

CONTEMPORARY SCIENTIFIC ARCHIVES CENTRE

under the guidance of the Royal Society's

British National Committee for the History of Science, Medicine and Technology

Catalogue of the papers of

CARL FREDERICK ABEL PANTIN FRS

(1899 - 1967)

Deposited in the Library of Trinity College, Cambridge

Compiled by: Jeannine Alton

Julia Latham-Jackson

1982

All rights reserved

The work of the Contemporary Scientific Archives Centre, and the production of this catalogue, are made possible by the support of the following societies and institutions:

The Anatomical Society of Great Britain and Ireland

The Biochemical Society

The British Pharmacological Society

The Charles Babbage Foundation for the History of Information
Processing

The Institute of Physics

The Institution of Electrical Engineers

The Nuffield Foundation

The Physiological Society

The Royal Society of London

INTRODUCTION

With the exception of item 1, the material was received from Professor M.J.S. Rudwick, to whom it was lent by Pantin in the course of research. It is regretted that no other records or correspondence can be traced of this distinguished zoologist and contributor to invertebrate physiology and evolutionary theory.

The collection consists of various typescript sequences for lectures and papers, with many manuscript revisions and additions. Only one item (6) is dated, 1964, but all the material relates to themes dealt with in Pantin's Turner Lectures at Trinity College, Cambridge, in 1959 (edited by A.W. Pantin and W.H. Thorpe and published by Cambridge University Press, 1968, as 'The relations between the sciences') and his Ballard Mathews Lectures on 'Science and education' given at University College of North Wales in 1963. These themes include Pantin's distinction between the 'restricted' (physical) sciences and the 'unrestricted' (biological) sciences, and his postulate of the 'illative sense' - a term borrowed from J.H. Newman's 'The Grammar of Assent' - as a factor in scientific research. Pantin drew for illustrative material on various episodes in the history of nineteenth-century biological and geological science.

1. Copy of Christ's College [Cambridge] Magazine, May 1967. An obituary notice of Pantin by T. Weis-Fogh, his successor as Professor and Head of the Department of Zoology, appears on p.54.
2. 'Biology and the Scientific Method by C.F.A. Pantin, Zoological Laboratory, Cambridge'.

6 pp. numbered typescript.
3. 'Scientific Research and the "Illative Sense"'.

30 pp. numbered typescript with ms. corrections by Pantin and another.
4. Draft bearing title (deleted in pencil) 'Scientific Research and Intuitive Inference'.

The draft is in two parts which together deal with three examples of intuitive hypotheses: the identification by Owen of the New Zealand Moa bird; the history of the chronology of the earth from Newton to Kelvin; and the hypotheses of Darwin and Agassiz at Glen Roy.

The first part is typescript with extensive ms. corrections by Pantin and M. Rudwick; it bears various paginations, 14 pp. in all.

The second part is a photocopy paginated 15-26. It is accompanied by a note from M. Rudwick 'Photocopy (with my underlinings, etc.) of typescript by Pantin - original returned to his widow'.
5. Untitled typescript and ms. draft with a ms. note 'Tanner?'.

There are paginations in red in the upper right corner which run 8, 9, 14-30.
6. 'The parallel roads of Glenroy. Note by Professor C.F.A. Pantin FRS'.

2 pp. typescript signed and dated at end 'C.F.A.P. October 1964', with a ms. note at head in the hand of M. Rudwick 'Take to London (for C.F.A.P.)'.

7. 'The Scientific Method in Biology'.
4 pp. only, typescript heavily corrected by Pantin and with some corrections in another hand.
8. 'Scientific Research and Intuitive Inference'.
3 pp. only, typescript with some ms. revisions.
9. Heavily-corrected typescript draft, paginated 3-29, largely on the career and scientific contribution of Edward Forbes.

Corrections are in red, black and blue ink or ball-point, by Pantin and others.
10. 'The History of Science and Modern Biology'.
1 p. revised typescript only.
11. p.2 only of lecture; refers to work of Edward Forbes, but not part of 9 above.
12. p.9 only of lecture.
13. 2 pp. ms. notes by Pantin on the New Zealand bird identified by Owen.
14. 6 pp. typescript notes on same subject.
15. Miscellaneous photocopies of published material on same subject.