

Contents

| | |
|--|--------|
| <i>Chapter 1. Theoretical Considerations</i> | 1 |
| I. Introduction | 1 |
| II. Philosophical Issues and World Views | 2 |
| A. Rationalist Philosophers of Science: Kuhn, Lakatos, and Laudan ... | 2 |
| B. Three Research Traditions in Developmental Psychology | 4 |
| C. An Alternate Perspective: Philosophical Realism | 5 |
| III. General Theoretical Issues | 7 |
| A. The Nature–Nurture Problem | 7 |
| B. Continuity | 14 |
| C. Plasticity, Sensitive Periods, and the Intensity of Environmental Stimulation | 16 |
| IV. Evolutionary Theory and the Theoretical Traditions of Social Development | 20 |
| A. Ethological Theory | 20 |
| B. Contemporary Evolutionary Theory | 22 |
| C. Evolutionary Biology and Social Learning Theory | 29 |
| D. Evolutionary Biology and Cognitive-Developmental Theory | 30 |
| V. Theoretical Fragmentation or Integration? | 32 |
| <i>Chapter 2. Temperament and Personality Development</i> | 41 |
| I. Theories of Temperament | 41 |
| A. The New York Longitudinal Study (NYLS) | 41 |
| B. The Theory of Rothbart and Derryberry | 43 |
| C. The Theory of Buss and Plomin | 44 |
| D. The Theory of Goldsmith and Campos | 45 |
| E. Integration of Theories | 45 |
| II. Self-Regulation as Sensitivity to Rewards, with an Emphasis on the Positive Social Reward System: Evidence for a Third Personality Dimension | 49 |

| | |
|--|---------|
| III. Biological and Environmental Influences on Temperament | 56 |
| A. Behavioral Genetic Research | 56 |
| B. Proximal Biological Correlates of Emotionality and Sensation Seeking | 58 |
| C. Cross-Cultural Research and the Effects of Powerful Early Environments | 59 |
| D. Temperament and Adaptation | 61 |
| IV. The Stability of Temperament | 62 |
| V. Appendix | 63 |
| A. A More Detailed Theory | 63 |
| B. Arousal and Reward | 67 |
| C. Implications for Learning Processes | 68 |
| D. Predictions Resulting from the Theory | 69 |
| E. Conclusion | 72 |
| <i>Chapter 3. The Development of the Emotions</i> | 77 |
| I. Theories of Emotional Development | 77 |
| A. The Theory of Carrol Izard | 77 |
| B. The Theory of L. Alan Sroufe | 79 |
| C. The Theory of Campos and Barrett | 81 |
| D. The Theory of Jerome Kagan | 82 |
| E. The Theory of Lewis and His Colleagues | 83 |
| F. Summary of Theoretical Positions | 85 |
| II. Parent-Child Interaction as an Example of Emotional Processes in Development | 87 |
| A. The Emotional Content of Parent-Child Interaction | 87 |
| B. A Theory of Affect Regulation in the Context of Parent-Child Interaction | 91 |
| C. The Socialization of Emotions in Parent-Child Physical Play | 101 |
| III. The Development of the Emotions | 109 |
| A. Emotions in Infancy | 109 |
| B. Emotions in Childhood and Adolescence: The Importance of Cognitions and Resources | 112 |
| <i>Chapter 4. Social and Biological Events in Infancy and Their Relevance for Later Behavior</i> | 117 |
| I. Attachment in Evolutionary Perspective | 117 |
| A. The Ethological Theory of Attachment | 117 |
| B. Attachment as an Environment-Expectant Genetic System versus Attachment as a Trait | 123 |
| C. Issues in the Predictive Validity of Attachment | 126 |
| D. Attachment as a Developmental Task | 130 |
| II. Aberrations in Attachment and Later Behavior | 131 |
| A. Animal Studies | 132 |
| B. Human Studies of Orphanage Rearing and Adoption | 133 |
| C. Conclusion | 135 |

