

Cambridge University Press

978-1-108-00488-6 - The Foundation of the Origin of Species: Two Essays Written
in 1842 and 1844 by Charles Darwin

Charles Darwin

Table of Contents

[More information](#)

CONTENTS

ESSAY OF 1842

	PAGES
INTRODUCTION	xi

PART I

§ i. On variation under domestication, and on the principles of selection	1
§ ii. On variation in a state of nature and on the natural means of selection	4
§ iii. On variation in instincts and other mental attributes .	17

PART II

§§ iv. and v. On the evidence from Geology. (The reasons for combining the two sections are given in the Intro- duction)	22
§ vi. Geographical distribution	29
§ vii. Affinities and classification	35
§ viii. Unity of type in the great classes	38
§ ix. Abortive organs	45
§ x. Recapitulation and conclusion	48

Cambridge University Press

978-1-108-00488-6 - The Foundation of the Origin of Species: Two Essays Written in 1842 and 1844 by Charles Darwin

Charles Darwin

Table of Contents

[More information](#)

viii

CONTENTS

ESSAY OF 1844

PART I

CHAPTER I

ON THE VARIATION OF ORGANIC BEINGS UNDER DOMESTICATION; AND ON THE PRINCIPLES OF SELECTION.

Variation—On the hereditary tendency—Causes of Variation—On Selection—Crossing Breeds—Whether our domestic races have descended from one or more wild stocks—Limits to Variation in degree and kind—In what consists Domestication—Summary . . . 57—80

CHAPTER II

ON THE VARIATION OF ORGANIC BEINGS IN A WILD STATE; ON THE NATURAL MEANS OF SELECTION; AND ON THE COMPARISON OF DOMESTIC RACES AND TRUE SPECIES.

Variation—Natural means of Selection—Differences between “Races” and “Species” :—first, in their trueness or variability—Difference between “Races” and “Species” in fertility when crossed—Causes of Sterility in Hybrids—Infertility from causes distinct from hybridisation—Points of Resemblance between “Races” and “Species”—External characters of Hybrids and Mongrels—Summary—Limits of Variation 81—111

CHAPTER III

ON THE VARIATION OF INSTINCTS AND OTHER MENTAL ATTRIBUTES UNDER DOMESTICATION AND IN A STATE OF NATURE; ON THE DIFFICULTIES IN THIS SUBJECT; AND ON ANALOGOUS DIFFICULTIES WITH RESPECT TO CORPOREAL STRUCTURES.

Variation of mental attributes under domestication—Hereditary habits compared with instincts—Variation in the mental attributes of wild animals—Principles of Selection applicable to instincts—Difficulties in the acquirement of complex instincts by Selection—Difficulties in the acquirement by Selection of complex corporeal structures . 112—132

Cambridge University Press

978-1-108-00488-6 - The Foundation of the Origin of Species: Two Essays Written
in 1842 and 1844 by Charles Darwin

Charles Darwin

Table of Contents

[More information](#)

CONTENTS

ix

PART II

ON THE EVIDENCE FAVOURABLE AND OPPOSED TO THE VIEW
THAT SPECIES ARE NATURALLY FORMED RACES, DESCEND-
ED FROM COMMON STOCKS.

CHAPTER IV

ON THE NUMBER OF INTERMEDIATE FORMS REQUIRED ON THE
THEORY OF COMMON DESCENT; AND ON THEIR ABSENCE
IN A FOSSIL STATE 133—143

CHAPTER V

GRADUAL APPEARANCE AND DISAPPEARANCE OF SPECIES.
Gradual appearance of species—Extinction of species 144—150

CHAPTER VI

ON THE GEOGRAPHICAL DISTRIBUTION OF ORGANIC BEINGS
IN PAST AND PRESENT TIMES.

SECTION FIRST

Distribution of the inhabitants in the different continents—Relation of
range in genera and species—Distribution of the inhabitants in the
same continent—Insular Faunas—Alpine Floras—Cause of the simi-
larity in the floras of some distant mountains—Whether the same
species has been created more than once—On the number of species,
and of the classes to which they belong in different regions 151—174

SECOND SECTION

Geographical distribution of extinct organisms—Changes in geographical
distribution—Summary on the distribution of living and extinct
organic beings 174—182

SECTION THIRD

An attempt to explain the foregoing laws of geographical distribution, on
the theory of allied species having a common descent—Improbability
of finding fossil forms intermediate between existing species 183—197

CHAPTER VII

ON THE NATURE OF THE AFFINITIES AND CLASSIFICATION
OF ORGANIC BEINGS.

Gradual appearance and disappearance of groups—What is the Natural
System?—On the kind of relation between distinct groups—Classifica-
tion of Races or Varieties—Classification of Races and Species
similar—Origin of genera and families 198—213

Cambridge University Press
 978-1-108-00488-6 - The Foundation of the Origin of Species: Two Essays Written
 in 1842 and 1844 by Charles Darwin
 Charles Darwin
 Table of Contents
[More information](#)

x

CONTENTS

CHAPTER VIII

UNITY OF TYPE IN THE GREAT CLASSES; AND
MORPHOLOGICAL STRUCTURES.

Unity of Type—Morphology—Embryology—Attempt to explain the facts
 of embryology—On the graduated complexity in each great class—
 Modification by selection of the forms of immature animals—Importance
 of embryology in classification—Order in time in which the great
 classes have first appeared 214—230

CHAPTER IX

ABORTIVE OR RUDIMENTARY ORGANS.

The abortive organs of Naturalists—The abortive organs of Physiologists—
 Abortion from gradual disuse 231—238

CHAPTER X

RECAPITULATION AND CONCLUSION.

Recapitulation—Why do we wish to reject the Theory of Common De-
 scent?—Conclusion 239—255

INDEX 257

Portrait *frontispiece*
 Facsimile *to face p. 50*