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A Very Short Introduction

Jonathan Howard 著 赵凌霞 何竹芳 译

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Preface of the biological and it is probably the biological and it is probably the biological and it is probably the biological and its probably the biological and the biological and

More than a century after Darwin's death there is still scepticism and unease about the validity and significance of Darwin's contribution to knowledge. The time is certainly right to try to describe Darwin's scientific work briefly and in plain language. This book is not unbiased, in the sense that I do not stand equidistant between Darwin and his detractors. No working biologist can read and understand Darwin's work without realizing the overwhelming importance it has had for the development of biological thought in general. But I hope the book is fair in pointing out aspects of Darwin's thinking that lack consistency or have failed to stand up to critical scrutiny. Perhaps to emphasize the importance of Darwin for biology will be considered as limiting the scope and reference of Darwinism. But that would be nonsense. The whole point of understanding the modern theory of evolution is to understand that human life and human society are to a certain extent biological issues, painfully difficult to deal with in these terms, but still biology. For this reason I have kept strictly to the core of the matter, which is Darwin's contribution to biology. Darwinian philosophy or Darwinian society are post-hoc constructs that had no place in Darwin's thought. He was unable to see how evolution in biology could have any but the feeblest analogical resemblance to the evolution of society. The complete separation between social and political philosophy and Darwin's Darwinism is the main justification, if any is needed, for dealing only with the latter. The biology is where the

issues are finally grounded, and it is probably the biology that is least generally known.

My Darwinizing has imposed heavily on the kindness and forbearance of my friends and close scientific colleagues, and I apologize and thank them all. I owe a particular debt of thanks to Geoffrey Butcher who took over the burden of running the laboratory during my prolonged absences.

Thanks also to the Oxford University Press for their original invitation to write this book, to Michael Singer for a chance remark which tilted the balance in favour of accepting the invitation, and to several generations of editors at the Press for their help in making the book ready for publication. IONATHAN HOWARD

VI

达尔文去世一百多年来, 关于他对知识的贡献及其研究 成果的重要性,仍然有怀疑和非议存在。此时以简明诵俗的语 言简要介绍一下达尔文的科学研究工作, 无疑不失时官。在达 尔文和其贬低者之间, 作者并非持中间立场, 本书还是有所倾 向。达尔文的研究成果对整个生物学思想的发展起到了极为重 要的作用,任何能够看懂和理解达尔文研究的生物学家都不会 意识不到这一点。但是,我希望本书能客观地介绍达尔文的思 想,指出其中一些缺乏一致性或经不起严密推敲和审视的不足 之处。也许有人会认为过分强调达尔文对生物学的重要意义会 限制达尔文理论的范围和涵义,但这其实是无稽之谈。理解现 代进化论就是要认识到:人的生命和人类社会在某种程度上也 是生物学问题,尽管用这些术语很难说清楚,但仍是生物学的 研究范畴。出于这一原因,本书始终紧扣问题的核心,即达尔 文对生物学的贡献而展开。优胜劣汰、适者生存的社会达尔文 主义哲学是后来衍生出来的,在达尔文当初的思想中根本没有 一席之地。那时,他还看不到生物进化如何能够与社会演化进 行任何类比。因此,将社会与政治哲学体系中的达尔文主义与 达尔文的生物进化论完全分开而只讨论后者也是合乎情理的。 生物学是问题最根本的落脚点,而人们恰恰可能对生物学知 识知之甚少。

对于我所进行的达尔文研究,我的朋友和亲密的科研伙伴们给予了极大的支持和理解。在此,我向他们表示由衷的感谢,同时也为给他们带来的麻烦和负担表示歉意。我要特别感谢杰弗里·布彻,我不在的很长时间里,是他接替我管理实验室的繁重工作。

感谢牛津大学出版社当初邀请我写这本书,也感谢迈克尔·辛格先生,他不经意的一番话鼓励我接受了这个邀请,同时还要感谢牛津出版社新老编辑们的帮助,他们为本书的最终出版做了大量工作。

VIII

Abbreviations

The following are the works by Darwin from which I have quoted in the text. References to Darwin's writings are given by an abbreviation of the title, followed by volume number where appropriate, and a page reference.

- * Charles Darwin, Thomas Henry Huxley. Autobiographies, edited with an introduction by Gavin de Beer, Oxford, 1974.
- D The Descent of Man and Selection in Relation to Sex, 2 vols, London, 1871.
- F The Various Contrivances by which Orchids are Fertilized by Insects, London, 1890.
- Journal of Researches into the Natural History and Geology of the Countries Visited during the Voyage of H.M.S. 'Beagle' round the World, London, 1882.
- L Life and Letters of Charles Darwin, edited by F. Darwin, 3 vols, London, 1888.
- * 'Darwin's Early and Unpublished Notebooks', transcribed and annotated by Paul H. Barrett, in Howard E. Gruber, *Darwin on Man: A Psychological Study of Scientific Creativity*, London, 1974.
- ML More Letters of Charles Darwin, edited by F. Darwin and A. C. Seward, 2 vols, London, 1903.
- O *On the Origin of Species. A facsimile of the First Edition, with an

introduction by Ernst Mayr. Fourth Printing. Cambridge, Mass., 1976.

- * Darwin's Notebooks on the Transmutation of Species, edited by Gavin de Beer and others. Bulletin of the British Museum (Natural History). Historical Series. Parts I, II, III, IV, and VI. London, 1960 and 1967.
- V The Variations of Animals and Plants under Domestication, 2 vols, London, 1868.

