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A TEXT-BOOK

OF

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VERTEBRATE EMBRYOLOGY

TREATED FROM THE COMPARATIVE
STANDPOINT

BY

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ILLUSTRATED WITH 137 ENGRAVINGS



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DEDICATED
TO MY MOTHER
LAURA E. PHILLIPS



PREFACE.

SINCE in the experience of the author and her colleagues, the comparative method of teaching embryology has been the most successful, this book has been written with the idea of furnishing a short, concise text to supplement the all-important work of the laboratory, and to serve as a guide for wider reading. The illustrations have been made as simple as possible, and diagrams have been used wherever feasible rather than more elaborate drawings or microphotographs, since it has been our experience that a clear diagram is frequently more useful to the student in interpreting the material of the laboratory than is the more elaborate drawing or photograph.

The lists of references given after each chapter have been chosen as suggestions for additional reading, and no attempt has been made to give an exhaustive bibliography of the subject.

The author wishes to make especial acknowledgment to Prof. F. R. Lillie, for permission to use or redraw certain figures from "The Development of the Chick;" to Prof. H. H. Wilder for permission to use illustrations from the "History of the Human Body;" to Prof. R. S. McEwen for permission to use drawings from "A Textbook of Vertebrate Embryology;" to Messrs. Henry Holt & Co., for furnishing the above illustrations and also for certain figures copied from Kellicott's "Outlines of Chordate Development."

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