**Select Ratite Bibliography**

*Note: there are many references for ostrich and rhea and emu (especially those related to farming) that are not cited here. Because of the extensive bibliography on these species and all ratites in general, only articles of general interest to the zoo community are listed in this bibliography.*

**Ostrich**

Aarons J. Ostrich pediatrics. 1994. Canadian Ostrich 3(8): 22-23,26-27,52-53.

Aarons J. Ostrich pediatrics. 1995. Canadian Ostrich 4(1): 22-26.

Adamson G. Observations on the ostrich (*Struthio camelus massaicus Neumann*). 1964. East African Wildlife Journal 2: 164.

Almeida, M., Duarte, L., Rocha, J., Silva, M., Guimaraes, J. and Ayres, M. 2008. Occurrence of ectoparasites in ostriches (Struthio camelus) reared in semi-arid region of Bahia. Revista Brasileira de Parasitologia Veterinaria. 17(3):155-157.

Almeida Paz, I., Mendes, A., Balog, A., Martins, M., Almeida, I., Fernandes, B., Milbradt, E., Vulcano, L., Komiyama, C. and Cardoso, K. 2010. Calcium Levels and Evaluation of Bone and Egg in Breeding Ostriches. Archivos de Zootecnia. 59(227):459-462.

Allwright D and Wessels J. 1993. Cryptosporidium species in ostriches. Veterinary Record 133(1): 24.

Allwright D; Burger W, Gayer, A. and Terblanche, A. 1993. Isolation of an influenza A virus from ostriches. Avian Pathology 22: 59-65.

Allwright D; Burger W; Geyer A; and Wessels J. 1994. Avian Pox in Ostriches. Journal of the South African Veterinary Association 65(1): 23-25.

Allwright D; Wilson M; and Vanrensburg W. 1994. Botulism in Ostriches (*Struthio-Camelus*). Avian Pathology 23(1): 183-186.

Amado, M., Xavier, D., Boere, V., Torres-Pereira, C., McManus, C., Moreno. , B. and Francisco, E. 2011. Behaviour of captive Ostrich chicks from 10 days to 5 months of age. Biological Abstracts Revista Brasileira de Zootecnia. 40(7): 1613-1618.

Angel, R. 1993. Research update: Age changes in digestibility of nutrients in ostriches and nutrient profiles of status of the hen and chick. Proceedings Association of Avian Veterinarians;: 275-281.

Angel, R. 1992. Selected problems in ostriches and how they are affected by nutrition. Proceedings Ostrich Med Conf. American Ostrich Assoc., Las Vegas.

Angel, R. 1993. Age changes in digestibility of nutrients in ostriches and nutrient profles of ostrich and emu eggs as indicators of nutritional status of the hen and chick. Proceedings Association of Avian Veterinarians: 275-281.

Angel, R. 1994. Diet effect on egg nutrients in a high producing ostrich. Proceedings Association of Avian Veterinarians: 121-126.

Anon. 1995. Winter management of ostriches - A guide for cold weather ostrich producers. Canadian Ostrich 4(11): 18-20, 46.

Bennett, D., Kaneko, A. and Karasawa, 2012. Maintenance nitrogen requirements of adult female ostriches (Struthio camelus). Journal of Animal Physiology & Animal Nutrition 96(4):600-609.

Bertram, B. 1979. Ostriches recognize their own eggs and discard others. Nature 279: 233-234.

Bertram, B. 1980. Vigilance and group size in ostriches. Animal Behaviour 28: 278-286.

Bertram B and Burger A. 1981. Are ostrich *Struthio camelus* eggs the wrong colour? Ibis 123(2): 207-210.

Bertram, B. and Burger, A. 1981. Aspects of incubation in ostriches. Ostrich 52: 36-43.

Bertram, B. 1992. The ostrich communal nesting system. Princeton University Press, Princeton.

Bertram, B**. 1984. Breeding ostriches.** Proceedings of Symposium of the Association of British Wild Animal Keepers 9. Bristol, U.K. the Association, p.28-32

Bishop, K., Black, P., Fleischer, R., Hallager, S., Houston, B., Mace, M., Monfort, S., Newby, J. and Tidmus, S. 2008. Saving the World’s Largest Bird. The Ostrich Recovery Project in Niger. Sept 2008 AZA Connect.

Blackshaw G and Wakeman B. 1971. Immobilization of an adult ostrich for surgery. Journal of Zoo Animal Medicine 2(2): 11-12.

Blue-McLendon, A. 1993. Pediatric disorders of ostriches. 1993 Proceedings of Association of Avian Veterinarians: 269-271.

Blue-McLendon, A and Bailey, CA. 1994. Research on the growth rates of ostrich chicks.

Bolwig, N. 1973. Agnostic and sexual behavior of the African ostrich. Condor 75: 100-105.

Bonato, M., Evans, M. and Cherry, M. 2009. Investment in eggs is influenced by male coloration in the ostrich, Struthio camelus. Animal Behaviour. 77(5): 1027-1032.

Brand, Z., Cloete, S., Malecki, I. and Brown, C. 2012.   
Heritability of embryonic mortalities in ostrich eggs and factors affecting hatching failure of fertile eggs during artificial incubation. Animal Production Science. 52(9):806-812.

Brand, Z., Cloete, S., Malecki, I. and Brown, C. 2011. Influence of incubation management on pipping position, hatching ability and survival of ostrich chicks South African Journal of Animal Science. 41(3). 2011. 265-274.

Brand, Z., Cloete, S., Malecki, I. and Brown, C. 2012. Genetic parameters for eggshell traits in ostriches. British Poultry Science. 53(3):316-324.

Brand, Z., Cloete, S., Brown, C. R. and Malecki, I. 2007.   Factors related to shell deaths during artificial incubation of ostrich eggs.   Journal of the South African Veterinary Association. 78(4):195-200.

Brand, Z. Cloete, S., Brown, C and Malecki, I. 2008. Systematic factors that affect ostrich egg incubation traits.  South African Journal of Animal Science. 38(4):315-325.

Brand, Z., Cloete, S., Malecki, I. and Brown, C. 2008. Genetic relationships between water loss and shell deaths in ostrich eggs, assessed as traits of the female.   Australian Journal of Experimental Agriculture. 48(10):1326-1331.

Brom T and Dekker R. 1990. Molt of wing and tail-feathers in the ostrich, *Struthio camelus*. Beaufortia 40(6): 103-109.

Brown, C., Peinke, D. and Loveridge, A. 1996**. Mortality in near-term ostrich embryos during artificial incubation.** British Poultry Science *3*7(1):73-85.

Brown, T., Roberts, W. and Page, R. 1993. Acute Hemorrhagic Enterocolitis in Ratites: Isolation of Eastern Equine Encephalomyelitis Virus and Reproduction of the Disease in Ostriches and Turkey Poults. Avian Diseases 37(2): 602-605

Burger W; Naude T; Vanrensburg I; Botha C; and Pienaar A. 1994. Cardiomyopathy in Ostriches (*Struthio-Camelus*) Due to Avocado (Persea-Americana Var Guatemalensis) Intoxication. Journal of the South African Veterinary Association 65(3): 113-118.

Bubier, N., Lambert, M., Deeming, C., Ayers, L. and Sibley, R. 1996. Time budget and colour preferences (with specific reference to feeding) of ostrich (Struthio camelus) chicks in captivity. British Poultry Science 37: 547-551.

Catelli, E and Piazza, V. 1995. **Diseases and pathological conditions of ostriches.** Rivista di Avicoltura 64(9):18-34.

Cilliers S; Preez Jd; Maritz J; and Hayes J. 1995. Growth curves of ostriches (*Struthio camelus*) from Oudtshoorn in South Africa. Animal Science 61(Part 1): 161-164.

Clifford B. 1996. Caring for young chicks. Canadian Ostrich 5(3): 26-29,39.

Cooper, R., Mahrose, K., Horbanczuk, J., Villegas-Vizcaino, R., Sebei, S. and Mohammed, A. . 2009. The wild ostrich (Struthio camelus): a review. Tropical Animal Health Production. 41(8): 1669-1678.

Cooper, R., Mahrosei, K. and El-Shafe, M. 2008.   Spread bow leg syndrome in ostrich (Struthio camelus) chicks aged 2 to 12 weeks.   British Poultry Science. 49(1):1-6.

Cooper J. and Gimbi A. 1994. Locomotor diseases in captive young ostriches. Veterinary Record 134(13): 336.

Cooper, R., Mahrosei, K. and El-Shafe,M. 2008. Spread bow leg syndrome in ostrich (Struthio camelus) chicks aged 2 to 12 weeks British Poultry Science. 49(1): 1-6

Cooper S. and Palmer T. 1994. Observations on the Dietary Choice of Free Ranging Juvenile Ostriches. Ostrich 65: 251-255.

Cooper, R., Naranowicz, H., Maliszewska, E., Tennett, A and Horbanczuk, J. 2008. Sex-based comparison of limb segmentation in ostriches aged 14 months with and without tibiotarsal rotation.  Journal of the South African Veterinary Association. 79(3):142-144.

Cornick J and Jensen J. 1992. Anesthetic management of ostriches. Journal of the American Veterinary Medical Association 200(11): 1661-1666.

Cornick-Seahorn J; Martin G; Tully T; and Morris J. 1995. Tourniquet-induced hypertension in an ostrich. Journal of the American Veterinary Medical Association 207(3): 344-346.

Cracraft J. 1974. Phylogeny and evolution of the ratite birds. Ibis 116(4): 494-521.

Crawford E and Schmidt-Nielsen K. 1967. Temperature regulation and evaporative cooling in the ostrich. American Journal of Physiology 212: 347-353.

Crole, M. and Soley, J. 2012. What prevents Struthio camelus and Dromaius novaehollandiae (Palaeognathae) from choking? A novel anatomical mechanism in ratites, the linguo-laryngeal apparatus. Frontiers in Zoology.

Csermely, D., Gaibani, G., and Dardani, E. 2007. Year-round behavioural sequences in captive ostrich (*Struthio camelus domesticus*) pairs. Applied Animal Behviour Science 103: 156-166.

Davis C. 1994. Vitamin A in the ostrich. Ratite Journal 2(12): 36.

Davids, A., Cloete, S., Bester-van der Merwe, A., Muchadeyi, F., Slabbert, R. and Dzama, K. 2012. Genetic variation within and among three ostrich breeds, estimated by using microsatellite markers. South African Journal of Animal Science 42(2):156-163.

Deeming, D.C. and Ayres, L. 1994. Factors affecting the rate of growth of ostrich (*Struthio camelus*) chicks in captivity. Veterinary Record 135: 617-622.

Deeming C. 1995. The effects of microbial contamination on hatchability of ostrich eggs. Canadian Ostrich 4(5): 16-18.

Deeming C. 1995. When to help ostrich chicks to hatch. Canadian Ostrich 4(7): 18-21.

Deeming D. 1995. Possible Effect of Microbial Infection on Yolk Utilization in Ostrich Chicks. Veterinary Record 136(11): 270-271

Deeming, D.C. 1995. The hatching sequence of Ostrich (*Struthio camelus*) embryos with notes on development as observed by candling. British Poultry Science 36: 67-78.

Deeming, D. and Dick, A. 1995. Ingestion of metal objects by ostriches (*Struthio camelus*). Veterinary Record 137: 99-100.

Deeming, D. 1996. Microbial spoilage of ostrich (*Strutio camelus*) eggs. British Poultry Science 36: 67-78.

Deeming, D., Sibley, R. and Magole, I. 1996. Estimation of the weight and body condition of ostriches (*Struthio camelus*) from body measurements. The Veterinary Record, August: 210-213.

Degen A; Kam M; and Rosenstrauch A. 1989. Time activity budget of ostriches (*Struthio camelus*) offered concentrate feed and maintained in outdoor pens. Applied Animal Behaviour Science 22(3-4): 347-358.

Doornenbal E. 1995. Reducing chick mortality. Canadian Ostrich 4(8): 21-24,26-27.

Du Preez, J., Jarvis, M., Capatos, D. and De Kock, J. 1992. **A note on growth curves for the ostrich (Struthio camelus).** Animal Production 54(pt.1): 150-152.

Durant, M., T. Wacher, S. Bashir, R. Woodroffe, P. De Ornellas,C. Ransom, J. Newby, T. Ab\_aigar, M. Abdelgadir, H. El Alqamy, J. Baillie, M. Beddiaf, F. Belbachir,, A. Belbachir-Bazi,

A. A. Berbash, N. E. Bemadjim, R. Beudels-Jamar, L. Boitani,C. Breitenmoser, M. Cano, P. Chardonnet, B. Collen,W. A. Cornforth, F. Cuzin, P. Gerngross, B. Haddane,M. Hadjeloum, A. Jacobson, A. Jebali, F. Lamarque, D. Mallon,K. Minkowski, S. Monfort, B. Ndoassal, B. Niagate, G. Purchase, S. Sama€ıla, A. K. Samna, C. Sillero-Zubiri, A. E. Soultan, M. R. Stanley Price and N. Pettorelli. 2014. Fiddling in biodiversity hotspots while deserts burn? Collapse of the Sahara’s

megafauna. Diversity and Distributions, (Diversity Distrib.) 20: 114–122.

Edwards W; Gregory D; and Vanhooser S. 1992. Heavy metal poisoning in ostriches from proventricular foreign bodies. Veterinary and Human Toxicology 34(3): 254-255.

[Elias, M.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Elias-MZJ+in+AU) [Aire, T. and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Aire-TA+in+AU) [Soley, J.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Soley-JT+in+AU) 2007. Macroscopic features of the arterial supply to the reproductive system of the male ostrich (*Struthio camelus*). [Anatomia Histologia Embryologia](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Anatomia-Histologia-Embryologia+in+SO)t; 36(4): 255-262.

Emerick B. 1994. Various floor surfaces used for "ratite" chicks. Canadian Ostrich 3(1): 70-73.

Fair, M., van Wyk, J. and Cloete, S. 2012. Pedigree analysis of an ostrich breeding flock. South African Journal of Animal Science. 42(2):114-122.

Foggin, CM. 1992. Veterinary problems of ostriches. Ostrich workshop for veterinarians; April 11-12, Zimbabwe. 45 p.

Foggin C and Honywill J. 1992. Observations on the artificial incubation of ostrich (*Struthio camelus var. domesticus*) eggs with special reference to water loss. Zimbabwe Veterinary Journal 23(2): 81-89.

Foroudi, F., Afsar, A. and Kolli, M. 2008. The effect of dietary probiotic supplementation on production performance of ostrich chicks. Australian Journal of Experimental Agriculture. 48(10): xii-xiii.

Franca, M., Walker, R., Kokka, R. and Shivaprasad,H. 2009. Aeromonas Species Associated with Necrotizing Enteritis and Septicemia in an Adult Male Ostrich (Struthio camelus. Avian Diseases. 53(2):310-316.

Fountain, C. 1984**. Breeding ostriches at the Cotswold Wildlife Park.** Proceedings of Symposium of the Association of British Wild Animal Keepers 9.Bristol, U.K. : the Association, 1984. p.37-43.

Fu Jing and Bai Xiu-Juan. 2010. A Molecular Method for Sex Identification in the Ostrich (Struthio camelus). Chinese Journal of Zoology. 45(2):82-87.

Gamba, J., Sabino, N., Garcia, N., Manoel, S and Wilson M. 2012. Morphologicals characteristics of the ostrich eggshell. Biological Abstracts Pesquisa Veterinaria Brasileira. 32(1):. 96-98.

Gamble, K. and Honnas, C. 1993. Surgical correction of impaction in ostriches. Compendium 15: 235-245.

Gandini G; Burroughs R; and Ebedes H. 1986. Preliminary investigation into the nutrition of ostrich chicks (*Struthio camelus*) under intensive conditions. Journal of the South African Veterinary Association 57(1): 39-42.

Gandini, G.C.M and Keffen, R.H. 1985. Sex determination of the South African ostrich (*Struthio camelus*). Journal of the South African Veterinary Association December: 985-986.

Greve, J. and Harrison, G. 1980. Conjunctivitis caused by eye flukes in captive-reared ostriches. Journal of the American Veterinary Medical Association177: 909-910.

Guimaraes, J., Mari, R., de Carvalho, H. and Watanabe, I. 2009. Fine Structure of the Dorsal Surface of Ostrich's (Struthio camelus) Tongue Source. Zoological Science (Tokyo). 26(2): 153-156.

Hancock, R. 1994. **Air transport of adult ostriches.** State Veterinary Journal (United Kingdom) 4(2):1-3.

