: A Comprehensive Guide*.

- (1) Reviewed in *Reference and Research Book News*, May 1, 2007.
- (2) Reviewed by Dr. Susan Pfeiffer, University of Toronto, in the *Canadian Journal of Archaeology* 31(2): 278-279, 2007.
- (3) Reviewed by Dr. R. B. Clay, University of Kentucky, in *Choice: Current Reviews for Academic Libraries* 45(2): 324, October 2007.
- (4) Reviewed by Danielle E. Royer, Stony Brook University, in *PaleoAnthropology* 2008: 86-87, April 2008 (<http://www.paleoanthro.org>).
- (5) Reviewed by Dr. Jennifer Thompson, University of Nevada, Las Vegas, in the *American Journal of Physical Anthropology* 137: 240, October 2008
- (6) Reviewed by Mary Prendergast, Harvard University, in the *Journal of African Archaeology* 6(2): 271-274, 2008.
- (7) Reviewed by Marlize Lombard, University of the Witwatersrand, in the *South African Archaeological Bulletin* 63(188): 180-181, December 2008.
- (8) Reviewed by Paul Lane, University of York, in *Antiquity* 83: 212-213, March 2009.
- (9) Reviewed by Teresa Steele, University of California at Davis, in the *Journal of Anthropological Research* 66(3): 412-413, 2010.

Book review of J. Terrell, editor, *Archaeology, Language and History* (I wrote one chapter)

- (1) Reviewed by David Browman. *Journal of Linguistic Anthropology* 11(2): 298-300, 2001.

Book review of *Spheroids and battered stones* (BAR monograph)

- (1) Sally McBrearty, *Journal of Human Evolution* 19(3): 331-333, 1990.
- (2) David and Laurel Phillipson, *African Archaeological Review* 6: 115-116, 124, 1988.

Conference and Other Presentations

2014, "A Middle and Later Stone Age cultural sequence from the Iringa Region, Southern Highlands, Tanzania". Paper for the 14th Congress of the Pan African Archaeological Association for Prehistory and Related Studies / 21st biennial meeting of the Society of Africanist Archaeologists joint meeting, Johannesburg, South Africa, July 14-18. (There were 3 other presentations by members of our project at this meeting, including 2 by my current graduate students).

"Electron spin resonance (ESR) dating and human evolution" by K. Spiller, A. R. Skinner, **P. R. Willoughby** and T. A. Colbert. Oral presentation by K. Spiller for the Paleoanthropology Society annual meeting, Calgary, Alberta, April 8-9, 2014 (refereed abstract).

"Dating early modern human occupation in southern Tanzania" by A. R. Skinner, **P. R. Willoughby**, K. V. Spiller and T. A. Colbert. Poster presented at the 83rd annual meeting of the American Association of Physical Anthropologists, Calgary, April 2014.

2014, “Middle and Later Stone Age technology and adaptation in southern Tanzania”. Presentation for the Paleoanthropology Society annual meeting, Calgary, Alberta, April 8-9 (refereed abstract).

2014, “Middle and Later Stone Age technology and adaptation in southern Tanzania”. Poster presented at the *Cell* symposia: Evolution of modern humans: from bones to genomes conference, Sitges, Spain, March 16-18.

2013, “The Middle Stone Age archaeological record of Magubike, Tanzania”. Paper presented at the annual meeting of the Canadian Archaeological Association, Whistler, BC, May 15-18.

2013, Organized and chaired a poster symposium on “The Archaeology of Iringa” for the 78th annual meeting of the Society for American Archaeology, Honolulu, April 2-5.

2013, “The Stone Age prehistory of Iringa, Tanzania”. Poster presented at the 78th annual meeting of the Society for American Archaeology, Honolulu, April 2-5.

2012, Organized (and chaired) a symposium on “The Archaeology of Iringa, southern Tanzania” for the 11th biennial conference of the Society of Africanist Archaeologists, Toronto, June 20 to 23.

2012, “The archaeology of Iringa, Tanzania: An Introduction”. Paper presented at the 11th biennial conference of the Society of Africanist Archaeologists, Toronto, June 20 to 23.

2012, Anne R. Skinner, **Pamela R. Willoughby** and Clarissa C. Andre. “ESR dating of mollusk shells from the Iringa Region, Tanzania”. Paper presented by Anne Skinner for the 20th biennial conference of the Society of Africanist Archaeologists, Toronto, June 20 to 23.

2011, “The Middle and Later Stone Age in the Iringa Region of southern Tanzania”. Paper presented as part of the Canadian Research on the Palaeolithic and Old World Prehistory session at the 110th annual meeting of the American Anthropological Association, Montreal, November 16 to 20.

2011, “The archaeology of Iringa, southern Tanzania: an introduction”. Poster for the 76th annual meeting of the Society for American Archaeology, Sacramento, California. For poster session on The Archaeology of Iringa, southern Tanzania. One colleague and four of my graduate students also presented in this session; March to April 23.

2011, Elizabeth Sawchuk and **Pamela R. Willoughby**. “Analysis of commingled human remains from the Mlambalasi rock shelter, Tanzania”. Poster for the 80th annual meeting of the American Association of Physical Anthropology, Minneapolis, April 12 to 16.

2010, “The Middle and Later Stone Age in the Iringa Region of southern Tanzania”. Presentation for the session on Late Pleistocene Lifeways at the 13th meeting of the PanAfrican

Congress of Prehistory / 19th biennial meeting of the Society of Africanist Archaeologists, Dakar, Senegal, November 1-5. (Two of my PhD students also presented in this session).

2009, “The Archaeology of early modern humans in southern Tanzania: A historical perspective”. Presentation for the 50th anniversary of the discovery of *Zinjanthropus* conference, Arusha, Tanzania, August 14, 2009.

2009, “The Stone Age prehistory of Iringa, southern Tanzania: an introduction”. Paper for the Second biennial meeting of the East African Association for Palaeoanthropology and Palaeontology (EAAPP), Arusha, Tanzania. (My four graduate students also presented papers in the same session, August 19).

2008, “The Middle and Later Stone Age of Iringa, southern Tanzania”. Presentation for the 18th biennial conference of the Society of Africanist Archaeologists, Frankfurt, Germany, September 8-11 (My two PhD students, Katie Biittner and Pastory Bushozi, also presented papers in this session).

2008, “The earliest history of Africa as a cultural resource”. Canadian Association of African Studies conference, Edmonton, May 1-4, 2008.

2008, “The origins of behavioral modernity in southern Tanzania”. Poster symposium for the 73rd annual Society for American Archaeology conference, Vancouver B. C. March 26-30, 2008. Individual posters by **Pamela Willoughby** (“The Stone Age prehistory of Iringa Region, southern Tanzania”) and my two PhD students, Katie Biittner (“Raw material variability during the MSA in southern Tanzania”) and Pastory Bushozi (“MSA technology and hunting behaviour in Tanzania”).

2008, “The evolution of modern humans in southern Tanzania”. Presentation for Second Biennial conference of the University of Alberta Palaeontology Society, March 8-9.

2007, “Cro-Magnons versus Neanderthals: The 19th century discovery of the first fossil humans”. Invited inaugural presentation for the Science, Technology and Society Interdisciplinary programme, September 18.

2007, “The origins of human variation: Evidence from fossils, archaeology and genetics”. Presentation for the “Understanding Human Variation” conference, September 22, University of Alberta.

2007, Invited participant for panel on “Getting our data out there: The where’s, why’s, and how’s of student publishing”. For the annual meeting of the Society for American Archaeology, Austin, Texas, April.

2006, “The Department of Anthropology in the mid 1970s and afterwards – a personal perspective”. Invited presentation for Department of Anthropology’s 40th anniversary forum, September 29.

2006, “Middle and Later Stone Age technology in southern Tanzania”. Paper presented at the 18th biennial meeting of the Society of Africanist Archaeologists, Calgary, Alberta, June 22-26.

2006, “Middle Stone Age technology in southern Tanzania”. Invited paper presented in the African Middle Stone Age session organized by Tom Minichillo, 71st annual meeting of Society for American Archaeology, San Juan, Puerto Rico, April 26-30 .

2006, “Modern human origins – the African evidence”. Invited presentation for First Biennial Palaeontology Symposium, University of Alberta Palaeontological Society, March 4, 2006.

2005, “Tempo and mode in the Palaeolithic: How to understand the origins of culture”. Paper presented at the 38th annual Chacmool conference, Tools of the Trade, November 2005.

2005, “Middle Stone Age archaeology in southern Tanzania”. Invited paper presented at the workshop on the Middle Stone Age in Eastern African organized by Dr. Alison Brooks; held in Nairobi, Kenya and Addis Ababa, Ethiopia, July 17-25.

2005, “Middle and Later Stone Age technology in south-western Tanzania”. Paper presented at the 12th Congress of the PanAfrican Archaeological Association for Prehistory and Related Studies, Gaborone, Botswana, July 3-10.

