

CURRICULUM VITAE

DR. JOYCE H. POOLE

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Born in Germany, 1 May 1956; United States citizen

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Website: www.elephantvoices.org; **The Elephant Ethogram;** **Vimeo:** www.vimeo.com/elephantvoices

Facebook: www.fb.com/elephantvoices; **Instagram:** www.instagram.com/elephantvoices

Twitter: www.twitter.com/elephantvoices

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 Honours in the Biological Sciences. Dissertation: *Behavioral-Ecology of the African elephant*.

HONOURS AND AWARDS

2017 The Taft School - Horace Dutton Taft Alumni Medal

2015 Jackson Hole Wildlife Film Festival - Outstanding Achievement Award

2007 California Legislature Assembly - Certificate of Recognition *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.*

1979 American Society of Mammalogists - A. Brazier Howell Award for paper on *musth* in African elephants.

PROFESSIONAL SOCIETIES/ BOARD and ADVISORY MEMBERSHIPS

2019 Member, Honorary Board of Directors, Performing Animal Welfare Society, PAWS

2017-present Member, African Elephant Specialist Group, IUCN

2015-present Member, Board of Directors, Global Sanctuary for Elephants

2015-present Member, Conservation Alliance of Kenya

2010-present Member, Kenya Elephant Forum

2010 Member, Alliance for Captive Elephants

2008-present Member, Board of Directors, ElephantVoices

2004 Member, Panel of Experts, Species Survival Network

2002-2009 Member, Scientific Advisory Committee, Amboseli Elephant Research Project

2002-2011 Trustee, Amboseli Trust for Elephants

2001 Member, Science Advisory Board, Captive Elephant Management Coalition

1988-present National Geographic Explorer

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

EMPLOYMENT

- 2002-present **Scientific Director, ElephantVoices:** Directing the research, conservation and welfare work of the US non-profit organisation, 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.

FIELD RESEARCH

- 2020-ongoing **Kenya:** Amboseli National Park: Documenting elephant behavior and communication for The Elephant Ethogram
- 2011-2019 **Mozambique:** Elephant monitoring and research, as part of the Gorongosa Restoration Project, Gorongosa National Park.
- 2011-2016 **Kenya:** Elephant conservation and citizen-science project in the Maasai Mara ecosystem.
- 2008 **Sri Lanka:** Minneriya-Kaudulla National Parks: Initiating an Asian elephant conservation project and behavior study.
- 1998-2009 **Kenya:** Amboseli National Park: Elephant communication, cognition and social behavior, conducting playback experiments and recording elephant vocalisations and behavior.
- 1998 **Kenya:** Maasai Mara National Park, Tsavo National Park & Laikipia District: Recording elephant vocalisations and behavior.
- 1997 **Tanzania:** West Kilimanjaro: Assessing elephant numbers and habitat use.
- 1990-1994 **Kenya:** Overseeing numerous elephant surveys and studies of elephants carried out under my direction by the Kenya Wildlife Service Elephant Program.
- 1975-1990 **Kenya:** Amboseli National Park: Male elephant behaviour; reproductive behavior; elephant vocal, gestural and olfactory communication.
- 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.
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LANGUAGES

English: Mother tongue
Kiswahili: Fluent
Norwegian: Working knowledge

PUBLICATIONS

Refereed articles, chapters, theses:

Published:

