

CURRICULUM VITAE JOYCE POOLE

PERSONAL

Name : Joyce Hatheway Poole
Address : P.O. Box 24702, 00502 Nairobi, Kenya
Telephone : (254-2) 35 07 87
e-mail : jpoole@nbi.ispkenya.com
Date of Birth : May 1, 1956
Place of Birth : Frankfurt, Germany
Nationality : American
Marital Status : Partnership; one child born 0705 1993.

UNIVERSITY EDUCATION

Post doctoral Princeton University Research Fellow 1984-1988.
Graduate University of Cambridge, UK 1979-1982.
Degree Ph.D. in Zoology.
Thesis *Musth* and male-male competition in the African elephant.
Undergraduate Connecticut College 1974-1975.
Smith College 1976-1979.
Degree B.A. with High Honors in Biological Sciences, Smith College.

GRADUATE RESEARCH EXPERIENCE

1998-ongoing Study of elephant vocal repertoire.
1984-1990 Study of elephant vocal and olfactory communication in Amboseli National Park, Kenya.
1989 Surveys on the effects of poaching on the age structure and social and reproductive patterns of several East African elephant populations.
1980-1982 Fieldwork on *musth* and male-male competition among elephants in Amboseli National Park, Kenya

GRANTS AND FELLOWSHIPS

2001-2002 Writing and research grant Klingenstein Family Foundation
1998-2000 Care for the Wild Research Grant.
1988-1989 National Geographic Research Grant.
1986-1988 National Institute of Mental Health Research Fellowship at Princeton University.
1984-1986 Harry Frank Guggenheim Foundation Fellowship for the study of dominance, violence and aggression.
1981 Smith College Fellowship for graduate study.
1980-81 Research Fellow of the New York Zoological Society.
1980 The Bedford Fund for Zoology from King's College, Cambridge University.
1979 The S.W. Whipple and S.W. Wilder Zoology Fellowship for graduate study from Smith College.

AWARDS

1996 Smith College Medal - "for exemplifying the true purpose of a liberal arts education".
1979 A. Brazier Howell Award for a student paper on *musth* in African elephants presented at the 1979 American Society of Mammalogists meetings.

EMPLOYMENT

- 2002- Scientific Director, Amboseli Elephant Research Project.
- 1999-2001 Consultant on Wildlife issues Ecco Travel Group AS.
- 7/96 & 7/97 Scientific Advisor for I MAX film on elephants. Filmed in Amboseli.
- 1994-1997 Self-employed: consulting in association with Richard Leakey & Associates; training, lecturing; writing a book; advisor on numerous wildlife documentaries.
- 1991-1994 Co-ordinator of the Elephants Programme, Kenya Wildlife Service. Duties included: Setting and implementing Kenya's elephant conservation and management policy; Supervising management oriented research; Reconciling land use and other conflicts between elephants and people; Building up expertise within KWS to deal with elephant related conservation and management issues.
- 1990-1991 World Bank Consultant to Kenya Wildlife Service; Pre-Project Facility - Elephant Programme and Research Policy Framework and Investment Programme.
- 1990 Consultant for two months to the International Union for the Conservation of Nature to compile an overview of elephant conservation in Eastern Africa for the Paris Donors Conference.
- 1989 Consultant for three months to the African Wildlife Foundation to assess the effect of poaching on East African elephant populations.

PROFESSIONAL SOCIETIES

- 1988-2001 Member, African Elephant Specialist Group, Species Survival Commission, IUCN
- 1979 Member, Sigma Xi

LECTURES

A moderate number of public and scholarly lectures since 1990.

TELEVISION

- *Champions of the Wild*, 1998, a half hour programme focusing on my work.
- *Coming of Age with Elephants*, 1996, a one-hour National Geographic Explorer documentary about elephants, my research and views on elephant conservation and management.
- Participated in over 75 science documentaries, talk shows and news interviews since 1986.

LANGUAGES

- English - fluent
- Kiswahili - fluent
- Maasai - a working knowledge

PUBLICATIONS

Scientific papers and reports:

Poole, J.H. In prep. Male elephant social dynamics: Independence and beyond. In: *The Amboseli Elephants: a long-term perspective on a long-lived mammal*. Eds. Cynthia Moss & Harvey Croze. University of Chicago Press, Chicago.

Poole, J.H. In prep. Elephant vocal communication. In: *The Amboseli Elephants: a long-term perspective on a long-lived mammal*. Eds. Cynthia Moss & Harvey Croze. University of Chicago Press, Chicago.

Poole, J.H. with C.J. Moss and others. In prep. Elephant ranging dynamics. In: *The Amboseli Elephants: a long-term perspective on a long-lived mammal*. Eds. Cynthia Moss & Harvey Croze. University of Chicago Press, Chicago.