Hassan, S., Siam, A., Mady, M. and Cartwright, A. 2005. Egg storage period and weight effects on hatchability of ostrich (Struthio camelus) eggs. Poultry Science. 84(12):1908-1912.

Hemalatha,S., Govindarajan, R., Murali Manohar,B., Vengadabady, N. and Purushothaman 2006. Omphalitis in ostrich chicks. Indian Veterinary Journal 83(4): 452-453

Hicks, K. 1993. Ostrich pediatrics. In Fudge, A. and Speer, B., eds. Seminars in avian and exotic pet medicine. Philadelphia: WB Saunders 3: 81-91.

Houde, P. 1986. Ostrich ancestors found in the northern hemisphere suggest new hypothesis of ratite origins. Nature 234: 563-565.

Huang, Y., Liu, Q., Tang, B., Lin, L., Liu, W., Zhang, L. and Li, N. 2008.   A preliminary microsatellite genetic map of the ostrich (*Struthio camelus*). Cytogenetic & Genome Research. 121(2): 130-136.

Huchzermeyer F. 1996. High mortality in ostrich eggs and hatchlings due to egg-washing. Journal of the South African Veterinary Association 67(1): 3.

Jarvis M; Jarvis C; and Keffen R. 1985. Breeding seasons and laying patterns of the southern African Ostrich *Struthio camelus*. Ibis 127(4): 442-449.

Kincaid, M. 2021.  Don’t leave them ostracized: Advanced care for atypical lameness of 0.1 ostrich.  Animal Keepers Forum 48(4): 100-103

Ladd, K. 1996. Ostrich Bibliography http://homepage.usask.ca/~kfl094/rat\_ostr.htm

Lambert, M.S., Deeming, D.C., Sibley, R.M., and Ayres, L.L. 1995. The relationship between pecking behaviour and growth rate of ostrich (*Struthio camelus*) chicks in captivity. Applied Animal Behaviour Science: 46: 93-101.

Levy, A. 1989. Haematological parameters of the ostrich (*Struthio camelus*). Avian Pathology 18: 321-327.

Kille M. 1980. Will the Somali ostriches be extinct within the next few years? Somali Range Bulletin No. 9: 34-36.

Kimminau, K. 1993. Introducing the ostrich. Vet Tech 14: 459-167.

Kjelland, M., Blue-McLendon, A. and Kraemer, D. 2012. Determining air cell location and embryo development in opaque shelled eggs. Avian Biology Research. 5(2):99-102.

Kontecka, H., Woznicka, J., Witkiewicz, K. and Nowaczewski, S. 2011. Laying, Egg and Hatchability Characteristics in Ostrich (Struthio camelus) at Different Age. Biological Abstracts Folia Biologica (Cracow). 59(3-4): 163-167.

Lambert, M., Deeming, D., Sibly, R. and Ayres, L. 1995**. The relationship between pecking behaviour and growth rate of ostrich (Struthio camelus) chicks in captivity.** Applied Animal Behavior Science 46(1/2):93-101.

Levy A; Perelman B; Waner T; Grevenbroek MV; Creveld CV; and Yagil R. 1989. Reference blood chemical values in ostriches (*Struthio camelus*). American Journal of Veterinary Research 50(9): 1548-1550.

Lesku, J., Meyer, L., Fuller, A., Maloney, S., Dell'Omo, G., Vyssotski, A. and Rattenborg, N. 2011.

Ostriches Sleep like Platypuses. Biological Abstracts PLoS One. 6(8): Article No.: e23203.

Leuthold, W. 1977. Notes on the breeding biology of the ostrich *Struthio camelus* in Tsavo East National Park , Kenya. Ibis 119: 541-544.

Madekurozwa, M. and Kimaro, W. 2006. Ultrastructural features of the follicular wall in developing follicles of  the sexually immature ostrich (Struthio camelus). Onderstepoort Journal of Veterinary Research 73(3): 199-205

Madekurozwa, M.C. 2007. Ultrastructural features of the uterus in the sexually immature ostrich (*Struthio camelus*) during periods of ovarian inactivity and activity. Onderstepoort Journal of VeterinaryResearch. 74(3): 209-216.

Magige, F., Moe,B. and Roskaft, E. 2008. The white colour of the Ostrich (*Struthio camelus*) egg is a trade-off between predation and overheating.   Journal of Ornithology. 149(3): 323-328.

Magige, F., Holmern, T., Stokke, S., Mlingwa, C. and Roskaft, E. 2009. Does illegal hunting affect density and behaviour of African grassland birds? A case study on ostrich (Struthio camelus. Biodiversity & Conservation. 18(5): 1361-1373.

Magige, F., Stokke,B., Sortland, R., and Roskaft, E. 2009. Breeding biology of ostriches (Struthio camelus) in the Serengeti ecosystem, Tanzania. African Journal of Ecology. 47(3): 400-408.

Malago, W., Medaglia, A., Matheucci, E. and Henrique-Silva, F. 2005. New PCR multiplexes for sex typing of ostriches. Brazilian Journal of Biology. 65(4): 743-745.

Malecki, I., Horbanczuk, J., Reed, C. and Martin, G. 2005. The ostrich (Struthio camelus) blastoderm and embryo development following storage of eggs at various temperatures. British Poultry Science. 46(6): 652-660.

Mamadou, M. I., Habou, M. K. A., Rabeil, T., Rabiou, H., Petretto, M., & Mahamane, A. (2020). Structure of the Woody Stands of the Future Pre-Release Site of North African Ostrich (Struthiocameluscamelus(Linnaeus, 1858)) in Koutous, Niger. *Journal of Applied Life Sciences International*, *23*(2), 36-48. <https://doi.org/10.9734/jalsi/2020/v23i230145>

Marks, S., Stauber, E. and Ernstrom. S. 1994. Aspergillosis in an ostrich. Journal American Vet Med Assoc 204: 784-785.

Matthews, N., Burba, D. and Cornick. J. 1991. Premature ventricular contractions and apparent hypertension during anesthesia in an ostrich. Journal American Vet Med Assoc 198: 1959-1961.

Milewski, A. 1994. Is the diet of the ostrich similar to that of Grant’s Gazelle? East African Natural History Society Bulletin 24: 12-14.

Miller, J., Hallager, S., Monfort, S., Newby, J., Bishop, K., Tidmus, S., Black, P., Houston, B., Matthee, C. and Fleischer, R. 2010. Phylogeographic analysis of nuclear and mtDNA supports subspecies designations in the ostrich (*Struthio camelus).* Conservation Genetics published on line (doi:10.1007/s10592-010-0149-x)

Milton S; Dean W; and Linton A. 1993. Consumption of Termites by Captive Ostrich Chicks. South African Journal of Wildlife Research 23(2): 58-60.

Milton S; Dean W; and Siegfried W. 1994. Food Selection by Ostrich in Southern Africa. Journal of Wildlife Management 58(2): 234-248.

Minka, N., and Ayo, J. 2007. Road transportation effect on rectal temperature, respiration and heart rates of ostrich (*Struthio camelus*) chicks. Veterinarski Arhiv. 77(1): 39-46.

Minka, N. and Ayo, J. 2011. Behavioural responses, traumatic injuries and live weight losses in ostrich (Struthio camelus) chicks transported by road during hot-dry conditions . Biological Abstracts Archiv fuer Tierzucht. 54(6): 636-648.

Miranda, R., Mundim, A., Costa, A., Guimaraes, R. and Silva, F. 2008.Serum biochemistry of 4-day-old ostriches (Struthio camelus). Pesquisa Veterinaria Brasileira. 28(9):423-426.  
  
Mohri, M., Sani, R. and Masoodi, R. 2009. Plasma biochemistry of ostrich (Struthio camelus): effects of anticoagulants and comparison with serum. Tropical Animal Health & Production. 41(6): 845-849.

Morse B. 1994. Hold that bird! Canadian Ostrich 3(4): 14,15,18.

Mushi, E., Isa,J., Binta,M and Kgolthane,M. 2007. Physical characteristics of ostrich (*Struthio camelus*) eggs from Botswana. Journal of Animal and Veterinary Advances 6(5): 676-677.

Myers N. 1979. Big bird turns it on. International Wildlife 9(2): 20-25.

Ostrowski S and Ancrenaz M. 1995. Chemical Immobilization of Red-Necked Ostriches (*Struthio camelus*) Under Field Conditions. Veterinary Record 136(6): 145-147.

Ostrowski, S., Massalatchi, M, and Mamane, M. 2001. Evidence of a dramatic decline of the red-necked ostrich *Struthio camelus camelus* in the Air and Tenere National Nature Reserve, Niger. Oryx 35 (4): 349-352.

Palomeque J; Pinto D; and Viscor G. 1991. Hematologic and blood chemistry values of the Masai ostrich (*Struthio camelus*). Journal of Wildlife Diseases 27(1): 34-40.

Payne H. 1993. Welfare of ostriches and other ratites during transport. State Veterinary Journal 3(4): 8-12.

Perelman B; Greiff M; Kuttin E; and Rogol M. 1992. Campylobacteriosis in ostriches. Israel Journal of Veterinary Medicine 47(3): 116-119.

Perelman B; Gur Lavie A; and Samberg Y. 1988. Pox in ostriches. Avian Pathology 17(3): 735-739.

Perelman B and Kuttin E. 1992. Zygomycosis in ostriches. Avian Pathology 21(4): 675-680.

Perelman B and Kuttin E. 1992. Aspergillosis in ostriches. Avian Pathology 21(1): 159-163.

Perelman B and Kuttin E. 1992. Aspergillosis in ostriches. Avian Pathology 21(1): 159-163.

Philbey A; Button C; Gestier A; Munro B; Glastonbury J; Hindmarsh M; and Love S. 1991. Anasarca and myopathy in ostrich chicks. Australian Veterinary Journal 68(7): 237-240.

Pleti, A., de Lima, J., Bileski Candido, L. 2009. Internal quality of ostrich eggs after storage in ambient temperature and in cooling condition storage. Ciencia Rural. 39(6): 1864-1868.

Raidal S; Gill J; and Cross G. 1996. Pox in ostrich chicks. Australian Veterinary Journal 73(1): 32-33.

Raines, A.M. 1993. Adenovirus infection in the ostrich (Struthio camelus). Proceedings Association of Avian Veterinarians: 304-312.

Robinson, T and Matthee, C. 1999. Molecular genetic relationships of the extinct ostrich, *Struthio camelus syriacus*: consequences for ostrich introductions into Saudi Arabia. Animal Conservation 2: 165–171.

Rodrigues, G., Buschinelli, C. and Muniz, L. 2008. Ostrich farming and environmental management tools: an overview. Australian Journal of Experimental Agriculture. 48(10): 1308-1313.

Sales, J.. Poggenpoel, D. and Cilliers, S. 1993. **Comparative physical and nutritive characteristics of ostrich eggs.** World's Poultry Science Journal52(1)45-52, 85, 87-88, 91, 94.

Samberg, Y., Hadash, D., Perelman, B. and Meroz, M. 1989. Newcastle disease in ostrich: Field case and experimental infection. Avian Pathology 18: 221-226.

Samour J; Irwin-Davies J; and Faraj E. 1990. Chemical immobilization in ostriches (*Struthio camelu*s) using etorphine hydrochloride. Veterinary Record 127(23): 575-576.

Sambraus H. 1995. Feather Pecking of Ostriches in Captivity. Tierarztliche Umschau 50(2): 108-111.

Sambraus, H. 1994. S**exual behaviour of the African ostrich (Struthio camelus).** Tierarztliche Praxis 22(6):538-541.

Sambraus, H. 1994. **Circadian rhythm in the behaviour of ostriches kept in pens.**  
Berliner und Munchener Tierarztliche Wochenschrift 107(10):339-341.

Sambraus, H. 1994. **Comfort behaviour of the African ostrich (Struthio camelus).** Deutsche Tierarztliche Wochenschrift 101(8):307-308.

Sambraus, H.1995. **Behavioural disorders in the food intake of ostriches.** Berliner und Munchener Tierarztliche Wochenschrift 108(9): 344-346.

Samson J. 1994. Behaviorial problems. Canadian Ostrich 3(2): 74-76.

Samson J. 1994. Raising ostriches in northern climates. Canadian Ostrich; 3(1): 62-64.

Samson J. 1995. Environmental enrichment for ostriches. Canadian Ostrich 4(8): 14,16.

Samson J. 1995. Health hazards for the ostrich handler. Canadian Ostrich 4(2): 24-25.

Satteneni, G. and Satterlee, D. 1994**. Factors affecting hatchability of ostrich eggs.** Poultry Science 73(suppl. 1): 38.

Sauer. E.G. 1970. Interspecfic behavior of the South African ostrich. Ostrich Supplement 8: 91-103.

Sauer, E.G. 1972. Aberrent sexual behavior of the South African ostrich. Auk 89: 717-737.

Sauer, E.G. and Sauer, E.M. 1966. The behavior and ecology of the South African ostrich. Living Bird 5: 45-75.

Sebei, S., Bergaoui, R., Ben Hamouda, M. and Cooper, R. 2009. Wild ostrich (Struthio camelus australis) reproduction in Orbata, a nature reserve in Tunisia. Tropical Animal Health & Production. 41(7):1427-1438.

Schaller, N., Villa,R, and Aerts, P. 2009. The intertarsal joint of the ostrich (Struthio camelus): Anatomical examination and function of passive structures in locomotion. Journal of Anatomy. 214(6):830-847.

Sharp, G. 1993. **Management of ostrich breeder flocks.** Journal of the Zimbabwe Society for Animal Production5:79-82.

Shathele, M., Fadlelmula, A., Al-Hizab,F. and Zaki, M. 2009. Fatal Aspergillosis in an Ostrich (Struthio camelus) Predisposed by Pulmonary Haemangioma in the Kingdom of Saudi Arabia. Internationa Journal of Zoological Research. 5(2): 80-85.

Shivaprasad, H.L.1993. Neonatal mortality in ostriches: an overview of possible causes. Proceedings Association of Avian Veterinarians: 282-293.

Singh Dhillon, A. 1993. **High mortality in young ostriches.** Proceedings - Western Poultry Disease Conference(42nd): p.15-16. Meeting held February 28-March 2, 1993, Sacramento, California.

Smith C. 1993. Ostrich Chick Survival Presents Challenge. Journal of the American Veterinary Medical Association 203(5): 637-643.

Speer, B. 1993. The “fading chick syndrome”. Proceedings Western Region American Ostrich Association: 29-34.

Spreckels, M. 1983. **Hand-rearing ostriches Struthio camelus at the Phoenix Zoo (Arizona, USA).** Avicultural magazine 89(4)229-233.

Stewart, J. and Kornelsen, M. 1994. **Ostrich behavior and behavioral problems.**  
Main Conference Proceedings Association of Avian Veterinarians, Reno, Nevada, USA, 28-30, September, 1994*.* Orlando, FL: Association of Avian Veterinarians, p.103-109.

Stoskopf, M., Beall, F., Ensley, P. and Neely, E. 1982. Immobilization of large ratites: blue-necked ostrich (*Struthio camelus austrelis*) and double-wattled cassowary (*Casuarius casuarius*) with hematologic and serum chemistry data. Journal Zoo Animal Medicine 13: 160-168.

Tadeu Pigatto, J., Franzen, A., Pereira, F., da Veiga Rodarte de Almeida, A., Laus, J., dos Santos, J., Guedes, P. and de Moraes Barros, P. 2009. Scanning electron microscopy of the corneal endothelium of ostrich. Ciencia Rural. 39(3):926-929.

Tadjalli, M., Mansouri, S. and Poostpasand, A. 2008. Gross anatomy of the oropharyngeal cavity in the Ostrich (Struthio camelus). Iranian Journal of Veterinary Research, Shiraz University 9 (4): 316-323.

Terzich M and Vanhooser S. 1993. Postmortem findings of ostriches submitted to the Oklahoma Animal Disease Diagnostic Laboratory. Avian Diseases 37(4): 1136-1141.

Ullrey, D.E. and Allen, M. 1996. Nutrition and feeding of ostriches. Animal Feed Science Technology 59: 27-36.

van Heerden, J. 1983. Suspected vitamin E-selenium deficiency in two ostriches. Journal South African Vet Assoc 54: 53-54.

van Heerden, J. 1985. Blood chemistry and electrolye concentrations in the ostrich (*Struthio camelus*). Journal South Africa Vet Assoc 56: 75-79.

