

CURRICULUM VITAE

JOYCE POOLE

(Updated April 2012)

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RESEARCH INTERESTS

Acoustic communication, Cognitive science, Decision-making, Conservation.

EDUCATION

Postdoctoral Princeton University Research Fellow 1984-1988; Advisor: Daniel Rubenstein.
Ph.D. 1982 University of Cambridge, U.K, Sub-Department Animal Behaviour. Dissertation: *Musth and male-male competition in the African elephant*; Supervisor: Robert Hinde.
B.A. 1979 Smith College. High Honors in the Biological Sciences. Dissertation: *Behavioral-Ecology of the African elephant*.

HONORS AND AWARDS

2007 Certificate of Recognition, California Legislature Assembly, *for tireless efforts in educating people on elephant captivity*.
1996 Smith College Medal for elephant research and conservation work, *exemplifying the true purpose of a liberal arts education*.
1985-1988 Research Fellowship, National Institute Mental Health
1984 Research Fellowship, Harry Frank Guggenheim Foundation
1980-1981 Research Fellowship, New York Zoological Society
1981 Graduate Study Fellowship, Smith College
1979-1980 Sarah W. Wilder and Sarah W. Whipple Fellowship
1979-1980 *Sigma Xi*
1979 Winner, A. Brazier Howell Award for paper on *musth* in African elephants presented at the 1979 American Society of Mammalogists meetings.

PROFESSIONAL SOCIETIES/ BOARD MEMBERSHIPS

2010 Member, Scientific Advisory Board, Elephant Aid International
2010 Member, Alliance for Captive Elephants
2008-ongoing Member, Board of Directors, ElephantVoices
2002-ongoing Member, Ethologists for the Ethical Treatment of Animals
2002-ongoing Member, Scientific Advisory Committee, Amboseli Elephant Research Project
1988-2001 Member, Science Advisory Board, Captive Elephant Management Coalition
2004 Member, Panel of Experts, Species Survival Network
2002-2011 Trustee, Amboseli Trust for Elephants
1988-2001 Member, African Elephant Specialist Group, Species Survival Commission, IUCN

EMPLOYMENT

- 2002-ongoing **Director, Research and Conservation, ElephantVoices:** Directing the research, conservation and welfare work of the non-profit organization, ElephantVoices.
- 2002-2007 **Research Director, Amboseli Elephant Research Project,** Amboseli Trust for Elephants: overseeing the elephant monitoring and collaborative research projects, and training programs for the 3 decades long study of elephants.
- 1999-2001 **Consultant, Basecamp Explorer AS:** Wildlife issues.
- 7/96 & 7/97 **Consultant, IMAX:** Scientific Advisor *Africa's Elephant Kingdom*, Discovery.
- 1994-1997 **Consultant, Richard Leakey & Associates;** Training; Lecturing; Advisor, wildlife documentaries.
- 1994-1995 **Author, *Coming of Age with Elephants*** (Hyperion Press, 1996; Hodder & Stoughton, 1996).
- 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 local expertise.
- 1990-1991 **Consultant, World Bank:** Pre-Project Facility, drafting the Elephant Conservation and Management Policy 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: Tanzanian Wildlife Department** drafting successful proposal to the Convention on Trade in Endangered Species to up list the African elephant to Appendix I of the Convention.
- 1989 **Consultant, World Wildlife Fund:** discussions with Japanese and Chinese government officials and ivory carvers regarding detrimental impacts of the ivory trade on elephant survival.
- 1989 **Researcher, African Wildlife Foundation:** Assessing effects of poaching on East African elephant populations.
- 1975-1980 **Researcher, Amboseli Elephant Research Project**

FIELD RESEARCH

- 2011-ongoing **Mozambique:** Initiation/execution of elephant monitoring and research, as part of the Gorongosa Restoration Project.
- 2010-ongoing **Kenya:** Initiation/execution of conservation project in the Maasai Mara ecosystem.
- 2008 **Sri Lanka, Minneriya-Kaudulla National Parks:** initiating an Asian elephant conservation project and behavior study.
- 1998-ongoing **Kenya, Amboseli National Park:** Elephant communication, cognition and social behavior, conducting playback experiments and recording elephant vocalizations and behavior.
- 1998 **Kenya, Maasai Mara National Park, Tsavo National Park & Laikipia District:** recording elephant vocalizations and behavior.
- 1997 **Tanzania, West Kilimanjaro:** Assessing the numbers and habitat use of elephants utilizing the area.