- Lee, P.C., Moss, C.J., Njiraini, N., Poole, J.H., Sayialel, K. Fishlock, V.L. 2021. Cohort consequences of drought and family disruption for male and female African elephants. *Behavioral Ecology*, <https://doi.org/10.1093/beheco/arab148>
- Campbell-Staton, SC, Arnold, BJ Gonçalves, D., Granli, P., Poole, J., Long, R.A., Pringle, R.M. 2021. Ivory poaching and the rapid evolution of tusklessness in African Elephants. *Science*, 374: 483-487. <https://doi.org/10.1126/science.abe7389>
- Hedwig, D., Poole, J. Granli, P. 2021. Does social complexity drive vocal complexity? Insights from the two African elephant species. *Animals* 2021, 3017, <https://doi.org/10.3390/ani11113071>.
- Poole, J.H., Granli, P.K. 2021. The Elephant Ethogram: A Library of African Elephant Behavior. *Pachyderm*, 62: 105-111 <https://pachydermjournal.org/index.php/pachyderm/article/view/462/485>
- Poole, J.H., Granli, P.K. 2021. The Elephant Ethogram: A Library of African Elephant Behavior. <https://www.elephantvoices.org/elephant-ethogram.html>
- Moolman, L., de Morney, M.A., Ferreira, S.M., Ganswindt, A., Poole, J.H., Kerley, I.H. 2019. And then there was one: A camera trap survey of the declining population of African elephants in Knysna, South Africa. *African Journal of Wildlife Research* 49: 16–26 <https://doi.org/10.3957/056.049.0016>
- Pardo, M.A. Poole, J.H., Stoeger, A.S., Wrege, P.H., O’Connell-Rodwell, C.E., Padmalal,U.K., de Silva, S. 2019 Differences in combinatorial calls among the three elephant species cannot be explained by phylogeny. *Behavioral Ecology*. 30(3), 809-820. <https://doi.org/10.1093/beheco/arz018>.
- Gaynor, G.M., Branco, P.S., Long, R.A., Gonçalves, D.D., Granli, P.K., Poole, J.H. 2018. Effects of human settlement and road on diel activity patterns of elephants (*Loxodonta africana*). *African Journal of Ecology* 56:872-881. <https://onlinelibrary.wiley.com/doi/10.1111/aje.12552>
- Shannon, G., Slotow, R., Durant, S.M., Sayialel, K.N., Poole, J., Moss, C., McComb, K. 2014. Effects of social disruption in elephants persist decades after culling. *Frontiers in Zoology*, 10:62; <http://www.frontiersinzoology.com/content/10/1/62>
- Poole, J.H., Whyte, I. & Kahumbu, P. 2013. *Loxodonta Africana* Savannah elephant. In: *Mammals of Africa*. Volume I. Jonathon Kingdon, David Happold & Thomas Butynski (Eds.). Academic Press.
- Nowak, K., Dobson, A., Poole, J., Granli, P., Kahumbu, P., Lee, P., Kiiru, W., Joram, P., Malima, C., Moss, C. 2013. [Elephants are not diamonds. The Ecologist](#).
- Lee, P.C., Bussière, L.F., Webber, C.E., Poole, J.H., Moss, C.J. 2013. [Enduring consequences of early experiences: 40 year effects on survival and success among African elephants \(Loxodonta africana\)](#). *Biology Letters*. 04/2013; 9(2):20130011. <https://royalsocietypublishing.org/doi/10.1098/rsbl.2013.0011>.
- Chiyo, P.I., Archie, E.A. Hollister-Smith, J.A., Lee, P.C. Poole, J.H., Moss, C.J., Alberts, S.C. 2011. [Association patterns of African elephants in all-male groups: the role of age and genetic relatedness](#). *Animal Behaviour* 81: 1093-1099.
- 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, <https://doi.org/10.1098/rspb.2011.0168>

- 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](https://doi.org/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.
- Payne, K. Douglas-Hamilton, I., Moss, C. & Poole, J. 1999. Alarm raised over elephant ivory trade. *Nature*, 399, 297 (27 May 1999) <https://www.nature.com/articles/20526>.
- 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:

- Poole, J., B. Okita-Ouma, P. Granli, D. Kimanzi, M. Goss, L. Tiller, S. Kiambi, and I. Douglas-Hamilton. 2016. [Mara ecosystem connectivity: Information on elephant population status and movements for spatial planning and conservation in Narok County](#). Pages 1-28.
- Poole, J., Granli, P. 2018. Gorongosa elephant project: ElephantVoices 2017 report to the Gorongosa Restoration Project.
- Poole, J., Granli, P. 2017. Gorongosa elephant project: ElephantVoices 2016 report to the Gorongosa Restoration Project.
- Poole, J., Granli, P. 2013. Gorongosa elephant study: ElephantVoices field trip report to the Gorongosa Restoration Project.
- Poole, J. 2012. Gorongosa elephant study: ElephantVoices field trip report to the Gorongosa Restoration Project.
- Poole, J. and Granli, P. 2012-2014. [Maasai Mara Elephant Partner 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 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.
- Reuling, M., K. Mwathe, M Litoroh & J. Poole. 1992. A survey of Shimba Hills elephant population. Elephant Programme, Kenya Wildlife Service. Typescript. 23p.
- Poole, J.H., 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, J.H. 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:*
- Cowell, G., Poole, J., Granli, P. 2017. Nalakite: The story of a Maasai Mara Matriarch. National Geographic Society Newsroom.
- Poole, J., Granli, P. 2014. Gift to the Maasai Mara, a Male Elephant is Born. National Geographic Society Newsroom.
- Poole, J., Granli, P. 2013. Little Fellow knew nothing about CITES. National Geographic Society Newsroom.
- Poole, J. 2003. Online with a big communicator. The Taft Bulletin. Fall 2003.
- 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 and Social Media