Vanhooser, S. 1984. Aortic rupture in ostrich associated with copper deficiency. Vet Human Toxicology 36: 226-227.

Van Schalkwyk, S. and Cloete, S. 1999. The effect of temperature on the hatching performance of ostrich chicks, and its implications for artificial incubation in forced draught wooden incubators. South African Journal of Animal Science 29: 92-99.

Wang, M., Cloete, S., Dzama, K., Bonato, M. and Malecki, I. 2012 Foster parenting, human imprinting and conventional handling affects survival and early weight of ostrich chicks. South African Journal of Animal Science. 42(2):123-130.

Wang, Jia-Xiang; Peng, Ke Mei; Du, An Na; Tang, Li; Wei, Lan, Jin, Er Hui; Wang, Yan; Li, Sheng He and Song, Hui. 2007. Histological structure of the digestive tract in African ostrich chicks. Chinese Journal of Zoology. 20 42(3): 131-135.

Wang, J. and Peng, K. 2008. Developmental Morphology of the Small Intestine of African Ostrich Chicks. Poultry Science. 87(12):2629-2635.  
  
Weisman Y; Malkinson M; Perl S; Machany S; and Lublin A. 1993. Paresis in young ostriches. Veterinary Record 32(11): 284.

Willimas J; Siegfreid W; Milton S; Adams N; Dean W; Du Plessis M; Jackson S; and Nagy K. 1993. Field metabolism, water requirements, and foraging behavior of wild ostriches in the Namib. Ecology 74(2): 390-404.

Wilson, H. and Eldred, A. 1996. **Effect of egg storage on hatchability and weight loss of ostrich eggs.** Poultry Science 75(suppl. 1):80.

Zhang, R., Han, D., Ma, S., Luo, G., Ji, Q., Xue, S., Yang, M. and Li, J. 2017. Plantar pressure distribution of ostrich during locomotion on loose sand and solid g round. DOI: [10.7717/peerj.3613](https://doi.org/10.7717/peerj.3613)

Ziomko,I., Karamon,J., and Cencek,T., 2006. Parasites in ostriches.   Medycyna Weterynaryjna. 62(6): 628-631.

**Rhea**

Alonso R., Navarro, J., Gardenal, C., and Martella, M. 2011. May Captive Populations of Greater Rhea (Rhea americana) Act as Genetic Reservoirs in Argentina? Zoo Biology 30(1): 65-70.

Alonso R., Rossi F., Navarro, J., Gardenal, C. and Martella, M. 2009. Genetic structure of greater rhea (Rhea americana) populations in two regions with different land-uses in central Argentina. Emu 109(3):214-221.

Barri, F., Roldan, N., Navarro, J., Martella, M. 2012. Effects of group size, habitat and hunting risk on vigilance and foraging behaviour in the Lesser Rhea (Rhea pennata pennata) . Biological Abstracts Emu. 112(1): 67-70.

Barri, F., Martella, M., Navarro, J. 2008.   Characteristics, abundance and fertility of orphan eggs of the Lesser Rhea (Pterocnemia-Rhea-pennata pennata): implications for conservation.  Journal of Ornithology. 149(2): 285-288.

Barri, F., Navarro, J., Maceira, N. and Martella, M. 2006. Rearing greater rhea (*Rhea americana*) chicks: is adoption more effective than the artificial intensive system? British Poultry Science 46(1): 22-25.

Bazzano,G., Navarro,J., Martella,M., 2007. Effect of different diets on growth and survival of Greater rhea (*Rhea americana*) chicks Archiv fuer Gefluegelkunde 71(3): 117-121

Bazzano, G., Leche, A., Martella, M., Navarro,J. 2012. Efficiency of the cloacal sexing technique in greater rhea chicks (Rhea americana). Poultry Science. 53(3):394-396.

Beaver, P. 1978. Ontogeny of vocalization in the greater rhea. Auk 95: 382-388.

Beaver, P.W. 1978b. Ontogeny of feeding and drinking in the greater rhea *Rhea americana*. Behavioural Processes 3: 283–292.

Bellis, L. M., M. B. Martella, and J. L. Navarro. 2004a. Habitat use by wild and captive-reared greater rheas *Rhea americana* in agricultural landscapes in Argentina. Oryx 38: 304–310.

Bellis, L. M., M. B. Martella, J. L. Navarro, and P. E. Vignolo. 2004b. Home range of greater and lesser rhea in Argentina: relevance to conservation. Biodiversity and Conservation 13: 2589–2598.

Bellis, L. M., J. L. Navarro, P. E. Vignolo, and M. B. Martella. 2006. Habitat preference of lesser rheas in Argentine Patagonia. Biodiversity and Conservation 15: 3065–3075.

Bog, D. 2008. Some Skeletal Peculiarities of Rhea americana (Rheiformes, Rheidae) with Respect of Ratitae Evolution. Vestnik Zoologii: 347-354.

Bouzat, J. L. 2001. The population genetic structure of the Greater Rhea *Rhea americana* in an agricultural landscape. Biological Conservation 99: 277–284.

Bowthorpe, G. and Voss, G. 1968. Breeding the rhea and the emu at Winnipeg Zoo. International Zoo Yearbook 8: 146-150.

Brown, D. and Kimbell, R. 1972. Maintaining rheas at the Fort Worth Zoo. International Zoo Yearbook 13: 163-174.

Bruning, D. F. 1973a. The Greater Rhea chick and egg delivery route. Natural History 82: 68–75.

Bruning, D. F. 1973b. Breeding and rearing rheas in captivity. International Zoo Yearbook 13: 163–172.

Bruning, D. F. 1974. Social structure and reproductive behavior of the Greater Rhea. Living Bird 13: 251–294.

Cabrera, M., del-Puerto, M., Olivero, R., Godoy, Y., Malcenido, W., Bentancur, O., and Saadoun, A. 2007. Growth of greater rhea (*Rhea americana*) males and females fed with different protein levels. Archivos de Zootecnia 56(216): 971-974

Cajal J. 1988. The lesser rhea in the Argentine Puna region: Present situation. Biological Conservation 45(2): 81-91.

Carro, M. and Fernandez, G. 2008. Seasonal variation in social organization and diurnal activity budget of the Greater Rhea (*Rhea americana*) in the Argentinean pampas. Emu. 108(2): 167-173.

Carro, M., Fernandez, G., and Reboreda, J.2011. Sequential predictability of the scanning behaviour of greater rheas, Rhea Americana. Ethology Ecology & Evolution. 23(1):27-39.

Codenotti, T. and Alvarez, F. 2001 . Mating behavior of the male greater rhea. Wilson Bulletin 113(1): 85-89.

Codenotti, T. and Alvarez, F. 1997. Cooperative breeding between males in the greater rhea *Rhea americana*. Ibis 139: 568-571.

Codenotti, T. and Alvarez, D. 1998. Adoption of unrelated young by greater rheas. Journal Field Ornithology 69: 58-65.

[Comparatore, V and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Comparatore-Viviana+in+AU) [Yagueddu, C.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Yagueddu-Cristina+in+AU) 2007. Diet of the greater rhea (*Rhea americana*) in an agroecosystem of the Flooding Pampa, Argentina. [Ornitologia-Neotropical](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ornitologia-Neotropical+in+SO) 18(2): 187-194.

Cortez, M., Navarro, J. and Martella, M. 2018. Effect of antipredator training on spatial behavior of male and female greater rheas Rhea Americana reintroduced into the wild. Acta Ornithologica 53(1): 81-90.

Cristiano S., Silva, K.,Ferraz, J.,Tinoco, H.,Young, R. and Rodrigues, M. 2012. Does people's knowledge about an endangered bird species differ between rural and urban communities? The case of the Greater Rhea (Rhea americana, Rheidae) in Minas Gerais, Brazil de Azevedo, Revista Brasileira de Ornitologia 20(1): 8-18.

de Azevedo, C. S., and R. J. Young. 2006a. Behavioural responses of captive-born greater rheas *Rhea americana* Linnaeus Rheiformes, Rheidae, submitted to antipredator training. Revista Brasileira de Zoologia 23: 186–193.

de Azevedo, C. S., and R. J. Young. 2006b. Do captive-born greater rheas *Rhea americana* Linnaeus Rheiformes, Rheidae remember antipredator training? Revista Brasileira de Zoologia 23: 194–201.

de Azevedo, C. and Young, R. 2006. Shyness and boldness in greater rheas *Rhea Americana* Linnaeus (Rheiformes, Rheidae): the effects of anitpredator training on the personality of the birds. Revista Brasileira de Zoologica 23(1): 202-210.

[de-Azevedo, C.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=de-Azevedo-Cristiano-Schetini+in+AU) [Tinoco, H.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Tinoco-Herlandes-Penha+in+AU) [Ferraz, J., and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ferraz-Joao-Bosco+in+AU) [Young, R.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Young-Robert-John+in+AU) 2006. The fishing rhea: a new food item in the diet of wild greater rheas (*Rhea americana*, Rheidae, Aves). [Revista Brasileira de Ornitologia](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Revista-Brasileira-de-Ornitologia+in+SO) 14(3): 285-287.

[de-Azevedo, C.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=de-Azevedo-Cristiano-Schetini+in+AU) [Tinoco, H.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Tinoco-Herlandes-Penha+in+AU) [Ferraz, J., and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ferraz-Joao-Bosco+in+AU) [Young, R,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Young-Robert-John+in+AU) 2006. Unusual nest site for greater rheas (*Rhea americana,* Rheidae, Aves). [Revista-Brasileira-de-Ornitologia](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Revista-Brasileira-de-Ornitologia+in+SO) 14(3): 289-290.

de Azevedo, C., Ferraz, J., Tinoco, H., Young, R. and Rodrigues, M. 2010. Time-activity budget of greater rheas (Rhea americana, Aves) on a human-disturbed area: the role of habitat, time of theday, season and group size. Acta Ethologica 13(2):109-117.

De Azevedo, C., Lima, M., Cipreste, C., Young, R. and Rodriques, M. 2012. Using Environmental enrichment to reduce the expression of abnormal behaviors in the greater rhea Rhea americana at Belo Horizonte Zoo. International Zoo Yearbook 47(1): 163-170.

de Azevedo, C., Figueiredo Lima, M., Alves da Silva, V., Young, R. and Rodrigues, M. 2012. Visitor Influence on the Behavior of Captive Greater Rheas (Rhea americana, Rheidae Aves). Journal of Applied Animal Welfare Science 15(2): 113-125.

[Delsuc, F.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Delsuc-Frederic+in+AU) [Superina, M.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Superina-Mariella+in+AU), [Ferraris, G.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ferraris-Guillermo+in+AU) [Tilak, M. and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Tilak-Marie-Ka+in+AU) [Douzery, E.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Douzery-Emmanuel-JP+in+AU)  2007. Molecular evidence for hybridization between the two living species of South American ratites: potential conservation implications. [Conservation-Genetics](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Conservation-Genetics+in+SO) 8(2): 503-507.

de-Lucas, J., Navarro J., Rubio, S., Vignolo, P., Asis, V., Gonzalez, F. and Rodriguez, C. 2008. Pharmacokinetic behaviour of enrofloxacin in greater rheas following a  single-dose intramuscular administration. Veterinary Journal 175(1): 136-138

Della Costa, N., Leche, A., Guzman, D., Navarro, J., Marin, R., and Martella, B. 2013. Behavioral responses to short-term transport in male and female Greater Rheas (*Rhea americana*) reared in captivity. Poultry Science 92:849–857

Della Costa, N., Marin, R., Busso, J., Hansen, C., Navarro, J. and Martella, M. 2016.  Influence of the Rearing System on Yolk Corticosterone Concentration in Captive Greater Rheas (Rhea americana).  Zoo Biology 35: 246-250.

Dewit J. 1995. Mortality of Rheas Caused by a Synchamus-Trachea Infection. Veterinary Quarterly 17(1): 39-40.

Dhillon A. 1983. Histomoniasis in a captive great rhea (*Rhea americana*). Journal-of-Wildlife-Diseases 19(3): 274.

Fernández, G. J., and M. E. Mermoz. 2003. Group copulation solicitation display among female Greater Rheas. Wilson Bulletin 115: 467–470.

Fernández, G. J., and J. C. Reboreda. 1995. Adjacent nesting and egg stealing between males of the Greater Rhea *Rhea americana*. Journal of Avian Biology 26: 321–324.

Fernández, G. J., and J. C. Reboreda. 2000. Egg losses and nest desertion in Greater Rheas *Rhea americana*. Ibis 142: 29–34.

Fernández, G. J., A. F. Capurro, and J. C. Reboreda. 2003. Effect of group size on individual and collective vigilance in greater rheas. Ethology 109: 413–425.

Fernandez, G. and Reboreda, J. 1998. Effects of clutch size and timing of breeding on reproductive success of greater rheas. Auk 115: 340-348.

Fernandez, G. and Reboreda, J. 2000. Egg losses and nest desertion in greater rheas *Rhea americana*. Ibis 412: 29-34.

Fernandez, G. and Reboreda, J. 2002. Nest-site selection by male greater rheas. Journal Field Ornithology 73(2): 166-173.

Fernandez, G., Capurro, A. and Reboreda, J. 2003. Effect of group size on individual and collective vigilance in greater rheas. Ethology 109: 413-425.

[Fernandez, G. and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Fernandez-Gustavo-J+in+AU) [Reboreda, J. 2007.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Reboreda-Juan-C+in+AU) Costs of large communal clutches for male and female Greater Rheas *Rhea americana*. [Ibis](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ibis+in+SO) 149(2): 215-222.

Fernandez, G. and Reboreda, J. 2003. Male parental care in greater rheas (*Rhea americana*) in Argentina. The Auk 120(2): 418-428.

Fernandez,G., and Juan, C. 2008.   Between And Within Clutch Variation of Egg Size in Greater Rheas. Wilson Journal of Ornithology. 120(4):674-682.

Fraire, H. and Martella, M. 2006. DNA test to sex the lesser rhea (Rhea pennata pennata. Abstracts British Poultry Science. 47(3): 375-377.

Giordano, P., Bellis, L., Navarro, J., Martella, M. And Monica B. 2008. Abundance and spatial distribution of Greater Rhea Rhea americana in two sites on the pampas grasslands with different land use.  Bird Conservation International. 18(1): 63-70.

Gri, L., Martella, M. and Navarro, J.2008. Efficacy of probiotics in intensively reared Greater Rhea (*Rhea americana*) chicks. Archiv fuer Gefluegelkunde. 72(3): 136-139.

Grimes, J.E. and Arizmendi, F. 1994. Case reports of ratite chlamydiosis and update on the Chlamydias. Proceedings Association of Avian Veterinarians: 133-140.

Grone A; Swayne D; and Nagode L. 1995. Hypophosphatemic rickets in rheas (*Rhea americana*). Veterinary Pathology 32(3): 324-327.

Gupta B and Trapp A. 1971. Traumatic proventriculitis in a rhea (*Rhea americana*). Avian Diseases 15(2): 408-412.

Gussekloo, S. W. S., and G. A. Zweers. 1997. Feeding adaptations in the Greater Rhea *Rhea americana*; Ratitae. Journal of Morphology 232: 262.

Harlid, A., A. Janke, and U. Arnason. 1998. The complete mitochondrial genome of *Rhea americana* and early avian divergences. Journal of Molecular Evolution 46: 669–679.

Hodes, C.. 2010. Greater Rhea (*Rhea americana*), Neotropical Birds Online (T. S. Schulenberg, Editor). Ithaca: Cornell Lab of Ornithology; retrieved from Neotropical Birds Online: <http://neotropical.birds.cornell.edu/portal/species/overview?p_p_spp=55956>

Kaczmarek, J. and Pohorecka, M. 1965. Hatching and rearing of rheas, *Rhea americana*, at Warsaw Zoo. International Zoo Yearbook 5: 125-126.

Koch, C., Ballantyne, K., Tynes, V. and Fezler, D. 2017. Training *Rhea americana* chicks to walk voluntarily across a scale; effect on the handlers time and the chicks’ weight gain compared with traditional techniques: A pilot study. Journal of Veterinary Behavior 18: 69-75.

Kruczek, R. 1968. Breeding Darwin’s rheas at Brookfield Zoo. International Zoo Yearbook 8: 150-153.

Labaque, M., Martella, M., Maestri, D. and Navarro, J. 2013. The influence of diet composition on egg and chick traits in captive Greater Rhea females. British poultry science 54(3): 374-?

