

Alison Cree – Publications to September 2021

Book

Cree, A. 2014. *Tuatara: biology and conservation of a venerable survivor*. Canterbury University Press, Christchurch, New Zealand. 584 p. ISBN 978-1-927145-44-9

Book chapters

Jarvie S, Price S, Nelson N, Cree A. in press. Conservation translocations of tuatara: restoring populations of an evolutionary relict in New Zealand In: Walls SC and O'Donnell KM, eds. *Strategies for conservation success in herpetology*. University Heights, Ohio: Society for the Study of Amphibians and Reptiles.

Cree A, Hare KM, Nelson NJ, Chukwuka CO, Virens J. 2021. How thermal ecophysiology assists the conservation of reptiles: Case studies from New Zealand's endemic fauna. In: Madliger CL, Franklin CE, Love OP and Cooke SJ, eds. *Conservation physiology: applications for wildlife conservation and management*. Oxford: Oxford University Press. 269-286.

Cree, A. and Hare, K.M. 2016. Reproduction and life history of New Zealand lizards. In *New Zealand lizards*. Chapple, D.G. (ed). Springer, Switzerland. pp 169-206.

Hare, K.M. and Cree, A. 2016. Thermal and metabolic physiology of New Zealand lizards. In *New Zealand lizards*. Chapple, D.G. (ed). Springer, Switzerland. pp 239-247.

Cree, A. 2015. Reproductive anatomy and cycles of tuatara (*Sphenodon punctatus*), an intriguing non-squamate lepidosaur. In *Reproductive biology and phylogeny of lizards and tuatara*. Rheubert, J. L., Siegel, D. S. and Trauth, S. E., eds. Science Publishers (CRC Press), Boca Raton, Florida. pp 620-646 + colour plate p. 748. ISBN 9781466579866.

Daugherty, C. H. and Cree, A. 2009. Tuatara. In Frankham, J., ed. *The best of New Zealand Geographic: exploring our land and culture*. Kowhai Publishing, Auckland. pp 72-73. ISBN 9781869537661 (reprinted excerpt from article by Daugherty and Cree 1990 in *New Zealand Geographic*).

Daugherty, C. H. and Cree, A. 2008. A survivor from the dinosaur age. In *The Awa Book of New Zealand science*. R. Priestley, ed. Awa Press, Wellington, pp 291-301. ISBN 9780958262996 (reprinted excerpt from article by Daugherty and Cree 1990 in *New Zealand Geographic*).

Nelson, N. J., Cree, A., Thompson, M. B., Keall, S. N. and Daugherty, C. H. 2004. Temperature-dependent sex determination in tuatara. In *Temperature-dependent sex determination*. N. Valenzuela and V. Lance, eds. Smithsonian, Washington, pp 53-58. ISBN 58834-203-4.

- Allen, R., Cree, A., Darby, J., Davis, L., Patrick, B. and Spencer, H. Forests and shrublands. 2003. In *The natural history of southern New Zealand*. J. Darby, R.E. Fordyce, A. Mark, K. Probert, and C. Townsend eds. University of Otago Press, Dunedin, pp 153-190. ISBN 877133 51 5.
- Mark, A., Lee, W., Patrick, B., Cree, A., Darby, J. and Spencer, H. 2003. Tussock grasslands and associated mountain lands. In *The natural history of southern New Zealand*. J. Darby, R.E. Fordyce, A. Mark, K. Probert, and C. Townsend eds. University of Otago Press, Dunedin, pp 191-235. ISBN 877133 51 5.
- Cree, A. Tuatara. 2002. In *The New Encyclopedia of Reptiles and Amphibians*. T. Halliday and K. Adler eds. Oxford University Press, Oxford, pp 210-211. ISBN 0 19 852507 9.
- Guillette, L. J. Jr, Cree, A. and Rooney, A. A. 1995. Biology of stress: interactions with reproduction, immunology and intermediary metabolism. In *Health and Welfare of Captive Reptiles*. C. Warwick, F.L. Frye and J.B. Murphy eds. Chapman and Hall, London, pp 32-81. ISBN 0 412 55080 6.
- Cree, A., Daugherty, C. H., Towns, D. R. and Blanchard, B. 1994. The contribution of captive management to the conservation of tuatara (*Sphenodon*) in New Zealand. In *Captive Management and Conservation of Amphibians and Reptiles*. J.B. Murphy, K. Adler and J.T. Collins eds. Society for the Study of Amphibians and Reptiles, Contributions to Herpetology Vol. 11, Ithaca, New York, pp 377-385. ISBN 0 916984 33 8.
- Daugherty, C. H., Towns, D. R., Cree, A. and Hay, J. M. 1992. The roles of legal protection versus intervention in conserving the New Zealand tuatara, *Sphenodon*. In *Science and Management of Protected Areas*. J.H.M. Willison, S. Bondrup-Nielsen, C. Drysdale, T.B. Herman, N.W.P. Munro and T.L. Pollock eds. Elsevier, Amsterdam, pp 247-259. ISBN 0 444891 66 3.
- Cree, A. 1985. Water balance of New Zealand's native frogs (Anura, Leiopelmatidae). In *Biology of Australasian Frogs and Reptiles*. G. Grigg, R. Shine and H. Ehmann eds. Surrey Beatty, Chipping Norton, New South Wales, pp 361-371. ISBN 0 949324 03 5.

