



Full publication list (July 2023)

Nancy Jennings

Dotmoth

Tel. 0117 9780696; 07789 860926

email: nancy@dotmoth.co.uk



Maiden name: Vaughan

1. Kastelein, R.A., Bakker, M.J., **Jennings, N.** & Covi-Dijkhuizen, J. (2023) Evaluating the use of Diazepam in stranded dolphins and porpoises for husbandry and veterinary purposes. *Aquatic Mammals* 49: 94-103.
2. Kastelein, R.A., Smink, A., & **Jennings, N.** (2023) Atlantic green turtles and hawksbill turtles: behavioral responses to sound. *The Effects of Noise on Aquatic Life*, pp 311-315 (eds A.N. Popper, J. Sisneros, A.D. Hawkins, F. Thomsen) Springer, Cham. [https://doi.org/10.1007/978-3-031-10417-6_75-1].
3. Kastelein, R.A., **Jennings, N.**, & Huijser, L.A.E. (2022) White-beaked dolphins (*Lagenorhynchus albirostris*) cooperating with humans and showing altruism toward harbor porpoises (*Phocoena phocoena*). *Aquatic Mammals* 48: 75-82.
4. Leclère, D., Obersteiner, M., Barrett, M., Butchart, S.H.M., Chaudhary, A., De Palma, A., DeClerck, F.A.J., Di Marco, M., Doelman, J.C., Dürauer, M., Freeman, R., Harfoot, M., Hasegawa, T., Hellweg, S., Hilbers, J.P., Hill, S.L.L., Humpenöder, F., **Jennings, N.**, Krisztin, T., Mace, G.M., Ohashi, H., Popp, A., Purvis, A., Schipper, A.M., Tabeau, A., Valin, H., van Meijl, H., van Zeist, W.-J., Visconti, P., Alkemade, R., Almond, R., Bunting, G., Burgess, N.D., Cornell, S.E., Di Fulvio, F., Ferrier, S., Fritz, S., Fujimori, S., Grooten, M., Harwood, T., Havlík, P., Herrero, M., Hoskins, A.J., Jung, M., Kram, T., Lotze-Campen, H., Matsui, T., Meyer, C., Nel, D., Newbold, T., Schmidt-Traub, G., Stehfest, E., Strassburg, B.B.N., van Vuuren, D.P., Ware, C., Watson, J.E.M., Wu W., & Young L. (2020) Bending the curve of terrestrial biodiversity needs an integrated strategy. *Nature* 585: 551–556 [<https://doi.org/10.1038/s41586-020-2705-y>].
5. **Jennings, N.** (2019) Mammal Review. *Mammal News* Spring: 8-9.
6. Kastelein, R.A., Helder-Hoek, L., Booth, C., **Jennings, N.**, & Leopold, M. (2019) High levels of food intake in harbor porpoises (*Phocoena phocoena*): insight into recovery from disturbance. *Aquatic Mammals* 45: 380-388.
7. Kastelein, R.A., Helder-Hoek, L., **Jennings, N.**, van Kester, R., & Huisman, R. (2019) Reduction in body mass and blubber thickness of harbor porpoises (*Phocoena phocoena*) due to near-fasting for 24 hours in four seasons. *Aquatic Mammals* 45: 37-47.
8. Kastelein, R.A., Huijser, L.A.E., Cornelisse, S., Helder-Hoek, L., **Jennings, N.**, de Jong, C.A.F. (2019) Effect of pile-driving playback sound level on fish-catching efficiency in harbor porpoises (*Phocoena phocoena*). *Aquatic Mammals* 45: 398-410.
9. Kastelein, R.A., Helder-Hoek, L., & **Jennings, N.** (2018) Seasonal changes in food consumption, respiration rate and body condition of a male harbor porpoise (*Phocoena phocoena*). *Aquatic Mammals* 44: 76-91. [DOI 10.1578/AM.44.1.2018.76]
10. Kastelein, R.A., Voorde, S van de, & **Jennings, N.** (2018) Swimming speed of a harbor porpoise (*Phocoena phocoena*) during playbacks of pile driving sounds. *Aquatic Mammals* 44: 92-99. [DOI 10.1578/AM.44.1.2018.92]
11. **Jennings, N.** (2018) *Spotlight Bats*. RSPB/Bloomsbury, London, UK.
12. **Jennings, N.** (2017) *Spotlight Hares*. RSPB/Bloomsbury, London, UK.
13. Butterworth, A., Turner, K.M.E., **Jennings, N.** (2017) Minimising orphaning in the brown hare *Lepus europaeus* in England and Wales: should a close season be introduced? *Wildlife Biology* wlb.00279. [DOI 10.2981/wlb.00279]
14. Kastelein, R.A., **Jennings, N.**, Kommeren, A., Helder-Hoek L., Schop, J. (2017) Acoustic dose-behavioral response relationship in sea bass (*Dicentrarchus labrax*) exposed to playbacks of pile driving sounds. *Marine Environmental Research* 130, 315-324. [DOI: <http://dx.doi.org/10.1016/j.marenvres.2017.08.010>]
15. Kastelein, R. A., Triesscheijn, R. J. V., & **Jennings, N.** (2016) Reversible bending of the dorsal fins of harbor porpoises (*Phocoena phocoena*) and a striped dolphin (*Stenella coeruleoalba*) in captivity. *Aquatic Mammals* 42, 218-226. [DOI: 10.1578/AM.42.2.2016.218]