Labaque, M., Martella, M., Maestri, D., Hoyos, L. and Navarro, J. 2010. Effect of age and body weight of Greater Rhea (Rhea americana) females on egg number, size and composition. British Poultry Science. 51(6):838-846.

Labaque, M., Navarro, J. and Martella, M. 1999. A note on chick adoption: a complimentary strategy for rearing rheas. Applied Animal Behavior Science 63: 165-170.

Labaque, M., Navarro, J. and Martella, M. 2004. Effects of storage time on hatchability of artificially incubated greater rhea (*Rhea americana*) eggs. British Poultry Science 45(5): 638-642.

Ladd, K. 1996. Rhea bibliography. <http://homepage.usask.ca/~kfl094/rat_rhea.htm>

Leche, A., Bazzano, G., Hansen, C., Navarro, J., Marin, R. and Martella, M. 2014. Stress in wild greater rhea populations Rhea amerciana: effects of agricultural activities on seasonal excreted glucocorticoid metabolite levels. Journal of Ornithology 155(4): 919-926.

Leche, A., Busso, J., Navarro, J., Hansen, C., Marin, R., and Martella, M. 2011. Non-invasive monitoring of adrenocortical activity in Greater Rhea (Rhea americana) by measuring fecal glucocorticoid metabolites. Journal of Ornithology. 152(4):839-847.

Leche, A., Busso, J., Hansen,C., Navarro, J., Marin,R. and Matella,M. 2009.   Physiological stress in captive Greater rheas (*Rhea americana*): Highly sensitive plasma corticosterone response to an ACTH challenge. General & Comparative Endocrinology. 162(2):188-191.

Leche, A., Della Costa, N., Hansen, D., Navarro, J., Marin, R., and Martella, M., 2013. Corticosterone stress response of Greater Rhea (*Rhea americana*) during short-term road transport. Poultry Science 92:60–63

Leche, A., Nansen, C., Navarro, J., Marin, R. and Martella, M. 2014. Influence of breeding season on fecal glucocorticoid levels in captive greater rhea (Rhea americana). Zoo Biology 34(1): 71-75

Lint, K. 1973. Rheas….the largest birds in the Western Hemisphere. ZooNooz 46(4): 4-11.

Lombardi, C. M. 1994. Feeding and vigilance in wild greater rhea harems. Bird Behaviour 10: 29–35.

Martella, M. B., J. L. Navarro, J. M. Gonnet, and S. A. Monge. 1996. Diet of Greater rheas in an agroecosystem of central Argentina. Journal of Wildlife Management 60: 586–592.

Martella, M., Navarro, M., Sahade, J., Tatian, R. and Burgos, A. 1994. Breeding system of the greater rhea, *Rhea americana*. J. Fur Ornithol 135: 123.

Martella M and Navarro J. 1992. Capturing and marking greater rheas. Journal of Field Ornithology 3(2): 117-120.

Martella M; Renison D; and Navarro J. 1995. Vigilance in the Greater Rhea: Effects of Vegetation Height and Group Size. Journal of Field Ornithology 66(2): 215-220.

Martella, M., Navarro, J. and Bellis, I. 1998. New evidence on the mating system of *Rhea americana.* Ostrich 69: 259-260.

Mercolli, C., and A. A. Yanosky. 1994. Calls of the common *Rhea americana* Aves, Rheidae. in Argentina. Revista de Biologi¿a Tropical 42: 759–760.

McMillan E and Zellen G. 1991. Histomoniasis in a rhea. Canadian Veterinary Journal 32(4): 244.

Navarro, J. and Martella, M. 1998. Population biology of *Rhea americana* in Argentina: implicatioins for conservation. Ostrich 69: 350.

Navarro, T. and Yzurieta, D. 1998. Fertility of greater rhea orphan eggs: conservation and management implications. Journal Field Ornithology 69: 117-120.

Navarro, J. and Martella, M. 2002. Reproductivity and raising of greater rhea (*Rhea americana*) and lesser rhea (*Pterocnemia pennata*)- a review. Arch. Geflugelk 66(3): 124-132.

Nobert, B. and Lenzner, T. 2005. Natural and artificial breeding of the rhea (Rhea americana) in Berlin Zoo. Bongo 35:69-76.

Orosz S., Mullins J. and Patton S. 1992. Evidence of toxoplasmosis in two ratites. Journal of the Association of Avian Veterinarians 6(4): 219-222.

[Paoletti, G., and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Paoletti-Gilda+in+AU) [Puig, S.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Puig-Silvia+in+AU) 2007. Diet of the lesser rhea (*Pterocnemia pennata*) and availability of food in the Andean Precordillera (Mendoza, Argentina). [Emu](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Emu+in+SO) 107(1): 52-58.

[Pereira, S. et al.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Pereira-Soares-Mauro+in+AU) Chronic fascioliasis in farmed and wild greater rheas (*Rhea americana*). [Veterinary Parasitology](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Veterinary-Parasitology+in+SO) 145(1-2): 168-171.

Pereira, R., Canal, C. and Schmidt, V. 2008. Detection of Salmonella anatum in the Greater Rhea (*Rhea americana*).  Ciencia Rural. 38(3): 823-825.

Phalen, DN and Wigle, WL. 1994. Sinusitis in five rheas: Response to treatment. Proceedings Association of Avian Veterinarians: 147-150.

Picasso, M., Tambussi, C., Clelia M., and Degrange, F. 2012. Hindlimb muscle mass growth of the Greater Rhea (Rhea americana) during postnatal life. Revista Brasileira de Ornitologia 20(1): 1-7.

Plenge, M. 1982. The distribution of the lesser rhea *Pterocnemia pennata* in southern Peru and northern Chile. Ibis 124: 168-172.

Raikow, R. 1969. Sexual and agonistic behavior of the common rhea. Wilson Bulletin 81: 196-206.

Sanford S and Rehmtulla A. 1993. Impaction in a rhea. Canadian Veterinary Journal 34(3): 184-185.

Reboreda, J. C., and G. J. Fernández. 1997. Sexual, seasonal and group size differences in the allocation of time between vigilance and feeding in the Greater Rhea, *Rhea americana*. Ethology 103: 198–207.

Rodrigues, O., Luiz, G., Tambelini T. and Fernando, A. 2008.   
Influence of temperature on Greater Rhea Rhea americana activity in resting habitat, southern Brazil. Revista Brasileira de Ornitologia 16(1): 29-31.

Sampson, C. and Jorgensen, H. 2010. Incubation and hand-rearing of a greater rhea (Rhea americana) at the Great Plains Zoo. Animal Keepers' Forum. 37(4-5):169-172.

Sanford S; Rehmtulla A; and Josephson G. 1994. Tuberculosis in farmed rheas *(Rhea americana*). Avian Diseases 8(1): 193-196.

Smith, K., Murray, S. and Sanchez, C. 2005., Successful treatment of suspected exertional myopathy in a rhea (*Rhea americana*). Journal of Zoo and Wildlife Medicine 36(2): 316-320.

Taylor C; Dmi'el R; Fedak M; and Schmidt Nielsen K. Energetic cost of running and heat balance in a large bird, the rhea. American Journal of Physiology 1971; 221(2): 597-601.

Valdez DJ, Vera Cortez M, Della Costa NS, Lèche A, Hansen C, Navarro JL, et al. (2014) Seasonal Changes in Plasma Levels of Sex Hormones in the Greater Rhea (Rhea americana), a South American Ratite with a Complex Mating System. PLoS ONE9(5): e97334. <https://doi.org/10.1371/journal.pone.0097334>

Virginia, A.R., Hernan, R., Joaquin, N., Cristina, N. and Monica, B. 2009. Genetic structure of Greater Rhea (Rhea americana) populations in two regions with different land-uses in central Argentina Source. Emu. 109(3): 214-221.

**Emu**

Beutel, P., Davies, S. and Packer, W. 1983. Physical and physiological measurements of emu eggs and chicks. International Zoo Yearbook 23: 175-181.

Bewg, S. 1995. Emu health. Australian Emu 5: 9-11.

Bewg, S. 1995. Diseases in Queensland emus. Part 1. Australian Emu 8: 10-13.

Bewg, S. 1996. Diseases in Queensland emus. Part 2. Australian Emu 10: 10-11.

Bowthorpe, G. and Voss, G. 1968. Breeding the rhea and the emu at Winnipeg Zoo. International Zoo Yearbook 8: 146-150.

Buttemer, W., Astheimer, L. and Dawson, T. 1988. Thermal and water relations of emu eggs during natural incubation. Physiol. Zool. 61: 483-494.

[Calvino, C., Maria](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Calvino-Cancela-Maria+in+AU), D., [Dunn, R.,](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Dunn-Robert-R+in+AU) [van Etten, E. and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=van-Etten-Eddie-JB+in+AU)  [Lamont, B.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Lamont-Byron-B+in+AU) 2006. Emus as non-standard seed dispersers and their potential for long-distance dispersal. [Ecography](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ecography+in+SO) 29(4): 632-640.

Coddington C and Cockburn A. 1995. The Mating System of Free Living Emus. Australian Journal of Zoology 43(4): 365-372.

Costa N; Mcdonald D; and Swan R. 1993. Age-Related-Changes in Plasma Biochemical Values of Farmed Emus (*Dromaius novaehollandiae*). Australian Veterinary Journal 70(9): 341-344.

Cushing, A., Christopher, L., Modesto, M., Michael, S. and Mark, Rishniw. 2013. The electrocardiogram of anesthetized captive adult emus *Dromaius novaehollandiae.* Journal of Veterinary Cardiology 15(1): 51-56

Crole, M. and Soley, J. 2009. Morphology of the tongue of the emu (Dromaius novaehollandiae). I. Gross anatomical features and topography. Onderstepoort Journal of Veterinary Research. 76(3):335-345.

Curry, P. 1970. The young emu and its family life in captivity. M.Sc. Thesis, University of Melbourne.

Davies, S.J.J.F. 1967. Sexual dimorphism in the emu. Emu 67: 23-26.

Davies, S.J.J.F. 1968. Aspects of a study of emus in semi-arid western Australia. Proc. Ecol. Soc. Aust. 3: 160-166.

Davies, S.J.J. F. 1974. The natural history of the emu in comparison with that of other ratites. Proceedings of the 16th International Ornithological Congress, Canberra, Australia: 109-120.

Davies, S.J.J.F. 1976. The natural history of the emu in comparison with that of other ratites. Proc. 16th Int. Ornithol. Congr., pp. 109-120.

Davies, S.J.J.F. 1978. The food of emus. Australian Journal Ecology 3: 411-422.

Dawson, T. and Herd, R. 1983. Digestion in the emu: low energy and nitrogen requirements of this large ratite bird. Comp. Biochem. Physiol 75: 41-45.

Dawson, T., Read, D., Russell, E. and Herd, R. 1984. Seasonal variation in daily activity patterns, water relations and diet of emu. Emu 84: 93-102.

Day, J. and Stark, L. 1998. St. Louis Encephalitis Virus Transmission to Emus (Dromaius novaehollandiae) in Palm Beach County, Florida with Evidence of Western Equine Encephalitis Virus Antibody Transport to Florida by Emus Infected in Other States.*The Florida Entomologist*  81 (1): 104-111.

Dzialowski, E. and Sotherland, P. 2004. Maternal effects of egg size on emu Dromaius novaehollandiae egg composition and hatchling phenotype. Journal of Experimental Biology 207(4): 597-606

Dunstan, H., Florentine, S.,Calvino-Cancela, M., Westbrooke, M. and Palmer, G. 2013. Dietary characteristics of Emus (Dromaius novaehollandiae) in semi-arid New South Wales, Australia, and dispersal and germination of ingested seeds.Emu 113 [2]: 168-176.

Fox, J., Greiner, E., Bain, P. and Jones, R. 1996. **Malaria in a captive emu (Dromaius novaehollandiae) from Florida.** Avian Diseases 40(2):477-479.

Fukuda, T., Kanemitsu, H., Matsuo, Y., Nakaoka, M. and Yonezawa, A. 1989**. Breeding the emus, Dromaius novaehollandiae, in captivity.** Journal of Japanese Association of Zoological Gardens and Aquariums31(4):108-111.

Grice, D., Caughley, G., and Short, J. 1985. Density and distribution of emus. Aust. Wildl. Res. 12: 69-73.

Guest, S. 1974. An observation of swimming emus. Geelong Naturalist 10: 85-86.

Herd, R. and Dawson, T. 1984. Fiber digestion in the emu, *Dromaius novaehollandiae*, a large bird with a simple gut and high rates of passage. Physiol Zool 57: 70-84.

Honnas, C. Jensen, J., Blue-McLendon, A., Zamos, D. and Light, G. 1993. Surgical treatment of egg retention in eums. Journal American Vet Med Assoc 203: 1445-1447.

Heupink, T., Huynen, L. and Lambert, D. 2011. Ancient DNA Suggests Dwarf and 'Giant' Emu Are Conspecific. Biological Abstracts PLoS One. 6(4). Article No.: e18728.

Honnas, C., Jensen, J., Blue McLendon, A., Zamos, D and Light, G. 1993. **Surgical treatment of egg retention in emus.** Journal of the American Veterinary Medical Association 203(10):1445-1447.

Hunter B. 1994. The hatching process. Canadian Ostrich 3(2): 60-63.

Hunter B. 1994. Talking emu. Canadian Ostrich 3(1): 52-53.

Hunter B. 1995. Tips for successful sexing of emus. Canadian Ostrich 4(7): 28,37.

Immelmann, K. 1960. The sleep of the emu. Emu 60: 193-195.

Kent, P., Barram, K., Trappett, P. and Hasker, P. 1995. Electronic identification transponders assist emu management. Australian Emu 9: 9-10.

Kinder, L. L., Anthony, N. B. and Bailey, C. F. 1996. **Characterization of embryonic development in the emu (Dromaius novaehollandiae).** Poultry Science 75(suppl. 1): 49.

Kumar, P., Jagatheesan, P., Anandh, M., Rajarajan, G. and Paramasivam, A. 2012. Influence of incubation temperature on emu (Dromaius novaehollandiae) egg hatchability. Indian Journal of Animal Sciences. 82(5): 527-529.

Kumar, M., Bhattacharjee, R., Ranjan,V. and Palit, M. 2006. Attentive-inattentive behavioural pattern of incubating male emu. Zoos' Print 21(5): 16-17

Kumar, K., Thirumurugan, R., Devaki,K. and Khan, P. 2005. Acariasis in an emu (Dromaius novaellandiae) - a case report. Zoos' Print Journal 20(5): 1876

Ladd, K. 1996. Emu bibliography. http://homepage.usask.ca/~kfl094/rat\_emus.htm

[Langner, C.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Langner-Christoph+in+AU) 2006. Anmerkungen zur Haltung des Emus (*Dromaius novaehollandiae*) im Tierpark Stralsund. (Remarks to keeping, breeding and behaviour of Emus (*Dromaius novaehollandiae*) in Stralsund Zoo). [Zoologische Garten](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Zoologische-Garten+in+SO) 76(2): 115-122.

Legge, W. 1907. The emus of Tasmania and King Island. Emu 6: 116-119.

Maloney, I. 1993. Sexual dimorphism in basal metabolism and body temperature of a large bird, the emu. Condor 95: 1034-1037.

Maloney, I. 1994. Thermoregulation in a large bird, the emu (*Dromaius novaehollandiae*). Journal Comparative Physiology 164: 464-472.

[Maxwell, E. and](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Maxwell-Erin-E+in+AU) [Larsson, H.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Larsson-Hans-CE+in+AU) 2007. Osteology and myology of the wing of the emu *(Dromaius novaehollandiae*), and its bearing on the evolution of vestigial structures. [Journal of Morphology](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Journal-of-Morphology+in+SO) 268(5): 423-441.

McGrath, R. J. & Bass, D. (1999). Seed dispersal by Emus on the New South Wales north-east coast. EMU 99 (4), 248-252.

Menon, D., Bennett, D., Schaefer, A. and Cheng, K. 2013. Hemotological and serum biochemical profile of farm emus *Dromaius novaehollandiae* at the onset of their breeding season. Poultry Sciecne 92(4): 935-944

Menon, D., Bennett, D., Schaefer, A. and Cheng, K., 2014. Transportation stress and the incidence of exertional rhabdomyolysis in emus (*Dromaius novaehollandiae*). Poultry Science 93 :273–284.

Minnaar, P. and Minnaar, M. 1998. **The Emu Farmer's Handbook.** Groveton, TX: Nyoni Publishing Co. Volume 1, 1994; Volume 2, 1998.