Refereed journal articles

- Bertoia A, Monks J, Knox C, Cree A. 2021. A nocturnally foraging gecko of the high-latitude alpine zone: extreme tolerance of cold nights, with cryptic basking by day. *Journal of Thermal Biology* 99: 102957
- Jarvie S, Worthy TH, Saltré F, Scofield RP, Seddon PJ, Cree A. 2021. Using Holocene fossils to model the future: distribution of climate suitability for tuatara, the last rhynchocephalian. *Journal of Biogeography* doi: 10.1111/jbi.14092

- Chukwuka CO, Mello RSR, Cree A, Monks JM. 2021. Thermal heterogeneity of selected retreats in cool-temperate viviparous lizards suggests a potential benefit of future climate warming. *Journal of Thermal Biology* 97: doi.org/10.1016/j.jtherbio.2021.102869
- Elangovan V, Bovill L, Cree A, Monks JM, Godfrey SS. 2021. Social networks and social stability in a translocated population of Otago skinks (*Oligosoma ottagense*) *New Zealand Journal of Ecology* 45: <https://dx.doi.org/3410.20417/nzjecol.20445.20419>.
- Moore G, Penniket S, Cree A. 2020. Greater basking opportunity and warmer nights during late pregnancy advance modal birth season in a live-bearing gecko, lowering the risk of reduced embryonic condition. *Biological Journal of the Linnean Society* **130**: 128-141
- Elangovan V, Cree A, Monks J, Godfrey S. 2020. *Oligosoma ottagense* (Otago skink). Aggression and cannibalism. *Herpetological Review* **51**: 129
- Chukwuka CO, Monks JM, Cree A. 2020. Heat and water loss versus shelter: a dilemma in thermoregulatory decision making for a retreat-dwelling nocturnal gecko. *Journal of Experimental Biology* 223: doi:10.1242/jeb.231241
- Virens J, Cree A. 2019. Pregnancy reduces critical thermal maximum, but not voluntary thermal maximum, in a viviparous skink *Journal of Comparative Physiology B* doi 10.1007/s00360-019-01230-y
- Chukwuka CO, Virens J, Cree A. 2019. Accuracy of an inexpensive, compact infrared thermometer for measuring skin surface temperature of small lizards. *Journal of Thermal Biology* 84: 285-291
- Mello R de SR, Jarvie S, Hazley L, Cree A. 2019. Comparison among three body parts and three software packages to optimise photographic identification of a reptile (tuatara, *Sphenodon punctatus*). *Amphibia-Reptilia* 40: 233-244
- Woodhead N, Hare KM, Cree A. 2018. Sexual dimorphism of digit-length ratio in a viviparous lizard: influence of age, but not preservation state or sex of interuterine twin. *The Anatomical Record* doi: 10.1002/ar.23803
- Virens J, Cree A. 2018. Further miniaturisation of the ThermoChron iButton to create a thermal bio-logger weighing 0.3 g. *Journal of Experimental Biology* 221: doi 10.1242/jeb.176354
- Jarvie S, Jowett T, Thompson MB, Seddon PJ, Cree A. 2018. Effects of warm temperatures on metabolic rate and evaporative water loss in tuatara, a cool-climate rhynchocephalian survivor. *Physiological and Biochemical Zoology* 91: 950-966
- Caldwell AJ, Cree A, Hare KM. 2018. Parturient behaviour of a viviparous skink: evidence for maternal cannibalism when basking opportunity is low *New Zealand Journal of Zoology* doi: 10.1080/03014223.2018.1453845