16. Kastelein, R., Hoek, L., Gransier, R., Terhune, J. M., & **Jennings, N.** (2015) Hearing thresholds of harbor seals (*Phoca vitulina*) for playbacks of seal scarer signals, and effects of the signals on behavior. *Hydrobiologia* 756, 75-88.
17. Kastelein, R. A., Hoek, L., Gransier, R., de Jong, C. A. F., Terhune, J. M., & **Jennings, N.** (2015) Hearing thresholds of a harbor porpoise (*Phocoena phocoena*) for playbacks of seal scarer signals, and effects of the signals on behavior. *Hydrobiologia* 756, 89-103.
18. Kastelein, R. A., van den Belt, I., **Jennings, N.**, & de Kruijf, R. (2015) Behavior and body mass changes of a mother and calf Pacific walrus (*Odobenus rosmarus divergens*) during the suckling period. *Zoo Biology* 34, 9-19.
19. Kastelein, R., Schop, J., Gransier, R., Steen, N., & **Jennings, N.** (2014) Effect of series of 1 to 2 kHz and 6 to 7 kHz up-sweeps and down-sweeps on the bahavior of a harbor porpoise (*Phocoena phocoena*). *Aquatic Mammals* 40, 232-242. [DOI: 10.1578/AM.40.3.2014.232]
20. Kastelein, R., Hoek, L., Gransier, R., & **Jennings, N.** (2013) Hearing thresholds of two harbor seals (*Phoca vitulina*) for playbacks of multiple pile driving strike sounds. *Journal of the Acoustical Society of America* 134, 2307-2312. [<http://dx.doi.org/10.1121/1.4817889>]
21. Kastelein, R. & **Jennings, N.** (2012) Impacts of anthropogenic sounds on *Phocoena phocoena* (harbor porpoise). *The Effects of Noise on Aquatic Life*, pp 311-315 (eds A.N. Popper & A. Hawkins), Springer. [DOI: 10.1007/978-1-4419-7311-5_69]
22. Stott, P., **Jennings, N.**, & Harris, S. (2010) Is the large size of the pinna of the ear of the European hare (*Lepus europaeus*) due to its role in thermoregulation or in anterior capital shock absorption? *Journal of Morphology* 271, 674-681.
23. **Jennings, N.** & Pocock, M.J.O. (2009) Relationships between sensitivity to agricultural intensification and ecological traits of mammals and arthropods. *Conservation Biology* 23, 1195-1203.
24. **Jennings, N.** (2009) Seeking the hidden hare. BBC Wildlife, March 2009, 50-55.
25. Kastelein, R.A., Verboom, W.C., **Jennings, N.**, de Haan, D. & van der Heul, S. (2008) The influence of 70 and 120 kHz tonal signals on the behavior of harbor porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research* 66, 319–326. [DOI: 10.1016/j.marenvres.2008.05.005]