2004, “Mitochondrial Eve and the African Middle Stone Age: Gender and race in the study of ‘modern’ human origins”. Paper for Querying Archaeology, the 37th annual Chacmool Archaeology conference, Calgary, Alberta, November.

2004, “Middle and Later Stone Age technology in southwestern Tanzania”, Paper presented at the 17th biennial meeting of the Society of Africanist Archaeologists, Bergen, Norway, June 26-29.

2004, “Middle and Later Stone Age technology in southwestern Tanzania”. Paper for the 69th annual meeting of the Society for American Archaeology, Montreal, Quebec, March 31-April 4.

2003, “Understanding the origins of modern humans in East Africa”. Paper presented at the 31st annual conference of the Canadian Association for Physical Anthropology, Edmonton, Alberta, October 23-25.

2002, “The archaeology of early modern humans in Southwestern Tanzania”. Invited paper presented at a symposium on the archaeology of early modern humans at the annual meeting of the American Association for the Advancement of Science, Boston, Massachusetts, February 14-19.

2002, “How much of early human evolution was a response to catastrophe?” Paper presented at “Apocalypse Then”, the 35th annual Chacmool conference, Calgary, Alberta, November 13-17.

2002, "What happened during the Middle/Later Stone Age transition? A case study from southwestern Tanzania". Paper presented at the 4th conference on Human Evolution and Disease, Cold Spring Harbor, New York, October 30-November 3.

2002, "Middle and Later Stone Age prehistory in the Lake Rukwa basin, southwestern Tanzania". Paper presented at the 16th biennial meeting of the Society of Africanist Archaeologists, Tucson, Arizona, May 18-21.

2001, "Academic hiring practices in archaeology: A *Lingua Franca* report". Presentation for forum on "Women in archaeology: Current conditions and long range forecast" for the annual meeting of the Society for American Archaeology, New Orleans, Louisiana, April 18-22.

2000, "When do hominids become human?: Clues from the Middle and Later Stone Age of Southwestern Tanzania". Paper presented at the 3rd conference on Human Evolution and Disease, Cold Spring Harbor, New York, October 25-29.

2000, "The Middle and Later Stone Age in Southwestern Tanzania". Paper for the 15th biennial meeting of the Society of Africanist Archaeologists, Cambridge, United Kingdom, July 12-15.

2000, "The African origin of humans: what recent palaeontological and archaeological work tells us about our common beginnings". Paper for the annual meeting of the Canadian Association of African Studies, Edmonton, Alberta, May 27-30.

2000, "Investigating the origins of modern human behaviour in southwestern Tanzania: a Middle or a Later Stone Age event?" Paper for the Palaeoanthropology Society meeting, Philadelphia, Pennsylvania, April 4-5.

1999, "Investigating the origins of modern human behaviour in southwestern Tanzania: A Middle or a Later Stone Age event?" Paper presented at the second Cold Spring Harbor conference on Human Evolution, Cold Spring Harbor, New York, April 21-25.

1998, "Technological change and the beginnings of modern human behaviour". Paper presented at the annual meeting of the Canadian Association of Physical Anthropologists, Calgary, Alberta, November 1998.

1998, "The Middle-Later Stone Age transition in Southwestern Tanzania". Paper presented at the joint conference of the International Association for the Study of Human Palaeontology / International Association of Human Biologists, Johannesburg and Pretoria, South Africa, June 28-July 4.

1998, "The Middle-Later Stone Age transition in Southwestern Tanzania". Paper presented at the 14th biennial meeting of the Society of Africanist Archaeologists, Syracuse, New York, May 21-24.

1998, "Middle and Later Stone Age prehistory in Southwestern Tanzania". Paper presented at the 63rd annual meeting of the Society for American Archaeology, Seattle, March 24-29.

1997, "Archaeologists, palaeoanthropologists and the people without culture". Presented at the conference on "The Entangled Past", 30th annual Chacmool Conference, Calgary, November 15.

1997, "Investigating the emergence of modern human behaviour in the African Middle Stone Age/Middle Palaeolithic". Poster presented at the Cold Spring Harbor conference on Human Evolution, Cold Spring Harbor, New York, October 7-10.

1996, "Recognizing ethnic identity in the Upper Pleistocene: the case of the African Middle Stone Age/Middle Palaeolithic". Invited paper presented in the session on "Archaeology, language and culture history" organized by John Terrell, American Anthropological Association annual meeting, San Francisco, November 20-24.

1996, "Middle and Later Stone Age prehistory of southwestern Tanzania". Paper presented at the biennial meeting of the Society of Africanist Archaeologists, Poznan, Poland, September 3-6.

1995, "Middle Stone Age technology and adaptation in southwestern Tanzania". Paper presented at the Pan African Association for Prehistory and Related Studies, Harare, Zimbabwe, June 18-23.

1995, "Symbolic behaviour and the African Middle Stone Age/Middle Palaeolithic". Paper presented at the 4th annual meeting of the Palaeoanthropology Society, Oakland, California.

1994, "Out of Africa 2: The first migration of modern humans". Paper presented at Ancient travellers, the 27th annual Chacmool archaeology conference, Calgary.

1994, "Middle Stone age technology in Southwestern Tanzania". Paper presented in the session on Canadian Archaeology Abroad, at the annual meeting of the Canadian Archaeological Association, Edmonton, Alberta.

1994, "Middle Stone age technology and assemblage variability in the Songwe River valley, southwestern Tanzania". Paper presented at the biennial meeting of the Society of Africanist Archaeologists, Bloomington, Indiana.

1993, "The meaning of the Acheulean-Middle Stone Age transition in Africa". Paper presented at the Complexity in the Palaeolithic session of the 26th annual Chacmool conference, Calgary, Alberta.

1993, "The Middle Stone Age in Southwestern Tanzania". Paper presented at the international congress in honour of Mary Leakey, Arusha, Tanzania.

1993, "What happened at the Acheulean-Middle Stone Age transition?" Paper presented at the 2nd annual meeting of the Palaeoanthropology Society, Toronto, Ontario.

1992, "Stone Age archaeology in Southwestern Tanzania". Paper presented at the Canadian Association of Physical Anthropology conference, Edmonton, Alberta.

1992, "The Middle Stone Age in Southwestern Tanzania". Paper presented at the Society for American Archaeology meeting, Pittsburgh, Pennsylvania.

1992, "The Middle Stone Age of the Northern Songwe River, Southwestern Tanzania". Paper presented at the biennial meeting of the Society of Africanist Archaeologists, Los Angeles, California.

1991, "Mitochondrial Eve and the Middle Stone Age". Paper presented in the Biological Determinism and Palaeolithic archaeology session, 90th annual conference of the American Anthropological Association, Chicago, Illinois.

1991, "Culture, environment and the emergence of *Homo sapiens* in East Africa". Paper presented at the 24th annual Chacmool conference on Culture and Environment: a fragile coexistence, Calgary, Alberta.

1991, "An African origin for modern humans?" Paper presented at the Canadian Association of African Studies conference, York University, North York, Ontario.

1991, "Contexts for an African origin of modern humans". Paper presented at the Canadian Anthropology Society meeting, University of Western Ontario, London, Ontario.

1990, "Stone Age beginnings: Archaeological perspectives". Paper presented at the Canadian Anthropology Society meetings, Calgary, Alberta.

1990, "The Acheulean - Middle Stone Age transition in East Africa and the question of modern human origins". Paper presented at the Society of Africanist Archaeologists meeting, Gainesville, Florida.

1989, "Human origins and the sexual division of labour: an archaeological perspective". Paper presented at University of Calgary Chacmool Conference on the Archaeology of Gender, Calgary, Alberta, November.

1989, "Stone age archaeology in East Africa". Paper presented at the Field Museum of Natural History, Chicago, Illinois.

1989, "The Acheulean-Middle Stone Age transition in Tanzania and the origin of modern humans". Paper presented at the Department of Anthropology, University of Chicago, Chicago, Illinois.

1989, "Early stone age archaeology and African Studies: A move towards reconciliation". Paper presented at the annual meeting of the Canadian Association of African Studies, Ottawa, Ontario.

1989, "Acheulean and Middle Stone Age archaeology in Southwestern Tanzania". Paper presented at the Canadian Association for Physical Anthropology Meeting, Vancouver, British Columbia.

1989, "The nature of variation in the African Acheulean". Paper presented at the annual meeting of the Society for American Archaeology, Atlanta, Georgia.

1986, "The distribution and function of spheroids and battered stones: views thirty-four years after Desmond Clark's contribution to the Second PanAfrican Congress on Prehistory". Paper presented at the conference, The Longest Record: The human career in Africa, Berkeley, California.

1984, "Spheroids and battered stones in the African Early Stone Age". Paper presented at the meeting of the Society of Africanist Archaeologists in America, Portland, Oregon.

1984, "Technological approaches for the study of the Earlier Stone Age in Africa". Paper presented at the 27th Annual Meeting of the African Studies Association, Los Angeles, California.

