

## WWCT Scientific Journal Publications

<sup>1</sup> No staff as authors but WWCT provided data, samples or access to plants/animals/visitors

<sup>2</sup> No staff as authors but WWCT provided funding

### 2017

Böning, P., Wolf, S., Upton, K., Menin, M., Venegas, P.J. and Lötters, S. 2017. Amphibian diversity and its turnover in floating meadows along the Amazon river. *Salamandra* 53: 379-388

Cabana, F., Plowman, A., Van, T.N., Chin, S., Wu, S., Lo, H., Watabe, H. and Yamamoto, F. 2017. Feeding Asian pangolins: an assessment of current diets fed in institutions worldwide. *Zoo Biology* online early DOI:10.1002/zoo.21349

Dillon, M.J., Bowkett, A.E., Bungard, M.J., Beckman, K., O'Brien, M., Bates, K., Fisher, M.C., Stevens, J.R. and Thornton, C.R. 2017. Tracking the amphibian pathogens *Batrachochytrium dendrobatidis* and *Batrachochytrium salamandrivorans* by using a highly specific monoclonal antibody and lateral-flow technology. *Microbial Biotechnology* 10: 381-394

Hamston, T.J., Wilson, R.J., de Vere, N., Rich, T.J., Stevens, J.R. and Cresswell, J.E. 2017. Breeding system and spatial isolation from congeners strongly constrain seed set in an insect-pollinated apomictic tree: *Sorbus subcuneata* (Rosaceae). *Scientific Reports* 7:45122

Rose, P.E., Nash, S.M. and Riley, L.M. 2017. To pace or not to pace? A review of what abnormal repetitive behaviour tells us about zoo animal management. *Journal of Veterinary Behaviour* 20: 11-21

### 2016

Jones, H., McGregor, P.K., Farmer, H.L.A. and Baker, K.R. 2016. The influence of visitor interaction on the behavior of captive crowned lemurs (*Eulemur coronatus*) and implications for welfare. *Zoo Biology* 35: 222-227

Fountain, K., Jeffs, C., Croft, S., Gregson, J., Lister, J., Evans, A., Carter, I., Chang, Y.M. and Sainsbury, A.W. 2016. The influence of risk factors associated with captive rearing on post-release survival in translocated ciril buntings *Emberiza cirilus* in the UK. *Oryx* online early doi:10.1017/S0030605315001313

Harding, L., Tapley, B., Gill, I., Kane, D., Servini, F., Januszczak, I.S., Capon-Doyle, J. and Michaels, C. 2016. Captive husbandry and breeding of the tree-runner lizard (*Plica plica*) at ZSL London Zoo. *The Herpetological Bulletin* 138: 1-5

<sup>1</sup>Marshall, A.R., Deere, N.J., Little, H.A., Snipp, R., Goulder, J and Mayer-Clarke, S. 2016. Husbandry and enclosure influences on penguin behaviour and conservation breeding. *Zoo Biology* 35: 385-397

Martin, R.A. and Melfi, V. 2016. A comparison of zoo animal behavior in the presence of familiar and unfamiliar people. *Journal of Applied Animal Welfare Science* 19: 234-244

Michaels, C.J., Fahrbach, M., Harding, L., Bryant, Z., Capon-Doyle, J.S., Grant, S., Gill, I. and

Tapley, B. (2016). Relating natural climate and phenology to captive husbandry in two midwife toads (*Alytes obstetricans* and *A. cisternasii*) from different climatic zones. *Alytes* 33, 2-11.

<sup>1</sup>Mills, C.A., Godley, B.J. and Hodgson, D.J. 2016. Take only photographs, leave only footprints: novel applications for ino-invasive survey methods for rapid detection of small arboreal animals. *PLoS ONE* 11: e0146142

<sup>1</sup>Muneza, A.B., Montgomery, R.A., Fennessy, J.T., Dickman, A.J., Roloff, G.J., and Macdonald, D.W. 2016. Regional variation in the manifestation, prevalence and severity of giraffe skin disease a review of an emerging disease in wild and captive giraffe populations. *Biological Conservation* 198: 145-156

Rowden, L. and Rose, P.E. 2016. A global survey of banteng (*Bos javanicus*) housing and husbandry. *Zoo Biology* 35: 546-555

## 2015

<sup>1</sup>Ainsworth, A.M., Farley, D., Gainey, P. Penna, P. and Suz, L.M. 2015. Invasion of the orange ping-pong bats: the rapidly changing distribution of *Favolaschia calocera*. *Field Mycology* 16: 113-120

Amin, R., Andanje, S.A., Ogwonka, B., Ali, A.H., Bowkett, A.E., Omar, M. and Wachter, T. The northern coastal forests of Kenya are nationally and globally important for the conservation of Aders' duiker and other antelope species. *Biodiversity and Conservation* 24: 641-658