- 1990-1994 **Kenya**, overseeing numerous elephant surveys and studies of elephants carried out under my direction by the Kenya Wildlife Service Elephant Program.
- 1984-1990 **Kenya**, Amboseli National Park: Elephant vocal and olfactory communication: vocal, visual, chemical signalling and assessment between musth males.
- 1989 **Kenya, Uganda, Tanzania**: Amboseli, Tsavo, Queen Elizabeth and Mikumi National Parks: Assessing the effects of poaching on the age structure and social and reproductive patterns of elephant populations in East Africa.
- 1980-1982 **Kenya**, Amboseli National Park: Focal animal sampling *Musth* and male male competition among elephants,
- 1975-1979 **Kenya**, Amboseli National Park: participating in Cynthia Moss' long-term studies of elephants, identifying individual elephants, and collecting social behavior, demographic and ranging data.

LECTURES

Invited speaker (selected):

2012: Nature's great masterpiece: Stories of elephants. Sabine Distinguished Lecture in Psychology, Colorado College.

2012: National Geographic Society, Premiere Screening "War Elephants" (Panel).

2008: National Geographic Society (Panel).

2007: Seminar on Language Evolution and Cognition held by Communication Research Centre, Northumbria University & Language Evolution and Computation Research Unit, University of Edinburgh.

2007: Public lecture, Explorers Club, New York.

2006: Invited speaker lecture on communication, behaviour and social life among elephants, Science Museums of the "la Caixa Foundation", Barcelona.

2006: Invited speaker in series of lectures on Animal Communication Science Museums of the la Caixa Foundation, Madrid.

1999: Animal Cognition and Communication, Tufts Center for Animals and Public Policy.

LANGUAGES

English: Mother tongue

Kiswahili: Fluent

Norwegian: Working knowledge

Maasai: Ability to communicate at basic level

PUBLICATIONS

Refereed articles, chapters, theses:

In 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.

Published:

McComb, K., Shannon, G., Durant, S.M., Sayialel, K., Slotow, R., Poole, J., Moss, C. 2011. Leadership in elephants: The adaptive value of age. *Proc. R. Soc. B* published online 16 March 2011, doi: 10.1098/rspb.2011.0168:
<http://rspb.royalsocietypublishing.org/content/early/2011/03/10/rspb.2011.0168.full.ht>