1982, "Spheroids and battered stones". Paper presented at the meeting of the Society of Africanist Archaeologists in America, Berkeley, California, 1982.

As part of my **Sigma Xi Distinguished Lectureship** (2001-2003), I gave the following invited presentations to Sigma Xi chapters (*):

*2003, "Mitochondrial Eve and the Middle Stone Age", at Gustavus Adolphus College, St. Peter, Minnesota, May 3-7. Also gave a presentation about origins of language for a seminar in Psychology on Animal Communications, taught by Dr. Janine Wotton, and one about early human evolution for Geology 112, Evolution of the Earth, taught by Dr. Russell Shapiro.

*2003, "The Great Rift Valley", "The people without culture", and "Mitochondrial Eve and the Middle Stone Age", at Texas Christian University, Fort Worth, Texas, April 16-18.

*2003, "Mitochondrial Eve and the Middle Stone Age", at Mesa State University, Grand Junction, Colorado, April 27-29. Also gave a presentation about human variation for Biology 141, Human Anatomy and Physiology, instructor: Dr. Forbes Davidson, and one about early human evolution for Biology 102, General Organism Biology, Instructor: Dr. Rick Ballard.

*2002. At Oklahoma State University, Stillwater Oklahoma, March 26 to 28, 2002. Presented "The people without culture?" on March 27, 2002. At the 76th annual general meeting and banquet of their Sigma Xi chapter, presented "Mitochondrial Eve and the Middle Stone Age", March 27, 2002. Spoke to Dr. Don Brown's cultural anthropology class (in the Sociology Department) on March 28, 2002.

*2002, presentations at Memorial University of Newfoundland, St. John's, Newfoundland (all three talks), March 16-19.

*2002, "The Great Rift Valley", delivered as the Elizabeth R. Laird Lecture, Memorial University, St. John's Newfoundland, March 19.

*2002, "The Great Rift Valley: East African evidence for our remote past" for the Hoffman LaRoche (=Roche Research) Industrial Chapter of Sigma Xi, Nutley, New Jersey, February 13.

*2001, "The people without culture: The archaeology of early modern humans in Africa". Presentation to University of Alberta chapter, Sigma Xi, February 28.

Graduate Supervision

PhD dissertations and MA theses supervised (most recent first)

Jeffrey Miller, "Middle Stone Age technology and behaviour", Provisional PhD candidate, Anthropology, in progress, 2014 to present.

Jennifer Miller, "The symbolic role of ostrich eggshell beads in the African Middle and Later Stone Age", PhD candidate, Anthropology, in progress, 2012 to present.

Frank Masele, "Patterns of Animal Exploitation during the Middle Stone Age in Tanzania: Zooarchaeology and Taphonomy of the Loiyangalani Open-air and Magubike Rockshelter Faunal Assemblages", PhD candidate, Anthropology, in progress, 2010 to present.

Katie Biittner, "Characterization of Middle and Later Stone Age lithic artifacts from two rockshelter sites in Iringa Region, southern Tanzania", PhD, Anthropology, 2011.

Pastory Bushozi, "Lithic technology and hunting behaviour during the Middle Stone Age in Tanzania", PhD, Anthropology, 2011.

Michael Billinger, "Beyond the racial paradigm: New perspectives on human biological variation", PhD, Anthropology, 2006.

Isaya Onjala, "East African Middle Stone Age technology and the emergence of modern human behaviour", PhD, Anthropology, 2006.

Amy Reedman, "Geoarchaeology of the Magubike Stone Age site, Tanzania". MA, Anthropology, in progress, 2014 to present.

Jeffrey Werner, "The evolution of technological behaviour: An analysis of lithic artifacts from the Magubike archaeological site, Tanzania", MA, Anthropology, 2014.

Jennifer Miller, “The ostrich eggshell beads of Mlambalasi rockshelter, southern Tanzania”, MA, Anthropology, 2012.

Elizabeth Sawchuk, “Later Stone Age and Iron Age Human Remains from Mlambalasi, Southern Tanzania”, MA, Anthropology, 2012.

Katharine Alexander, “A typological and technological analysis of stone artefacts from the Magubike archaeological site, Iringa Region, southern Tanzania”, MA, Anthropology, 2010.

Benjamin Collins, “An Initial Zooarchaeological analysis of Magubike and Mlambalasi: Two Archaeological sites from the Iringa Region of southern Tanzania”, MA, Anthropology, 2009.

Steven Garcin, “A Macroscopic analysis of a Later Stone Age assemblage from southwestern Tanzania”, MA, Anthropology, 2006.

Jarrold Goldsmith, “Acheulean cultural variability: Evidence for continuity or change?”, MA, 2001.

Charmaine Sipe, “An analysis of Later Stone Age assemblages from Southwestern Tanzania”, MA, 2000.

Dennis Sandgathe, “The detection of unmodified flake tools in archaeological assemblages in the Eastern Slopes, Alberta”, MA, Anthropology, 1998.

Natasha Bartels, “A test of non-metrical analysis as applied to the Beaker problem”, MA, Anthropology, 1998.

Gregory Miller, “Middle Stone Age occurrences in Southwestern Tanzania: an assessment of technology and adaptation in the Songwe River Region”, MA, Anthropology, 1993 (Co-Supervisor with D. Lubell).

Graduate Committees

PhD supervisory committee member: (a) complete

Mulegeta DeBalke, “Reimagining resource constraints and affordances: Smallholder, Environment and State Dynamics in Wello, Ethiopia”, PhD, Anthropology, 2012.

Constance Geekie, “Widows of Kilimanjaro”, PhD, Anthropology, 2011.

Sylvie LeBlanc, “Middle Dorset Variability and Regional Cultural Traditions: a Case Study from Newfoundland and Saint-Pierre and Miquelon”, PhD, Anthropology, 2008.

Craig Scott, "Late Palaeocene mammals from near Red Deer, Alberta, and a phylogeny of the earliest Lipoyphyla (Mammalia, Insectivora)", PhD, Biological Sciences, 2007.

Hugh McKenzie, "Mortuary Variability among Middle Holocene hunter-gatherers in the Lake Baikal Region of Siberia, Russia", PhD, Anthropology, 2006.

Misty Weitzel, "Human taphonomy: Khuzhir Nuge XIV, Siberia and Edmonton, Alberta", PhD, Anthropology, 2005.

Keith Jackson, "Contributions to the systematics of Cottoid fishes (Teleostei: Scorpaeniformes)". PhD, Biological Sciences, 2003.

Susan Steen, "The interpretation of musculoskeletal stress marker data from four different Alaskan Eskimo populations", PhD, Anthropology, 2003.

Kent Fowler, "Early Iron Age community organization in Southern Africa: The social and symbolic dimensions of ceramic production, use, and discard at Ndongondwane", PhD, Anthropology, 2002.

Margaret Judd, "Trauma and interpersonal violence in ancient Nubia during the Kerma Period (ca. 2500-1500 BC)", PhD, Anthropology, 2000.

Yazdan Keivany, "Phylogenetic relationships of Gasterosteiformes (Teleostei, Percomorpha)", PhD, Biological Sciences, 2000.

Franca Boag, "Integrated Mediterranean farming and pastoral systems: Local knowledge and Ecological Infrastructure of Italian dry farming", PhD, Anthropology, 1997.

(b) In progress

PhD and MA examination committee member (complete)

Meghan Caldwell, "Northern Coast Salish Marine Resource Management," PhD, Anthropology, 2015.

Tatiana Nomokonova, "Holocene sealing and pastoralism at Sagan-Zaba Cove, Siberia", PhD, Anthropology, 2011.

Vandy Bowyer, "Caribou hunting at ice patches: Seasonal mobility and long-term land use in the Southwest Yukon", PhD, Anthropology, 2011.

Heather Harris, "Remembering 12,000 Years of History: Oral history, indigenous knowledge and ways of knowing in Northwestern North America", PhD, Anthropology, 2002.

Katherine Jack, "Life history patterns of male white-faced capuchins (*Cebus capucinus*: Male-bonding and the evolution of multimale groups", PhD, Anthropology, 2001.

Deborah Shaner, "Soft tissue facial asymmetry and family resemblance in normal and syndrome-affected individuals", PhD, Anthropology, 2000.

Michael MacKinnon, "Animal production and consumption in Roman Italy: the zooarchaeological and textual evidence", PhD, Anthropology, 1999.

François Larose, "Foraging strategies, group size, and food competition in the Mantled Howler Monkey (*Alouatta palliata*)", PhD, Anthropology, 1996.

Muriel Nagy, "Palaeoeskimo cultural transitions: a case study from Ivujivik, Eastern Arctic", PhD, Anthropology, 1996.

Ruben Kaufman, "The nature of agonism and dominance and their relationship to social grooming in the brown lemur, *Eulemur fulvus*", PhD, Anthropology, 1994.

Nancy Collinge, "The development of social cognition in four nonhuman primate species", PhD, Anthropology, 1991.

Kalyna Horocholyn, "Comparative histology of burned mammals using light microscopy", MA, 2013.

