

Brief Curriculum Vitae (September 2014)

GALEN B. RATHBUN

P.O. Box 202, Cambria, California 93428, USA
Voice & FAX +1 805 927 3059, Email: grathbun@calacademy.org or grathbun@gmail.com

Education

B.A. Zoology, Humboldt State University, Arcata, California. 1966.
Ph.D. Zoology, University of Nairobi, Kenya. 1976.
Postdoctoral Fellow, Smithsonian Institution, Washington, D.C. 1977-78.

Positions

Secondary School Teacher & Museum Education Officer (Peace Corps), Kenya, 1966-1970.
Project Leader, Sirenia Research Project, U.S. Fish & Wildlife Service, Florida. 1978-85.
Project Leader, Sea Otter Translocation Project, U.S. Fish & Wildlife Service, San Simeon, California, 1985-1989.
Research Biologist, U.S. Geological Survey, San Simeon, California, 1989-1999.
Scientist Emeritus, U.S. Geological Survey, 1999-present
Fellow and Research Associate, Department of Ornithology and Mammalogy, California Academy of Sciences (San Francisco), California, 1999-present

Current Research Interests

Behavioral ecology of vertebrates, conservation biology of declining species, and the application of innovative field techniques. Recent research includes understanding the basic life history of California red-legged frogs and Pacific pond turtles, the impacts of cattle grazing on a community of small mammals in California's San Joaquin Valley, the evolution of monogamy in elephant-shrews (sengis) and dassie rats in Namibia, and the phylogenetics of sengis. Active in international conservation as the founding Chair of the Afrotheria Specialist Group of the IUCN - The World Conservation Union.

Publications - over 120 technical and popular, citations since 2000:

1. Morales-Vela, B., D. Olivera-Gomez, J.E. Reynolds, III, and G.B. Rathbun. 2000. Distribution and habitat use by manatees *Trichechus manatus manatus* in Belize and Chetumal Bay, Mexico. *Biological Conservation* 95:67-75.
2. Rathbun, G.B. and S.N. Kyalo. 2000. Golden-rumped elephant-shrew. Pp. 125-129, 340-341 *in* R.P. Reading and B.J. Miller (eds.). *Endangered animals – A reference guide to conflicting issues*. Greenwood Press, Westport, Connecticut. 383 pp.
3. Rathbun, G.B. and R.L. Wallace. 2000. Florida manatee. Pp. 107-111, 337-338 *in* R.P. Reading and B.J. Miller (eds.). *Endangered animals—A reference guide to conflicting issues*. Greenwood Press, Westport, Connecticut. 383 pp.
4. Rathbun, G.B., B.B. Hatfield and T. G. Murphey. 2000. Status of translocated sea otters at San Nicolas Island, California. *Southwestern Naturalist* 45(3):322-328.
5. Lefebvre, L.W., M. Marmontel, J. Reid, G.B. Rathbun, and D. Domning. 2001. Status and biogeography of the West Indian manatee. Pp. 425-474 *in* C. Woods and F.E. Sergile (Eds.), *Biogeography of the West Indies: past, present, and future*, second edition. CRC Press, Boca Raton, Florida. 582 pp.
6. Germano, D.J., G.B. Rathbun, and L.R. Saslaw. 2001. Managing exotic grasses and conserving declining species. *Wildlife Society Bulletin* 29(2):551-559.