26. Kastelein, R.A., Verboom, W.C., **Jennings, N.** & de Haan, D. (2008) Behavioral avoidance threshold level of a harbor porpoise (*Phocoena phocoena*) for a continuous 50 kHz pure tone. *Journal of the Acoustical Society of America* 123, 1858-1861.
27. **Jennings, N.**, Parsons, S. & Pocock, M.J.O. (2008) Human vs. machine: identification of bat species from their echolocation calls by humans and by artificial neural network. *Canadian Journal of Zoology* 86, 371-377.
28. Kastelein, R.A., Verlaan, M. & **Jennings, N.** (2008) Number and duration of echolocation click trains produced by a harbor porpoise (*Phocoena phocoena*) in relation to target and performance (L). *Journal of the Acoustical Society of America* 124, 40-43. [DOI: 10.1121/1.2924132]
29. Kastelein, R.A., van der Heul, S., Verboom, W.C., **Jennings, N.**, van der Veen, J. & de Haan, D. (2008) Startle response of captive North Sea fish species to underwater tones between 0.1 and 64 kHz. *Marine Environmental Research* 65, 368-377.
30. Pocock, M.J.O. & **Jennings, N.** (2008) Testing biotic indicator taxa: the sensitivity of insectivorous mammals and their prey to the intensification of lowland agriculture. *Journal of Applied Ecology* 45, 151-160.
31. Kastelein, R.A., van der Heul, S., van der Veen, J., Verboom, W.C., **Jennings, N.**, de Haan, D. & Reijnders, P. J. H. (2007) Effects of acoustic alarms, designed to reduce small cetacean bycatch in gillnet fisheries, on the behaviour of North Sea fish species in a large tank. *Marine Environmental Research* 64, 160-180.
32. Kastelein, R. A., **Jennings, N.** & Postma, J. (2007) Feeding enrichment methods for Pacific walrus (*Odobenus rosmarus divergens*) calves. *Zoo Biology* 26, 175-186.
33. Pocock, M.J.O. & **Jennings, N.** (2006) Use of hair tubes to survey for shrews: new methods for identification and quantification of abundance. *Mammal Review* 36, 299-308.
34. Kastelein, R.A., **Jennings, N.**, Verboom, W.C., de Haan, D., & Schooneman, N.M. (2006) Differences in the response of a striped dolphin (*Stenella coeruleoalba*) and a harbour porpoise (*Phocoena phocoena*) to an acoustic alarm. *Marine Environmental Research* 61, 363-378.
35. **Jennings, N.**, Smith, R.K., Hackländer, K., Harris, S. & White, P.C.L. (2006) Variation in demography, condition and dietary quality of hares *Lepus europaeus* from high-density and low-density populations. *Wildlife Biology* 12, 179-189.