Baker, K. R., Lea, S. E. G., and Melfi, V. A. 2015. Comparative personality assessment of three captive primate species *Macaca nigra*, *Macaca sylvanus*, and *Saimiri sciureus*. *International Journal of Primatology* 36: 625-646

Britt, S., Cowlard, K., Baker, K. and Plowman, A. 2015. Aggression and self-directed behaviour of captive lemurs (*Lemur catta*, *Varecia variegata*, *V. rubra* and *Eulemur coronatus*) is reduced by feeding fruit-free diets. *Journal of Zoo and Aquarium Research* 3: 52-58

Bowkett, A.E., Jones, T., Rovero, F. Nielsen, M.R., Plowman, A.B. and Stevens, J.R. 2015. Genetic patterns in forest antelope populations in the Udzungwa Mountains, Tanzania, as inferred from non-invasive sampling. *Journal of East African Natural History* 104: 91-125

Cabana, F. and Nekaris, K.A.I. 2015. Diets high in fruits and low in gym exudates promote the occurrence and development of dental disease in pygmy slow loris (*Nycticebus pygmaeus*). *Zoo Biology* 34: 547-553.

<sup>2</sup>Chadwick, C.L., Springate, D.A., Rees, P.A., Armitage, R.P. and O'Hara, S.J. Calculating association indices in captive animals: Controlling for enclosure size and shape. *Applied Animal Behaviour Science* 169: 100-106

<sup>1</sup>Edwards, K.L., Shultz, S., Pilgrim, M. and Walker, S.L. 2015. Male reproductive success in correlated with testosterone in the eastern black rhinoceros (*Diceros bicornis michaeli*). *General and Comparative Endocrinology* 213:40-49

<sup>1</sup>Edwards, K.L., Shultz, S., Pilgrim, M. and Walker, S.L. 2015. Irregular ovarian activity, body

condition and behavioural differences are associated with reproductive success in female eastern black rhinoceros (*Diceros bicornis michaeli*). *General and Comparative Endocrinology* 214:186-194

- <sup>1</sup>Hanson, J. 2015. Critical factors for sustainable food procurement in zoological. *Zoo Biology* 34: 483-491
- Hamston, T., Pellicer, J. and Fay, M.F. 2015. Polyploid wild service tree: first record of a triploid *Sorbus torminalis* (Rosaceae) in Britain. *New Journal of Botany* 5: 34-36
- Moore, R.S., Cabana, F. and Nekaris, K.A.I. 2015. Factors influencing stereotypic behaviours of animals rescued from Asian animal markets: a slow loris case study. *Applied Animal Behaviour Science* 166: 131-136
- <sup>1</sup>Roe, K and McConney, A. 2015. Do zoo visitors come to learn? An internationally comparative, mixed-methods study. *Environmental Education Research* 21: 865-884
- <sup>1</sup>Roe, K., McConney, A. and Mansfield, C. 2015. How do zoos 'talk' to their general visitors? Do visitors 'listen'? A mixed methods investigation of the communication between modern zoos and their general visitors. *Australian Journal of Environmental Education* 30: 167-186.
- <sup>2</sup>Silva, D., Macedo, A., Ascher, J. and Marco, P. 2015. Range increase in a Neotropical orchid bee under future scenarios of climate change. *Journal of Insect Conservation* 19: 901-910
- Tapley, B., Bradfield, K.S., Michaels, C. and Bungard, M. 2015. Amphibians and conservation breeding programmes: do all threatened amphibians belong on the ark? *Biodiversity and Conservation* 24: 2625-2646
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- <sup>1</sup>Whitehouse-Tedd, K.M., Lefebvre, S.L. and Janssens, G.P.J. 2015. Dietary factors associated with faecal consistency and other indicators of gastrointestinal health in the captive cheetah (*Acinonyx jubatus*). *PLoS ONE* 10: e0120903
- <sup>2</sup>Willcox, D., Trang Q.P., Nguyen V.T., Nguyen V.N., Kempinski, J. and Robertson, S. 2015. The conservation status of small carnivores in the Ke Go-Khe Net Lowlands, Central Vietnam. *Small Carnivore Conservation* 52/53: 56-73
- Williams, E., Cabana, F., and Nekaris, K.A.I. 2015. Improving diet and activity of insectivorous primates in captivity: naturalizing the diet of northern Ceylon gray slender loris, *Loris nydekkerianus nordicus*. *Zoo Biology* 34: 473-482.
- <sup>2</sup>Williams, R.J., Horrocks, J. and Pernetta, A. 2015. Natural history, distribution, and conservation status of the Barbados leaf-toed gecko, *Phyllodactylus pulcher* Gray, 1828 (Squamata, Gekkonidae). *Herpetology Notes* 8: 197-204