XV

* Still in print

引用文献及其缩写形式

以下是我在本书中所引用的达尔文的著作。文中提到这些著作时以书名缩写字母进行标注,随后是相应卷号及参考页码。

- A 《达尔文和赫胥黎自传》,由加文·德比尔编辑作序,牛津, 1974.
- D 《人类的由来及性选择》, 共2卷, 伦敦, 1871.
- F 《兰花借助于昆虫传粉的种种技巧》, 伦敦, 1890.
- J 《"比格尔号"环球航行所到达各地区的自然史和地质学的 考察日志》, 伦敦, 1882.
- L 《达尔文生平及其书信集》,由 F. 达尔文编辑,共 3 卷,伦敦,1888.
- M 《达尔文早期及未出版的笔记》,由保罗·H. 巴雷特誊写和注释,见霍华德·E. 格鲁伯的《达尔文论人类:科学创造的心理研究》,伦敦,1974.
- ML 《达尔文书信续集》,由F. 达尔文和A. C. 苏厄德编辑,共2卷, 伦敦, 1903.
- O 《物种起源》,第一版摹写本,厄内斯特·梅尔作序,第四次印刷,剑桥,麻省,1976.
- T 《达尔文论物种变化的笔记》,由加文·德比尔等人编辑,《大 英博物馆学报》(自然史),历史系列。第 I,II,III,IV 和 VI 部分。伦敦,1960,1967.
- V 《动物和植物在家养下的变异》, 共2卷, 伦敦, 1868.

Contents

	List of illustrations XI
	Abbreviations XIV
1	Darwin's life 1
2	The foundations of Darwinism 13
3	Natural selection and the origin of species 25
4	The evidence for evolution by natural selection 38
5	Sex variation and heredity 61
6	Man 75
7	Perfection and progress 92
8	Darwinism and ideology 103
9	Darwin as a scientist: an evaluation 108
	Further reading 117
	Index 121

目录

图目 XIII 引用文献及其缩写形式 XVI 第一章 达尔文生平 127 第二章 达尔文主义的基础 139 第三章 自然选择与物种起源 149 第四章 自然选择进化论的证据 160 第五章 性、变异和遗传 180 第六章 人类 191 第七章 完善与进步 206 第八章 达尔文主义与意识形态 216 第九章 综评:科学家达尔文 221

List of illustrations

- 1 The Beagle in Ponsonby

 Sound 5

 The Art Archive
- 2 The younger Darwin 7
 Charles Darwin, probably George
 Richmond's sketch for his 1840
 portrait of Darwin. The original was
 found in a portfolio of Darwin
 miscellanea in the Cambridge
 Botany School in 1929.
- 3 Charles Lyell, c.1865 20 © Hulton-Deutsch Collection/Corbis
- 4 Phylogenies 2/3 33
 Figs 1, 2, and 3, pp. 44 and 46,
 'Darwin's Notebooks on
 Transmutation of Species', edited
 with an introduction by Sir Gavin de
 Beer, Bulletin of the British Museum
 (Natural History) Historical Series
 Vol. 2 No. 2, London, 1960

- 5 The Galapagos Islands
 54
 Darwin Archive, Cambridge. By
 permission of the Syndics of
 Cambridge University Library
- 6 Origin Phylogeny 57
 From 'Origin of Species' by Charles
 Darwin, 6th edition (twentieth
 thousand) 1878. Diagram inserted
 between pp. 90, 91. London, John
 Murray
- 7 Anfinsen Code 71
 From 'The Molecular Basis of
 Evolution' by Christian B. Anfinsen,
 3rd printing, 1961. Fig. 80, p. 172.
 New York, John Wiley and Sons
- 8 Expressions 81
 From 'The Expression of the
 Emotions in Man and Animals' by
 Charles Darwin, 1st edition, 1872,
 Plate 1, inserted between pp. 148,
 149. London, John Murray

Ocelli 97 9 From 'The Descent of Man, and Selection in Relation to Sex' by Charles Darwin, 1st edition, 1871, Vol. II, Figs 53 (p. 137), 54, and 55

(p. 139). London, John Murray

10 Coral reefs 110 From 'Darwin and Coral Reefs' by C. M. Yonge, Fig. 50, p. 259, in 'A Century of Darwin' edited by S. A. Barnett, 1962 (1958), London, Mercury Books.

Alfred Russel Wallace, 11

> C.1912 © E. O. Hoppé/Corbis

The old Darwin 12 115 Photograph by Elliot and Fry/Mansell Collection

115

XII

图 2	年轻时的达尔文 133	
图 3	查尔斯·赖尔,约 1865 年 145 m smallow vd bawk	
图 4	系统演化 2/3 156	
图 5	加拉帕戈斯群岛 174	
图 6	起源演化 177 O reall ab nive 2 vd northuborning dr	
图 7	安芬森密码 188 will in home selection and in inspection	
图 8	表情 197	
图 9	眼斑 210 Republich Orchids are Familian Republich Orchids are Familian Republic Repub	
图 10	wind of Researches into the Natural History 223	
图 11	阿尔弗雷德·拉塞尔·华莱士,约 1912 年 227	
图 12	老年时期的达尔文 227 \$881,00bn04,bh0	

"比格尔号"在庞森比桑德