

THESIS FOR THE DEGREE OF DOCTOR OF MEDICINE.

## AN EXPERIMENTAL INVESTIGATION OF THE DEVELOPMENT OF THE AMPHIBIAN NEPHRIC SYSTEM.

BY

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## FOREWORD

The experiments on which this thesis is based were performed in the Department of Anatomy, University College, London, and certain accounts of this work have already been presented as communications and demonstrations to the Anatomical Society of Great Britain and Ireland.

Further accounts have been published in the Journal of Anatomy. Since this thesis consists largely of a rewriting of these accounts, with one exception, they are not mentioned in the text nor quoted in the bibliography, but printed records of communications, demonstrations and papers are forwarded in support of this thesis. They consist of the following.

- (a) Papers and demonstrations read before the Anatomical Society of Great Britian and Ireland.
  - (1) Transplantation of the Pronephros in larval Amphibia (1937). Jour. Anat. 72. 178.
  - (2) Experiments on the development of the Amphibian nephric system (1938). Jour. Anat. 72. 473.
  - (3) Vital staining experiments on the development of the Amphibian pronephric duct (1938). Jour.Anat. 72. 615.
  - (4) The effect of obstructing the caudal growth of the pronephric duct in Amblyssoma tigrinum (1939).

    Jour.Anat. 73.
  - (5) Some points in the technique of experimental embryology. Demonstration May 1939.

## Foreword

- (b) Published papers.
  - (1) Experiments on the development of the pronephric duct (1938). Jour.Anat. 73. 145.
  - (2) Experiments on the development of the Amphibian mesonephros (1939). Accepted for publication in the Journal of Anatomy and to be published in the October issue for 1939.