Sean Lynch, "Portable XRF analysis of archaeological obsidian from Rebun Island, Japan", MA, 2013.

Peter Stewart, "An objective method for identifying heat-treatment in Swan River chert", MA, Anthropology, 2013.

Brian Leslie, "Residential mobility in the rural Greek past: a strontium isotope investigation", MA, Anthropology, 2012.

Peter Kirchmeier, "A Knife River flint identification model and its application in three Alberta ecozone archaeological assemblages", MA, Anthropology, 2011.

Tia Thomson, "Examination of mtDNA polymorphisms at the Early Neolithic Shamanka I Cemetery, Lake Baikal, Siberia", MA, Anthropology, 2006.

Christie Grekul, "A zooarchaeological analysis of a prehistoric bison kill site in the Bodo Sand Hills of Alberta", MA, Anthropology, 2006.

Cameron Robertson, "Grave Disturbance at Khuzhir-Nuge XIV, Siberia", MA, Anthropology, completed 2006.

Christopher Thomas, “*Ta Tla Mun*: an archaeological examination of technology, subsistence economy and trade at Tatlain Lake, Central Yukon”, MA, Anthropology, 2002.

Ty Heffner, “KaVn-2: An Eastern Beringian Tradition archaeological site in West-central Yukon Territory, Canada”, MA, Anthropology, 2000.

Hugh McKenzie, “Skeletal trauma in the Bronze Age of Tell Leilan, Syria”, MA, Anthropology, 1998.

David Dyck Fehderau, “Towards a theory and method for dispute intervention: a cross-cultural perspective”, MA, Anthropology, 1997.

Trevor Peck, “Late side-notched projectile points on the Northwestern Plains”, MA, Anthropology, 1996.

Marnie Bartell, “Palaeopathology of cranial remains from Predynastic Naqada, Egypt”, MA, Anthropology, 1994.

Kim Palichuk, “Patterns of activity-induced dental abrasion in a skeletal sample from ancient Mendes, Egypt”, MA, Anthropology, 1994.

External examiner

Matt Caruana, “Analyzing Percussive Technology from the Earlier Stone Age Archaeological Record,” PhD, Archaeology, University of the Witwatersrand, South Africa, 2015.

Kokeli Peter Ryano, “The Later Stone Age in the southern Cape, South Africa during the terminal Pleistocene/early Holocene with a focus on Klipdrift Cave,” PhD, Archaeology, University of the Witwatersrand, South Africa, 2014.

Tanya Henderson, “The Development of Public Baths in Campania”, PhD, History and Classics, 2010.

Ahmed Khidir, PhD “Diagenesis, burial history, and reservoir characterization of the Scollard sequence sandstones in Alberta”, PhD, Earth and Atmospheric Sciences; 2010.

William (Guillermo) Innes Barron, “Rationality, evolution and symbolic unity”, PhD, Philosophy, 2001.

Prang Sinhabaedy, “Seismic stratigraphy and geomorphology of the Exmouth Plateau. South-western Shelf, Australia”. MSc, Earth and Atmospheric Sciences, 2011.

Andrew Wendorff, “Lower Triassic Coelacanths of the Sulphur Mountain Formation (Wapiti Lake) in British Columbia, Canada”, MSc, Biological Sciences, 2011.

Basant Kafle, "Stratigraphy, geochemistry and petrography of the Bad Heart Formation, Northwestern Alberta". MSc, Earth and Atmospheric Sciences, 2011.

Brian Rankin, "Early late Paleocene mammals from the Roche Percée local fauna, southeastern Saskatchewan, Canada", MSc, Biological Sciences, 2009.

Keynyn A. R. Brysse, "'Off limits to no one?' - Vertebrate palaeontologists and the Cretaceous-Tertiary impact/mass extinction debate", MA, History and Classics, 2003.

Rabindra Thanju, "Magnetostatigraphy of the Willow Creek Formation in south-western Alberta", MSc, Earth and Atmospheric Sciences, 2003.

Ahmed Khidir, "Sedimentology and diagenesis of the Scollard and Coalspur sandstones in west central-Alberta", MSc, Earth and Atmospheric Sciences, 2002.

Jan Jekielek, "Hybridization of brown lemurs at the Berenty Reserve, Madagascar", MSc, Biological Sciences, 2002.

Craig Scott, "Middle Paleocene mammals from Calgary, Alberta, Canada", MSc, Biological Sciences, 2001.

Jonathan Perry, "Breakdown of food by early fossil primates, assessed with the aid of a machine that simulates mastication", MSc, Biological Sciences, 2001.

Sanjeev Anand, "Expressions of racial hatred and criminal law: the Canadian response", LLM, Law, 1997.

Undergraduate Honours Essays Supervised

Hannah Schmidt, "Climate change and modern human origins", 2011-12.

Rene Studer-Halbach, "Australopithecine diet: Evidence and interpretation", 2011-12.

Sheila Kwasek, "Tinkering with time: Egypt, Israel and the new chronology", 2009-10.

Elizabeth Sawchuk, "*Homo sapiens* remains from the Later Stone Age at Mlambalasi, Tanzania", 2007-08.

Benjamin Flanagan, "Human Origins: Adaptations and environments of the genus *Homo*", 2007-08.

Patricia Simonson, "Savage, side-branch or *sapiens*: Changes in human perceptions regarding the Neandertals", 2003-04.

Krista Gilliland, “Progress in models of human evolution”, 2002-03.

Matt Szarko, “The environmental influence on the stature of fossil hominids: *Homo erectus* versus *Homo sapiens neandertalensis*”, 2002-03.

Melanie Crisfield, “An assessment of the earliest hominids”, 2001-02.

Kaila Folisbee, “Neoteny and human evolution”, 1998-99.

Janet Atkinson, “The applications and contributions of geoarchaeology to the problems of human origins in East Africa: an evaluation”, 1995-96.

Darcy Kolodnicki, “Experiments in archaeological site formation”, 1994-95.

Michael Magee, “The evolution of the hominid brain between *Homo habilis* and *Homo erectus*”, 1991-92.

Michael Fitzpatrick, “The epistemology of intuition and fact in archaeological theory”, 1987-88.

Richard Lello, “The Early Neolithic in West Mediterranean Europe”, 1985-86.

Grants, Awards and Contracts (as Principal Investigator)

2014, Killam Conference Travel Grant, Office of the Vice-President (Research), University of Alberta; \$5,000 to attend the 21st biennial meeting of the Society of Africanist Archaeologists and the 14th PanAfrican Congress of Prehistory and Related Sciences, Johannesburg, South Africa, July 14-18.

2011-2014, Standard Research Grant #410-2011-0117, SSHRC for project “The Evolution of modern humans in southern Tanzania: Further investigations by the Iringa Region Archaeological Project”; \$49,700 for Year 1, \$46,500 for Year 2, and \$48,500 for Year 3
Collaborators: Dr. Katie Biittner (University of Alberta), Dr. Pastory Bushozi (University of Dar es Salaam), Dr. Anne Skinner (Williams College) and Dr. Christopher Stringer (Natural History Museum, London).

2010, Personnel and Services Grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project “Later Stone Age human adaptations at Mlambalasi rockshelter, Tanzania”, Fall; \$ 4,400.

2008-2011, Standard Research Grant #410-2008-0061, SSHRC for project “The Evolution of modern humans in southern Tanzania”; \$59,250 for Year 1, \$75,000 for Year 2, and \$34,500 for Year 3.

2008-2009, Post-PhD Research Grant, Wenner-Gren Foundation for Anthropological Research, New York, for project “The origins of behavioural modernity in southern Tanzania”; \$18,730 US.

2008-2009, Killam Cornerstone Operating Grant, Office of the Vice-President (Research); for project “The origins of modern humans in southern Tanzania”; \$20,000.

2007, Equipment Materials and Personnel Grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project “From the Middle to the Later Stone Age in southern Tanzania”, Spring; \$6222.16.

2006, Killam Cornerstone Small Operating Grant, Office of the Vice-President (Research). For project “Upper Pleistocene Prehistory of southern Tanzania”; \$7,000.

2006, Travel Grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project “Middle and Later Stone Age prehistory of southern Tanzania”; Spring, \$3000.

2006, Humanities, Fine Arts, Social Sciences Fund, Travel conference grant to attend 71st annual meeting of the Society of Africanist Archaeologists, San Juan, Puerto Rico, April 26-30; \$900.

2006, 2007 and 2008, Wadsworth International Fellowship to Pastory Bushozi for PhD studies under the supervision of Dr. Pamela Willoughby. Awarded by the Wenner-Gren Foundation for Anthropological Research, \$15,000 US in 2006, and \$17,500 US per year for 2007 and 2008. He has also received a fourth year of funding from them for 2009 as a Wadsworth International Dissertation Writeup Fellowship. (As his supervisor, Pamela Willoughby is listed as his co-investigator). Title of project: “Technology and hunting behaviour in the Middle Stone Age of Tanzania”.