## 2014

- Bowkett, A.E. 2014. *Ex situ* conservation planning is more complicated than prioritizing the keeping of threatened species in zoos. *Animal Conservation* 17: 101-103

- Bowkett, A.E., Jones, T., Rovero, F., Nielsen, M.R., Davenport, T.R.B., Hawkins, D., Plowman, A.B. and Stevens, J.R. 2014. Distribution and genetic diversity of the endangered Abbott's duiker *Cephalophus spadix* in the Udzungwa Mountains, Tanzania. *Endangered Species Research* 24: 105-114
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- <sup>2</sup>Groenendijk, J., Hajek, F., Johnson, P.J., Macdonald, D.W., Calvimontes, J., Staib, E. and Schenck, C. 2014. Demography of the giant otter (*Pteronura brasiliensis*) in Manu National Park, South-Eastern Peru: implications for conservation. *PLoS ONE* 9: e106202
- <sup>1</sup>Hanson, J. and Holt, D. 2014. Sustainable food procurement in British and Irish zoos. *British Food Journal* 116: 1636-1651
- <sup>2</sup>Nuwer, R. and Bell, D. 2014. Identifying and quantifying the threats to biodiversity in the U Minh peat swamp forests of the Mekong Delta, Vietnam. *Oryx* 48: 88-94
- <sup>1</sup>Roe, K., McConney, A. and Mansfield, C. 2014. The role of zoos in modern society – a comparison of zoos' reported priorities and what visitors believe they should be. *Anthrozoos* 27: 529-541
- <sup>1</sup>Roe, K., McConney, A. and Mansfield, C. 2014. Using evaluation to prove or to improve? An international, mixed method investigation into zoos' formal education evaluation practices. *Journal of Zoo and Aquarium Research* 2: 108-116
- Shave, R., Oxborough, D., Somauroo, J., Feltrer, Y., Strike, T., Routh, A., Chapman, S., Redrobe, S., Thompson, L., Unwin, S., Sayers, G., Murphy, H., Radoport, G. and Stohr, E. 2014. Echocardiographic assessment of cardiac structure and function in great apes: a practical guide. *International Zoo Yearbook* 48: 218-213
- <sup>2</sup>Silva, D.P., Gonzalez, V.H., Melo, G.A.R., Lucia, M., Alvarez, L.J. and De Marco, P. 2014. Seeking the flowers for the bees: Integrating biotic interactions into niche models to assess the distribution of the exotic bee species *Lithurgus huberi* in South America. *Ecological Modelling* 273: 200-209
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- <sup>1</sup>Alfellani, M.A., Taner-Mulla, D., Jacob, A.S., Imeede, C.A., Yoshikawa, H., Stensvold, C.R. and Clark, C.G. 2013. Genetic diversity of Blastocystis in livestock and zoo animals. *Protist* 164: 497-509.
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<sup>2</sup>Evans, K., Moore, R. and Harris, S. 2013. The social and ecological integration of captive-raised adolescent male African elephants (*Loxodonta africana*) into a wild population. *PloS ONE* 8: e55933

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<sup>2</sup>Silva, D.P., Aguiar, A.J.C., Melo, G.A.R., Anjos-Silva, E.J. and de Marco, P. 2013. Amazonian species within the Cerrado savanna: new records and potential distribution for *Aglae caerulea* (Apidae: Euglossini). *Apidologie* 44: 673-683

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<sup>2</sup>Evans, K. and Harris, S. 2012. Sex differences in habitat use by African elephants (*Loxodonta africana*) in the Okavango Delta, Botswana: is size really the deciding factor? *African Journal of Ecology* 50: 277-284

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doi:10.1016/j.biocon.2012.01.066

<sup>1</sup>Martin, R. 2012. A study of public education in zoos with emphasis on exhibit labels. *International Zoo Educators Journal* 48: 55-59

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<sup>1</sup>Panagiotopoulou, O., Wilshin, S.D., Rayfield, E.J., Shefelbine, S.J. and Hutchinson, J.R. 2012. What makes an accurate and reliable subject-specific finite element model? A case study of an elephant femur. *Journal of The Royal Society Interface* 9: 351-361

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<sup>2</sup>de Oliveira Calleia, F., Rohe, F. and Gordo, M., 2009. Hunting strategy of the margay (*Leopardus wiedii*) to attract the wild pied tamarin (*Saguinus bicolor*). *Neotropical Primates* 16: 32-34.

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<sup>2</sup>Edmunds, K., Bunbury, N., Sawmy, S., Jones, C.G. and Bell, D.J. 2008. Restoring avian island endemics: use of supplementary food by the endangered pink pigeon (*Columba mayeri*). *Emu* 108: 74-80

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