- Poole, J.H., A.P. Dobson & C.J. Moss. In prep. Male elephant long term reproductive patterns and musth. In: *The Amboseli Elephants: a long-term perspective on a long-lived mammal*. Eds. Cynthia Moss & Harvey Croze. University of Chicago Press, Chicago.
- Poole, J.H. with C.J. Moss. In prep. Conservation Philosophy: Constraints, captivity and freedom. In: *The Amboseli Elephants: a long-term perspective on a long-lived mammal*. Eds. Cynthia Moss & Harvey Croze. University of Chicago Press, Chicago.
- Poole, J. H. & P. Kahumbu. In prep. Savanna elephant profile. In: *The Mammals of Africa*. Edited by Jonathon Kingdon, David Happold & Thomas Butynski. Academic Press. To be published in 2003.
- Poole, J. with R. Slotow, G. van Dyke, B. Page & A. Klocke. 2000. Older bull elephants control young males. *Nature*, 408: 425-426.
- Poole, J.H. 2000. Family reunions. In: *The Smile of the Dolphin: Remarkable Accounts of Animal Emotions*, edited by Marc Bekoff. Discovery Books, New York.
- Poole, J. H. 2000. When Bonds are broken. In: *The Smile of the Dolphin: Remarkable Accounts of Animal Emotions*, edited by Marc Bekoff. Discovery Books, New York.
- Poole, J.H. with A. Dobson (1999). Conspecific aggregation and conservation biology. In: *Contributions and Limitations of Behavioural Ecology to Conservation Biology*, edited by Tim Caro.
- Poole, J.H. 1999. Signals and Assessment in African Elephants: Evidence from playback experiments. *Animal Behaviour*, 58:185-193.
- Poole, J.H. 1998. Communication and social structure of African elephants. In: *Elephants*. Published by Care for the Wild International, UK.
- Poole, J. with E. Schwoebel, S Skinner, H. Mutinda, R. Leakey, & B. Dunbar. In 1998. Evaluation of the immune response to zona pellucida proteins in feral African elephants.
- Poole, J.H. 1998. An exploration of a commonality between ourselves and elephants. Special Issue *Etica & Animal*. 9:85-110.
- Poole, J. H. 1997. A Description of African elephant vocalisations. Prepared for use by Discovery for the IMAX Elephant film. Typescript report. 65p.
- Poole, J. & M. Reuling. 1997. A survey of elephants and other wildlife of the West Kilimanjaro Basin, Tanzania. Typescript Report. 66p.
- Poole, J.H. 1996. The African Elephant. In: *Studying Elephants*. Edited by Kadzo Kangwana. African Wildlife Foundation Technical Handbook Series.
- Poole, J.H. & R.E. Leakey. 1996. Kenya. In: *Decentralization and Biodiversity Conservation*. Ernst Lutz & Julian Caldecott (Ed). A World Bank Symposium.
- Poole, J.H. 1995. Conflict, compression and management: consequences for elephant behaviour [Abstract]. Excellence in wildlife stewardship through science and education. The Wildlife Society Second Annual Conference. September 12-17, 1995. Portland Oregon. Session 3 Symposium. Conservation of African and Asian elephants: wild and captive populations. p.103.
- Poole, J.H. 1994. Sex differences in the behavior of African elephants. In: *The Differences Between the Sexes*. Edited by R. Short & E. Balaban. Cambridge University Press.
- Poole, J.H. 1994. Logistical the ethical considerations in the management of elephant populations through fertility regulation. In: *Proceedings, 2nd International Conference on Advances in Reproductive Research in Man and Animals*. Edited by Charanjit Singh Bamba. Institute of Primate Research, National Museums of Kenya.
- Poole, J.H. 1993. Kenya's Initiatives in Elephant Fertility Regulation and Population Control Techniques. *Pachyderm*. 16:62-65.
- Poole, J.H. 1992. Musth in African elephants. In: Shoshani Jeheskel, Consulting Editor. *Elephants*. London: Simon & Schuster.
- Poole, JH and A. P. Dobson. 1992. Ivory: Why the ban must stay! *Conservation Biology* 6: 149-151.
- Poole, JH and A. P. Dobson. 1992. Exploitation and recovery of African elephant populations. *Elephant and Ivory Information Service*. African Wildlife Foundation. Special Issue 19:1-3.
- Poole, JH, N Aggarwal, R Sinange, S Nganga, M Broton, I Douglas-Hamilton. 1992. The Status of Kenya's elephants, 1992. A report by the Kenya Wildlife Service and the Department of Resource Surveys and Remote Sensing. Typescript. 60p.