7. Fellers, G.M., A. Launer, G.B. Rathbun, S. Bobzien, J. Alvarez, D. Sterner, R.B. Seymour, and M. Westphal. 2001. Overwintering tadpoles in the California red-legged frog (*Rana aurora draytonii*). *Herpetological Review*.
8. Rathbun, G.B. 2001. Elephant Shrews. Pp. 716-721 in D. Macdonald (Ed.), *The New Encyclopedia of Mammals*. Oxford University Press, New York. 930 pp.
9. Jennings, M.R. and G. B. Rathbun. 2001. *Petrodromus tetradactylus*. *American Society of Mammalogists, Mammalian Species Account* (782):1-6.
10. Rathbun, G.B. and J. Schneider. 2001. Translocation of California red-legged frogs (*Rana aurora draytonii*). *Wildlife Society Bulletin* 29(4):1300-1303.
11. Rathbun, G.B. and P.F. Woodall. 2002. A bibliography of elephant-shrews or sengis (Macroscelidea). *Mammal Review* 32(1):66-70.
12. Rathbun, G.B., N.J. Scott, Jr., and T.G. Murphey. 2002. Terrestrial habitat use by Pacific pond turtles in a Mediterranean climate. *Southwestern Naturalist* 47(2):225-235.
13. Rathbun, G.B. and D. Ribble. 2003. Does the Golden-rumped Sengi (*Rhynchocyon chrysopygus*) occur in coastal Tanzania? *Afrotherian Conservation – Newsletter of the IUCN-SSC Afrotheria Specialist Group* 2:6
14. Rathbun, G.B. 2004. The Shadow Hunter. *Africa Geographic Magazine* (February 2004) 12(1):18-19.
15. Rathbun, G.B., T. Cowley, and O. Zapke. 2005. Black mongoose (*Galerella nigrata*) home range and social behaviour affected by abundant food at an antelope carcass. *African Zoology* 40:154-157.
16. Rathbun, G.B. and C.D. Rathbun. 2005. Does the Cape Sengi (*Elephantulus edwardii*) occur in Namibia? *Afrotherian Conservation – Newsletter of the IUCN-SSC Afrotheria Specialist Group* 3:5-6.
17. Rathbun, G. B. (ed.). 2005. Order Macroscelidea. Pp. 22-34 in Skinner, J. D. and C. T. Chimimba. *The Mammals of the Southern African Subregion*, third edition. Cambridge University Press, Cape Town, South Africa. 814 pp.
18. Rathbun, G. B. and C. D. Rathbun. 2005. Noki or dassie-rat (*Petromus typicus*) feeding ecology and petrophily. *Belgian Journal of Zoology* 135 (Supplement):69-75.
19. Rathbun, G. B. and C. D. Rathbun. 2006. Social structure of the bushveld sengi (*Elephantulus intufi*) in Namibia and the evolution of monogamy in the Macroscelidea. *Journal of Zoology, London* 269(3):391-399.
20. Rathbun, G. B. and C. D. Rathbun. 2006. Social monogamy in the noki or dassie-rat (*Petromus typicus*) in Namibia. *Mammalian Biology* 71(4):203-213.
21. Rovero, F. and G. B. Rathbun. 2006. A potentially new giant sengi (elephant-shrew) from the Udzungwa Mountains, Tanzania. *Journal of East African Natural History* 95:111-115.
22. Rathbun, G. B. and C. D. Rathbun. 2006. Sheltering, basking, and petrophily in the noki or dassie-rat (*Petromus typicus*) in Namibia. *Mammalia* 2006:269-275.
23. Rathbun, G. B. and L. B. Lackey. 2007. A brief graphical history of sengis in captivity. *Afrotherian Conservation – Newsletter of the IUCN-SSC Afrotheria Specialist Group* 5:7-8.
24. Rovero, F., G. B. Rathbun, A. Perkin, T. Jones, D. O. Ribble, C. Leonard, R. R. Mwakisoma, and N. Daggart. 2008. A new species of giant sengi or elephant-shrew (genus *Rhynchocyon*) highlights the exceptional biodiversity of the Udzungwa Mountains of Tanzania. *Journal of Zoology* 274:126-133.
25. Scott, N. J., G. B. Rathbun, T. G. Murphey, and M. B. Harker. 2008. Reproduction of Pacific pond turtles (*Actinemys marmorata*) in coastal streams of central California. *Herpetological Conservation and Biology* 3(2):143-148.