- Anderson, L., Nelson, N. and Cree, A. 2017. Glucocorticoids in tuatara (*Sphenodon punctatus*): some influential factors, and applications in conservation management. *General and Comparative Endocrinology* 244: 54-59
- Jarvie S, Mello RSR, Keall S, Cree A. 2017. *Sphenodon punctatus* (Tuatara). PIT-tag loss. *Herpetological Review* 48: 840-841
- Kitchin, J., Barratt, B.I.P., Jarvie, S., Adolph, S.C. and Cree, A. 2017. Diet of tuatara (*Sphenodon punctatus*) translocated to Ōrokonui Ecosanctuary in southern New Zealand. *New Zealand Journal of Zoology* 44:256-265
- Bogisch, M., Cree, A. and Monks, J. M. 2016. Short-term success of a translocation of Otago skinks (*Oligosoma ottagense*) to Orokonui Ecosanctuary. *New Zealand Journal of Zoology* 43:211-220
- Cree, A. and Hare, K.M. 2016. Maternal basking regime has complex implications for birthdate and offspring phenotype in a nocturnally foraging, viviparous gecko. *Journal of Experimental Biology* 219: 2934-2943
- Jarvie, S., Recio, M. R., Adolph, S. C., Seddon, P. J. and Cree, A. 2016. Resource selection by tuatara following translocation: a comparison of wild-caught and captive-reared juveniles. *New Zealand Journal of Ecology* 40 40:334-341
- Buxton, R., Taylor, G., Jones, C., Lyver, P. O'B., Moller, H., Cree, A. and Towns, D. 2016. Spatio-temporal changes in density and distribution of burrow-nesting seabird colonies after rat eradication. *New Zealand Journal of Ecology* 40: 88-99
- Jarvie, S., Senior, A. M., Adolph, S. C., Seddon, P. J. and Cree, A. 2015. Captive rearing affects growth but not survival in translocated juvenile tuatara. *Journal of Zoology* 297: 184-193.
- Anderson, L., Cree, A., Towns, D. R. and Nelson, N. J. 2015. Moving house: long-term dynamics of corticosterone secretion are unaltered in translocated populations of a rare reptile (the tuatara, *Sphenodon punctatus*). *Conservation Physiology* 3: doi:10.1093/conphys/cov014
- Gibson, S., Penniket, S. and Cree, A. 2015. Are viviparous lizards from cool climates ever exclusively nocturnal? Evidence for extensive basking in a New Zealand gecko. *Biological Journal of the Linnean Society* 115: 882-895
- Penniket, S. and Cree, A. 2015. Adherence to Bergmann's rule by lizards may depend on thermoregulatory mode: support from a nocturnal gecko. *Oecologia* 178: 427-440
- Anderson, L., Cree, A., Towns, D. and Nelson, N. 2014. Modulation of corticosterone secretion in tuatara (*Sphenodon punctatus*): evidence of a dampened stress response in gravid females. *General and Comparative Endocrinology* 201: 45-52
- Jarvie, S., Ramirez, E. A., Dolia, J., Adolph, S. C., Seddon, P. and Cree, A. 2014. Attaching radio transmitters does not affect mass, growth, or dispersal of translocated juvenile tuatara (*Sphenodon punctatus*). *Herpetological Review* 45: 417-421

