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## **The ornithology of the Baudin expedition (1800-1804)**

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## Materials and Methods

Many opportunities to uncover specimens accumulated during the Baudin expedition were facilitated thanks to the Internet, digital photography and the ability to travel easily by train and plane throughout Europe. A list of archives and museums was compiled using Internet searches and also the available literature. When working on the actual collections themselves, specimens and notes were documented with a simple digital camera, resulting in roughly 20,000 photographs relating to this research. Each photograph was catalogued and the same applies to the supplementary literature and ornithology-related publications which were uncovered. To map the movements of the specimens since their arrival in Europe, only scrutiny of the numerous documents in the various archives was able to make the pattern visible. The portraits used in dissertation are distributed under a Creative Commons licence (CC BY-SA). The owner of plate Fig. 2-001 could not be traced, if I made an infringement in copyright with this plate or others please let me know.

The sources of ornithological notes for the Baudin expedition which were located for this dissertation are largely unpublished. They were examined, sometimes in combination with specimen research, at: 1) Muséum d'histoire naturelle du Havre, Le Havre, France (27 June 2013, 21 May 2015) (hereafter MHNH); 2) Muséum national d'histoire naturelle, Paris, France (12-13 June 2012, 1-12 April 2013, 16-20 February 2015, 6-8 February, 19-21 September and 20 December 2016, 21 March 2017) (hereafter MNHN) and 3) Archives Nationales, Pierrefitte-sur-Seine, Paris, France (18 February 2015, 9 February 2016) (reference is made to this as the Archives Nationales, there is no distinction between série Marine (starting with 5/) and série museum (starting with 15/)). Additional archival research was undertaken at the British Museum, London, UK (29 June 2014); Natural History Museum, London, UK (29 June 2014, 19 June 2015, 5 January 2016); Natural History Museum, Tring, UK (NHMUK) (14 January 2014, 18 June 2015, 22-23 March 2016) and the Linnean Society, London, UK (19 June 2015).

The various ornithological specimens that are related to the Baudin expedition are widely dispersed, with the majority being held at four locations. These are: Muséum nationale d'histoire naturelle, Paris, France (for visits see above); Naturalis Biodiversity Center, Leiden, The Netherlands (Naturalis or RMNH) (18 December 2012, 11 February, 20 June and 13 November 2013, 9, 20 May, 4 June, 17 July, 17 December 2014, 3 June, 3 December 2015, 18 March, 9 June 2015); the National Museum of Scotland, Edinburgh, Scotland (NMS) (31 March – 2 April 2015) and the Naturhistorisches Museum Wien, Vienna, Austria (NMW) (29 August 2012, 23-24 March 2015, 27-28 February 2017).

For additional information visits were made to: Martin-Luther-Universität, Zoologisches Institut, Halle, Germany (MLU) (21-22 August 2015); Naturhistoriska Riksmuseet, Stockholm, Sweden (NHRM) (12 May 2015, 3-5 February 2016); Musée Boucher-de-Perthes, Abbeville, France (10 April 2015); Universität Humboldt, Zoologisches Museum, Berlin, Germany (ZMB) (26-27 September 2013); Ethnologische Sammlung der Universität Göttingen, Göttingen, Germany (20 August 2015) and Niedersächsisches Landesmuseum Hannover, Hannover, Germany (21 August 2015).

Email communication was had with: the Indian Museum, Kolkata, India (IM); Muséum d'histoire naturelle, Geneva, Switzerland (MNHG); Musée d'histoire naturelle, La-Chaux-de-Fond, Switzerland (MHCN); Museo Civico di Storia Naturale di Milano, Milano, Italy (MSNM); Museo di Storia Naturale of the University of Pavia, Italy (MSNPV); Museo di Zoologia, Università di Bologna, Bologna, Italy (MZUB); Museo di Storia Naturale, Università di Firenze, Firenze, Italy (MZUF); Museo di Zoologia, Istituto di Zoologia e Anatomia Comparata Univer-

sità di Torino, Torino, Italy (MZUT); the National Museum of Natural History, Washington D.C., USA (USNM); Otago Museum, Otago, New Zealand (OMNZ); Musée George Sand et de la Vallée Noire, La Châtre, France (MLC) and Liverpool Museum, Liverpool, United Kingdom (LIVCM). Also, the French regional museums: Muséum d'histoire naturelle de Toulon et du Var, Toulon; Muséum d'histoire naturelle Victor Brun, Montauban, Montauban; Muséum d'histoire naturelle, Ville de Blois, Blois; Musée de la Prinerie, Verdun and Muséum-Aquarium de Nancy, Nancy; L'Hôtel de Ville de Rouen, Rouen, France and Lycée de Moulins, Moulins, France, which both received a fair share of Baudin specimens were contacted; these two collections were lost (one in WW1 and the other at a unknown date), as will be explained later.

X-ray images of specimens were gratefully received from Musée Vert, Muséum d'histoire naturelle du Mans, Le Mans, France in addition to the museums already mentioned (the MNHN, Naturalis, NMW, NHRM, NHMUK, ZMB, MZUT, LIV, Göttingen, Hannover, Musée Boucher-de-Perthes).

The laboratory and facilities of the MNHN were used for DNA sequencing.