APPENDIX TABLES AND FIGURES

Introduction

In this section, supplementary information on the development of monotremes and the morphology of the central nervous system is collected in tables. Data in the tables are derived from measurements of archived specimens (eggs, embryos, hatchlings, and adult brains and spinal cords) held at the Museum für Naturkunde in Berlin (MfN), the National Museum of Australia in Canberra (NMA) and the Australian Museum in Sydney (AustMus). The National Museum of Australia does not permit publication of photographs of their specimens, so it is not possible to show images of their eggs, hatchlings, brains and spinal cords. I am very grateful to both the Museum für Naturkunde and the Australian Museum for the opportunity to use photographs of the specimens in their collection elsewhere in this book.

The developmental tables summarise the key events in the main neural systems of evolutionary interest for monotreme neuroscience. These events have been plotted against changes in greatest length of embryos and hatchlings and the presumed age based on a system that counts the days before hatching (H-*x* days) and after hatching (PH for post-hatching, *x* days) (see Chapter 3). The ages of embryos and hatchlings are, of necessity, approximate, because of the uncertainty of the timetable of monotreme development, particularly during the intrauterine period, but also with respect to the tempo of development during the incubation phase. The events in neural development have been grouped according to three zones of the neuraxis: the telencephalon (Appendix Fig. 1); the eye and diencephalon (Appendix Fig. 2); and the brainstem, spinal cord and peripheral nervous system (Appendix Fig. 3).

Appendix Table 1. Diameters of platypus eggs

Specimen number	Museum[1]	Species	Long axis diameter (mm)	Short axis diameter (mm)
1984.0010.0474	NMA	*O. anatinus*	12.6	11.9
1984.0010.0475a	NMA	*O. anatinus*	13.3	11.9
1984.0010.0475b	NMA	*O. anatinus*	13.2	12.1
1984.0010.0842a	NMA	*O. anatinus*	17.6	16.1
1984.0010.0842b	NMA	*O. anatinus*	17.8	15.4
1984.0010.2280a	NMA	*O. anatinus*	18.1	16.7
1984.0010.2280b	NMA	*O. anatinus*	17.6	17.1
Mean ± s.d.			15.74 ± 2.55	14.46 ± 2.39

1 NMA – National Museum of Australia.