2005, Humanities, Fine Arts, Social Sciences Operating grant, “Technology and the origins of modern humans in south-western Tanzania”, \$6500.

2005, Humanities, Fine Arts, Social Sciences Fund, Travel conference grant to attend 12th Congress of the PanAfrican Archaeological Association for Prehistory, Gaborone, Botswana, July 3-10, 2005; \$2500.

2005, Equipment/Materials/Services and Personnel grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project “Middle Stone Age prehistory in southwestern Tanzania”, \$4500.

2004, Humanities and Social Sciences Research Fund, travel grant to present paper at the biennial meeting of the Society of Africanist Archaeologists, Bergen, Norway, \$1400.

2003, SSHRC 4A grant, Office of the Vice President (Research), University of Alberta for project, "The origins of behavioural modernity in the Great Lakes Region of East Africa", \$5000.

2003, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project "The archaeology of early modern humans in Southwestern Tanzania", \$2994.

2003, University of Alberta Conference Fund, grant to support meeting of Edmonton meeting of the Canadian Association for Physical Anthropology, \$3000.

2002-03, 2004-05 and 2005-06, Professional Development International Fellowship to Isaya Onjala for PhD studies under the supervision of Dr. Pamela Willoughby. Awarded by the Wenner-Gren Foundation for Anthropological Research, \$15,000 US per year. (As his supervisor, Pamela Willoughby is listed as his co-investigator). Title of research: "Middle Stone Age technology in central and western Kenya".

2001, Faculty of Arts, University of Alberta, SSHRC 4A grant for research in Tanzania, \$1000.

2001, Travel Grant, Support for the Advancement of Scholarship Fund, Faculty of Arts, University of Alberta, for project "The Middle/Later Stone Age transition in East Africa", \$3000.

2000, Social Sciences Research Fund, University of Alberta, operating grant, "Investigating modern human cultural origins in Southwestern Tanzania", \$5000.

2000, Social Science Research Fund, University of Alberta, travel grant to attend 15th biennial meeting of the Society of Africanist Archaeologists, Cambridge, United Kingdom, July 12-15, \$1200.

2000, University of Alberta, Office of the Vice President (Research), SSHRC 4A operating grant for research in Tanzania, \$2500.

2000, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project "The people without culture: the archaeology of early modern humans in Africa", \$1847.89.

1999, University of Alberta, Office of the Vice President (Research), SSHRC 4A operating grant for research in Tanzania, \$2500.

1999, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project "Modern human behavioural origins in Africa: a Middle or Later Stone Age event?", \$3300.

1998, Social Sciences Research Fund, travel grant to present paper at Dual Congress of the International Association for the Study of Human Palaeontology/International Association of Human Biologists, Sun City, South Africa, June 28-July 4, \$1700.

1996-1999, SSHRC Standard Research Grant #410-96-0240, "Upper Pleistocene cultural adaptation in southwestern Tanzania", \$103,000.

1996, Central Research Fund, travel grant to present paper at the biennial meeting of the Society of Africanist Archaeologists, Poznan, Poland, \$1100.

1995, University of Alberta, Central Research Fund, travel grant to present paper at the 10th Congress of the Pan African Association for Prehistory and Related Studies, Harare, Zimbabwe, \$1700.

1995, University of Alberta, Central Research Fund, operating grant, "Upper Pleistocene cultural change in southwestern Tanzania", \$3000.

1995, University of Alberta, Central Research Fund, special SSHRC 4A operating grant for research in Tanzania, \$4000.

1995, Association of Commonwealth Universities, London; Gordon and Jean Southam Fellowship (=ACU Development Fellowship), for project "Cultural evolution in Tanzania: a long-term perspective", £5000.

1995, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project "Chronology of Upper Pleistocene cultural adaptation in southwestern Tanzania", \$3450.

1994, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta for project "Experimental analysis of stone tool uses", \$2000.

1993, University of Alberta, Central Research Fund, travel grant to present paper at the conference "Four million years of hominid evolution in Africa", Arusha, Tanzania, \$1500.

1993, University of Alberta, Central Research Fund, operating grant, "Stone age prehistory of the Songwe Valley, Lake Rukwa Basin, Southwestern Tanzania", \$3000.

1993, Boise Fund, Oxford University, research grant, "Stone age prehistory of the Songwe Valley, Lake Rukwa Basin, Southwestern Tanzania", £1000.

1992, University of Alberta, Central Research Fund, travel grant to present paper at the Society for American Archaeology conference, Pittsburgh, Pennsylvania, \$575.

1992, University of Alberta, Central Research Fund, operating grant, "Prehistoric archaeology in the Northern Songwe Valley, Southwestern Tanzania", \$3000.

1990-1991, SSHRC Research Grant # 410-90-0408, "Stone Age Prehistory of the Lake Rukwa basin, Southwestern Tanzania", \$56,322.

1989, University of Alberta, Central Research Fund, travel grant to present paper at the Society for American Archaeology conference, Atlanta, Georgia.

1989, Research Grant, L. S. B. Leakey Foundation, "Early and Middle Stone Age Technology and Adaptation in Southern and Central Tanzania, \$4000 US.

1989, Robert O. Bass Visiting Scientist Grant to examine Tanzanian Stone Age collections, Field Museum of Natural History, Chicago, Illinois, \$2000 US.

1989, Equipment/Materials/Services grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta, \$1340.

1988, Travel Grant, Support for the Advancement of Scholarship, Faculty of Arts, University of Alberta, for visit to Tanzania to arrange field research, \$2000.

1987-1992, Canada Research Fellowship, Social Sciences and Humanities Research Council of Canada and the Killam Foundation, University of Alberta.

Scholarships and awards received as an undergraduate and graduate student (most recent first)

1984, Graduate Student Prize, Robert B. Campbell Book Competition, Friends of the UCLA Library, for bibliography and book collection titled "Nelson's Navy in Fact and Fiction".

1984, Nonresident Tuition Scholarship, University of California at Los Angeles.

1982-84, Nonresident Tuition Scholarships, University of California at Los Angeles.

1982-83, Franklin Mosher Baldwin Fellowship, L. S. B. Leakey Foundation.

1982, Travel Grant, Chancellor's Patent Fund, University of California at Los Angeles, Graduate Division.

1981, Travel Grant, Research Opportunity Fund of the Academic Senate, University of California.

1979-1982, Doctoral Fellowships, Social Sciences and Humanities Research Council of Canada.

1980-81, Registration Fee and Nonresident Tuition Scholarship, University of California at Los Angeles.

1978-79, Chancellor's Nonresident Tuition Scholarship, University of California at Los Angeles.

1974-75, Canada Council Special MA Scholarship, award #745263.

1973, Ruth Benedict Prize in Anthropology, Trent University.

1970, 1972, 1973, Trent University Scholarships.

1970, Ontario Scholarship.

Research, Field Studies (most recent first)

Directed archaeological and geochronological research in Iringa from June to August 2012.

Directed archaeological excavations at Mlambalasi rockshelter, Iringa Region, Southern Tanzania, July 4 - August 20, 2010; accompanied by five graduate students.

Directed an archaeological survey and test excavations in Iringa Region, Southern Tanzania, July 25 - November 6, 2008; accompanied by four graduate students.

Directed an archaeological survey and test excavations in Iringa Region, Southern Tanzania, July 19 - August 30, 2006; accompanied by two graduate students.

Directed an archaeological survey and test excavations in Mbeya Region, Southern Tanzania, June 4 - July 3, 2005.

Directed an archaeological survey and excavations in the Songwe River valley, Southwestern Tanzania, June 6 - August 5, 1997.

Directed archaeological excavations in the Songwe River Valley, Southwestern Tanzania, July 7 - August 18, 1995.

Directed an archaeological survey of the Songwe River valley, Lake Rukwa basin, Southwestern Tanzania, August 3 - November 24, 1990.

Travel to identify archaeological sites in the Lake Rukwa Rift Valley, southwestern Tanzania, June 21 - August 9, 1989.

Study tour of Kenya and Tanzania to arrange field site for 1989 project. Visited the National Museums of Kenya, Nairobi and Department of Antiquities, Dar es Salaam. Was also a visitor to Koobi Fora Field School, East Turkana, Kenya. Tour dates: June 13 - August 10, 1988.

Field assistant, Gambaga Archaeological Research Project, northern Ghana, directed by Dr. François Kense, Edmonton, Alberta, June 5 - July 15, 1987.

Dissertation research, travel to examine Early Stone Age archaeological collections at the following institutions: Institut de Paléontologie Humaine, Paris, France; Institute of Archaeology, Hebrew University of Jerusalem, Jerusalem, Israel; National Museums of Kenya, Nairobi, Kenya; National Museum of Tanzania, Dar es Salaam, Tanzania; Livingstone Museum, Livingstone, Zambia; Queen Victoria Museum, Harare, Zimbabwe; Department of Archaeology, and the Archaeological Research Unit, University of the Witwatersrand, Johannesburg, and the Transvaal Museum, Pretoria, South Africa, June 14 - December 8, 1982.