- Jarvie, S., Besson, A. A., Seddon, P. J. and Cree, A. 2014. Assessing the thermal suitability of translocation release sites for egg-laying reptiles with temperature dependent sex-determination: a case study with tuatara (*Sphenodon punctatus*). *Animal Conservation*: 17 (Suppl. 1): 48-55
- Mello, R. S. R., Besson, A. A., Hare, K. M., Fay, V., Smith, E. and Cree, A. 2013. Adjustment of juvenile tuatara to a cooler, southern climate: operative temperatures, emergence behaviour and growth rate. *New Zealand Journal of Zoology* 40: 290-303
- Rheubert, J. L., Cree, A., Downes, M. and Sever, D. M. 2013. Reproductive morphology of the male tuatara, *Sphenodon punctatus*. *Acta Zoologica (Stockholm)* 94: 454-461
- Besson, A. A., Nelson, N. J., Nottingham, C. M. and Cree, A. 2012. Is cool egg incubation temperature a limiting factor for the translocation of tuatara to southern New Zealand? *New Zealand Journal of Ecology* 36: 90-99.
- Germano, J. M., Molinia, F. C., Bishop, P. J., Bell, B. D. and Cree, A. 2012. Urinary hormone metabolites identify sex and imply unexpected winter breeding in an endangered, subterranean-nesting frog. *General and Comparative Endocrinology* 175: 464-472
- Hare, K. M., Caldwell, A. J. and Cree, A. 2012. Effects of early postnatal environment on phenotype and survival of a lizard. *Oecologia* 168: 639-649
- Hare, K. M., Norbury, G., Judd, L. M. and Cree, A. 2012. Survival of captive-bred skinks following reintroduction to the wild is not explained by variation in speed or body condition index. *New Zealand Journal of Zoology* 39: 319-328
- Knox, C. D., Cree, A. and Seddon, P. J. 2012. Direct and indirect effects of grazing by introduced mammals on a native, arboreal gecko (*Naultinus gemmeus*). *Journal of Herpetology* 46: 145-152
- Knox, C. D., Cree, A. and Seddon, P. J. 2012. Accurate identification of individual geckos (*Naultinus gemmeus*) through dorsal pattern differentiation. *New Zealand Journal of Ecology* 37: 60-66
- Miller, K. A., Miller, H. C., Moore, J. A., Mitchell, N. J., Cree, A., Allendorf, F. W., Sarre, S. D., Keall, S. N. and Nelson, N. J. 2012. Securing the demographic and genetic future of tuatara through assisted colonization. *Conservation Biology* 26: 790-798
- Besson, A. A. and Cree, A. 2011. Integrating physiology into conservation: an approach to help guide translocations of a rare reptile in a warming environment. *Animal Conservation* 14: 28-37
- Gaby, M. J., Besson, A. A., Bezzina, C. N., Caldwell, A. J., Cosgrove, S., Cree, A., Haresnape, S. and Hare, K. M. 2011. Thermal dependence of locomotor performance in two cool-temperate lizards. *Journal of Comparative Physiology A* 197: 869-875
- Germano, J. M., Cree, A. and Bishop, P.J. 2011. Ruling out the boys from the girls: can subtle morphological differences identify sex of the apparently monomorphic frog, *Leiopelma pakeka*? *New Zealand Journal of Zoology* 38: 161-171

- Hare, K. M. and Cree, A. 2011. Maternal and environmental influences on reproductive success of a viviparous grassland lizard. *New Zealand Journal of Ecology* 35: 254-260
- Hare, K. M., Yeong, C. and Cree, A. 2011. Does gestational temperature or prenatal sex ratio influence development of sexual dimorphism in a viviparous skink? *Journal of Experimental Zoology* 313A: 215-221
- Besson, A. A. and Cree, A. 2010. A cold-adapted reptile becomes a more effective thermoregulator in a thermally challenging environment. *Oecologia* 163: 571-581
- Cree, A. and Hare, K. M. 2010. Equal thermal opportunity does not result in equal gestation length in a cool-climate skink and gecko. *Herpetological Conservation and Biology* 5: 271-282.
- Hare, K.M. and Cree, A. 2010. Exploring the consequences of climate-induced changes in cloud cover on offspring of a cool-temperate viviparous lizard. *Biological Journal of the Linnean Society* 101: 844-851.
- Hare, K. M. and Cree, A. 2010. Incidence, causes and consequences of pregnancy failure in viviparous lizards: implications for research and conservation settings. *Reproduction, Fertility and Development* 22: 761-770.
- Hare, K. M., Hare, J. R. and Cree, A. 2010. Parasites, but not palpation, are associated with pregnancy failure in a captive viviparous lizard. *Herpetological Conservation and Biology* 5: 563-570.
- Lettink, M., G. Norbury, A. Cree, P. J. Seddon, R. P. Duncan, and C. J. Schwarz. 2010. Removal of predators, but not artificial refuge supplementation, increases skink survival in coastal duneland. *Biological Conservation* 143: 72-77.
- Molinia, F. C., Bell, T., Norbury, G., Cree, A. and Gleeson, D. M. 2010. Assisted breeding of skinks or how to teach a lizard old tricks! *Herpetological Conservation and Biology* 5: 311-319.
- Germano, J. M., Molinia, F. C., Bishop, P. J. and Cree, A. 2009. Urinary hormone analysis assists reproductive monitoring and sex identification of bell frogs (*Litoria raniformis*). *Theriogenology* 72: 663-671.
- Thierry, A., Lettink, M., Besson, A. A. and Cree, A. 2009. Thermal properties of artificial refuges and their implications for retreat-site selection in lizards. *Applied Herpetology* 6: 307-326.
- Besson, A. A., Thierry, A., Boros, E., Allen, K., Bradley, S., Norrie, C. and Cree, A. 2009. Evidence of food chemical discrimination in tuatara (*O. Rhynchocephalia*): comparison with a gekkotan lizard (*O. Squamata*). *Journal of Herpetology* 43: 124-131.
- Hare, J.R., Holmes, K.M., Wilson, J.L. and Cree, A. 2009. Modelling exposure to selected temperature during pregnancy: the limitations of squamate viviparity in a cool-climate environment. *Biological Journal of the Linnean Society* 96: 541-552.

