

## Appendix A Curriculum Vitae Joyce Poole

### PERSONAL

Name : Joyce Hatheway Poole  
Address : Buskhellings 3, 3236 Sandefjord, NORWAY  
Telephone: (47) 33478817  
e-mail : [jpooole@elephantvoices.org](mailto:jpooole@elephantvoices.org) website: [www.ElephantVoices.org](http://www.ElephantVoices.org)  
Date of Birth: May 1, 1956  
Place of Birth: Frankfurt, Germany  
Nationality : American  
Marital Status: Married; one child born 7 May, 1993

### UNIVERSITY EDUCATION

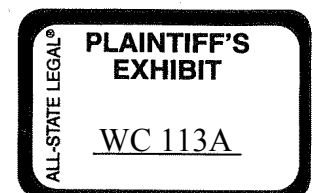
Postdoctoral Princeton University Research Fellow 1984-1988.  
Graduate University of Cambridge, UK 1979-1982.  
Degree Ph.D. in Animal Behavior, 1983.  
Thesis *Musth* and male-male competition in the African elephant.  
Undergraduate Connecticut College 1974-1975.  
Smith College 1976-1979.  
Degree B.A. High Honors in Biological Sciences, Smith College, 1979.

### GRADUATE RESEARCH EXPERIENCE

1998-ongoing Elephant communication, cognition and social behavior.  
1984-1990 Elephant vocal and olfactory communication, Amboseli National Park, Kenya.  
1989 Effects of poaching on elephant age structure and social and reproductive patterns, East Africa.  
1980-1982 *Musth* and male-male competition among elephants, Amboseli National Park, Kenya

### 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-ongoing Director, ElephantVoices
- 2002-2007 Research Director, Amboseli Elephant Research Project, Amboseli Trust for Elephants: overseeing monitoring, training and research.
- 1999-2001 Consultant, Ecco Travel Group AS: Wildlife issues.
- 7/96 & 7/97 Consultant, IMAX: Scientific Advisor Elephant film, Amboseli.
- 1994-1997 Consultant, Richard Leakey & Associates; Training; Lecturing; Writing a book; Advisor, wildlife documentaries.
- 1991-1994 Coordinator, Elephant Program, Kenya Wildlife Service: 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 expertise.
- 1990-1991 Consultant, World Bank: Pre-Project Facility, Elephant Program and Research Policy Framework and Investment Program, Kenya Wildlife Service.
- 1990 Consultant, International Union for the Conservation of Nature: compiling overview of elephant conservation in Eastern Africa for Paris Donors Conference.
- 1989 Consultant, African Wildlife Foundation: assessing effect of poaching on East African elephant populations.

## **PROFESSIONAL SOCIETIES/ BOARD MEMBERSHIPS**

- 2002-ongoing Member, Scientific Advisory Committee, Amboseli Elephant Research Project
- 2005-2006 Member, Science Advisory Board, Captive Elephant Management Coalition
- 2003-ongoing Member, Advisory Board, Species Survival Network
- 2002-ongoing Trustee, Amboseli Trust for Elephants
- 1988-2001 Member, African Elephant Specialist Group, Species Survival Commission, IUCN
- 1979 Member, *Sigma Xi*

## **LECTURES**

Moderate number of public and scholarly lectures since 1990.

## **TELEVISION/RADIO**

Participated in over 85 science documentaries, talk shows and news interviews since 1986.

## **LANGUAGES**

English - fluent

Kiswahili - fluent

## **PUBLICATIONS**

### **Scientific publications, theses and reports:**

#### **In preparation:**

- Poole, J.H. Forthcoming. The behavioral context of African elephant acoustic communication. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J. & Croze, H.J. (Eds.) *University of Chicago Press*.
- Poole, J.H. and Granli, P.K. Forthcoming. Visual and tactile signals of elephants. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J. & Croze, H.J. (Eds.) *University of Chicago Press*.
- Poole, J.H., Lee, P.C. & Moss, C.J.. Forthcoming. Long-term reproductive patterns and musth. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J. & Croze, H.J. (Eds.) *University of Chicago Press*.
- Lee, P.C., Poole, J.H. & Moss, C.J. Forthcoming. Male social dynamics: Independence and beyond In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J. & Croze, H.J. (Eds.) *University of Chicago Press*.
- Mutinda, H.S., Poole, J.H., Moss, C. J. Forthcoming. Decision-making and Leadership in exploring the ecosystem. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J. & Croze, H.J. (Eds.) *University of Chicago Press*.

#### **In press and published as sole or first author:**

- Poole, J and Granli, P. In press. Mind and Movement: Meeting the Interests of Elephants. In: *An Elephant in the Room: The Science and Well Being of Elephants in Captivity*. Eds. D. L. Forthman, L. F. Kane and P. Waldau. North Grafton MA: Tufts University Cummings School of Veterinary Medicine's Center for Animals and Public Policy.
- Poole, J.H and Moss, C. J. In press. Elephant sociality and complexity: The scientific evidence. In: *Never Forgetting: Elephants and Ethics*. C. Wemmer & K. Christen (Eds.). Johns Hopkins University Press
- Poole, J.H., Whyte, I. & Kahumbu, P. In press. *Loxodonta africana*. In: *The Mammals of Africa*. Jonathon Kingdon, David Happold & Thomas Butynski (Eds.). Academic Press.
- Poole, J.H., Tyack, P.L., Stoeger-Horwath, A. & Watwood, S. 2006. Vocal imitation in African savannah elephants (*Loxodonta africana*). *Razprave IV. Rezreda SAZU*, XLVII-3: 118-124
- Poole, J.H. and Granli, P.K. 2005. The ethical management of elephants and the value of long-term field research. *AAVS* 63: 2-5
- Poole, J.H., P. L. Tyack, A. S. Stoeger-Horwath & S. Watwood. 2005. Elephants are capable of vocal learning. *Nature*, 434: 455-456.
- Poole, J. H. & P.K. Granli. 2004. The visual, tactile and acoustic signals of play in African savannah elephants. In *Endangered Elephants, past present & future*. Jayewardene, Jayantha. (Ed.) Proceedings of the Symposium on Human Elephant Relationships and Conflicts, Sri Lanka, September 2003. Biodiversity & Elephant Conservation Trust, Colombo. Pages 44-50.