Participant in summer school on Lithic Microwear analysis. Coordinator: Dr. Lawrence Keeley, Department of Anthropology, University of Illinois at Chicago Circle, Chicago, Illinois, June 18 - July 2, 1980.

Senior field assistant on the Predynastic of Egypt project. Director: Dr. Fekri Hassan, Department of Anthropology, Washington State University, Pullman, Washington, June 18 - July 24, 1978.

Assistant field director at Ain Misteheyia, an ecological analysis of prehistoric Algerian Capsian escargotières. Director: Dr. David Lubell, Department of Anthropology, University of Alberta, Edmonton, Alberta, June 28 - August 27, 1976.

Field assistant at Le Flageolet, an Upper Palaeolithic rockshelter in the Dordogne River valley, France. Director: M. Jean-Philippe Rigaud, Laboratoire de Préhistoire et Géologie du Quaternaire, Université de Bordeaux, 33405, Talence, France, July 30 - August 31, 1975.

Field assistant on a Palaeo-Indian site in the Rocky Mountain foothills near Grande Cache, Alberta (the Smokey site). Director: Mr. J. Brink, Department of Anthropology, University of Alberta, Edmonton, Alberta, May 24 - June 27, 1975.

Field assistant at the excavation of an historic War of 1812 British fort, Fort George, Niagara-on-the-Lake, Ontario. Director: Dr. J. P. Wilson, National Historic Sites Service, Department of Indian and Northern Affairs, Government of Canada, May 21 - August 31, 1974.

Senior research assistant on a Canada Council-sponsored examination of the art, ethnohistory and archaeology of the Indians of the Northwest Coast of North America. Director: Dr. J. Vastokas, Department of Anthropology, Trent University, January 1973 - May 1974.

Student Assistant at the excavation of a proto-historic Huron Indian Le Caron village site, in Simcoe County, Ontario. Director: Mr. J. P. Rexe, History Department, Thomas A. Stewart Secondary School, Peterborough, Ontario, July 1 - August 15, 1972.

Grant reviewer for

European Research Council
Fonds Québécois de la Recherche sur la Société et la Culture
Leakey Foundation

National Environmental Research Council, United Kingdom
National Geographic Society
National Science Foundation
Netherlands Organization for Scientific Research (NWO) and the Council for the Humanities
Wenner-Gren Foundation for Anthropological Research

Manuscript reviewer for peer reviewed journals

African Archaeological Review
African Studies Review
Azania
Current Anthropology
International Journal of Osteoarchaeology
Journal of African Archaeology
Journal of Anthropological Archaeology
Journal of Archaeological Science
Quaternary International
South African Archaeological Bulletin

Membership in Professional Organizations

American Anthropological Association (elected Fellow, April 1993)
American Association for the Advancement of Science
American Association of Physical Anthropologists
Archaeological Institute of America
Associate of *Current Anthropology*
Association of Southern African Professional Archaeologists
The British Institute in Eastern Africa
Canadian Archaeological Association
Canadian Association for Physical Anthropology
Canadian Quaternary Association
East African Association for Palaeoanthropology and Palaeontology
Leakey Foundation (Founding member of the Alumni Council)
Paleoanthropology Society
Sigma Xi: The Scientific Research Society
La Société Préhistorique Française
Society for American Archaeology
Society of Africanist Archaeologists

Reviews of faculty for promotion

External assessor for promotion case at the University of Calgary, November 2014.

External assessor for the renewal of a Tier 2 Canada Research Chair in archaeology and palaeoanthropology, Simon Fraser University, January 2012.

External assessor for promotion and tenure of an academic librarian at the University of Alberta, December 2011.

External assessor for the renewal of a Tier 2 Canada Research Chair in archaeology, University of Calgary, November 2007.

External assessor for a Tier 2 Canada Research Chair in human palaeontology, Simon Fraser University, February 2007.

External assessor for promotion and tenure case of a faculty member from the University of Victoria, October 2006.

External assessor for promotion and tenure case of a faculty member from Bowdoin College, 2000.

University Administration (most recent first)

(1) Department of Anthropology

Chair, 2012 to present.

Curator of Archaeology, 1994 to present.

Library Representative, 2001 to 2012.

Alternate, Dean's Advisory Selection Committee, Bioarchaeology position, 2011-2012.

Associate Chair, Undergraduate Programs, January 1, 2004 to June 30, 2008 and January 1 to June 30, 2009.

Member, Dean's Advisory Selection Committee, Anthropology of Science and/or Technology position, 2004-2005.

Member, Graduate Admissions Committee, 1991-1992, 1994-1995, 1997-1998, 2001-2002, 2004-2005.

Member, Graduate Awards Committee, 1992-1993, 1995-1996, 1998-1999, 2002-2003, 2005-2006, 2009-2010, 2011-12.

Member, Visiting Speakers Committee, 1992-1994.

Member, Arts Faculty Representative Council, 1989-1990, 1991-1992, 1993-1994, 1994-1995.

Member, Curriculum Committee, 1988-1989, 1989-1990, 1991-1992.

Member, Research Ethics Board, 1987-1988, 2001-2003.

Member, Honours Committee, 1987-1988.

Member, Advisory Committee to Chairman on Salaries and Promotions, 1987-1988, 1988-1989, 1989-1990.

Member, Capital Equipment and Budget Committee, 1992-1993, 1993-1994, 1994-1995.

Member, Anthropology 101 Review Committee, 1993-1994.

Member, Chair Selection Committee, 1994-1995.
Member, Graduate Programmes Committee, 1995-1996, 1998-1999.
Member, Undergraduate Programmes Committee, 2010-2011.

(2) Faculty of Arts

Chair, Library Committee, March 2009-2012.
Member, Faculty Evaluation Committee, 2009-2012.
Member, Selection committee for Director of Science, Technology and Society (STS) Interdisciplinary Programme, 2007.
Member, screening committee for History of Middle Eastern Societies joint position in MEAS and History and Classics, 2007.
Member, Library Committee, 2003-2005.
Member, Science, Technology and Society (STS) Advisory Committee, 2003-present.
Member, Middle Eastern and African Studies (MEAS) Advisory Committee, 2003-present.
Member, Director Selection Committee, MEAS, 2003-2004.
Library Representative for MEAS, 2000-present.
Member, Dean of Arts Advisory Committee for Consortium on Middle Eastern and African Studies (CMEAS), 2000 to 2003.
Member, Support for the Advancement of Scholarship Committee, 1997-2000, 2005-2008.
Chair, Academic Appeals Committee, 1996.
Secretary - Treasurer, Area Studies Committee on Africa and South Asia, 1989-1992.
Member, Research Committee, 1993-1996.
Alternate for Social Sciences, Support for the Advancement of Scholarship Committee, 1993-1996.

(3) University

Member, Chair's Council Executive (CCE), 2014-2016.
Member, Provost's Advisory Council of Chairs (PACC), 2014-2016.
Member, Provost's Standing Advisory Council on International Engagement (SACIE); specifically, a "faculty representative engaged in international activities"; 2011-2014.
Member, FGSR Recruitment Scholarship Committee, 2007-2010.
Provost and Vice-President (Academic)'s representative to Chair Selection Committees, 2007-2012.
GFC Representative, Dean of Science Review Committee, 2008.
Provost and Vice President (Academic)'s Representative, Selection Committee for Director, School of Library and Information Studies, 2007.
Member, Association of Academic Staff: University of Alberta (AAS:UA) Council, 2000-2006.
Academic Staff Member, GFC Academic Appeals Committee, 2001-2013.
Vice President, 2001-2002, President 2002-2003, University of Alberta chapter, Sigma Xi; member of executive since 2003.
Member, AAS:UA Executive Replacement Committee, 2001-2005.
Member (GFC representative), Search Committee for Chancellor, 2000.

Member, Selection Committee for the Vice President (Research) / Faculty of Graduate Studies Award for excellence in mentoring graduate students, Fall 1999, Winter 2001, Winter 2002.
Chair, Curators Committee, 1997-2000.
Member, General Faculties Council, 1997-2000; January - December 2002.
Member, Collections Committee, 1997-2000.
Member, Policy and Planning Committee for the Department of Museums and Collections, 2007 to present.
External Member, Faculty of Science Research Ethics Board, 1999 to 2001.
Member, University of Alberta Steering Committee, Commonwealth Universities Study Abroad Consortium, 1996-1997.
Member, Selection Committee, Dean of Students, 1997.
Member, Curators Committee, 1995 to present.
GFC (General Faculties Council) Undergraduate Awards and Scholarships Committee, Member 1991-1992; Vice-Chair, 1992-1993; Chair, 1993-1994.