Nagai, H., Mak, Siu-Shan., Weng, W., Nakaya, Y., Ladher, R. 2011. 2011. Embryonic Development of the Emu, *Dromaius novaehollandiae*. Developmental Dynamics 240(1):162-175.

Nield, A., Enright, N. and Ladd, P.  2015.  Study of seed dispersal by Emu (Dromaius novaehollandiae) in the Jarrah (Eucalyptus marginata) forests of south-western Australia through satellite telemetry.  Emu 115: 29-34

O’Brian, R.M. 1990. Family Dromaiidae: emus. *In* Handbook of Australian, New Zealand and Antarctic Birds. Eds S. Marchant and P.J. Higgins). Oxford University Press.

O’Malley, P. 1996. An estimate of the nutritional requirements of emus, pp 92-108. *In:* Deeming, D.C. (ed). Improving our Understanding of Ratites in a Farming Environment. Ratite Conference, Oxfordshire, UK.

Nagai, H., Mak, S., Weng, W., Nakaya, Y., Ladher, R. and Sheng, G. 2011. Embryonic Development of the Emu, Dromaius novaehollandiae. Biological Abstracts Developmental Dynamics. 240(1): 162-175.

Padget, D1991. **Emu husbandry.** Journal of the Association of Avian Veterinarians 5(1):48-49.

Pfennigwerth, S. 2010. "The mighty cassowary": the discovery and demise of the King Island emu. Zoological Record Archives of Natural History 37(1):74-90.

Ravindra-Reddy, Y., Viroji-Rao, S., Satyanarayana, R. Shakila, S., Veerabrahmaiah, K. and Satishkumar, K. 2004. A study on quality of emu eggs. Indian Veterinary Journal 81(4): 465-466

Shane, S. and Tully, T. 1994. **Disease and reproductive losses in emus.**Proceedings - Western Poultry Disease Conference *(*43rd): p.22-24. Meeting held on February 27-March 1, 1994, Sacramento, California.

Skadhauge, E., Maloney, S. and Dawson, T. 1991. Osmotic adaptation of the Emu (*Dromaius novaehollandiae*). Journal Comparative Physiology 161: 173-178.

Tully, T. and Shane, S. 1993. Salmonella pullorum seroconversion in emus. Proceedings Association of Avian Veterinarians: 315-317.

Tully, T., Shane, S., Poston, R., England, J., Vice, C., Cho, D. and Panigrahy, B. 1992. Eastern Equine Encephalitis in a Flock of Emus (Dromaius novaehollandiae). Avian Diseases 36 (3): 808-812.

Ullrey, D. 1983. **Do emus have to be legless too?** Proceedings of the Annual Dr Scholl Conference on the Nutrition of Captive Wild Animals 2 (1983)

Van Der Heyden, N. 1994. Cardiomyopathy in three emu chicks. Proceedings Association of Avian Veterinarians: 127-129.

Veazey R., Vice C. and Cho DY, et al.: 1994, Pathology of eastern equine encephalitis in emus (*Dromaius novaehollandiae*). Vet Pathol 31:109-111.

Wahoski M. 1994. Emu egg candlers explained. Canadian Ostrich 3(9): 40.

Weiler B. 1994. Successful emu incubating and chick care. Canadian Ostrich 3(4): 76-79.

**Cassowary**

Bellingham, PJ. 2008. Cyclone effects on Australian rain forests: An overview. *Austral*

*Ecology* 33: 580–584.

Bentrupperbäumer, J. M. 1998. Reciprocal ecosystem impact and behavioural interactions

between cassowaries, *Casuarius casuarius* and humans, *Homo sapiens* exploring the naturalhuman environment interface and its implications for endangered species recovery in north Queensland, Australia. Unpubl. PhD thesis. James Cook University of North Queensland.

Townsville.

Birchard, G., Snyder, G., Black, C., Schmitt, E., Lyvere, P. and Kane, B. 1982. Humidity and successful artificial incubation of avian eggs: hatching the cassowary at Denver Zoo. International Zoo Yearbook 22: 164-167.

Body, D. and Reid, B. 1983. Studies of the lipid, fatty acid and amino acid composition of the eggs of captive dwarf cassowary (*Casaurius bennetti*) to improve their breeding performance. New Zealand Journal of Zoology 10: 401-404.

Bradford, M., Dennis, A. and Westcott, David, A. 2008. Diet and dietary preferences of the southern cassowary (Casuarius casuarius) in North Queensland, Australia. Biotropica 40(3): 338-343.

Bradford, M. Westcott, D. 2010. Consequences of southern cassowary (Casuarius casuarius, L.) gut passage and deposition pattern on the germination of rainforest seeds. Austral Ecology 35(3): 325-333.

Bradford, M. and Wescott, D. 2011. Predation of cassowary dispersed seeds: is the cassowary an effective disperser? Biological Abstracts Integrative Zoology. 6(3):168-177.

Brodie, J. and Pangau-Adam, M. 2017. Human impacts on two endemic cassowary species in Indonesian New Guinea. Oryx 51(2): p. 354-360.

Campbell, H., Dwyer, R., Fitzgibbons, S., Klein, C., Laruidsen, G., McKeown, A., Ollson, A., Sullivan, S., Wats, M. and Westcott, D. 2012. Prioritising the protection of habitat utilised by southern cassowaries Casuarius casuarius johnsonii". Endangered species research. 17(1): 53-61.

Campbell, H., Dwyer, R., Sullivan, S., Mead, D. and Lauridsen, G. Chemical immobilisation and satellite tagging of free-living southern cassowaries. Australian veterinary journal 92(7):240-245.

Cassowary husbandry manual. [www.cassowary.com/workshop.html](http://www.cassowary.com/workshop.html)

Captive Management Guidelines for the Southern Cassowary Casuarius casuarius johnsonii

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Creagh, C. 1991. Cassowary hatching [Ecos-Australia 67:](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Ecos-Australia+in+SO) 29-30.

Crome, F,H,J. 1993. A catalogue of important Cassowary populations in the Wet Tropics.

Unpublished report to the Wet Tropics Management Authority.

Crome, F.H.J. and Bentrupperbaumer, J. 1991. Management of Cassowaries in the fragmented

rainforests of north Queensland. Unpublished report to the Endangered Species Programme of the Australian National Parks and Wildife Service.

Crome, F.H.J. and Moore, L.A. 1988. The Southern Cassowary in North Queensland – a pilot

study. Vols I-IV . Unpublished report prepared for the Queensland National Parks and Wildlife

Service and the Australian National Parks and Wildlife Service.

Crome, F.H.J. and Moore, L. A. 1990. Cassowaries in north-eastern Queensland: report of a

survey and a review and assessment of their status and conservation and management needs.

*Australian Wildlife Research* 17: 369–86.

Crome, F.H.J. and Moore, L.A. 1993. Cassowary populations and their conservation between the Daintree River and Cape Tribulation. II. Background, Survey Results and Analysis. Unpublished report to the Douglas Shire Council.

Crome F. 1976. Some observations on the biology of the Cassowary in northern Queensland. Emu 76: 8-14.

Crome, F. 1988. The cassowary’s casque. Emu 88: 123-124.

Crome F. and Moore L. 1990. Cassowaries in northeastern Queensland: Report of a survey and a review and assessment of their status and conservation and management needs. Australian

Wildlife Research 17(4): 369-386.

Department of the Environment, Water, Heritage and the Arts (Cwlth). 2009. EPBC Act Policy Statement 3.15 Significant Impact Guidelines for the endangered southern cossowary *(Casuarius casuarius johnsonii).*

Eliason, C and ClarkeJ. 2020. Cassowary gloss and a novel form of structural color in birds. Sci. Adv. 6, eaba0187

Ensley P; Launer D; and Blasingame J. 1984. General anesthesia and surgical removal of a tumor-like growth from the foot of a double-wattled cassowary. Journal-of-Zoo-Animal-Medicine 15(1): 35-37.

Fisher, G. 1968. Successful breeding of cassowaries at the Scottish National Zoological Park, Edinburgh. Avicultural Magazine 75: 181-184.

Fisher, GD 1968, ‘Breeding Australian Cassowaries at Edinburgh Zoo,’ International Zoo Yearbook, vol. 8(1), pp. 153-156.

Frith, C. and Frith, D. 1986. The cassowary at his nest. A photographic first. [Wildlife-in-Australia.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Wildlife-in-Australia+in+SO) 23(2): 8-9.

Johnson, A., Bino, R. and Igag, P. 2004. A preliminary evaluation of the sustainability of cassowary (Aves: Casuariidae) capture and trade in Papua New Guinea. Animal Conservation 7: 129-137.

Gardner, D. 1984. A note on the androgynous qualities of the cassowary: or why the Mianmin say it is not a bird. Oceania 55: 137-145.

Green, T. and Gignac, P. 2020. Osteological description of casque ontogeny in the southern cassowary (Casuarius casuarius) using micro-CT imaging. The Anatomical Record 1-19. DOI: 10.1002/ar.24477

Guthrie, A., Citino, S., Rooker, L., Zelazo-Kessler, A., Lim, A., Myers, C., Bolin, S. and Trainor, K. 2016. Eastern equine encephalomyelitis virus infection in six captive southern cassowaries (Casuarius casuarius). Journal of the American Veterinary Medical Association 249(3): 319-324.

Hamish A., Ross G., Fitzgibbons, S., Klein, C., Lauridsen, G., McKeown, A., Olsson, A., Sullivan, S., Watts, M. and Westcott, D. 2012. Prioritising the protection of habitat utilised by southern cassowaries Casuarius casuarius johnsonii Campbell. Endangered Species Research 17(1): 53-61.

Hickey, G. To be or not to be? A cassowary or a bird? 1985. [Australian-Natural-History](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Australian-Natural-History+in+SO) 21(9): 394.

Johnson, A., Bino, R. and Igag, P. 2004. A Preliminary Evaluation of the Sustainability of Cassowary (Aves: Casuariidae) Capture and Trade in Papua New Guinea. Animal Conservation 7: 129-137.

[Jorissen, F](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Jorissen-F+in+AU). 1978. The cassowary. North-Queensland Naturlist 45: 2-3.

Kinde H. 1988. A fatal case of oak poisoning in a double-wattled cassowary (*Casuarius casuarius*). Avian-Diseases 32(4): 849-851.

Kofron, C.P. 1999. Attacks to humans and domestic animals by the Southern cassowary

*(Casuarius casuarius johnsonii*) in Queensland, Australia. *Journal of Zoology* 249: 375–81.

Kofron, C. 2003. Case histories of attacks by the southern cassowary in Queensland. Memoirs of the Queensland Museum 49(1): 339-342.

[Kofron, C.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Kofron-Christopher-P+in+AU) and Chapman, A. 2006. Causes of mortality to the endangered southern cassowary Casuarius casuarius johnsonii in Queensland, Australia 12(3): 175-179.

Kutt, A.S., King, S., Garnett, S.T. and Latch, P. 2004. Distribution of cassowary habitat in the Wet Tropics bioregion, Queensland. Technical Report, Environmental Protection Agency, Brisbane.

Ladd, K. 1996. Cassowary bibliography. http://homepage.usask.ca/~kfl094/rat\_cass.htm

Latch, P. 2007. National recovery plan for the southern cassowary *Casuarius casuarius johnsonii.* Report to Department of the Environment, Water, Heritage and the Arts, Canberra. Environmental Protection Agency*.* [*http://www.environment.gov.au/biodiversity/threatened/publications/recovery/southern-cassowary/pubs/sth-cassowary.pdf*](http://www.environment.gov.au/biodiversity/threatened/publications/recovery/southern-cassowary/pubs/sth-cassowary.pdf)

Lamothe, L., Arentz, F. and Karimbaram, R. 1990. Germination of cassowary egested and manually defleshed fruit. Papua New Guinea Journal of Agriculture, Forestry and Fisheries 35(1-4): 37-42.

Leeds E. 1979. Tibial fracture repair in a double-wattled cassowary. Journal of Veterinary Orthopedics 1(1): 21-27.

Lint, K. 1957. Breeding of Double-wattled Cassowary. [Avicultural Magazine](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Avicult-Mag+in+SO) 63: 154.

Mack, A. 1995. Distance and non-randomness of seed dispersal by the dwarf cassowary *Casuarius bennetti*. Ecography 18: 286-295.

Mack, A. and Druliner, G. 2003. A non-intrusive method for measuring movements and seed dispersal in cassowaries. Journal Field Ornithology 74(2): 193-196.

Mack, A. and Jones, J. 2003. Low frequency vocalizations by cassowaries (*Casuarius* spp.) The Auk 129(4): 1062-1068.

Mason, A. 1996. A feeder for double wattled cassowary. Ratel 23(6): 187-188.

McIlroy, J.C. 2001. Overview of the impact of feral pigs, *Sus scrofa*, on the Australian Environment. In, Johnson, C.N. (ed) Feral pigs: Pest Status and Proposals for Control. Proceedings of a feral pig workshop, James Cook University, Cairns March 1999. Cooperative Research Centre for Tropical Rainforest Ecology and Management, Cairns.

McInerney, P.L., Lee, M.S.Y., Clement, A.M. et al. The phylogenetic significance of the morphology of the syrinx, hyoid and larynx, of the southern cassowary, Casuarius casuarius (Aves, Palaeognathae). BMC Evol Biol 19, 233 (2019) doi:10.1186/s12862-019-1544-7

Mironov, SV & Proctor, HC 2005, ‘A New Feather Mite Genus of the Family Psoroptoididae (Acari: Analgoidea) from Cassowaries,’ Journal of Natural History, vol. 39, no. 37, pp. 3297-3304.

Moore, L. A. and Moore, N. J. Pty. Ltd. 1999a. Cassowary Management Plan I. Daintree. Report to the Wet Tropics Management Authority.

Moore, L. A. and Moore, N. J. Pty. Ltd. 1999b. Cassowary Conservation Roads. A Cassowary

management strategy and road upgrade assessment for El Arish and Tully–Mission Beach Roads, Mission Beach. Unpublished Report to Department of Transport, Queensland.

Moore, L.A. and Moore, N. J. Pty. Ltd. 1999c. Regional Cassowary Management Plans. II

Kuranda. Wet Tropics Management Authority Cassowary Management Project.

Moore, L.A. and Moore, N. J. Pty. Ltd. 1999d. Cassowary Management Plan III. Innisfail. Report to the Wet Tropics Management Authority.

Moore, L.A. and Moore, N. J. Pty. Ltd. 1999e. Preliminary assessment of Cassowary habitat:

Cairns foothills. Report to the Wet Tropics Management Authority.

Moore, L.A. and Moore, N. J. Pty. Ltd. 1999f. Preliminary assessment of Cassowary habitat at

Mount Spec (Townsville). Report to the Wet Tropics Management Authority.

Moore, L.A. and Moore, N. J. Pty. Ltd. 2001. The Cassowaries of Mission Beach. Report to the

Wet Tropics Management Authority.

Moore, L. 2007. Population ecology of the southern cassowary *Casuarius casuarius johnsonii*, Mission Beach north Queensland. Journal of Ornithology 148(3): 357-366

O’Brian, R.M. 1990. Family Casuariidae: cassowaries. *In* Handbook of Australian, New Zealand and Antarctic Birds. Eds S. Marchant and P.J. Higgins). Oxford University Press.

Orosz S; Mullins J; and Patton S. 1992. Evidence of toxoplasmosis in two ratites. Journal of the Association of Avian Veterinarians 6(4): 219-222.

Pangau-Adam, M., Mühlenberg, M. and Waltert, M. 2015. Rainforest disturbance affects population density of the northern cassowary Casuarius unappendiculatus in Papua, Indonesia. Oryx 49(4): 735-742

Perron, R. 1992. The cassowary in captivity. International Zoo News 240: 5-14.

Perron, R. 2011. The taxonomic status of Casuarius bennetti papuanus and C. b. westermanni.

Biological Abstracts Bulletin of the British Ornithologists' Club. 131(1): 54-58.

Proctor, H. 2001. *Megninia casuaricola* sp. n. (Acari: Analgidae), the first feather mite from a cassowary (Aves: Struthioniformes: Casuariidae). Australian Journal of Entomology 40 (4): 335–341.

QPWS 2002 (Queensland Parks and Wildlife Service). *Recovery Plan for the Southern* Cassowary Casuarius casuarius johnsonii *2001–05.* Environmental Protection Agency, Brisbane.

QPWS 2003 (Queensland Parks and Wildlife Service). The status of cassowaries on Cape York

Peninsula. Unpublished Report to CY NHT, Department of Environment and Heritage.