36. Kastelein, R.A., van der Heul, S., Verboom, W.C., Triesscheijn, R.J.V. & **Jennings, N.V.** (2006) The influence of underwater data transmission sounds on the displacement behaviour of captive harbour seals (*Phoca vitulina*). *Marine Environmental Research* 61, 19-39.
37. Smith, R.K., **Jennings, N.V.**, Tataruch, F., Hackländer, K. & Harris, S. (2005) Vegetation quality and habitat selection by European hares (*Lepus europaeus*) in a pastoral landscape. *Acta Theriologica* 50, 391-404.
38. Vaughan, R. & **Jennings, N.V.** (2005) *The stone curlew Burhinus oedicnemus*. Isabelline books.
39. White, P.C.L., **Jennings, N.V.**, Renwick, A.R., & Barker, N.H.L. (2005) Questionnaires in ecology: a review of past use and recommendations for best practice. *Journal of Applied Ecology* 42, 421-430.
40. Seymour, A., Varnham, K., Roy, S., Harris, S., Bhageerutty, L., Church, S., Harris, A., **Jennings, N.V.**, Jones, C., Khadun, A., Mauremootoo, J., Newman, T., Tatayah, V., Webbon, C. & Wilson, G. (2005) Mechanisms underlying the failure of an attempt to eradicate the invasive Asian musk shrew *Suncus murinus* from an island nature reserve. *Biological Conservation* 125, 23-35.
41. Smith, R.K., **Jennings, N.V.** & Harris, S. (2005) A quantitative analysis of the abundance and demography of European hares *Lepus europaeus* in relation to habitat type, intensity of agriculture and climate. *Mammal Review* 35, 1-24
42. Kastelein, R.A., Verboom, W.C., Muijsers, M., **Jennings, N.V.** & van der Heul, S. (2005) The influence of acoustic emissions for underwater data transmission on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research* 59, 287-307
43. Smith, R.K., **Jennings, N.V.**, Robinson, A., & Harris, S. (2004) Conservation of European hares *Lepus europaeus* in Britain: is increasing habitat heterogeneity in farmland the answer? *Journal of Applied Ecology* 41, 1092-1102.
44. Wickramasinghe, L.P., Harris, S., Jones, G. & **Jennings, N.V.** (2004) Abundance and species richness of nocturnal insects on organic and conventional farms: effects of agricultural intensification on bat foraging. *Conservation Biology* 18, 1283-1292.
45. **Jennings, N.V.**, Parsons, S., Barlow, K.E., & Gannon, M.R. (2004) Echolocation calls and wing morphology of bats from the West Indies. *Acta Chiropterologica* 6, 75-90.
46. Jones, G., **Vaughan, N.**, Russo, D., Wickramasinghe, L.P., & Harris, S. (2004) Designing bat activity surveys using time expansion and direct sampling of ultrasound. *Bat Echolocation Research: Tools, Techniques and Analysis* (eds. R.M. Brigham, E.K.V. Kalko, G. Jones, S. Parsons & H.J.G.A. Limpens). Bat Conservation International, Austin, Texas.
47. Wickramasinghe, L.P., Harris, S., Jones, G. & **Vaughan, N.** (2003) Bat activity and species richness on organic and conventional farms: impact of agricultural intensification. *Journal of Applied Ecology* 40, 984-993.
48. **Vaughan, N.**, Lucas, E.-A., Harris, S., & White, P.C.L. (2003) Habitat associations of European hares *Lepus europaeus* in England and Wales: implications for farmland management. *Journal of Applied Ecology* 40, 163-175.
49. Glendell, M. & **Vaughan, N.** (2002) Foraging activity of bats in historic landscape parks in relation to habitat composition and park management. *Animal Conservation* 5, 309-316.
50. Kastelein, R.A., **Vaughan, N.**, Walton, S. & Wiepkema, P.R. (2002) Food intake and body measurements of Atlantic bottlenose dolphins (*Tursiops truncatus*) in captivity. *Marine Environmental Research* 53, 199-218.
51. Kastelein, R.A., de Haan, D., **Vaughan, N.**, Staal, C., & Schooneman, N.M. (2001) The influence of three acoustic alarms on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research* 52, 351-371.
52. Jones, K.E., Barlow, K.E., **Vaughan, N.**, Rodríguez-Durán, A. & Gannon, M.R. (2001) Short-term impacts of extreme environmental disturbance on the bats of Puerto Rico. *Animal Conservation* 4, 59-66.
53. Jones, G., **Vaughan, N.** & Parsons, S. (2000) Acoustic identification of bats from directly sampled and time expanded recordings of vocalizations. *Acta Chiropterologica* 2, 155-170.
54. Kastelein, R.A., Schooneman, N.M., **Vaughan, N.** & Wiepkema, P.R. (2000) Food consumption and growth of California sea lions (*Zalophus californianus californianus*). *Zoo Biology* 19, 143-159.