- Poole, J.H. 1999. Signals and Assessment in African Elephants: Evidence from playback experiments. *Animal Behaviour*, 58:185-193.
- Poole, J.H. 1998. An exploration of a commonality between ourselves and elephants. Special Issue *Etica & Animali*. 9:85-110.
- Poole, J. H. 1997. A Description of African elephant vocalizations. 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*. Kadzo Kangwana (Ed.). African Wildlife Foundation Technical Handbook Series: pp.1-8.
- Poole, J.H. & R.E. Leakey. 1996. Kenya. In: *Decentralization and Biodiversity Conservation*. Ernst Lutz & Julian Caldecott (Ed.). A World Bank Symposium: pp. 55-64.
- 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*. R. Short & E. Balaban (Eds.). Cambridge University Press: pp. 331-346.
- 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*. Charanjit Singh Bamba (Ed.). Institute of Primate Research, National Museums of Kenya: pp. 278-283.
- Poole, J.H. 1993. Kenya's Initiatives in Elephant Fertility Regulation and Population Control Techniques. *Pachyderm*. 16:62-65.
- Poole, JH and A. P. Dobson. 1992. Ivory: Why the ban must stay! *Conservation Biology* 6: 149-151.
- 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, 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*. P.A. Jewell & G.M.O. Maloiy (Eds.). 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. 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. 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.

#### **Published papers authored with others:**

- 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
- Bates, L.A., Sayialel, C.N, Njiraini, N.W, Poole, J.H., Moss, C.J. & Byrne, R.W. (2007) Elephants classify human ethnic groups by odour and garment colour. *Current Biology* 17:1-5
- Bradshaw, I.G.A., A.N. Schore, J.L. Brown, J.H. Poole & C. J. Moss. 2005. Elephant Breakdown. Social trauma: Early trauma and social disruption can affect the physiology, behaviour and culture of animals and humans over generations. *Nature*, 433: 807.
- Dobson, A.P., G.M. Mace, J.H. Poole and R.A. Brett. 1991. Conservation biology: The ecology and genetics of endangered species. In: *Genes in Ecology*. R.J. Berry, T.J. Crawford & G.M. Hewitt (Eds.). The 33<sup>rd</sup> Symposium of the British Ecological Society. Blackwell Scientific Publications, London: pp.405-429.
- 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

- O'Connell-Rodwell, C., Wood, J.D., Kinzley, C., Rodwell, T.C., Poole, J., & Puria, S. 2007. Wild African elephants (*Loxodonta africana*) discriminate between familiar and unfamiliar conspecific seismic alarm calls. *J. Acoust. Soc. Am.* 122: 823-830.
- Poole, J.H. with C.J. Moss. 1983. Relationships and social structure in African elephants. In: *Primate Social Relationships: an Integrated Approach*. Hinde, RA (Ed.). Blackwell Scientific Publications, Oxford: pp 315-325.
- Reuling, M., K. Mwathe, M Litoroh & J. Poole. 1992. A survey of Shimba Hills elephant population. Elephant Programme, Kenya Wildlife Service. Typescript. 23p.
- Slotow, R., G. van Dyke, J. Poole, B. Page & A. Klocke. 2000. Older bull elephants control young males. *Nature*, 408: 425-426.

### **Book Chapters (Popular):**

- Poole, J.H. 2000. Family reunions. In: *The Smile of the Dolphin: Remarkable Accounts of Animal Emotions*, Marc Bekoff (Ed.). Discovery Books, New York: pp. 22-23.
- Poole, J. H. 2000. When Bonds are broken. In: *The Smile of the Dolphin: Remarkable Accounts of Animal Emotions*. Marc Bekoff (Ed.). Discovery Books, New York: pp. 142-143
- Poole, J.H. 1998. Communication and social structure of African elephants. In: *Elephants*. Care for the Wild International, UK. pp 40-52.
- Poole, J.H. 1992. Musth in African elephants. In: Shoshani Jeheskel (Ed.). *Elephants*. London: Simon & Schuster. Pp. 87-91.
- Dobson, A. P. and J. H. Poole 1998. Conspecific aggregation and conservation biology. In: *Behavioral Ecology and Conservation Biology*. T. Caro (Ed.). Oxford, Oxford University Press: pp.193-208.

### **Popular Articles:**

- Poole, J.H. 2000. *Trees of DreamCamp - Cultural uses by the Maasai*. Ecco Travel Group AS.
- Poole, J. H. 1999b. Ella's Easter Baby. *Care for the Wild News*. 15:24-25
- Poole, J.H. 1999. Voices of elephants. *Sotokoto* 8(2): 14-16.
- Poole, J.H., 1997. Tuskless. *Swara* 20(3): 26.
- 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, 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.