33

Rand, A. 1950. Feather replacement in cassowaries. Auk 67: 378-379.

Recovery Plan for the Southern Cassowary (*Casuarius casuarius johnsonii*) 2001-2005. http://www.epa.qld.gov.au/publications/p00180aa.pdf/Recovery\_plan\_for\_the\_southern\_cassowary\_iCasuarius\_casuarius\_johnsonii/i\_20012005.pdf

Reid, B. 1978/79. History of domestication of the cassowary in Mendi Valley, Southern Highlands Papua New Guinea. Ethnomedizin Ethnomedicine V(3/4): 407-432.

Reid, B. 1981/82. The cassowary and the highlanders. Ethnomedizin Ethnomedicine VII (1-4): 49-240.

Reid, B. 1982. The cassowary as currency. New Zealand Journal of Ecology 5: 152-153.

Reid, B. 1987. Food intake and growth rate of cassowary chicks (*Cassuarius* spp) reared at Mendi, Southern Highland Papua New Guinea. International Zoo Yearbook 26: 189-198.

Richardson, K. 1991. The bony casque of the Southern Cassowary *Casuarius casuarius*. Emu 91: 56-58.

Romagnano, A., Hood, R., Snedeker, S. and Martin, S. 2012. Cassowary pediatrics. The veterinary clinics of North America. Exotic animal practice 15(2): p. 215-231.

Romer, L. 1997. Cassowary husbandry Manual. Sydney: Currumbin Sanctuary Conservation Unit, Australasian Association of Zoological Parks and Aquaria.

Sales, J. 2006. Nutrition of double-wattled cassowaries *Casuarius casuarius*. Zoos’ Print Journal 21(3): 2193-2196.

Sandall, M. 1986. Towards a natural taxonomy or why is the cassowary classified as a bird? [Anser.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Anser+in+SO) 25(1): 11-14.

Sapcota, D. 1999. Artificial hatching of a cassowary egg. Indian Veterinary Journal 76: 1117-1118.

Schmitt, E. 1983. Artificial incubation and rearing of cassowaries. AAZPA 1983 Regional Proceedings: 353-358.

Squire, R. 1993. The voice of the young cassowary. Australian Bird Watcher 15(1): 41.

Stefan, G. 1990. Sedation and Anesthesia of Casuarius sp. Journal of the Association of Avian Veterinarians 4 [3]: 156-157.

Stocker G and Irvine A. Seed dispersal by cassowaries *(Casuarius casuarius*) in North Queensland's rainforests. Biotropica 1983 15(3): 170-176.

Stoskopf, M., Beall, F., Ensley, P. and Neely, E. 1982. Immobilization of large ratites: blue-necked ostrich (*Struthio camelus austrelis*) and double-wattled cassowary (*Casuarius casuarius*) with hematologic and serum chemistry data. Journal Zoo Animal Medicine 13: 160-168.

[Stott, K.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Stott-KW-Jr+in+AU) 1981. The very wary cassowary. [Zoonooz](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Zoonooz+in+SO) 54(4): 5-7.

Stocker, G.C. and Irvine, A.K. 1983. Seed dispersal by cassowaries (*Casuarius casuarius*) in north Queensland rainforests. *Biotropica* 15: 170–76.

Taylor, E. L., et al (2000). Genetic evidence for mixed parentage in nests of the emu (Dromaius novaehollandiae). Behavioural Ecological Sociobiology 47: 359-364.

Unwin, S. 2004. Physical and Anaesthetic Restraint of Macropods, Koalas and Cassowaries – Some Practical Tips. *In* European Association of Zoo and Wildlife Veterinarians (EAZWV) 5th Scientific Meeting, May 19-23 2004, Ebeltoft. Denmark.

Webber, B.L. and Woodrow, I.E. 2004 Cassowary frugivory, seed defleshing and fruit fly infestation influence the transition from seed to seedling in the rare Australian rainforest tree, *Ryparosa* sp. nov. 1 (Achariaceae). *Functional Plant Biology* 31: 505–16.

Westcott, D. A. 1999. Counting cassowaries what does Cassowary sign reveal about their

abundance? *Wildlife Research* 26:61–8.

Westcott, D.A. and Reid, K. 2002. Use of medetomidine for capture and restraint of *cassowaries*

*(Casuarius casuarius*). *Australian Veterinary Journal* 80:150–3.

Westcott, D., Setter, M., Bradford, M., McKeown, A. and Setter, S. 2008. Cassowary dispersal of the invasive pond apple in a tropical rainforest: the contribution of subordinate dispersal modes in invasion Diversity and Distributions 14(2): 432-439

White,C. 1975. The problem of the cassowary in Seran. [Bulletin Br. Orn. Club](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Bulletin-Br-Orn-Club+in+SO) 95(4): 165-170.

[White,C.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=White-CMN+in+AU) 1976. The problem of the cassowary in New Britain. [Bulletin Br. Orn. Club.](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Bulletin-Br-Orn-Club+in+SO) 96(2): 66-68.

Whitehead, M. and Masson, G. 1984. Notes on the double-wattled cassowary *(Casuarius casuarius*) at Twycross Zoo, U.K.. Proceedings the ninth annual symposium of the Association of British Wild Animal Keepers: 51-55.

[Wilmot, J](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Wilmot-J+in+AU). 1979. Cassowary conservation and management. [Wildlife-in-Papua-New-Guinea](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Wildlife-in-Papua-New-Guinea+in+SO) 79(1): 52-59.

Worell, E. and Drake, B. 1975. Breeding the Australian cassowary (*C. casuariius*) at the Australian Reptile Park, Gosford. International Zoo Yearbook 15:

[Young, HG](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Young-HG+in+AU) and [Kilkenny, M](http://web5.silverplatter.com/webspirs/doLS.ws?ss=Kilkenny-M+in+AU). 1984. Breeding history and husbandry of twin-wattled cassowary at Edinburgh Zoo, Scotland. [International Zoo News](http://web5.silverplatter.com/webspirs/doLS.ws?ss=IZN-International-Zoo-News+in+SO)  31(4): 10-14.

**Kiwi**

Abourachid, A. , Castro, I. and Provini, P. 2019. How to walk carrying a huge egg? Trade‐offs between locomotion and reproduction explain the special pelvis and leg anatomy in kiwi (Aves; Apteryx spp.). J. Anat.. doi:10.1111/joa.13072

Adams, L. 2005. Re-introduction of kaka, kiwi & kokako to Pukaha/Mt Bruce forest, New  
Zealand. Re-introduction News 24: 38-40.

Baker, A.J., Daugherty, C.H., Colbourne, R., McLennan, J.A. 1995. Flightless brown kiwis of New Zealand possess extremely subdivided population structure and cryptic species like small mammals. Proceedings of the National Academy of Science, USA 92: 8254-8258.

Billing, T. January 1998. Kiwi Workshop Proceedings. Auckland Zoo. New Zealand.

Boardman, W. 2008. Veterinary care of kiwi. *In*: Fowler, Murray E.; Miller, R. Eric [Eds]. Zoo and wild animal medicine: current therapy. Volume six. Saunders Elsevier, St Louis. 2008: i-xv, 1-495.  Chapter pagination: 214-221.

Brader, K. 2005. Kiwi captive and in the wild. Animal Keepers' Forum 32(12): 578-584.

Brader, K. 2007, 2010, 2013, 2018. NORTH AMERICA AND EUROPE STUDBOOK FOR BROWN KIWI *Apteryx mantelli.* Smithsonian’s National Zoo

Burbidge, M.L., Colbourne, R.M.; Robertson, H.A.; Baker, A.J. 2003: Molecular and other biological evidence supports recognition of at least three species of brown kiwi. *Conservation Genetics 4*: 167–177.

Calder, W.A. 1978. The kiwi. Scientific American. 239: pg 102-110.

Calder, W.A. 1979. The kiwi and egg design: evolution as a package deal. Bioscience 29. pg. 461-467.

Carey, C., Rahn, H. and Parisi, P. 1980. Calories, Water, Lipid and Yolk in Avian Eggs. The Condor 82 (3) 3: 335-343.

Castro, I., Cunningham, S., Gsell, A., Jaffe, K., Cabrera, A. and Liendo, C. 2010. Olfaction in birds: a closer look at the kiwi (Apterygidae). Journal of Avian Biology. 41(3):213-218.

Calder, W. and Dawson, J. 1978. Resting metabolic rates of ratite birds: The kiwis and the emu. Comparative Biochemistry and Physiology Part A: Physiology 60(4): 479-481.

Clark, W. 1982. North Island Kiwi, *Apteryx australis mantelli* (Apterygiformes: Aves): a new host for Toxocara cati (Nematoda: Ascaridoidea) in New Zealand. Journal of Parasitology 68 (1): 175-176.

Clayton, L.J. 1972. Breeding and behaviour of the kiwi at Sydney Zoo. International Zoo Yearbook 12: 134-136.

Cockrem, J., Goudswaard, R., Sibley, M., Fox, E., Johnson, T. and Bell, M. 1992. The breeding season of three species of kiwi (Apteryx ) in captivity as determined from egg-laying dates. Journal of Zoology 226(1): 95-107.

Colbourne, R., Bassett, S., Billing, T., McCormick, H., McLennan, J., Nelson, A. and Robertson, H. 2005. The development of Operation Nest Egg as a tool in the conservation management of kiwi. Science for Conservation Wellington 259: 1-24.

Colbourne, R. and Kleinpaste, R. 1984. North island Brown Kiwi Vocalizations and their use in censusing populations. Notornis. Vol. 31: 191- 201.

**Colbourne, R. and Powlesland, R. 1988. Diet of the Steward Island brown kiwi (*Apteryx australis lawreyi*) at Scollay’s flat, southern Stewart Island. New Zealand Journal of Ecology 11: 99-104.**

**Cooper, A., Mourer-Chauvire, C., Chambers, G., von Haeseler, A., Wilson, A. Paabo, S. 1992.** Independent origins of New Zealand moas and kiwis. Proc. Natl. Acad. Sci. 89: 8741-8744.

Colbourne, R. and Kleinpaste, R. 1984. North Island brown kiwi vocalizations and their use in censusing populations. Notornis 31: 191-201.

Colbourne, R.and Powlesland, R. 1988. Diet of the Stewart Island brown kiwi (*Apteryx australis lawryi*) at Scollay’s flat, Southern Stewart Island. New Zealand Journal of Ecology 11: 99-104.

Colbourne, R. 1992. Little spotted kiwi (*Apteryx owenii*): recruitment and behaviour of juveniles on Kapiti Island, New Zealand. Journal of the Royal Society of New Zealand 22: 321-328.

Colbourne, R. 2002. Incubation behaviour and egg physiology of kiwi (*Apteryx spp*.) in natural habitats. New Zealand Journal of Ecology 26(2): 129-138.

Colbourne, R. 2005. Kiwi (Apteryx spp.) on offshore New Zealand islands. Populations,  
translocations and identification of potential release sites. DOC Research and- evelopment Series. 208: 1-24.

Corfield, J., Eisthen, H., Iwaniuk, A. and Parsons, St. 2014. Anatomical specializations for enhanced olfactory sensitivity in kiwi, Apteryx mantelli. Brain, behavior and evolution. 84(3): 214-226.

Corfield, J., Kubke, M., Parsons, S. and Koeppl, C. 2012. Inner-Ear Morphology of the New Zealand Kiwi (Apteryx mantelli) Suggests High-Frequency Specialization. Journal of the Association for Research in Otolaryngology 13(5): 629-639.

Corfield,J., Gillman, L. and Parsons, S. 2008. Vocalizations of the North Island Brown Kiwi (*Apteryx mantelli*).  Auk. 125(2): 326-335.

Corfield, J. R., Parsons, S., Harimoto, Y., & Acosta, M. L. 2015. Retinal anatomy of the new zealand kiwi: Structural traits consistent with their nocturnal behavior Anatomical record.  298(4): 771-779

Czeika, S.,Taborsky, B., and Taborsky, M. 1994. Food distribution and habitat selection in brown kiwi *Apteryx australis*. Journ. Fur Ornith. 135 (Supplement): 171.

Cunningham, S., Castro, I. and Alley, M. 2007.   A new prey-detection mechanism for kiwi (Apteryx spp.) suggests convergent evolution between paleognathous and neognathous birds.  Journal of Anatomy. 211(4): 493-502.

Cunningham, S. 2011. The secret life of wild brown kiwi: studying behaviour of a cryptic species by direct observation. Biological Abstracts New Zealand Journal of Ecology. 35(3): 209-219.

Davis, G., Watson, P. and Billing, A. 1984. Tuberculosis in a kiwi (*Apteryx mantelli*). New Zealand Veterinary Journal. 32 (3): 30.

Department of Conservation. 1996-2006. Kiwi Recovery Plan. Wellington, New Zealand. <http://www.savethekiwi.org.nz/NR/rdonlyres/4C0FB408-1525-461E-8F5F-09649F8D5211/0/TSRP50.pdf>

Department of Conservation. 2004. Captive Management plan for Kiwi. Wellington, New Zealand. <http://www.doc.govt.nz/upload/documents/science-and-technical/tsop24.pdf>

Department of Conservation. 2006. Saving our Kiwi. Wellington, New Zealand.

<http://www.doc.govt.nz/publications/conservation/native-animals/birds/saving-our-kiwi/>

du Toit CJ, Chinsamy A, Cunningham SJ. 2020 Cretaceous origins of the vibrotactile bill-tip organ in birds. Proc. R. Soc. B 287: 20202322. <https://doi.org/10.1098/rspb.2020.2322>

Farner, D., Chivers, N., and Riney, T. 1956. The body temperature of the North Island Kiwi. Emu 56: 199-206.

Fraser, I. and Johnson, T. 2009. Brown Kiwi (*Apteryx mantelli*) husbandry manual.

Gartrell, B., Alley, M. and Mitchell A. 2005 Fatal levamisole toxicosis of captive kiwi (*Apteryx mantell*i). New Zealand veterinary journal. 53 (1): 84-86.

Gasthys, F. and DeMeurichy, E. 1987. Successful ventriculostomy for removal of foreign bodies in a kiwi *Apteryx australis mantelli*. Journal Zoo Animal Medicine 18: 166-167.

Goudswaard, R. 1985. Breeding of the North Island brown kiwi (*Apteryx australis mantelli*) at the Wellington Zoo. Thylacinus 10: 9-19.

Grezelewski, Derek. 2000. Kiwi-icon in trouble. New Zealand Geographic. Number 45:66-97. Australian Consolidated Press, Auckland, New Zealand.

Gurr, L. 1952. Some food of the North Island kiwi (*Apteryx australis*). Notornis 4: 209-210.

Heath, A. 2010. A review of ectoparasites of Apteryx spp. (kiwi) in New Zealand, with new host records, and the biology of Ixodes anatis (Acari: Ixodidae). Biological Abstracts Tuhinga (21): 147-159.

Herbert, J. and Daugherty, C. 1994. Genetic variation, systematics and management of Kiwis. Report to Threatened Species Trust, New Zealand Dept. of Conservation, Wellington, NZ.

Hill F., Woodgyer, A. and Lintott, M. 1995. Cryptococcosis in a North Island brown kiwi (*Apteryx australis mantelli*) in New Zealand. Journal of Medical and Veterinary Mycology 33 (5):305-309.

Holmes, T., Hankey, L. and Oliver, S. 1999. Captive Management Plan for North Island Brown Kiwi. New Zealand Conservation Management Group. New Zealand.

Huynen, L., Miles, J., and Lambert, D. 2006. Unusual electrophoretic mobility of a DNA fragment of the universal 'non-ratite' sexing marker CHD allows sexing of New Zealand's endangered kiwi ratite Apteryx spp. Ibis 148(1): 167-168.

Jensen, T. and Durrant, B. 2006. Assessment of reproductive status and ovulation in female brown kiwi (Apteryx mantelli) using fecal steroids and ovarian follicle size. Zoo Biology 25(1): 25-34.

Jensen, T., Nutt, K., Seal, B., Fernandes, L. and Durrant, B. 2008.   Isolation and characterization of microsatellite loci in the North Island brown kiwi, *Apteryx mantelli*.  Molecular Ecology Resources. 8(2): 399-401.