- Poole, J.H., Lindsay, W.K., Lee, P.C. & Moss, C.J. 2011. Ethical approaches to elephant conservation. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J., Croze, H.J & Lee, P.C. (Eds.) University of Chicago Press.
- Poole, J.H. 2011. 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 & Lee, P.C. (Eds.) University of Chicago Press.
- Poole, J.H. and Granli, P.K. 2011. Signals, gestures and behaviors of African elephants. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J., Croze, H.J & Lee, P.C. (Eds.) University of Chicago Press.
- Poole, J.H., Lee, P.C., Njiraini, N. & Moss, C.J. 2011. Longevity, competition and musth: A long-term perspective on male reproductive strategies. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal*. Moss, C.J., Croze, H.J & Lee, P.C. (Eds.) University of Chicago Press.
- Lee, P.C., Poole, J.H., Njiraini, N. & Moss, C.J. 2011. 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 & Lee, P.C. (Eds.) University of Chicago Press.
- Mutinda, H.S., Poole, J.H., Moss, C. J. 2011. Decision-making and leadership in using the ecosystem. In: *The Amboseli Elephants: A Long-Term Perspective on a Long-Lived Mammal* Moss, C.J., Croze, H.J & Lee, P.C. (Eds.) University of Chicago Press.
- Wasser, S., Poole, J., Lee, P., Lindsay, K. Dobson, A., Hart, J., Douglas-Hamilton, I., Wittemyer, G., Granli, P., Morgan, B., Gunn, J., Alberts, S., Beyers, R., Chiyo, P., Croze, H., Estes, R., Gobush, K., Joram, P., Kikoti, A., Kingdon, J., King, L., Macdonald, D., Moss, C., Mutayoba, B., Njumbi, S., Omondi, P., Nowak, K. 2010. Elephants, Ivory, and Trade. Policy Forum, Science. 327: 1331-1332.
- Bates, L.A., Handford, R., Lee, P.C., Njiraini, N., Poole, J.H., Sayialel, K., Sayialel, S., Moss, C.J., Bates, R. W. 2010. Why do African elephants (*Loxodonta Africana*) simulate oestrus? An analysis of longitudinal data. PLoS ONE www.plosone.org; 5:4: e10052 p. 1-6.
- Archie, E.A., Henry, T., Maldonado, J.E., Moss, C.J., Poole, J.H., Pearson, V.R., Murray, S., Alberts, S.C., Fleischer, R.C., 2010. Major histocompatibility complex variation and evolution at a single, expressed DQA locus in two genera of elephants. *Immunogenetics*: DOI 10. 1007/s00251-009-0413-8.
- Poole, J. and Granli, P. 2008. 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. 2008. Elephant sociality and complexity: The scientific evidence. In: *Elephants and Ethics: Toward a morality of Co-existence*. C. Wemmer & K. Christen (Eds.). Johns Hopkins University Press.
- Archie, E.A., Maldonado, J.E., Hollister-Smith, J.A., Poole, J.H., Lee, P.C., Moss, C.J., Fleischer, R.C., Alberts, S.C. 2008. Fine-scaled population genetic structure in a fission-fusion society. *Molecular Ecology* 17: 2666-2679.
- Bates, L.A., Lee, P.C., Njiraini, N., Poole, J.H., Sayialel, K., Sayialel, S., Moss, C.J. Byrne, R.W. 2008. Do elephants show Empathy? *Journal of Consciousness Studies*, 15, No. 10-11, pp. 204-25.
- Bates, L.A., Poole, J.H. Byrne, R.W. 2008. Why study elephant cognition? *Current Biology*, Vol 18, No 13, R544-546.
- 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. African elephants have expectations about locations of out-of-sight family members. *Biology Letters*: doi: 1098/rsbl.2007.0529, 1-3.
- 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*. Doi:10.1016/j.cub.2007.09.060.
- 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., 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.
- 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.
- Poole, J.H., P. L. Tyack, A. S. Stoeger-Horwath & S. Watwood. 2005. Elephants are capable of vocal learning. *Nature*, 434: 455-456.
- Slotow, R., G. van Dyke, J. Poole, B. Page & A. Klocke. 2000. Older bull elephants control young males. *Nature*, 408: 425-426.
- 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 commonality between ourselves and elephants. Special Issue *Etica & Animali*. 9:85-110.
- 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.
- 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. and A. P. Dobson. 1992. Ivory: Why the ban must stay! *Conservation Biology* 6: 149-151.
- 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 33rd Symposium of the British Ecological Society. Blackwell Scientific Publications, London: pp.405-429.
- 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. 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.
- Moss, C.J. and Poole, J.H. 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.
- 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.

Technical Reports:

- Hedges, S., Beyers, R., Blake, S., Douglas-Hamilton, I., Fay, M., Greer, D., Fishlock, V., Foley, C., Grossman, F., Hart, J., Hart, T., Hicks, C., Lahm, S., Lee, P., Lindsay, K., Maisels, F., Moss, C., Nixon, S., Plumtre, A., Poole, J., Rainey, H., Redmond, I., Starkey, M., Stokes, E., Turkalo, A., Wittemyer, G. 2010. The status of African elephants (*Loxodonta africana*) in the 2008 IUCN Red List of Threatened Species: a critique. Submitted to IUCN.
- Poole, J. & M. Reuling. 1997. A survey of elephants and other wildlife of the West Kilimanjaro Basin, Tanzania. Typescript Report. 66p.
- 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. 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 Bambra (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.
- Reuling, M., K. Mwathe, M Litoroh & J. Poole. 1992. A survey of Shimba Hills elephant population. Elephant Programme, Kenya Wildlife Service. Typescript. 23p.
- 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. 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.

Articles, Book Chapters (Not refereed):

- 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.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. 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. 1997. A Description of African elephant vocalizations. Prepared for use by Discovery for the IMAX Elephant film. Typescript report. 65p.
- 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. 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, 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. Musth in African elephants. In: Shoshani Jeheskel (Ed.). *Elephants*. London: Simon & Schuster. Pp. 87-91.
- Poole, J.H. and C.J. Moss. 1983. Musth discovered in the African elephant. *African Elephant and Rhino Newsletter* 1:8.

Popular Articles:

- Poole, J.H. 2000. *Trees of Dream Camp - Cultural uses by the Maasai*. Basecamp Explorer AS.
- Poole, J., Moss, C. & Sheldrick, D.1999. The sad plight of the Tuli elephants. *The Last Word*. *Swara* 22 (1): 32-33
- 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. 1998. Communication and social structure of African elephants. In: *Elephants*. Care for the Wild International, UK. pp 40-52.
- Poole, J.H, 1997. Tuskless. *Swara* 20(3): 26.
- 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.