| | |
|--|---------|
| <i>Chapter 5. Parent–Child Relationships and the Transmission of Culture</i> | 139 |
| I. Global Parenting Styles | 140 |
| A. Dimensions of Parenting and Their Correlates | 140 |
| B. Bidirectional Processes and Nonshared Environmental Effects | 141 |
| II. The Family and the Socialization of Children in Evolutionary and Historical Perspective | 142 |
| A. Centripetal Tendencies within Families and the Context of Development | 143 |
| B. Familial Affective Relationships in Cross-Cultural Context | 145 |
| C. Familial Affective Relations in Evolutionary Perspective | 151 |
| D. Implications for Developmental Mechanisms | 152 |
| E. The Family and Adaptation in Contemporary Society | 153 |
| III. Centrifugal Tendencies within Families and Their Effects on Children .. | 156 |
| A. Adaptation in Contemporary Societies | 156 |
| B. Divorce in a Sociobiological Context | 157 |
| IV. Affective Relationships within the Family and the Transmission of Culture | 161 |
| V. General Effects of Decrements in Parental Investment and an Evolutionary Analysis of Parental Control | 164 |
| A. Effects of Decreases in Parental Investment | 164 |
| B. Parental Control as an Aspect of Parental Investment | 166 |
| VI. Appendix | 169 |
| A. Social Structure and Child Rearing among the Gusii in Evolutionary Perspective | 169 |
| B. Social Structure and Child Rearing among the !Kung in Evolutionary Perspective | 177 |
| <i>Chapter 6. Topics in the Development of Aggression, Peer Relations, and Sex Differences</i> | 183 |
| I. Issues in the Development of Aggression | 183 |
| A. An Evolutionary Perspective on the Development of Aggression ... | 183 |
| B. Environment-Expectant Affective Systems and the Development of Aggression | 186 |
| C. Temperament and Aggression..... | 195 |
| D. Conclusion | 197 |
| II. Issues in the Development of Peer Relations | 198 |
| A. Introduction | 198 |
| B. Friendship as Reciprocity | 199 |
| C. How Young Children Get What They Want | 201 |
| D. Affective Reciprocity in Friendship | 203 |
| E. The Similarity of Friends in Evolutionary Perspective | 204 |
| F. Social Status Differences among Peers | 205 |
| III. Sex Differences in Development | 211 |
| A. Evolutionary Theory and Sex Differences | 211 |

| | |
|--|-----|
| B. Predictions from Evolutionary Theory and Their Rationale | 214 |
| C. Proximal Mechanisms in the Development of Sex Differences | 229 |

| | |
|---|-----|
| <i>Chapter 7. Moral and Altruistic Development I: The Roles of Cognition and Context</i> | 237 |
| I. The Cognitive-Developmental Approach to Moral Reasoning | 237 |
| A. Piaget on Moral Development | 237 |
| B. Kohlberg on Moral Development | 239 |
| C. A Sociobiological Perspective | 240 |
| II. Rest's Component Model of Moral Behavior | 244 |
| III. A Review of the Literature on Moral Reasoning from the Perspective of Sociobiological Theory | 245 |
| A. The Importance of Cost-Benefit Analysis in Moral Reasoning | 246 |
| B. Moral Reasoning as Justification of Self-Interest | 248 |
| C. The Link between Moral Reasoning and Moral Behavior | 251 |
| D. Cross-Cultural Data: The Primacy of Self-Interest, Reciprocity, and Social Relationships | 253 |
| IV. Research on Norms Related to Altruism and Morality | 255 |
| V. Reasoning about Altruistic Events | 259 |
| VI. Summary and Conclusion | 261 |

| | |
|---|-----|
| <i>Chapter 8. Moral and Altruistic Development II: The Importance of Socialization and Affect</i> | 263 |
| I. Descriptive Studies of Emotions and Their Role in Motivating Altruism | 264 |
| II. Three Sociobiological Hypotheses | 266 |
| A. Sociobiological Hypothesis 1 | 266 |
| B. Sociobiological Hypothesis 2 | 270 |
| C. Sociobiological Hypothesis 3 | 274 |
| III. Conclusion | 281 |
| A. Integration of the Socialization-Affective and the Cognitive-Developmental Approaches to Morality and Prosocial Behavior | 281 |
| B. An Evolutionary Analysis of Guilt and Moral Rectitude | 283 |
| C. The Proximal Mechanisms Underlying Self-Interest | 285 |

| | |
|---|-----|
| <i>Chapter 9. Development in a Wider Context: Evolutionary Considerations</i> | 289 |
| I. Evolution and Ideology | 290 |
| A. More on Economic Production and Social Controls as Contextual Variables | 290 |
| B. Production, Social Controls, and Ideology | 291 |
| C. Resource Availability as a Contextual Variable: Theory | 293 |
| D. Evolutionary Models of Cultural Variation | 294 |

| | |
|--|------------|
| II. Socialization beyond the Family and Peer Systems | 296 |
| A. The Case of the Soviet Union | 296 |
| B. The Case of Nazi Germany | 298 |
| C. The Case of Ancient Sparta | 301 |
| D. Contextual Influences on Development in a Contemporary Liberal Democracy | 304 |
| III. Resource Availability as a Contextual Variable: Empirical Data | 307 |
| IV. Conclusion and Integration | 310 |
| <i>References</i> | <i>313</i> |
| <i>Index</i> | <i>341</i> |