Jensen T, Jamieson SE, Castro I, Gartrell B, Cockrem JF, Durrant B. Serum prolactin and testosterone levels in captive and wild brown kiwi (Apteryx mantelli) during the prebreeding, breeding, and incubation periods. Zoo Biology. 2019;1– 5. https://doi.org/10.1002/zoo.21484

Corfield, J., Kubke, M., Parsons, S. and Koeppl, C. 2012. Inner-Ear Morphology of the New Zealand Kiwi (Apteryx mantelli) Suggests High-Frequency Specialization. Journal of the Association for Research in Otolaryngology 13(5): 629-639.

Johnson, Tracy. 1996. Husbandry Manual for North Island Brown Kiwi.

Jones, B. 2006. Assessing the effectiveness of a Department of Conservation procedure for  
training domestic dogs to avoid kiwi. Science for Conservation Wellington 267: 1-33.

Kleinpaste, R. and Colbourne, R. 1983. Kiwi food study. New Zealand Journal Ecology 6: 143-144.

Kiwi Genome. Available at:*.* http://www. bioinf.uni-leipzig.de/~studla/KIWI-HOX/

Lange, J., and Lenzner, T. 2005. Haltung und Zucht von Kiwis im Zoo Berlin. (Care and breeding of kiwis in Berlin Zoo.) Bongo 35: 77-82.

Le Duc, D., Renaud, G., Krishnan, A., & Almén, M. S. 2015. Kiwi genome provides insights into evolution of a nocturnal lifestyle. Genome biology*:* 16(1): 147

McGowan, C. 1979. The hind limb musculature of the brown kiwi *Apteryx australis mantelli* and its bearing on ratite affinities. Journal Zoology 197: 173-219.

McLennan, J and McCann, A. 1991. Incubation temperatures of great spotted kiwi, *Apteryx haastii*. New Zealand Journal of Ecology 15(2): 163-166.

McLennan, J.A., Rudge, M.R. and Potter, M.A. 1987. Range size and denning behaviour of brown kiwi, Apteryx australis mantelli, in Hawke's Bay, New Zealand. New Zealand Journal of Ecology 10: 97 - 107.

McLennan, J., Dew, L., Miles, J., Gillingham, N. and Waiwai, R. 2004. Size matters: predation risk and juvenile growth in North Island brown kiwi (*Apteryx mantelli*). New Zealand Journal of Ecology 28(2): 241-250.

McLennan, J. 1988. Breeding of North Island brown kiwi *Apteryx australis mantelli* in Hawke’s Bay, New Zealand. New Zealand Journal of Ecology 11: 89-97.

Minson, C. Potter, M., Thomas, D. and Lentle, R. 2008. The formulation of a near-natural diet for captive kiwi.   Australian Journal of Experimental Agriculture. 48(10): xxiii.

Mitchel, K., Bastien, L., Soubrier, J., Rawlence, N., Worthy, T., Wood, J., Lee, M. and Cooper, A. 2014. Ancient DNA reveals elephant birds and kiwi are sister taxa and clarifies ratite bird evolution. 244(6286): 898-900.

Moore, B., Paul-Murphy, J., Tennyson, A. and Murphy, C. 2017. Blind free-living kiwi offer a unique window into the ecology and evolution of vertebrate vision. BMC biology. 15 (1). DOI 10.1186/s12915-017-0424-0

Morgan, K., Alley, M., Pomroy, W., Castro, I. and Howe, L. 2012. Enteric coccidiosis in the brown kiwi (Apteryx mantelli). Parasitology Research 111(4): 1689-1699.

Peat, Neville.1990. The Incredible Kiwi. A Wild South Book. Auckland New Zealand.

Peat, Neville. 1999. Kiwi New Zealands Remarkable Bird. Random House. New Zealand.

Peat, Neville. 2000. Stewart Island. University of Otago Press. Dunedin. New Zealand.

Peat, Neville, 2006. Kiwi The People’s Bird. Otago University Press. Dunedin, New Zealand.

Potter M. and Cockrem, J. 1992. Plasma levels of sex steroids in the North Island brown kiwi (*Apteryx australis mantelli)* in relation to time of year and stages of breeding. General and Comparative Endocrinology. 87 (3): 416-424.

Potter, M., Lentle, R., Minson, C., Birtles, M., Thomas, D. and Hendriks, W. 2006. Gastrointestinal tract of the brown kiwi (Apteryx mantelli). Journal of Zoology London 270(3): 429-436.

Potter,M., Hendriks,W., Lentle,R., Thomas,D., Minson,C. and Pindur, N. 2010. An Exploratory Analysis of the Suitability of Diets Fed to a Flightless Insectivore, the North Island Brown Kiwi (Apteryx mantelli),in New Zealand. Zoo Biology 29: 537–550.

Prier, E., Gartrell, B., Potter, M., Lopez-Villalobos, N. and McLennan, J. 0213. Characterization of hatch-size and growth rates of captive and wild-reared brown kiwi chicks. Zoo biology 32(5): 541-548.

Prinzinger R. and Dietz V. 2002. Pre and postnatal energetics of the North Island brown kiwi (*Apteryx mantelli*). Comparative biochemistry and physiology 131(4): 725-732.

Ramón-Laca A, White DJ, Weir JT, Robertson HA. Extraction of DNA from captive-sourced feces and molted feathers provides a novel method for conservation management of New Zealand kiwi (Apteryx spp.). Ecol Evol. 2018;00:1–12. <https://doi.org/10.1002/ece3.3795>

Reid, B. 1971. The weight of the kiwi and its egg. Notornis 18: 245-249.

Reid, B. 1971. Composition of a kiwi egg. Notornis 18: 250-252.

Reid, B. 1981. Size discrepancy between eggs of wild and captive brown kiwis (*A.a. mantelli*). Notornis 28: 281-287.

Reid, B., Ordish, R. and Harrison, M. 1982. An analysis of the gizzard contents of 50 North Island brown kiwis (*Apteryx australis mantelli*) and notes on feeding observations. New Zealand Journal of Ecology 5: 76-85.

Robertson, H., McLennan, J., Colbourne, R. and McCann, A. 2005. Population status of great spotted kiwi (Apteryx haastii) near Saxon Hut, Heaphy Track, New Zealand. Notornis 52(1): 27-33.

Robertson, H., Colbourne, R., Nelson, A. and Westbrooke, I. 2006. At what age should brown kiwi (Apteryx mantelli) eggs be collected for artificial incubation? Notornis 53(2): 231-234.

Robertson, H., Colbourne, R. and Graham, P. 2011. Experimental management of Brown Kiwi Apteryx mantelli in central Northland, New Zealand. Biological Abstracts Bird Conservation International. 21(2): 207-220.

Rowe, B. 1978. Incubation temperatures of the North Island brown kiwi (*Apteryx australis mantelli)*. Notornis 25: 213-217.

Sales, J. 2006. Feeding of the captive kiwi. Zoos' Print Journal 21(11): 2454-2458.

Sales, J. The endangered kiwi: a review. 2005. Folia Zool.54(1–2): 1–20.

Shaw, S. and Billing, T. 2006. Karaka (Corynocarpus laevigatus) toxicosis in North Island brown kiwi   (Apteryx mantelli). Veterinary Clinics of North America Exotic Animal Practice 9(3): 45-549.

Shepherd, L. and Lambert, D. 2006. Nuclear microsatellite DNA markers for New Zealand kiwi (Apteryx spp.).Molecular Ecology Notes 6(1): 227-229.

Shepherd, L. and Lambert, D. 2008.   Ancient DNA and conservation: lessons from the endangered kiwi of New Zealand.   Molecular Ecology 17(9: 2174-2184.

Taborsky, B. and Tarorsky, M. 1991. Spatial organization of North Island brown kiwi *Apteryx australis mantelli:* long-term pairs and three types of male spacing behavior. Ethology 89: 47-62.

Taborsky, B. and Tarorsky, M. 1992. Social organization of North Island brown kiwi *Apteryx australis mantelli:* sex, pairing status and territoriality. Ibis 134: 1-10.

Taborsky, B and Taborsky, M. 1995. Habitat use and selectivity by the brown kiwi (A*pteryx australis mantelli*) in a patchy environment. Auk. 112(3) 680-689.

Taborsky, B. and Taborsky, M. 1999. The mating system and stability of pairs in kiwi Apteryx spp. Journal of Avian Biology 30(2): 143-152.

Taborsky, M. 1994. Reproductive energetics of brown kiwi *Apteryx australis*. Jour. Fur Ornith 135: 107.

Taylor, H., Nelson, N. and Ramstad, K. 2014. Chick Timer™ software proves an accurate disturbance minimising tool for monitoring hatching success in little spotted kiwi (Apteryx owenii). New Zealand Journal of Zoology. Volume 41 (2): 139-146.

vander Berge, J. 1982. Notes on the mycology of the pelvic limb in kiwi (*Apteryx*) and other birds. Auk 99: 309-315.

Weir, J., Oliver, H., Hugh, R., Colbourne, R. and Baker, A. 2016. Explosive ice age diversification of kiwi. Proceedings of the National Academy of Sciences of the United States of America 113 (38) doi: 10.1073/pnas.1603795113

Wenzel, B. 1970. Olfactory sensation in the kiwi and other birds. Annual New York Acadamy of Science 188: 183-193.

Wightman, P., Wightman, P., Cohen, E., Hunter, S., & Gartrell, B. 2015. Imaging Diagnosis of Radiography and Computed Tomography In The Diagnosis af a Mineralized Yolk Sac in a Brown Kiwi (*Apteryx mantelli*) Veterinary radiology & ultrasound: 56(4): 40-43.

Ziesemann, B., Brunton, D. and Castro, I. 2011. Nesting success and breeding ecology in a high-density population of Brown Kiwi (Apteryx mantelli). Biological Abstracts Emu 111(2):. 148-154.

**General Ratite**

<http://www.poultryu.umn.edu/PublicationsandResources/RatiteManagement/index.htm>

<http://www.nal.usda.gov/awic/pubs/livestock/lvstrati.htm>

Angel, R. 1996. A review of ratite nutrition. Animal Feed Science and Technology 60: 241-246.

Angel, C. R., Scheideler, S. and Sell, J. 1996. Ratite Nutrition. *In*: Tully, T. and Shane, S. (eds). Ratite Management, Medicine and Surgery. Krieger Publishing Company, Malabar, Florida.

Abourachid, Anick and Sabine Renous. 2000.Bipedal locomotion in ratites (Paleognatiform): examples of cursorial birds IBIS. 142(4): 538-549.

AZA Regional Collection Plan, Ratites and Tinamiformes. [www.aza.org](http://www.aza.org)

Bello A, Frei S, Peters M, Balkema-Buschmann A, Baumgärtner W, Wohlsein P. 2017. Spontaneous diseases in captive ratites (Struthioniformes) in northwestern Germany: A retrospective study. PLoS ONE12(4): e0173873. <https://doi.org/10.1371/journal.pone.0173873>

Blue-McLendon, A. 1992. Clinical examination of ratites. Proceedings of Association of Avian Veterinarians: 313-315.

Blue-McLendon, A. 1994. Basic techniques of ratite restraint and handling. Proceedings of Association of Avian Veterinarians: 309-311.

Bock, W. 1963. The cranial evidence for ratite affinities. Proc. 13 Intern. Ornithol. Congr.: 39-54.

Brennan, P. and Prum, R. 2012. The erection mechanism of the ratite penis. Biological Abstracts Journal of Zoology (London). 286(2): 140-144.

Bruning, D. and Dolensek, E. 1986. Ratites. *In* Fowler, M (ed) Zoo and Wild Animal Medicine, Philadelphia, WB Saunders : 277-291.

Cho, P., Brown, R. and Anderson, M. 1984. Comparative gross anatomy of ratites. Zoo Biology 3: 133-144.

Cloete, S., Brand, T., Hoffman, L., Brand, Z., Engelbrecht, A., Bonato, M., Glatz, P. and Malecki, I. 2012. The development of ratite production through continued research. Worlds Poultry Science Journal 68(2): 323-334.

[Cooper, R.G.](http://apps.webofknowledge.com/OneClickSearch.do?product=ZOOREC&search_mode=OneClickSearch&colName=ZOOREC&SID=3Alt3fuBvqg448AV7Si&field=AU&value=Cooper,%20R.G.&ut=ZOOREC:ZOOR14802007173&pos=1&excludeEventConfig=ExcludeIfFromFullRecPage) **Editors:** [Glatz, P.;](http://apps.webofknowledge.com/OneClickSearch.do?product=ZOOREC&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=ZOOREC&SID=3Alt3fuBvqg448AV7Si&field=ED&value=Glatz,%20Phil) [Lunam, C., and](http://apps.webofknowledge.com/OneClickSearch.do?product=ZOOREC&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=ZOOREC&SID=3Alt3fuBvqg448AV7Si&field=ED&value=Lunam,%20Christine) [Malecki, I.](http://apps.webofknowledge.com/OneClickSearch.do?product=ZOOREC&search_mode=OneClickSearch&excludeEventConfig=ExcludeIfFromFullRecPage&colName=ZOOREC&SID=3Alt3fuBvqg448AV7Si&field=ED&value=Malecki,%20Irek) 2011. The welfare of farmed ratites. Animal Welfare Volume 11: 147-164

Cooper, A., Lalueza-Fox, C., Anderson, S., Rambaut, A., Austin, J. and Ward, R. 2001. Complete mitrochondrial sequences of two extinct moas clarify ratite evolution. Natures 409: 704-707.

Cracraft J. 1974. Phylogeny and evolution of the ratite birds. Ibis 116(4): 494-521.

Croal, M. and Soley, J. 2012. What prevents Struthio camelus and Dromaius novaehollandiae from choking? A novel anatomical mechanism in ratites, the linguo-laryngeal apparatus. Frontiers in Zoology 9(1) doi <https://frontiersinzoology.biomedcentral.com/articles/10.1186/1742-9994-9-11>

Curro, T., Langenberg, J. Paul-Murphy, J. 1992. A review of lameness in long-legged birds. Proceedings Association of Avian Veterinarians: 265-270.

Davies, S.J.J.F. 2002. Ratites and Tinamous. Oxford University Press

del Hoyo, J., Elliott, J. and Sargatal, J. 1992. Order Struthioniformes. In: Handbook of the birds of the World. Vol 1. Lynx Edicions, Barcelona, 75-110.

Drenowatz, C, Editor. 1995. The ratite encyclopedia: Ostrich, emu, rhea. 1st ed. San Antonio: Ratite Records..

Elzanowski, A. 1988. Ontogeny and evolution of the ratites. Proc. 19th Intern. Ornithol. Congr.: 2037-2046.

Elrod, C. and Wilborn, H. 1995. The Ratite Encyclopedia Ostrich, Emu, Rhea. Ratite Records, Inc., San Antonio, TX

Flieg, G. 1973. Nutritional problems in young ratites. International Zoo Yearbook 13: 58-163.

Frei, S. 2015. Comparative digesta retention patterns in ratites. The Auk 132 (1):p. 119-131.

Fowler M. 1991. Comparative clinical anatomy of ratites. Journal of Zoo and Wildlife Medicine 22(2): 204-227.

Gilsleider, E. 1993. Common abdominal surgeries in ratites. Proceedings Association of Avian Veterinarians;: 272-274.

Gilsleider, E. 1994. Ratite orthopedica. Seminars in Avian and Exotic Pet Medicine 3: 81-91.

Glatz, P. and Miao, Z. 2008. Husbandry of ratites and potential welfare issues: a review. Abstracts Australian Journal of Experimental Agriculture. 48(10): 1257-1265.

Grimes, J. and Arizmendi, F. 1994. Case reports of ratite chlamydiosis: An update on the chlamydias. Proceedings Association of Avian Veterinarians: 133-140.

Guittin, P**. 1986. Bow leg syndrome in ratite birds..** Avicultural magazine v.92(2): p.70-79. illus. (1986)

Hallager, S. 2011. Big Birds with Big Problems! Animal Keepers Forum 38(11): 568 – 573.

Handford, P. 1985. The mating systems of ratites and tinamous: an evolutionary perspective. Biological Journal of the Linnean Society: 25: 77-104.

Härlid, A., A. Janke, and U. Arnason. 1997. The mtDNA sequence of the ostrich and the divergence between paleognathous and neognathous birds. Molecular Biology and Evolution 14:754-761.

Harshman, J., Braun, E., Braun, M., Huddleston, C., Bowie, R., Chojnowski, J., Hackett, S., Han, Kin-Lan, Kimball, R.,Marks, B., Miglia, K., Moore, W., Reddy, S., Sheldon, F., Steadman, D., Steppan, S., Witt, C. abd Yuri, T. 2008. Phylogenomic evidence for multiple losses of flight in ratite birds. Proceedings of the National Academy of Sciences of the United States of America. 105(36). SEP 9 2008: 13462-13467.