(4) National / International

Member, Selection Committee, Group 2 (Anthropology, archaeology, linguistics, translation, political science, public administration, law, criminology, geography, urban planning and environmental studies, and related fields), SSHRC Insight Development Grants, 2013, 2015.
Recording Secretary, Society of Africanist Archaeologists, 2008 to 2012.
Member, College of Reviewers, Canada Research Chair Program, 2007 to present.
Member, Committee on Qualifications and Membership, Sigma Xi: The Science Research Society, 2003-2007.
Ex officio Member, Executive Board of the Society of Africanist Archaeologists, 1994 to 2012.

Selected Professional Activities (most recent first)

“What made hominins human? The Archaeology of the Earliest Modern People in East Africa”. Public talk for the Strathcona Archaeological Society and the Telus World of Science, Edmonton, in their Digging up the Past: An Archaeology Speakers Series, February 13, 2015. This is in association with the Indiana Jones exhibit at the Telus World of Science.

Interviewed on April 10, 2014 by Niobe Thompson for Clearwater Documentary’s new television series on the origin and dispersal of modern humans. This three part series, produced by Dr. Niobe Thompson and titled “The Human Odyssey”, was broadcast in February 2015 on CBC’s *The Nature of Things* and will be broadcast in Fall 2015 on PBS’s *Nova*.

“The origins of modern humans: a perspective from East Africa”. Invited Sigma Xi lecture for the University of New Mexico, November 14, 2013.

“The Middle Stone Age and the early evolution of *Homo sapiens* in Iringa, southern Tanzania”. Invited lecture for the Department of Anthropology, University of New Mexico, November 2013.

“Middle Stone Age archaeology at Magubike, a rockshelter in southern Tanzania, East Africa”. Presentation for the Grant Macewan University’s Anthropology Student Society, November 30, 2012.

Interviewed by Jamie Hanlon, University of Alberta Communications Office about my research on September 11, 2012. Resulting article, “Tracing humanity’s African ancestry”, was posted on the University of Alberta’s home page on December 13, 2012 (<http://news.ualberta.ca/newsarticles/2012/12/tracinghumanitysafricanancestry>).

Helped staff the display booth at the graduate fair at the annual meeting of the American Anthropological Association, San Francisco, November 17, 2012.

“Did a late ice age bottleneck produce the first truly modern humans in East Africa?” Talk for Fringe Fridays, Department of Anthropology, October 14, 2011.

Helped staff the display booth at the graduate fair at the annual meeting of the American Anthropological Association, Montreal, November 19, 2011.

“The archaeology of early modern humans in southern Tanzania”. Talk for monthly meeting of the Archaeological Institute of America, Edmonton chapter, October 21, 2010.

Helped staff the Anthropology Department’s display table in the Butterdome for the University of Alberta Open House, October 23, 2010.

Prepared a successful nomination of (then) PhD candidate Katie Biittner for a Faculty of Arts Graduate Teaching Award, February 2011.

Helped colleagues in the Department of Anthropology to prepare a successful nomination of Professors Emeriti Ruth Gruhn and Alan Bryan for the Museums and Collections Services inaugural Curator Hall of Fame, March 2011.

Supervised Athira Rao, a visiting student and research assistant/ intern from the Hyderabad University, India, May-July 2011. Funded through University of Alberta International and the Faculty of Arts.

Did a videotaped interview about my Tanzanian research with representatives of the National Geographic at the annual meeting of the Society of American Archaeology, Sacramento, California, March 31, 2011.

“Happy 200th birthday Mr. Darwin”. Invited presentation for Darwin’s birthday; University of Alberta Anthropology Undergraduates (UAAU), February 13, 2009.

Gave interview to Michelle Thompson of the *Edmonton Sun* about the Federal Minister of Science and Technology’s reluctance to discuss if he believed in evolution; March 17, 2009.

Invited external reviewer of proposed BA in Sociology and Anthropology at Red Deer College, May 2007.

Member, research group on “What Kinds of People should there be?” 2006 to present.
Member, SSHRC Canadian Knowledge Cluster in the History and Philosophy of Science / Science and Technology Studies, 2006 to present.

As part of my role as Associate Chair (Undergraduate Programs), I created “News for undergraduates” web page with basic information about the Department, the Faculty of Arts Undergraduate Student Services office, my role as undergraduate and honours advisor, lists of jobs scholarships, field schools and research opportunities, as well as how to apply to graduate school (<http://www.arts.ualberta.ca/~pwilloug/news.html>).

Member, Alberta Consortium on the History of Eugenics (ACHE), 2006 to present.
Member, organizing committee, 18th biennial meeting of the Society of Africanist Archaeologists, University of Calgary, Calgary, Alberta, June 22-26, 2006.

Invited by Oxford University Press (New York) to review a book prospectus titled “The Ideology of Race: The ‘Great Race’ model and its implications for human affairs”, June 2006.

Attended two workshops offered by the Academic Leadership Development Program for new Department Chairs/Associate Deans: (1) Quick-start orientation, October 26, 2005 and (2) Academic planning at the University of Alberta, February 9, 2006.

Attended workshop on Employment equity and human rights considerations for academic staff selection committees, October 25, 2005.

Organized symposium on “From stone to cell phone: The origins and evolution of technology”, for “Tools of the Trade”, the 38th annual Chacmool conference, Calgary, November 2005.

Member, organizing committee, 31st annual conference of the Canadian Association for Physical Anthropology, Edmonton, Alberta, October 23-25, 2003.

“Mitochondrial Eve and the origins of *Homo sapiens*”. Seminar presentation to the University of Alberta Science and Humanities Circle, March 5, 2003.

“Mitochondrial Eve and the African Stone Age”. Invited talk for Edmonton chapter of the Archaeological Institute of America, November 23, 2000.

“People without culture? The archaeology of early modern humans in Africa”. Invited by Office of Public Affairs to talk at Saturday Sampler (University of Alberta alumni reunion weekend), September 16, 2000.

Presentation to incoming international graduate students on expectations of professors and supervisors as part of Transitions 99, a programme sponsored by the Graduate Student Association, September 3, 1999.

Selected Public Activities (most recent first)

“The origins and early evolution of modern humans in Tanzania”. Invited presentation for the Saturday Scholars series at the University of Alberta Alumni Reunion, September 28, 2013.

“The Middle Stone Age in southern Tanzania”. Presentation for the Strathcona Archaeological Society, February 21, 2013.

“Middle Stone Age archaeology at Magubike, a rockshelter in southern Tanzania, East Africa”. Presentation for the Grant MacEwan University’s Anthropology Student Society, November 30, 2012.

“The evolution of early modern humans in southern Tanzania”. Invited talk for Grant MacEwan University’s Student’s Society, March 7, 2012.

“The archaeology of early modern humans in southern Tanzania”. Invited presentation for the Anthropology Department, McGill University, November 18, 2011.

Interviewed by Jennifer Allford, Calgary, for the Alberta Health Services’ *Apple Magazine* about the evolutionary significance of social life for human babies, November 2, 2011.

Interviewed by Beatrice Fantoni, Postmedia News, about the genetics of Neanderthal – modern human interbreeding on July 18, 2011. Resulting story appeared in a number of Canada.com newspapers including the *Edmonton Journal*, *Vancouver Sun*, *Montreal Gazette*, and the *National Post* on the same day. My comments were reprinted in many different news stories in a variety of countries.

Interviewed via e-mail by Alicia Chang, Associated Press re forthcoming *Nature* paper about an earlier origin for the Acheulean. August 26, 2011.

Radio and television interview by Alison Myers, CBC Calgary, re new fossil australopithecine skeletons from South Africa, April 7, 2010. Broadcast on World Report (CBC Radio 1 nationally, April 8, 2010). Also on cbc.ca: <http://www.cbc.ca/technology/story/2010/04/08/tech-fossil-human-ancestor.html>. Televised version on local CBC television news at 6 pm on April 8, 2010.

“The Evolution of modern humans in southern Tanzania”. Invited presentation to 347 secondary school teacher trainees at Mkwawa University College, Iringa, Tanzania, October 19, 2008,

“The Evolution of modern humans in southern Tanzania”. Invited presentation to the Archaeology Unit, University of Dar es Salaam, September 26, 2008.

Gave the Faculty of Arts Visiting Committee a tour of the collections of the Department of Anthropology, November 2, 2007.

Was interviewed by Rebecca Dube, Life Reporter for *The Globe and Mail* about creationism and evolution, June 18, 2007. Article titled “What does that Darwin know anyway?” published June 19, 2007 in print and online.

“Darwin, anthropology and evolution”. Invited presentation for Darwin’s birthday; University of Alberta Anthropology Undergraduates (UAAU), February 12, 2007.

Presented Department of Anthropology workshop on applying to graduate school, November 27, 2006.

Interviewed about remote sensing and archaeology by Daniel Melvin, second year geomatics student at NAIT, October 20, 2006.

“People like us: The African origins of modern humans”. Invited talk for the Dr. Walter H. Johns Alumni Circle, University of Alberta Alumni Association, October 19, 2006.

“The Department of Anthropology in the mid 1970s and afterwards – a personal perspective”. Presentation for Department of Anthropology’s 40th anniversary forum, September 29, 2006.