- Preest, M. R. and Cree, A. 2008. Corticosterone treatment has subtle effects on thermoregulatory behavior and raises metabolic rate in the New Zealand common gecko, *Hoplodactylus maculatus*. *Physiological and Biochemical Zoology* 81: 641-650.
- Connolly, J. D. and Cree, A. 2008. Risks of a late start to captive management for conservation: phenotypic differences between wild and captive individuals of a viviparous endangered skink (*Oligosoma ottagense*). *Biological Conservation* 141: 1283-1292.
- Rock, J., and A. Cree. 2008. Extreme variation in body temperature in a nocturnal thigmothermic lizard. *Herpetological Journal* 18: 69-76 [& cover photo].
- Ellenberg, U., Setiawan, A. N., Cree, A., Houston, D. M., Seddon, P. J. 2007. Elevated hormonal stress response and reduced reproductive output in yellow-eyed penguins exposed to unregulated tourism. *General and Comparative Endocrinology* 152: 54-63.
- Hare, J.R., Whitworth, E. and Cree, A. 2007. Correct orientation of a hand-held infrared thermometer is important for accurate measurement of body temperatures in small lizards and tuatara. *Herpetological Review* 38: 311-315.
- Lettink, M. and Cree, A. 2007. Relative use of three types of artificial retreats by terrestrial lizards in grazed coastal shrubland, New Zealand. *Applied Herpetology* 4: 227-243.
- Towns, D. R., Parrish, G. R., Tyrrell, C. L., Ussher, G. T., Cree, A., Newman, D. G., Whitaker, A. H. and Westbrooke, I. 2007. Responses of tuatara (*Sphenodon punctatus*) to removal of introduced Pacific rats from islands. *Conservation Biology* 21: 1021-1031.
- Holmes, K. M. and Cree, A. 2006. Annual reproduction in females of a viviparous skink (*Oligosoma maccanni*) in a subalpine environment. *Journal of Herpetology* 40: 141-151
- Lettink, M. and Cree, A. 2006. Predation, by the feral house mouse (*Mus musculus*), of McCann's skinks (*Oligosoma maccanni*) constrained in pitfall traps. *Herpetofauna* 36: 61-62.
- Mitchell, N. J., Nelson, N. J., Cree, A., Pledger, S., Keall, S. N. and Daugherty, C. H. 2006. Support for a rare pattern of temperature-dependent sex determination in archaic reptiles: evidence from two species of tuatara (*Sphenodon*). *Frontiers in Zoology* 3: 9 (doi: 10.1186/1742-9994-3-9).
- Hare, K. M., Cree, A. 2005. Natural history of *Hoplodactylus stephensi* (Reptilia: Gekkonidae) on Stephens Island, Cook Strait, New Zealand. *New Zealand Journal of Ecology* 29: 137-142.
- Preest, M. R., Cree, A. and Tyrrell, C. L. 2005. ACTH-induced stress response during pregnancy in a viviparous gecko: no observed effect on offspring quality. *Journal of Experimental Zoology* 303A: 823-835.
- Cree, A., Tyrrell, C. L., Preest, M. R., Thorburn, D. and Guillet, L. J. Jr. 2003. Protecting embryos from stress: corticosterone effects and the corticosterone response to capture and confinement during pregnancy in a live-bearing lizard (*Hoplodactylus maculatus*). *General and Comparative Endocrinology* 134: 316-329.