Hicks, KD. 1992. Ratite reproduction. Proceedings Association of Avian Veterinarians: 318-325.

Houde, P. 1986. Ostrich ancestors found in the North Hemisphere suggest new hypothesis of ratite origins. Nature 324 (11): 563-565.

Huynen, L., Millar, C. and Lambert, D. 2002. A DNA test to sex ratite birds. Molecular Ecology 11: 851-856.

Jehl, J. 1971. The color patterns of downy young ratites and tinamous. Trans. San Diego Soc. Nat. Hist. 16: 291-302.

Jensen, J. M.; Fowler, M. 1993. **Infectious and parasitic diseases of ratites.**Zoo and Wild Animal Medicine*.* Philadelphia: W.B. Saunders: 200-203.

Jensen, JM, Johnson, JH, and Weiner, ST. 1992. Husbandry and medical management of ostriches, emus and rheas. Texas Wildlife and Exotic Animal Teleconsultants: 1-114.

Kjelland, M., Blue-McLendon, A. and Kraemer, D. 2012. Determining air cell location and embryo development in opaque shelled eggs. Avian Biology Research 5(2): 99-102.

Malecki, I., Rybnik, P. and Martin, G. 2008. Artificial insemination technology for ratites: a review. Australian Journal of Experimental Agriculture. 48(10): 1284-1292.

Maloney, S. 2008. Thermoregulation in ratites: a review. Australian Journal of Experimental Agriculture. 48(10): 1293-1301.

Martin, J. and Speer, B. 1993. Restraint and techniques of ratites for the veterinary technician. 1993 Proceedings of Association of Avian Veterinarians: 369-380.

Mohan, R. 1993. Mycoplasma in ratites. Proceedings Association of Avian Veterinarians; 94-296.

Morinha F, Morinha F, Cabral J, Martins S, Cruz E. 2015. Evolution in the molecular sexing of ratite birds: identification and analysis of new candidate sex-linked markers. Avian biology research 8:145.

Noble, J. 1991. On ratites and their interactions with plants. Revista Chilena de Historia Natural 64: 85-118.

Payne, H. 1993. Welfare of ostriches and other ratites during transport. State Veterinary Journal 3(4): 8-12.

Phillips, M., Gillian, C., Crimp, E. and Penny, D. 2019. Tinamous and Moa Flock Together: Mitochondrial Genome Sequence Analysis Reveals Independent Losses of Flight among Ratites". Systematic biology 59(1): 90-107.

Phillips P and Sanborn A. 1994. An Infrared, Thermographic Study of Surface-Temperature in three Ratites - Ostrich, Emu and Double-wattled cassowary. Journal of Thermal Biology 19(6): 423-430.

Plowman, A., Chaiwan, N. and Gregson, J. 2013. Welfare of Ratites and Marabou Stork in Mixed Mammal/Bird Exhibits. Animal Keepers Forum 40 (4 & 5): 218-229.

Prager E; Wilson A; Osuga D; and Feeney R. 1976. Evolution of flightless land birds on southern continents: transferrin comparison shows monophyletic origin of ratites. Journal of Molecular Evolution 8(3): 283-294.

Rae, M. Degenerative myopathy in ratites.1992. Proceedings of the Annual Conference of the Association of Avian Veterinarians: 328-335.

Raising Emus and Ostriches 1997. <http://www.nal.usda.gov/afsic/AFSIC_pubs/srb9706.htm>

Reece R and Butler R. 1984. Some observations on the development of the long bones of ratite birds. Australian Veterinary Journal 61(12): 403-405.

[Rothschild, B.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Rothschild-BM+in+AU) and [Ruehli, F.](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Ruehli-FR+in+AU) 2007. Comparative frequency of osseous macroscopic pathology and first report of gout in captive and wild-caught ratites. [Journal of Veterinary Medicine](http://web51.silverplatter.com/webspirs/doLS.ws?ss=Journal-of-Veterinary-Medicine-Series-A+in+SO) 54(5): 265-269.

Sales, J. 2006. Digestive physiology and nutrition of ratites. Avian and Poultry Biology Reviews 17: 41–55.

Samour J., Markham J; and Nieva O. 1984. Sexing ratite birds by cloacal examination. Veterinary Record 115(8): 167-169.

Samuel, F., Sylvia, O., Christoph, R., Michael, K., Jean-Michael, H. and Marcus, C. 2015. Comparative digesta retention patterns in ratites. The Auk 132(1): 119-131.

Sauer, E. 1972. Ratite eggshells and phylogenetic questions. Bonn Zool. Beitr. 23; 3-48.

Scheideler S and Angel R. 1994. Feeding big birds. Large Animal Veterinarian 49(2): 28, 30.

Scheideler S and Angel R. 1994. Big bird feeding. Feed Management 45(1): 36-40.

Scheideler, SE. 1994. Nutrition of ratites and psittacines. Proceedings Association of Avian Veterinarians: 319-324.

Sibley C and Frelin C. 1972. The egg white protein evidence for ratite affinities. Ibis 114(3): 377-387.

Stewart, J. 1992. Overview of the ratite industry: past, present and future. Proceedings Association of Avian Veterinarians: 304-306.

Takagi, N., Itoh, M. and Saski, M. 1972. Chromosome studies in four species of Ratitae (Aves). Chromosoma 36: 281-291.

Tully, T. and Shane, S. (eds). Ratite Management, Medicine and Surgery. 1996. Krieger Publishing Company, Malabar, Florida.

Wade, J. 1992. Ratite Pediatric medicine and surgery. Proceedings of Association of Avian Veterinarians: 340-353.

Weeks, S. and Bush, M. 1974. Sexing ratites. International Zoo Yearbook 14: 141-142.

Wiley, C. 1993. **Dinosaurs to ratites in only 250 million years. L**ive Animal Trade and Transport Magazine 5(2):5-16.

**Extinct Ratites**

Amadon, D. **An estimated weight of the largest known bird.** The Condor49 (4): 159-164.

Anderson, A. 1989. Prodigious Birds: moas and moa hunting in pre-historic New Zealand. Cambridge University Press, Cambridge.

Ashwell,K. and Scofield,R. 2008. Big birds and their brains: Paleoneurology of the new Zealand moa Brain Behavior and Evolution 71(2): 151-166.

Cooper, A., Lalueza-Fox, C., Anderson, S., Rambaut, A., Austin, J. and Ward, R. 2001: Complete mitochondrial genome sequences of two extinct moas clarify ratite evolution. Nature 409: 704–707.

Degrange, F., Tambussi, C., Moreno, K., Witmer, L. and Wroe, S. 2010.Mechanical Analysis of Feeding Behavior in the Extinct "Terror Bird" Andalgalornis steulleti Gruiformes:Phorusrhacidae). Zoological Record PLoS ONE 5(8): 1-7.

Deeming, D. and Birchard, G. 2008. Why were extinct gigantic birds so small? Biological Abstracts Avian Biology Research. 1(4): 187-194.

Haddrath, O. and Baker, A. 2001. Complete mitochondrial DNA genome sequences of extinct birds: ratite phylogenetics and the vicariance biogeography hypothesis. Proceedings of the Royal Society of London B 268: 939–945.

Hansford JP, Turvey ST. 2018 Unexpected diversity within the extinct elephant birds (Aves: Aepyornithidae) and a new identity for the world’s largest bird. R. Soc. open sci. 5: 181295. <http://dx.doi.org/10.1098/rsos.181295>

Hansford, J., Wright, P., Rasomiaramanana, A., Perez, V., Godfrey, L., Errickson, D., Thompson, T. and Turvey, S. 2018. Early Holocene human presence in Madagascar evidenced by exploitation of avian megafauna. Science Advances 4: DOI: 10.1126/sciadv.aat6925

Holdaway, R.N. and Jacomb, C. 2000. Rapid Extinction of the Moas (Aves: Dinornithiformes): Model, Test, and Implications. Science 24 (287): 2250 – 2254

Heupink, T., Huynen, L. and Lambert, D. 2011. Ancient DNA Suggests Dwarf and 'Giant' Emu Are Conspecific. PLoS One. 6(4). Article No.: e18728.

Hume, J. and Robertson, C. 2021. Eggs of extinct dwarf island emus retained large sizeBiol. Lett.172021001220210012[http://doi.org/10.1098/rsbl.2021.0012](https://doi.org/10.1098/rsbl.2021.0012)

Johnston, P. 2011. New morphological evidence supports congruent phylogenies and Gondwana vicariance for palaeognathous birds. Zoological Journal of the Linnean Society. 163(3):959-982.

Lomolino, M. V, Tomlinson, S., Wood, J., Wilmshurst, J., & Fordham, D. A. (2021). Geographic and ecological segregation in an extinct guild of flightless birds: New Zealand’s moa. Frontiers of Biogeography. <http://dx.doi.org/10.21425/F5FBG53416> Retrieved from <https://escholarship.org/uc/item/2m85q6d5>

Mitchell, J., Llamas,B., Soubrier, J., Rawlence, N., Worthy, T., Wood, J., Lee, M. and Cooper, A. 2014. **Ancient DNA reveals elephant birds and kiwi are sister taxa and clarifies ratite bird evolution.** Science*,* DOI: [10.1126/science.1251981](http://dx.doi.org/10.1126/science.1251981)

Morgan, A. and Sutton, J. 1928. A critical description of some recently discovered bones of the extinct Kangaroo Island emu (*Dromaius diemenianus*). Emu 28: 1-19.

Olson, V. and Turvey, S. 2013. The evolution of sexual dimorphism in New Zealand giant moa (Dinornis) and other ratites. Proceedings of the Royal Society. B, Biological sciences 280 (1760): p. 1-10.

Parker, S. 1984. The extinct Kangaroo Island emu. A hitherto unrecognized species. Bull. Brit. Orn. Club 104: 22-39.

Pfennigwerth, S. 2010. "The mighty cassowary": the discovery and demise of the King Island emu. Zoological Record Archives of Natural History 37(1):74-90.

Phillips, M., Gibb, G., Crimp,E. and Penny, D. 2010. Tinamous and Moa Flock Together: Mitochondrial Genome Sequence Analysis Reveals Independent Losses of Flight among Ratites. Systematic Biology 59(1):90-107.

Pyke, V. 1890. The moa (*Diornis*) and the probable causes of its extinction. The Otogao Witness, September 18: 208.

Torres CR, Clarke JA. 2018 Nocturnal giants: evolution of the sensory ecology in elephant birds and other palaeognaths inferred from digital brain reconstructions. Proc. R. Soc. B 285: 20181540. <http://dx.doi.org/10.1098/rspb.2018.1540>

Turvey, S. and Holdaway, R. 2005. Postnatal ontogeny, population structure, and extinction of the giant moa Dinornis. Journal of Morphology 265(1): 70-86.

Wetmore, A. 1967. Re-creating Madagascar’s giant extinct bird. National Geographic 132: 488-193.

**Tinamou**

Andrews, B. 2006. Breeding the elegant crested tinamou *Eudromia e. elegans*. Avicultural-Magazine 112(3): 111-115.

Banks, R.C. 1977. A review of the crested tinamous (Aves: Tinamidae). Proceedings of the Biological Society of Washington 89: 529-544.

Bertelli, S., and A.L. Porzecanski. 2004. Tinamou (Tinamidae) systematics: a preliminary combined analysis of morphology and molecules. Ornitologia Neotropical 15 (Supplement): 293–299.

Bertelli, S., N.P. Giannini, and P.A. Goloboff. 2002. A phylogeny of the tinamous (Aves: Palaeognathiformes) based on integumentary characters. Systematic Biology 51: 959-979.

Black, P., Macek, M., Tieber, A. and Weber, M. 2013. Reference values for hematology, plasma biochemical analysis, plasma protein electrophoresis, and aspergillus serology in elegant-crested tinamou. Journal of avian medicine and surgery. 27 (1):1-6.

Blake, E.R. 1979. [Family Tinamidae](http://biodiversitylibrary.org/page/16108685). Pages 12-47 in E. Mayr and G.W. Cottrell (editors), [Check-list of birds of the world. Volume I. Second edition](http://biodiversitylibrary.org/page/16108660). Museum of Comparative Zoology, Cambridge, Massachusetts.

Brennan, Patricia L. 2009. Incubation in great tinamou (Tinamus major). 2009. Wilson Journal of Ornithology 121(3): 506-511.

Brennan, P. L. R. 2004. Techniques for studying the behavioral ecology of forest-dwelling tinamous (Tinamidae). Ornitología Neotropical 15(Suppl.):329–337.

Brennan, P. 2012. Mixed paternity despite high male parental care in great tinamous and other Palaeognathes . Animal Behaviour 84(3): 693-699.

Brooks, D. Behavior, Reproduction and Development in Little tinamou Crypturellus soui. The Wilson Journal of Ornithology, 2015, Volume 127(4): 761-765.

Brushland, S., Magnus, W. and Scheres, G. 2011. Notes on tinamous currently found in aviculture. Avicultural Magazine 117(2): 75-86.

Cabot, J. 1992. Family Tinamidae (tinamous). Pages 112-138 in J. del Hoyo, A. Elliott, and J. Sargatal (editors), Handbook of the birds of the world. Volume 1. Lynx Edicions, Barcelona.

Conover, B. 1950. [A study of the elegant tinamous](http://biodiversitylibrary.org/page/2827438). Fieldiana: Zoology 31 (38): 363-374.

Gallardo, J.M. 1984. Observaciones sobre el comportamiento social y reproductivo de *Eudromia elegans* (Aves: Tinamiformes). Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia" 13: 160-170.

Harbitter, R. 2010. Successfully Raising Parent-reared Chicks from Elegant-crested Tinamou. Animal Keepers Forum.

Hershey, Kyla. 2010. Tinamou training 101. Animal Keepers' Forum. 2010 August; 37(8):353-356.

Krabichler, Q., Krabichler, Q., Vega-Zuniga, T., Morales, C., & Luksch, H. 2015.The visual system of a palaeognathous bird: Visual field, retinal topography and retino-central connections in the chilean tinamou (nothoprocta perdicaria). Journal of comparative neurology 523(2):226-250.

Kuhnen, V. V., R. E. M. de Lima, J. F. Santos, and L. C. P. Machado Filho. 2013. Habitat use and circadian pattern of Solitary Tinamou *Tinamus solitarius* in a southern Brazilian Atlantic rainforest. Bird Conservation International 23:78–82

Leticia Coutnho Sangy, D., Christine Steiner Sao, B., Ana Carolina, S. 2016. Daily and seasonal activity patterns of the solitary tinamou in the Atlantic Forest of Southeastern Brazil. The Wilson journal of ornithology 128 (4): 885-894.

Marques, M. V. R., F. C. Ferreira Jr., D. de Assis Andery, A. A. Fernandes, A. V. de Araújo, J. S. de Resende, R. V. Donatti, and N. R. da Silva Martins. 2012. Health assessment of captive tinamids (Aves, Tinamiformes) in Brazil. Journal of Zoo and Wildlife Medicine 43:539–548.

Negret, P. J., O. Garzón, P. R. Stevenson, and O. Laverde-R. 2015. New ecological information for the Black Tinamou (*Tinamus osgoodi hershkovitzi*). Auk: Ornithological Advances 132:533–539.

Ogata, M., Koizumi, J., Morikaku, K., and Matsumoto, R. 2006. Sexing, the elegant crested-tinamou, Eudromia elegans, using a molecular biological method. Japanese Journal of Zoo and Wildlife Medicine 11(2): 79-81.

Romero Marques, M., Ferreira Junior, F., Andery, D., Fernandes, A., de Araujo, A., de Resende, J., Donatti, R. and da Silva Martins, N. Health assessment of captive tinamids (aves, tinamiformes) in Brazil. Journal of Zoo & Wildlife Medicine. 43(3): 539-548.

Schelsky. W. 2004. Research and Conservation of Forest-Dependent Tinamou Species In Amazonia Peru. Ornitologia Neotropical 15 (Suppl.): 317–321.

Smith, C., 2001. The Andean tinamou Nothoprocta pentlandii in captivity. Avicultural Magazine 107(2): 62-68.

Tinamou Research Group <http://gallus.forestry.uga.edu/trg/conservation.htm>

Tubaro, P. L. and S. Bertelli. 2003. Female-biased sexual size dimorphism in tinamous: a comparative test fails to support Rensch's rule. Biological Journal of the Linnean Society 80:519–527.