

**DARWIN AND AFTER DARWIN:
AN EXPOSITION OF THE
DARWINIAN THEORY AND A
DISCUSSION OF POST-
DARWINIAN QUESTIONS, III**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649242139

Darwin and after Darwin: an exposition of the Darwinian theory and a discussion of post-Darwinian questions, III by George John Romanes

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

GEORGE JOHN ROMANES

**DARWIN AND AFTER DARWIN:
AN EXPOSITION OF THE
DARWINIAN THEORY AND A
DISCUSSION OF POST-
DARWINIAN QUESTIONS, III**

DARWIN, AND AFTER DARWIN

III

POST-DARWINIAN QUESTIONS

ISOLATION AND PHYSIOLOGICAL SELECTION

BY THE SAME AUTHOR.

DARWIN, AND AFTER DARWIN. An Exposition of the Darwinian Theory and a Discussion of Post-Darwinian Questions.

1. **THE DARWINIAN THEORY.** With portrait of Darwin. 460 pages. 115 illustrations. Cloth, \$2.00.
2. **POST-DARWINIAN QUESTIONS.** Edited by Prof. C. Lloyd Morgan. With portrait of G. J. Romanes. 138 pages. Cloth, \$1.50.
3. **POST-DARWINIAN QUESTIONS. ISOLATION AND PHYSIOLOGICAL SELECTION.** Edited by Prof. C. Lloyd Morgan. With portrait of Mr. J. T. Gulick. 181 pages. Cloth, \$1.00.

All three volumes together, \$4.00 net.

AN EXAMINATION OF WEISMANNISM. With portrait of Weismann. 436 pages. Cloth, \$2.00.

THOUGHTS ON RELIGION. Edited by Charles Gere, M.A., Canon of Westminster. Third Edition. 164 pages. Cloth, gilt top, \$1.25.

THE OPEN COURT PUBLISHING COMPANY,
324 DRABBOON STREET, CHICAGO.



John J. Guelick

DARWIN, AND AFTER DARWIN

LIBRARY OF
COLLEGE OF OSTEOPATHY
PHYSICIANS & SURGEONS

*AN EXPOSITION OF THE DARWINIAN THEORY
AND A DISCUSSION OF
POST-DARWINIAN QUESTIONS*

↓
BY THE LATE
GEORGE JOHN ROMANES, M.A., LL.D., F.R.S.
Honorary Fellow of Gonville and Caius College, Cambridge

III
POST-DARWINIAN QUESTIONS
ISOLATION
AND PHYSIOLOGICAL SELECTION

Chicago
THE OPEN COURT PUBLISHING COMPANY

1897

8-46

PREFACE

OF the six chapters which constitute this concluding volume of G. J. Romanes' *Darwin, and after Darwin*, three, the first two and the last, were in type at the time of his death. I have not considered myself at liberty to make any alterations of moment in these chapters. For the selection and arrangement of all that is contained in the other three chapters I am wholly responsible.

Two long controversial Appendices have been omitted. Those marked A and B remain in accordance with the author's expressed injunctions. In a third, marked C, a few passages from the author's note-books or MSS. have been printed.

The portrait of the Rev. J. Gulick, which forms the frontispiece, was prepared for this volume before the author's death. Mr. Gulick's chief contributions to the theory of physiological selection are to be found in the Linnean Society's *Journal* (*Zoology*, vols. xx

and xxiii), and in four letters to *Nature* (vol. xli. p. 536; vol. xlii. pp. 28 and 369; and vol. xliv. p. 29).

I have to thank Mr. Francis Galton, D.C.L., F.R.S. and Mr. F. Howard Collins for valuable assistance generously rendered for the sake of one whom all who knew him held dear. For he was, if I may echo the words of Huxley, "a friend endeared to me, as to so many others, by his kindly nature, and justly valued by all his colleagues for his powers of investigation and his zeal for the advancement of science."

C. LLOYD MORGAN.

BRISTOL, *May 1897.*

CONTENTS



CHAPTER I.

ISOLATION	PAGE 1
---------------------	-----------

CHAPTER II.

ISOLATION (<i>continued</i>)	28
--	----

CHAPTER III.

PHYSIOLOGICAL SELECTION	41
-----------------------------------	----

CHAPTER IV.

EVIDENCES OF PHYSIOLOGICAL SELECTION	62
--	----

CHAPTER V.

FURTHER EVIDENCES OF PHYSIOLOGICAL SELECTION	81
--	----

CHAPTER VI.

A BRIEF HISTORY OF ISOLATION AS A FACTOR IN ORGANIC EVOLUTION	101
GENERAL CONCLUSIONS	144



APPENDIX A. MR. GULICK'S CRITICISM OF MR. WALLACE'S VIEWS ON PHYSIOLOGICAL SELECTION	151
---	-----