- Hay, J. M., Daugherty, C. H., Cree, A. and Maxson, L. R. 2003. Low genetic divergence obscures phylogeny among populations of *Sphenodon*, remnant of an ancient reptile lineage. *Molecular Phylogenetics and Evolution*: 29: 1-19.
- Rock, J. and Cree, A. 2003. Intraspecific variation in the effect of temperature on pregnancy in the viviparous gecko *Hoplodactylus maculatus*. *Herpetologica* 59: 8-22.
- Wilson, J. L. and Cree, A. 2003. Extended gestation with late-autumn births in a cool-climate, viviparous gecko from southern New Zealand (Reptilia: *Naultinus gemmeus*). *Austral Ecology* 28: 339-348.
- Hare, K. M., Daugherty, C. H. and Cree, A. 2002. Incubation regime affects juvenile morphology and hatching success, but not sex, of the oviparous lizard *Oligosoma suteri* (Lacertilia: Scincidae). *New Zealand Journal of Zoology* 29: 221-229.
- Rock, J., Cree, A., and Andrews, R. M. 2002. The effect of reproductive condition on thermoregulation in a viviparous gecko from a cool climate. *Journal of Thermal Biology* 27: 17-27.
- Eason, D., Millar, C. D., Cree, A., Halverson, J. and Lambert, D. M. 2001. A comparison of five methods for assignment of sex in the takahe (Aves: *Porphyrio mantelli*). *Journal of Zoology, London* 253: 281-292.
- Towns, D. R., Daugherty, C. H. and Cree, A. 2001. Raising the prospects for a forgotten fauna: a review of ten years of conservation effort for New Zealand reptiles. *Biological Conservation* 99: 3-16.
- Girling, J. E., Guillette, L. J. Jr and Cree, A. 2000. Ultrastructure of the uterus in an ovariectomised gecko (*Hemidactylus turcicus*) after administration of exogenous estradiol. *Journal of Experimental Zoology* 286: 76-89.
- Blair, T. A., Cree, A., Skeaff, C.M. and Grimmond, N. M. 2000. Physiological effects of a fish oil supplement on captive juvenile tuatara (*Sphenodon punctatus*). *Physiological and Biochemical Zoology* 73: 177-191.
- Blair, T. A., Cree, A. and Skeaff, C. M. 2000. Plasma fatty acids, triacylglycerol and cholesterol of the tuatara (*Sphenodon punctatus punctatus*) from islands differing in the presence of rats and the abundance of seabirds. *Journal of Zoology, London* 252: 463-472.
- Cree, A., Amey, A. P. and Whittier, J. M. 2000. Lack of consistent hormonal responses to capture during the breeding season of the bearded dragon, *Pogona barbata*. *Comparative Biochemistry and Physiology A* 126: 275-285.
- Rock, J., Andrews, R. M. and Cree, A. 2000. Effects of reproductive condition, season and site on selected temperatures of a viviparous gecko. *Physiological and Biochemical Zoology* 73: 344-355.

- Cree, A., Lyon, G. L., Cartland-Shaw, L. and Tyrrell, C. 1999. Stable carbon isotope ratios as indicators of marine versus terrestrial inputs to the diets of wild and captive tuatara (*Sphenodon punctatus*). *New Zealand Journal of Zoology* 26: 243-253.
- Cartland-Shaw, L. K., Cree, A., Skeaff, C. M. and Grimmond, N. M. 1998. Differences in dietary and plasma fatty acids between wild and captive populations of a rare reptile, the tuatara (*Sphenodon punctatus*). *Journal of Comparative Physiology B* 168: 569-580.
- Girling, J. E., Cree, A. and Guillette, L.J. Jr. 1998. Oviducal structure in four species of gekkonid lizard differing in parity mode and eggshell structure. *Reproduction, Fertility and Development* 10: 139-154.
- Tyrrell, C. L. and Cree, A. 1998. Relationships between corticosterone concentration and season, time of day and confinement in a wild reptile (tuatara, *Sphenodon punctatus*). *General and Comparative Endocrinology* 110: 97-108.
- Coddington, E. J. and Cree, A. 1997. Population numbers, response to weather, movements and management of the threatened New Zealand skinks *Oligosoma grande* and *O. otagense* in tussock grassland. *Pacific Conservation Biology* 3: 379-391.
- Girling, J. E., Cree, A. and Guillette, L. J. Jr. 1997. Oviductal structure in a viviparous New Zealand gecko, *Hoplodactylus maculatus*. *Journal of Morphology* 234: 51-68.
- Guillette, L. J. Jr and Cree, A. 1997. Morphological changes in the corpus luteum of tuatara (*Sphenodon punctatus*) during gravidity. *Journal of Morphology* 232: 79-91.
- Cree, A., Guillette, L. J. Jr and Reader, K. 1996. Eggshell formation during prolonged gravidity of the tuatara *Sphenodon punctatus*. *Journal of Morphology* 230: 129-144.
- Coddington, E. J. and Cree, A. 1995. Effect of acute captivity stress on plasma concentrations of corticosterone and sex steroids in female whistling frogs, *Litoria ewingi*. *General and Comparative Endocrinology* 100: 33-38.
- Cree, A. and Guillette, L. J. Jr. 1995. Biennial reproduction with a fourteen-month pregnancy in the gecko *Hoplodactylus maculatus* from southern New Zealand. *Journal of Herpetology* 29: 163-173.
- Cree, A., Daugherty, C. H. and Hay, J. M. 1995. Reproduction of a rare New Zealand reptile, the tuatara *Sphenodon punctatus*, on rat-free and rat-inhabited islands. *Conservation Biology* 9: 373-383.
- Cree, A., Thompson, M. B. and Daugherty, C. H. 1995. Tuatara sex determination. *Nature* 375: 543.
- Girling, J. E. and Cree, A. 1995. Plasma corticosterone levels are not significantly related to reproductive stage in female common geckos (*Hoplodactylus maculatus*). *General and Comparative Endocrinology* 100: 273-281.
- Brown, M. A., Cree, A., Daugherty, C. H., Dawkins, B. P. and Chambers, G. K. 1994. Plasma concentrations of vitellogenin and sex steroids in female tuatara (*Sphenodon punctatus*