- Poole, JH with M. Reuling, K. Mwathe, M Litoroh. 1992. A survey of Shimba Hills elephant population. Elephant Programme, Kenya Wildlife Service. Typescript. 23p.
- Poole, J.H. with A.P. Dobson, G.M. Mace and R.A. Brett. 1991. Conservation biology: The ecology and genetics of endangered species. In: *Genes in Ecology*. p.405-429. The 33rd Symposium of the British Ecological Society. Blackwell Scientific Publications, London.
- Poole, J.H. 1991. Elephant Conservation Plan, Kenya. Kenya Wildlife Service, Ministry of Tourism and Wildlife, Typescript.
- Poole, J.H. 1990. Elephant Conservation in Eastern Africa: A Regional Overview. In *Regional Perspectives and Situation Regarding Elephant Conservation and the Ivory Trade*. Produced for Paris Donors Meeting. IUCN Typescript. 37p.
- Poole, J.H. 1990. Elephant Conservation and Management. Annex 7b. In *The Zebra Book. Policy Framework and Five Year Investment Programme*. Kenya Wildlife Service Publication. 54p.
- Poole, J.H. 1989. Announcing intent: the aggressive state of musth in African elephants. *Anim. Behav.* 37: 140-152.
- Poole, J.H. 1989. Mate guarding, reproductive success and female choice in African elephants. *Anim. Behav.* 37: 842-849.
- Poole, J.H. and C.J. Moss. 1989. Elephant mate searching: Group dynamics and vocal and olfactory communication. In: *The Biology of Large African Mammals in their Environment*. Edited by P.A. Jewell & G.M.O. Maloiy. Oxford: Clarendon Press. Proceedings of *Sym. Zool. Soc. Lond.* 61:111-125.
- Poole, J.H. 1989. The effects of poaching on the age structures and social and reproductive patterns of selected East African elephant populations. In: *The Ivory Trade and the Future of the African Elephant*. Volume II Technical Reports. By The Ivory Trade Review Group. Prepared for the 7th CITES Conference of the Parties.
- Poole, J.H. and J.B. Thomsen, 1989. Elephants are not beetles: implications of the ivory trade for the survival of the African elephant. *Oryx* 23: 188-198.
- Poole, J.H., K.B. Payne, W. Langbauer Jr, C.J. Moss. 1988. The social contexts of some very low frequency calls of African elephants. *Behav. Ecol. Sociobiol.* 22:385-392.
- Poole, J.H. 1987. Rutting behavior in African elephants: the phenomenon of musth. *Behavior*. 102: 283-316.
- Poole, J.H., L.H. Kasman, E.C. Ramsay, B.L. Lasley. 1984. Musth and urinary testosterone concentrations in the African elephant, *Loxodonta Africana*. *J. Reprod. Fert.* 70: 255-260.
- Poole, J.H. and C.J. Moss. 1983. Musth discovered in the African elephant. *African Elephant and Rhino Newsletter* 1:8.
- Poole, J.H. with C.J. Moss. 1983. Relationships and social structure in African elephants. In: Hinde, RA (ed.) *Primate Social Relationships: an Integrated Approach* Blackwell Scientific Publications, Oxford 315-325.
- Poole, J.H. 1982. Musth and male-male competition in the African elephant. Ph.D.. Thesis. University of Cambridge.
- Poole, J.H. and C.J. Moss. 1981. Musth in the African elephant, *Loxodonta africana*. *Nature*, 292:830-831.

Popular Articles:

- Poole, J.H. 2000. Trees of DreamCamp – cultural uses by the Maasai. Ecco Travel Group AS.
- Poole, J.H. 1999. Ella's Easter Baby. *Care for the Wild Magazine*.
- Poole, J.H. 1999. Voices of elephants. *Sotokoto* 8(2): 14-16.
- Poole, J.H. 1992. Kenya's elephants - a very different story to tell. *Swara* 15(1): 29-31.
- Poole, J.H. 1988. Elephants have more to say than meets the ear. *Wildlife News*. African Wildlife Foundation.
- Poole, J.H., W. Njiraini, S. Sayialel. 1988. Elephant supersense. *Komba*. Wildlife Clubs.
- Poole, J.H. 1988. Elephant trunk calls. *Swara* 11(6): 28-31.
- Poole, J.H. 1987. Raging Bulls. *Animal Kingdom* 90 (6): 18-25.
- Poole, J.H. 1987. Elephants in musth, lust. *Natural History*. 96 (11): 46-55.

Books:

- Poole, J.H. 1997. *Elephants*. Colin Baxter Photography, Grantown-on-Spey, Scotland.

Poole, J.H. 1996. *Coming of Age with Elephants*. Hyperion Press, New York; Hodder & Stoughton, London.