

Contents

Foreword	vii
Edward O. Wilson	
Introduction	ix
Michael Ruse and Joseph Travis	
The History of Evolutionary Thought	1
Michael Ruse	
The Origin of Life	49
Jeffrey L. Bada and Antonio Lazcano	
Paleontology and the History of Life	80
Michael Benton	
Adaptation	105
Joseph Travis and David N. Reznick	
Molecular Evolution	132
Francisco J. Ayala	
Evolution of the Genome	152
Brian Charlesworth and Deborah Charlesworth	
The Pattern and Process of Speciation	177
Margaret B. Ptacek and Shala J. Hankison	
Evolution and Development	208
Gregory A. Wray	
Social Behavior and Sociobiology	237
Daniel I. Rubenstein	
Human Evolution	256
Henry M. McHenry	
Evolutionary Biology of Disease and Darwinian Medicine	281
Michael F. Antolin	

Beyond the Darwinian Paradigm: Understanding Biological Forms	299
<i>Brian Goodwin</i>	
Philosophy of Evolutionary Thought	313
<i>Kim Sterelny</i>	
Evolution and Society	330
<i>Manfred D. Laubichler and Jane Maienschein</i>	
Evolution and Religion	348
<i>David N. Livingstone</i>	
American Antievolutionism: Retrospect and Prospect	370
<i>Eugenie C. Scott</i>	
Alphabetical Guide	401
Contributors	935
Illustration Credits	949
Index	951