ElephantVoices website	www.ElephantVoices.org
ElephantVoices on Facebook	www.facebook.com/elephantvoices
ElephantVoices on Instagram	www.instagram.com/elephantvoices
ElephantVoices on Twitter	www.twitter.com/elephantvoices
ElephantVoices on Vimeo	www.vimeo.com/elephantvoices
ElephantVoices on SoundCloud	www.soundcloud.com/elephantvoices
The Elephant Charter	www.theelephantcharter.info

Online Databases & Apps

[The Elephant Ethogram: A Library of African Elephant Behavior](#) Over 400 African savanna elephant behaviors documented with written descriptions, 2,400+ educational video clips and hundreds of audio files and images.

[Gorongosa Elephants Who's Who & Whereabouts](#) houses identity, demographic and sightings data for 396 adult elephants from Gorongosa National Park population, Mozambique. (Password-protected)

[Mara Elephants Who's Who & Whereabouts](#) houses identity, demographic and sightings data for 1,282 adult elephants from the Maasai Mara population, Kenya.

Mara EleApp: A [cellphone application for data collection](#) by scientists and citizen scientists for upload to the [Mara Elephants Who's Who & Whereabouts](#)

Gorongosa EleApp: A multi-language (English, Portuguese) cellphone application for data collection by scientists and citizen scientists for upload to the [Gorongosa Elephants Who's Who & Whereabouts](#) (Password-protected)

Printed Articles and books highlighting the work of Joyce Poole (a selection)

Elephant social behavior and communication research and conservation work featured in:

Aftenposten, Daily Telegraph, LA Times, Highlights for Children, Kyodo News, National Geographic Adventure, National Geographic Explorer, National Geographic Kids, National Geographic Magazine, National Geographic News, New York Times Magazine, New York Times, Readers' Digest, Science, Science News, Science Times, Scientific American, Scholastic, Spektrumdirekt, The Guardian.

2021 [What Has Four Legs, a Trunk and a Behavioral Database](#), New York Times.

2021 [The First Google Translate for Elephants Debuts](#), Scientific American.

2021 [What are elephants saying? First-ever library reveals communication mysteries](#), National Geographic.

2021 [Roar-Rumble And Squeal-Trumpet: Scientists Compile An Elephant Lexicon](#), Forbes.

2014 Jodi Picoult, *Leaving Time*, a novel.

2005 Kay Redfield Jamison, *Exuberance: A Passion for Life*, non-fiction.

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

1992 Doug Chadwick, *Fate of the Elephant*.

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

Artistic work featuring elephant calls recorded by Joyce Poole (a selection)

2016 Carlos Casas, *Cemetery*, film, a visual and acoustic work in progress.

2013 Paul Winter, *Summer Solstice Celebration Performance* June 22 at the Cathedral in New York.

2010 Paul Winter, *Miho, Journey to the Mountain*.

2009 James Cameron, *Avatar*, film.

2002 Ruichi Sakamoto, *Elephantism*, DVD Book interviews and discussions.

2002 Jim Metzner, *Pulse of the Planet: Extraordinary Sounds from the Natural World*.

Radio (a selection)

- 2021 Scientist Joyce Poole [On What Elephants Have To Say](#), NPR.
- 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)

- 2019 *Women of Impact*, National Geographic.
- 2016 *Mind of a Giant*, award winning documentary, National Geographic and Vulcan Productions.
- 2015 *Rebirth of Paradise, Episodes 2 and 5* National Geographic and PBS.
- 2013 *An apology to elephants*, HBO.
- 2012 *War Elephants*, award winning documentary about the traumatised elephants in Gorongosa National Park, Mozambique, and their recovery. National Geographic Wild, worldwide.
- 2012 [Live conversation](#) on National Geographic's Facebook Page.
- 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*.
- 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*.

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