55. Kastelein, R.A., Rippe, H.T., **Vaughan, N.**, Schooneman, N.M., Verboom, W.C. & de Haan, D. (2000) The effects of acoustic alarms on the behavior of harbor porpoises (*Phocoena phocoena*) in a floating pen. *Marine Mammal Science* 16, 46-64.
56. McDonald, R.A. & **Vaughan, N.** (1999) An efficient way to prepare mammalian skulls and bones. *Mammal Review* 29, 265-266.
57. Vaughan, R., Vaughan, M., & **Vaughan, N.** (1999) *Catch figures from duck decoys in the Netherlands, 1853 to 1970.* IBN Scientific Contributions Series, Wageningen, the Netherlands.
58. Kastelein, R.A., de Haan, D., Goodson, A.D., Staal, C. & **Vaughan, N.** (1997) The effects of various sounds on a harbour porpoise (*Phocoena phocoena*). *The Biology of the Harbour Porpoise* (*Phocoena phocoena*), pp. 367-383 (eds. A.J. Read, P.R. Wiepkema & P.E. Nachtigall). Woerden, the Netherlands, De Spil Publishers.
59. Kastelein, R.A., **Vaughan, N.**, Groenenberg, H.J., Boekholt, H.A. & Schreurs, V.V.A.M. (1997) Respiration in harbour porpoises (*Phocoena phocoena*). *The Biology of the Harbour Porpoise* (*Phocoena phocoena*), pp. 203-215 (eds. A.J. Read, P.R. Wiepkema & P.E. Nachtigall). Woerden, the Netherlands, De Spil Publishers.
60. Kastelein, R.A., Schooneman, N.M., Au, W.W.L., Verboom, W.C. & **Vaughan, N.** (1997) The ability of a harbour porpoise (*Phocoena phocoena*) to discriminate between objects buried in sand. *The Biology of the Harbour Porpoise* (*Phocoena phocoena*), pp. 329-342 (eds. A.J. Read, P.R. Wiepkema & P.E. Nachtigall). Woerden, the Netherlands, De Spil Publishers.
61. **Vaughan, N.** & Vaughan, R. (1997) Changes in populations of Kittiwakes *Rissa tridactyla* and Common Guillemots *Uria aalge* breeding on the Flamborough Headland, 1967-1994. *Naturalist* 122, 3-11.
62. **Vaughan, N.** Jones, G. & Harris, S. (1997) Habitat use by bats (Chiroptera) assessed by means of a broad-band acoustic method. *Journal of Applied Ecology* 34, 716-730.
63. **Vaughan, N.**, Jones, G. & Harris, S. (1997) Identification of British bat species by multivariate analysis of echolocation call parameters. *Bioacoustics* 7, 189-207.
64. **Vaughan, N.** (1997) The diets of British bats (Chiroptera). *Mammal Review* 27, 77-94.
65. **Vaughan, N.** & Hill, J.E. (1996) Bat (Chiroptera) diversity and abundance in banana plantations and rain forest, and three new records for St. Vincent, Lesser Antilles. *Mammalia* 60, 441-447.
66. **Vaughan, N.**, Jones, G. & Harris, S. (1996) Effects of sewage effluent on the activity of bats (Chiroptera: Vespertilionidae) foraging along rivers. *Biological Conservation* 78, 337-343.
67. Kastelein, R.A., Mosterd, P. & **Vaughan, N.** (1992) Cognition and decision-making by a California sea lion (*Zalophus californianus*) in visual discrimination tests. *Marine Mammal Sensory Systems*, pp. 685-696 (Eds. J. Thomas et al.). New York, Plenum Press.
68. Kastelein, R.A., Wiepkema, P.R. & **Vaughan, N.** (1991) The suckling period of a grey seal (*Halichoerus grypus*) while the mother had access to a pool. *Aquatic Mammals* 17, 42-51.
69. Kastelein, R.A., Wiepkema, P.R. & **Vaughan, N.** (1990) The food consumption of grey seals (*Halichoerus grypus*) in human care. *Aquatic Mammals* 15, 171-180.
70. Kastelein, R.A., **Vaughan, N.** & Wiepkema, P.R. (1990) The food consumption of Steller sea lions (*Eumetopias jubatus*). *Aquatic Mammals* 15, 137-144.
71. Kastelein, R.A. & **Vaughan, N.** (1989) Food consumption, body measurements and weight changes of a female killer whale (*Orcinus orca*). *Aquatic Mammals* 15, 18-21.