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^{OA}Open Access paper



Cover A 1902 painting by Joseph Gleeson depicts a thylacine mother with three cubs (including one in the pouch) as they appeared on arrival at the National Zoological Park in Washington, D.C. In this issue, hairs from the mother and one of the cubs were sampled to produce the first two complete mitochondrial genome sequences of the thylacine, providing new insights into this extinct species and the feasibility of molecular analysis of museum specimens. (Image reprinted courtesy of the Smithsonian Institution Archives. [For details, see Miller et al., pp. 213–220.]