

AMBOSELI ELEPHANT RESEARCH PROJECT PUBLICATIONS

The following is a list of peer-reviewed publications resulting from participation in the Amboseli Elephant Research Project. Ph.D. theses are included. At the end of the list books and book chapters are listed.

- Archie, E.A. (2005) The relationship between kinship and social behavior in wild African elephants (*Loxodonta africana*). Ph.D. thesis, Duke University.
- Archie, E.A., Hollister-Smith, J.A., Poole, J.H., Lee, P.C., Moss, C.J., Maldonado, J.E., Fleischer, R.C., Alberts, S.C. (2007) Behavioural inbreeding avoidance in wild African elephants. *Molecular Ecology*, 16: 4128-4148.
- Archie, E.A., Morrison, T.A., Foley, C.A.H., Moss, C.J. & Alberts, S.C. (2006) Dominance rank relationships among wild female African elephants, *Loxodonta africana*. *Animal Behaviour*, 71: 117-127.
- Archie, E.A., Moss, C.J. and Alberts, S.C. (2003) Characterization of tetranucleotide microsatellite loci in the African Savannah Elephant (*Loxodonta africana africana*). *Molecular Ecology Notes*, 3: 244-246
- Archie, E.A., Moss, C.J. & Alberts, S.C. (2006) The ties that bind: genetic relatedness predicts fission and fusion of social groups in wild African elephants. *Proceedings of the Royal Society B*, 273:513-522.
- Bates, L.A. & Byrne, R.W. (2007) Creative or created: Using anecdotes to investigate animal cognition. *Methods*, 42: 12-21.
- Bates, L.A., Sayialel, C.N, Njiraini, N.W, Poole, J.H., Moss, C.J. & Byrne, R.W. (in press) Elephants classify human ethnic groups by odour and garment colour. *Current Biology*.
- Bradshaw, I.G.A., A.N. Schore, J.L. Brown, J. H. Poole & C. J. Moss. (2005) Elephant Breakdown. Social trauma: Early disruption of attachment can affect the physiology, behaviour and culture of animals and humans over generations. *Nature*, 433: 807.
- Buchan, J.C., Archie, E.A., Van Horn, R.C., Moss, C.J., Alberts, S.C. (2005) Locus effects and sources of error in noninvasive genotyping. *Molecular Ecology Notes*, 5:680-683.
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- Dobson, A.P., Mace, G.M., Poole, J.H. and Brett, R.A.G. (1992). Conservation biology: The ecology and genetics of endangered species. *Genes in Ecology*. R. J. Berry, T. J. Crawford and G. M. Hewitt (Eds). Oxford, Blackwell Scientific Publications: 405-430.
- Dobson, A.P. (1994) Effects of fertility control on elephant population dynamics. In: Bamba, C.H. (ed.), *Proceedings 2nd International NCRR Conference*, Nairobi: Institute of Primate Research, 293-298.
- Dobson, A and Poole, J.H. (1999). Conspecific aggregation and conservation biology. In: *Contributions and Limitations of Behavioural Ecology to Conservation Biology*, (ed. T. Caro). Oxford, Oxford University Press, 193-208.
- Douglas-Hamilton, I., Hillman, A.K.K. & Moss, C.J. (1981) Notes on vertical photography of elephants for age determination. *ILCA Monographs*, No. 4: 131-142.

- Gordon, I.J. & W.K. Lindsay (1990) Could mammalian herbivores “manage” their resources? *Oikos*, 59: 270-280.
- Gillson, L. & K. Lindsay (2003) Ivory and ecology—changing perspectives on elephant management and the international trade in ivory. *Environmental Science & Policy*, 6:411–419.
- Hollister-Smith, J.A. (2005) Reproductive behavior in male African elephants (*Loxodonta africana*) and the role of musth: a genetic and experimental analysis. Ph.D. thesis, Duke University.
- Hollister-Smith, J.A., Poole, J.H., Archie, E.A., Vance, E.A, Georgiadis, N.J., Moss, C.J., Alberts, S.C. (2007) Age, musth and paternity success in wild male African elephants, *Loxodonta africana*. *Animal Behaviour*, 74: 287-296
- Hollister-Smith, J.A., Poole, J.H., Archie, E.A., Vance, E.R., Georgiadis, N.J., Moss, C.J., & Alberts, S.C. (2007). Older is better: reproductive success increases with age in wild male African elephants. *Animal Behaviour*, 74: 287-296.
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- (1996) Assessing the impact of human-elephant interactions. In: Kangwana, K. (ed.), *Studying Elephants*. Nairobi: African Wildlife Foundation Technical Handbook Series, 7: 138-147.
- Kioko, J, Muruthi P, Omondi P. & Chiyo, P.I (in press) The performance of electric fences as elephant barriers in Amboseli, Kenya. *South African Journal of Wildlife Management*.
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- (1996d) The meanings of weaning: growth, lactation and life history. *Evolutionary Anthropology*, 5:87-96.
- Lee, P.C. & Graham, M.D. (2006) African elephants (*Loxodonta africana*) and human-elephant interactions: implications for conservation. *International Zoo Yearbook*
- Lee, P.C., Majluf, P. & Gordon, I.J. (1991). Growth, weaning and maternal investment from a comparative perspective. *Journal of Zoology (London)* 225: 99-114.
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- (1999) The social context for learning and behavioural development among wild African elephants. In: Box, H.O. & Gibson, K.R. (eds) *Mammalian Social Learning*. Cambridge University Press, Cambridge, 102-125.
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The following peer-reviewed scientific book is currently in preparation under contract with the University of Chicago Press. It will include 21 chapters written by the researchers who have worked on the Amboseli Elephant Research Project.

Moss, C.J. & Croze, H.J. (eds) (in prep) *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. University of Chicago Press.

BOOKS (POPULAR)

- Moss, Cynthia (1975) *Portraits in the Wild: Behavior Studies of East African Mammals*. Boston: Houghton Mifflin.
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