- punctatus*) from northern New Zealand. *General and Comparative Endocrinology* 95: 201-212.
- Cartland, L. K., Cree, A., Sutherland, W. H. F., Grimmond, N. M. and Skeaff, C. M. 1994. Plasma concentrations of total cholesterol and triacylglycerol in wild and captive juvenile tuatara (*Sphenodon punctatus*). *New Zealand Journal of Zoology* 21: 399-406.
- Cree, A. 1994. Low annual reproductive output in female reptiles from New Zealand. *New Zealand Journal of Zoology* 21: 351-372.
- Tyrrell, C. and Cree, A. 1994. Plasma corticosterone concentrations in wild and captive juvenile tuatara (*Sphenodon punctatus*). *New Zealand Journal of Zoology* 21: 407-416.
- Cree, A., Cockrem, J. F. and Guillette, L. J. Jr. 1992. Reproductive cycles of male and female tuatara (*Sphenodon punctatus*) on Stephens Island, New Zealand. *Journal of Zoology, London* 226: 199-217.
- Thompson, M. B., Daugherty, C. H., Cree, A., French, D. C., Gillingham, J. C. and Barwick, R. E. 1992. Status and longevity of the tuatara, *Sphenodon guntheri*, and Duvaucel's gecko, *Hoplodactylus duvaucelii*, on North Brother Island, New Zealand. *Journal of the Royal Society of New Zealand* 22: 123-130.
- Brown, M. A., Cree, A., Chambers, G. K., Newton, J. D. and Cockrem, J. F. 1991. Variation in plasma constituents during the natural vitellogenic cycle of tuatara, *Sphenodon punctatus*. *Comparative Biochemistry and Physiology* 100B:7 05-710.
- Cree, A. and Guillette, L. J. Jr. 1991. Effect of β -adrenergic stimulation on uterine contractions induced by arginine vasotocin and prostaglandin F_{2 α} in the gecko *Hoplodactylus maculatus*. *Biology of Reproduction* 44: 499-510.
- Cree, A., Cockrem, J. F., Brown, M. A., Watson, P. R., Guillette, L. J. Jr, Newman, D.G. and Chambers, G.K. 1991. Laparoscopy, radiography and blood analyses as techniques for identifying the reproductive condition of female tuatara. *Herpetologica* 47: 238-249.
- Cree, A., Daugherty, C. H., Schafer, S. F. and Brown, D. 1991. Nesting and clutch size of tuatara (*Sphenodon guntheri*) on North Brother Island, Cook Strait. *Tuatara* 31: 9-16.
- Cree, A., Guillette, L. J. Jr and Cockrem, J. F. 1991. Identification of female tuatara in ovulatory condition using plasma sex steroid concentrations. *New Zealand Journal of Zoology* 18: 421-426.
- Cree, A., Guillette, L. J. Jr, Brown, M. A., Chambers, G. K., Cockrem, J. F. and Newton, J. D. 1991. Slow estradiol-induced vitellogenesis in the tuatara, *Sphenodon punctatus*. *Physiological Zoology* 64: 1234-1251.
- Guillette, L. J. Jr, Dubois, D. H. and Cree, A. 1991. Prostaglandins, oviducal function and parturient behavior in nonmammalian vertebrates. *American Journal of Physiology* 260: R854-R861.