PUBLIC EDUCATION

Websites:

www.ElephantVoices.org - about elephant social behavior, communication and welfare
www.facebook.com/elephantvoices
<http://www.facebook.com/elephantpartners>

Poole, Sukumar, Moss, Payne and Turkalo. 2008. The Elephant Charter.
<http://www.theelephantcharter.info>

Online databases:

The Mara Elephants Who's Who Database (on <http://www.elephantvoices.org>)
The Mara Elephants Whereabouts Database (on <http://www.elephantvoices.org>)
ElephantVoices Gestures Database (on <http://www.elephantvoices.org>)
ElephantVoices Call Type & Contest-Type Databases (on <http://www.elephantvoices.org>)
The Minneriya-Kaudulla Elephant Identification Database
<http://www.elephantvoices.org/sriddb>

Printed Articles and books highlighting the work of Joyce Poole

Elephant social behavior and communication research and conservation work featured in: Readers' Digest, Scientific American, Science, National Geographic Kids, National Geographic Magazine, National Geographic Adventure, New York Times Magazine, National Geographic Explorer, LA Times, Highlights for Children, Scholastic, The New York Times, Science Times, Science, Science News, Spektrumdirekt, National Geographic News, Kyodo News Washington Bureau, Daily Telegraph, Guardian.

2001 Martin Meredith's *Africa's Elephant*, a biography.

1992 Doug Chadwick's book *Fate of the Elephant*.

1992 Doug Chadwick in his feature article for National Geographic Magazine.

Recordings featured in Pulse of the Planet.

Pod casts:

2007 Science and the city

Radio (a selection)

2012 Sam Litzinger interview on The Animal House/NPR (WAMU 88.5)

2009 Elephant welfare views featured on WBUR's Inside Out Documentary on American Zoos with Diane Toomey

2008 Elephant communication research featured in Up Front Radio, San Francisco with Sandip Roy Chowdhury

2008 Elephant communication, cognition and welfare with Karl Losken Animal Voices 102.7fm in Vancouver BC Canada

2005 Science Update, American Association for the Advancement of Science (AAAS)

2005 BBC Radio Science, the Leading Edge

2005 German Public Radio (SWR) program Campus

2005 NPR Elephant vocal learning

2005 BBC News Scotland Vocal Learning in elephants

2005 Elephant welfare ABC's Radio 702 with Rory McDonald

2004 Elephant communication research featured in BBC's Beyond our Senses program
Sounds of Life with Grant Sonnex

2004 Elephant communication research featured in NPR program on elephant language

1996 WETA-FM, News 820's Openline & WNYC

1981 Musth in the African elephant, BBC Radio 4, The living World

Television (a selection)

2012 War Elephants, award winning documentary about the traumatized elephants in
Gorongosa National Park, Mozambique, and their recovery. National Geographic Wild,
worldwide.

2008 Elephant communication research is featured in Elephant having tales to tell, NHK,
Japan (Japanese and English versions).

2006 Interview on elephant communication and cognition for Smart Planet for REDES-TVE,
Spain.

2005 Elephants and vocal learning, Daily Planet Discovery Channel Canada.

2005 Elephant cognition and conservation views featured on National Geographic Explorer
Elephant Rage.

2004 Elephant recordings featured in Discovery Channel's Echo III.

2002 Elephant communication research, Elephant's Talk, featured in BBC documentary
Talking with Animals.

Work featured on News and Talk shows such as 1993 CNN, ABC news Women and Science,
The Today Show, 1996, West 57th Street CBS News, 1989, PM Magazine, 1987.

1999 Research featured in *Inside the Animal Mind Part 3 Animal Consciousness, WNET
Nature*.

1998 Featured on Episode 16, *Elephants*, in series, *Champions of the Wild*, Omni Film
Productions, Vancouver, Canada.

1996 Life, elephant research and conservation work subject of National Geographic Special,
Coming of Age with Elephants.

1996 *Wildlife Warriors*, National Geographic Special.

1996 *A Voice for Elephants USIA AfricaPIX*.

1996 Discovery Channel documentary "Ultimate Guide to Elephants".

1990 *Elephants like us*, Rossellini and Associates.

1990 *The language of the elephants*, Rossellini and Associates.

1989 Elephant research and conservation work featured in National Geographic Special
Ivory Wars.

1988 Research highlighted in BBC production *Trials of Life* with David Attenborough.

1988 Work on elephant infrasound featured in *Supersense* BBC Natural History Unit series
on animal senses.

1987 Featured in Sports and Adventure, *Women of the World*.