

Table of Contents

Foreword

- Edward O. Wilson* 1

The Creative Mind: Toward an Evolutionary Theory of Discovery and Innovation

- C. Scott Findlay and Charles J. Lumsden* 3

Microscopic and Macroscopic Creativity

- Teresa M. Amabile and Jonathan M. Cheek* 57

Universals in the Arts

- Rudolph Arnheim* 60

Commentary

- Marion Blute* 65

Developmental Psychology and “The Creative Mind”

- Marc H. Bornstein* 68

Dialectical Cycles in the Development of Creative Intelligence

- Robbie Case* 71

Creativity: Some Ambiguities in the Issue

- L. Jonathan Cohen* 77

Animal Play and Phylogenetic Diversity of Creative Minds

- Robert Fagen* 79

Mentality and Creativity

- James H. Fetzer* 82

Creativity, Selection, and Categorization

- Leif H. Finkel* 86

The Need for More Specificity

- Howard Gardner* 89

Dream-Work and the Creative Process

- Carol P. Harris* 92

Novelty and Explanation in F&L's Proposal for an Evolutionary Theory of Discovery and Innovation	
<i>Carl R. Hausman</i>	96
 The Creative Process in Long-Term Perspective	
<i>Ian Hodder</i>	99
 Innovation and <i>r</i> and <i>K</i> Selection	
<i>Edward A. Jones</i>	101
 Inventio	
<i>Derrick de Kerckhove</i>	105
 Creativity and Optimization	
<i>Joseph Lopreato</i>	109
 Motivation for the Creative Mind	
<i>Earl R. Mac Cormac</i>	113
 The Species-Specific Evolution and Contexts of the Creative Mind: Thinking in Time	
<i>Alexander Marshack</i>	116
 Innovation, Discovery and Evolution	
<i>Colin Martindale</i>	120
 Commentary	
<i>Mary Maxwell</i>	123
 Creativity, Human Nature and Business Decisions	
<i>William R. Page</i>	125
 Some Philosophical Aspects of Creativity	
<i>J.-Claude Piguet</i>	128
 Creativity as a Vitiating Problem for Gene-Culture Theory	
<i>Michael R. Rose</i>	131
 On Explaining Creativity	
<i>Robert Rosen</i>	134
 Additive and Nonadditive Factors in Creative Processes	
<i>Albert Rothenberg</i>	135
 Scientific Creativity: An Individual Differences Perspective	
<i>J. Philippe Rushton</i>	140
 The Creative Brain: Toward a Behavioral and Brain-Science Theory of Invention and Innervation	
<i>Glendon Schubert</i>	144

The Dark Side of the Force	
<i>Michael Scriven</i>	147
Evolution and Creativity	
<i>Dean Keith Simonton</i>	151
Survival of the Fittest in Theories of Creativity	
<i>Robert J. Sternberg</i>	154
Commentary	
<i>Frederick Turner</i>	156
Creativity as a Distributed Function	
<i>Bruce J. West and Jonas Salk</i>	158
Strategies of Knowledge Acquisition	
<i>David Sloan Wilson</i>	161
Thinking Creatively About Creative Thinking	
<i>C. Scott Findlay and Charles J. Lumsden</i>	165
References	177