- Guillette, L. J. Jr, Propper, C. R., Cree, A. and Dores, R. M. 1991. Endocrinology of oviposition in the tuatara (*Sphenodon punctatus*): II. Plasma AVT concentrations during natural nesting. *Comparative Biochemistry and Physiology* 100A: 819-822.
- Cree, A., Guillette, L. J. Jr, Cockrem, J. F. and Joss, J. M. P. 1990. Effects of capture and temperature stresses on plasma steroid concentrations in male tuatara (*Sphenodon punctatus*). *Journal of Experimental Zoology* 253: 38-46.
- Cree, A., Guillette, L. J. Jr, Cockrem, J. F., Brown, M. A. and Chambers, G. K. 1990. Absence of circadian cycles in plasma concentrations of sex steroids in male and female tuatara (*Sphenodon punctatus*), and the effects of acute capture stress on females. *General and Comparative Endocrinology* 79: 103-113.
- Daugherty, C. H., Cree, A., Hay, J. M. and Thompson, M. B. 1990. Neglected taxonomy and continuing extinctions of tuatara (*Sphenodon*). *Nature* 347: 177-179.
- Guillette, L. J. Jr, Cree, A. and Gross, T. S. 1990. Endocrinology of oviposition in the tuatara (*Sphenodon punctatus*): I. Plasma steroids and prostaglandins during natural nesting. *Biology of Reproduction* 43: 285-289.
- Brown, M. A., Cree, A., Chambers, G. K. and Newton, J. D. 1989. Techniques for detecting vitellogenesis in the tuatara *Sphenodon punctatus*. *New Zealand Journal of Zoology* 16: 25-35.
- Cree, A. 1989. Relationship between environmental conditions and nocturnal activity of the terrestrial frog *Leiopelma archeyi*. *Journal of Herpetology* 23: 61-68.
- Cree, A. 1988. Effects of arginine vasotocin on water balance of three leiopelmatid frogs. *General and Comparative Endocrinology* 72: 340-350.
- Cree, A. 1988. Water balance responses of the hylid frog *Litoria aurea*. *Journal of Experimental Zoology* 247: 119-125.
- Cree, A. 1985. Water balance and nitrogen excretion of two introduced frogs (*Litoria raniformis* and *L. ewingi*). *New Zealand Journal of Zoology* 12: 341-348.
- Cree, A. 1984. Breeding biology, respiration, and larval development of two introduced frogs (*Litoria raniformis* and *L. ewingi*). *New Zealand Journal of Zoology* 11: 179-188.

Reports

- Lettink, M., Cree, A., Norbury, G. and Seddon, P. J. 2008. Monitoring and restoration options for lizards on Kaitorete Spit, Canterbury. *Department of Conservation Research and Development Series* No. 301. 44 p. ISSN 1176-8886. ISBN 978-0-478-14499-4
- Tyrrell, C. L., Cree, A. and Towns, D. R. 2000. Variation in reproduction and condition of northern tuatara (*Sphenodon punctatus punctatus*) in the presence and absence of kiore. *Science for Conservation* 153. 42 p.

Christmas, E., Coddington, E. and Cree, A. 1996. A database for toe-clipped tuatara (*Sphenodon punctatus*) on Stephens Island (Takapourewa). *University of Otago Wildlife Management Report No. 77*. 126 p.

Cree, A. and Butler, D. 1993. Tuatara Recovery Plan (*Sphenodon* spp.). *Threatened Species Recovery Plan Series No. 9*, Wellington, NZ Department of Conservation. 71 p.

Popular or semi-popular articles and natural-history notes

Chukwuka CO, Virens J, Cree A. 2021. Polydactyly in a lizard: a fitness advantage or a flaw? [EcoPic]. *Frontiers in Ecology and the Environment* 19: doi:10.1002/fee.2316.

Cree, A. 2015. The tenacious tuatara: the modern representative of a venerable lineage continues to evolve. *Natural History* 123: 22-27.

Jones, M. E. H. and Cree, A. 2012. Tuatara. *Current Biology* 22: R986-987.

Cree, A. 1992. Reproducing in the cold. *Australian Natural History* 23 (Autumn): 932.

Cree, A. 1992. The Stephens Island gecko: elusive but not extinct. *Forest and Bird* No. 263: 40-43.

Daugherty, C. H. and Cree, A. (text) and Schneider, M. (photos). 1990. Tuatara - a survivor from the dinosaur age. *New Zealand Geographic* No. 6 (April-June): 66-86.

Enting, B. (photos) and Cree, A. (text). 1990. A winter's tale. *Forest and Bird* 21 (4) (November): 31-35.

Cree, A. and Daugherty, C. H. 1990. Tuatara sheds its fossil image. *New Scientist* No. 1739 (20 October): 22-26.

Cree, A. and Thompson, M. B. 1988. Unravelling the mysteries of tuatara reproduction. *Forest and Bird* No. 250: 14-16.

Book review

Cree A. 2020. Book review. Reptiles and amphibians of New Zealand: a field guide, by Dylan van Winkel, Marleen Baling and Rod Hitchmough. *The Herpetological Bulletin* 151: 46-47.