Invited class organizer for 2006 30th anniversary reunion for MA alumni, University of Alberta Alumni Association.

Two presentations each on “What is an anthropologist and how do I become one?” for the University of Alberta Open House, October 2, 2004, October 1, 2005, and September 30, 2006.

Assisted Shirley Harpham, Archaeology technologist, in presentation of Trowels, Trilobites and Treasures, a public programme for children sponsored by Museums and Collections Services, University of Alberta, March 2000, 2001, 2002, 2006.

Chaired Department of Anthropology workshop on applying to graduate school, November 25, 2005.

Interviewed by Chris Chow from NTV, NAIT’s college news station about creationism and evolution, November 17, 2005.

Invited talk about past civilizations and a flint knapping demonstration for grade 6 to 8 students at Amherst Island Public School, Stella, Ontario, October 7, 2005.

Attended Arts Alumni Spring Tea on behalf of the Chair, Department of Anthropology (and as an alumna), May 2004 and 2005.

Participated in Department of Anthropology graduate student research ethics workshop, February 7, 2005.

Represented Department of Anthropology at first ever Majors Fair at Lister Hall undergraduate student residence; January 24, 2005 (information session and booths re undergraduate programmes for residents).

“Mitochondrial Eve and the origins of *Homo sapiens*”. Seminar presentation to the University of Alberta Science and Humanities Circle, March 5, 2003.

“Modern human origins: the view from Tanzania”. Presentation for the UAAU (University of Alberta Anthropology Undergraduates) meet your anthropology professor event, March 3, 2003.

Interviewed by Dave Arnold, CHQR-77 Radio afternoon programme in Calgary, about new fossil hominid find in Chad, July 11, 2002.

Interviewed by Don Hill, “The Nightwatch”, CBC AM Radio about new fossil hominin find in Chad, July 10, 2002.

Represented the University of Alberta at Provincial Museum of Alberta reception for the Board of Trustees and the Director of the Canadian Museum of Civilization, June 24, 2002.

Interviewed about my research by Patrick Senson, Producer, *Quirks and Quarks*, Canadian Broadcasting Corporation, February 26, 2002. Re-interviewed on April 1 and 8, 2002. Participated in discussion with Dr. Richard Klein, Stanford University, and Dr. Ariane Burke, University of Manitoba on the origin of modern human culture. Broadcast as the feature story on *Quirks and Quarks* on April 13, 2002 (<http://radio.cbc.ca/programs/quirks/archives/01-02/apr1302.htm>).

Interviewed by Dawn Walton, *Globe and Mail* Calgary office, about Alan Templeton’s *Nature* article on reinterpreting genetic data about the origins of *Homo sapiens*, March 5, 2002. Cited in online version of article “Ancestors revealed as lovers, not fighters”, published March 7, 2002.

Interviewed by Gareth Cook, Science writer for the *Boston Globe*, about my presentation to the AAAS conference (see under conference papers), February 8, 2002.

Participated in press conference about our session on the archaeology of early modern humans sponsored by the American Association for the Advancement of Science (AAAS) at their annual conference in Boston, MA, February 15, 2002.

Invited talk about archaeology as a career and a flint knapping demonstration for grade 6 to 8 students at Amherst Island Public School, Stella, Ontario, December 21, 2001.

Interviewed by Tiffany Mayer of @Discovery Canada in regards to genetic study of Mungo man from Australia and modern human origins; January 18 and January 23, 2001. The resulting article can be seen at <http://www.exn.ca/Stories/2001/04/26/53.asp>.

“Mitochondrial Eve and the African Stone Age”. Invited talk for Edmonton Chapter, Archaeological Institute of America, November 23, 2000.

“The people without culture? The archaeology of early modern humans in Africa”. Talk for Saturday sampler (University of Alberta alumni reunion weekend), September 16, 2000.

Interviewed by James Hees, Host of Radioactive, CBC Radio One, about origins lecture (see next entry), November 14, 2000.

“Genes, fossils and stone tools: What do they tell us about human origins?” Talk for the Department of Museums and Collections Services’ Origins lecture series, November 15, 2000.

Interviewed by QR77 radio, Calgary, Alberta, about new robust australopithecine find from Drimolen, South Africa, April 27, 2000.

Chaired session on “The place of ‘tradition’ in the Renaissance” for the Third annual conference of the Africa Society, Edmonton, March 25, 2000.

“What’s new in African human evolution research?” Talk for Anthropology Students Society, Grant MacEwan Community College, November 19, 1999.

Member, Committee on the Status of Women in Archaeology (COSWA) of the Society for American Archaeology, 1996-1999.

Founding member, Northern Alberta area selection committee for the Canadian Merit Scholarship Foundation (CMSF), 1994 to 1996 and 2004. Chair of this committee from 1997 to 2003.

Mentor/University of Alberta contact for Canadian Merit Scholarship Foundation award winners, 1997 to 2004.

Numerous talks to public schools about archaeology and anthropology; have also been job-shadowed and interviewed by a number of students every year.

Courses Taught at the University of Alberta

Anthropology 101, Introduction to Anthropology; 1991/92, 1992/93, 1993/94, 1994/95, 1999/2000 (twice, shared with Dr. Michael Evans)

Anthropology 150, Race and Racism, 1985/86, 1995/96, 1997/98, 2001/02, 2002/03, 2003/04

Anthropology 202, Introduction to Anthropology, 1985/86, 1986/87

Anthropology 206, Introduction to Archaeology, 1985/86, Spring 1986, Spring 1987, 1999/2000

Anthropology 209, Introduction to Physical Anthropology, 1985/86, 1998/99

Anthropology 219, World Prehistory, 1986/87 (twice), 1990/91, 1991/92, 2010/11, 2011/12

Anthropology 230, Technology and Culture, 1985/86

Anthropology 312, Lower Palaeolithic Prehistory, 1985/86, 1987/88, 1989/90, 1991/92, 1993/94, 1995/96, 1998/99, 2000/01, 2002/03, 2004/05, 2006/07, 2008/09, 2010/11, 2012/13, 2014/15

Anthropology 313, Middle and Upper Palaeolithic Prehistory, 1994/95, 1995/96, 1997/98, 1999/2000, 2001/02, 2003/04, 2005/06, 2007/08, 2009/10, 2011/12, 2013/14, 2014/15

Anthropology 391, Hominid Origins, 1987/88, 1988/89, 1989/90, 1991/92, 1993/94, 1994/95, 1995/96, 1997/98, 1998/99, 1999/2000, 2000/01, 2001/02, 2002/03, 2003/04, 2004/05, 2005/06, 2006/07, 2007/08, 2008/09, 2009/10, 2010/11, 2012/13, 2013/14, 2014/15

Anthropology 481, Development of Archaeological Method and Theory, 1992/93, 1994/95, 1998/99, 2002/03, 2004/05, 2006/07, 2010/11

Anthropology 486 / Anthropology, 593, Evolution and Social Life.

(a) Topic: The Origin and Dispersal of Modern Humans, 1992/93, 1994/95, 1997/98, 2001/02, 2003/04, 2009/10, 2011/12

(b) Topic: What does it mean, in evolutionary terms, to be a modern *Homo sapiens*?, 2005/06, 2007/08

Anthropology 491, Stone Tools: 1988/89, 1990/91, 1992/93, 1994/95

Anthropology 495, Archaeological Methods, 1986/87

News stories about research

"The origins and early evolution of modern humans in Tanzania". Invited Alumni Saturday talk September 28, 2013.

Interviewed by Jamie Hanlon, University of Alberta Communications Office about my research on September 11, 2012. Resulting article, "Tracing humanity's African ancestry", posted on University of Alberta's home page on December 13, 2012.

(<http://news.ualberta.ca/newsarticles/2012/12/tracinghumanitysafricanancestry>).

My 2008/09 Wenner-Gren grant-winning research was featured in a story in *Anthropology News* 50(4): 29 (American Anthropological Association), April 2009.

Interviewed by Jennifer Akers, Communications Assistant, Faculty of Arts, about my SSHRC Standard Research Grant, June 27, 2008. Resulting article was posted on their web site on September 2, 2008.

“Early man’s ascent still just conjecture” by Michael Smith, *Calgary Herald*, Feb. 16/2002. The same article also appeared in the *Vancouver Sun* and the *Ottawa Citizen*.

“When did hominids become human?” by Pamela R. Willoughby. Guest column for *University of Alberta Express News*, September 14, 2000.
<http://www.ualberta.ca/ExpressNews/ideas/guest/2000/091300.htm>.

“Early culture”, by Rick Pilger. *New Trail* (University of Alberta Alumni magazine) 55(2): 10, (Autumn 2000).

“The origins of modern human behaviour” by Pamela Willoughby. *The Friends of the University of Alberta Museums Newsletter*, summer 2000, pp. 5-6.

“When did history begin?” by David Dicenzo. *Folio* (University of Alberta Newspaper) 37(16): 12, April 28, 2000. (<http://www.ualberta.ca/~publicas/folio/37/17/back.html>).