26. Schipper, J.G. B. Rathbun....et al. 2008. The status of the world's land and marine mammals: diversity, threat, and knowledge. *Science* 322:225-230.
27. Rathbun, G. B. and T. E. Cowley. 2008. Behavioural ecology of the black mongoose (*Galerella nigrata*) in Namibia. *Mammalian Biology* 73:444-450.
28. Germano, D. J. and G. B. Rathbun. 2008. Growth, population structure, and reproduction of Western Pond Turtles (*Actinemys marmorata*) on the central coast of California. *Chelonian Conservation and Biology* 7(2):188-194.
29. Rathbun, G. B. 2008. Tales of sengi tails. *Afrotherian Conservation – Newsletter of the IUCN Afrotheria Specialist Group* 6:8-10.
30. Rathbun, G. B. 2009. Why is there discordant diversity in sengi (Mammalia: Afrotheria: Macroscelidea) taxonomy and ecology? *African Journal of Ecology* 47:1-13.
31. Andanje, S., B. R. Agwanda, G. W. Ngaruiya, R. Amin, and G. B. Rathbun. 2010. Sengi (elephant-shrew) observations from northern coastal Kenya. *Journal of East African Natural History* 99:cover,1-8.
32. Hoffmann, M., [.....], G.B. Rathbun, et al. 2010. The impact of conservation on the status of the world's vertebrates. *Science* 330:1503-1509.
33. Nyari, A. S., A. T. Peterson, and G. B. Rathbun. 2010. Late Pleistocene potential distribution of the North African sengi or elephant-shrew *Elephantulus rozeti* (Mammalia: Macroscelidea). *African Zoology* 45:330-339.
34. Germano, D. J., G. B. Rathbun, L. R. Saslaw, B. L. Cypher, E. A. Cypher, and L. M. Vredenburg. 2011. The San Joaquin Desert of California: ecologically misunderstood and overlooked. *Natural Areas Journal* 31(2):138-147
35. Rathbun, G. B. 2011. Aardvark hunt in Kenya (photo essay). *Afrotherian Conservation-Newsletter of the IUCN-SSC Afrotheria Specialist Group* 8 (June 2011):13-14.
36. Amin, R., G.B. Rathbun, and S Andanje. 2011. Conservation concerns for Afrotheria in northern coastal Kenya. *Afrotherian Conservation-Newsletter of the IUCN-SSC Afrotheria Specialist Group* 8 (June 2011):15-16.
37. Dumbacher, J.P., G.B. Rathbun, H.A. Smit, and S.J. Eiseb. 2012. Phylogeny and taxonomy of the round-eared sengis or elephant-shrews, genus *Macroscelides* (Mammalia, Afrotheria, Macroscelidea). *PLoS ONE* 7(3):e32410 (12 pp + 4 pp. supplement table).
38. Germano, D.J., G.B. Rathbun, and L.R. Saslaw. 2012. Effects of grazing and invasive grasses on desert vertebrates in California. *Journal of Wildlife Management* 76(4):670-682.
39. Rathbun, G.B. 2012. Water temperatures in a California Red-legged Frog breeding pond. *Immediate Science Ecology* 1:7-11.
40. Kingdon, J., E. R. Seiffert, B. Hedges, and G. Rathbun. 2013. Species Account: Supercohort Afrotheria. Pp. 143-146 in Kingdon, J. S., Happold, D. C. D., Hoffmann, M., Butynski, T.M., Happold, T, and Kalina, J. (eds.), *Mammals of Africa*, Vol. 1. Bloomsbury Publishing, London.
41. Rathbun, G. B. 2013. Genus *Petrodromus*; *Petrodromus tetradactylus*; Genus *Rhynchocyon*; *Rhynchocyon cirnei*, *R. chrysopygus*, *R. petersi*. Pp. 279-287 in

- Kingdon, J. S., Happold, D. C. D., Hoffmann, M., Butynski, T.M., Happold, M., & Kalina, J. (eds.), *Mammals of Africa, Vol. 1*. Bloomsbury Publishing, London.
42. Coals, P.G.R. and G.B. Rathbun. 2013. Taxonomic status of giant sengi (*genus Rhynchocyon*) in Mozambique. *Journal of East African Natural History* 101:241-250 (2012).
 43. Dumbacher, J.P., G.B. Rathbun, T.O. Osborne, M. Griffin, and S.J. Eiseb. 2014. A new species of round-eared sengi (*genus Macroscelides*) from Namibia. *Journal of Mammalogy* 95:443-454.
 44. Rathbun, G. B., Agnelli, P. & Innocenti, G. 2014. Distribution of sengis in the Horn of Africa. *Afrotherian Conservation - Newsletter of the IUCN-SCC Afrotheria Specialist Group*, 10:2-4.
 45. Rathbun, G. B., Osborne, T. O. & Coals, P. G. R. 2015. Distribution of the Etendeka round-eared sengi (*Macroscelides micus*), a Namibian endemic mammal. *Journal of Namibia Scientific Society*, In Press.