

# Contents

Acknowledgments      *vii*

## **Chapter 1 / Biological and Cultural Influences on Development**      *1*

Biological Influences      *1*

*The Origins of Biological Influences*      *3*

*Biological Influences during the Prenatal Period*      *5*

*Biological Influences during the Neonatal Period*      *7*

Cultural Influences      *8*

*The Enculturation Process*      *9*

*Intercultural Variations*      *10*

Integration of Biological and Cultural Influences      *15*

A Point of View      *16*

REFERENCES      *16*

## **Chapter 2 / Development in Infancy**      *18*

Biological Processes and Behavioral Development      *18*

*Respiration*      *19*

*Temperature Regulation*      *19*

*Immune Reactions*      *20*

*Nutrition*      *20*

*Feeding*      *21*

*Excretory Processes*      *23*

*Sleep Patterns*      *24*

*Sensory Capacities and Perceptual Development*      *24*

*Activity*      *28*

Modification of the Early Biological and Behavioral Processes	29
<i>Changes in Nutrition</i>	29
<i>Changes in Excretory Processes</i>	30
<i>Changes in Sleep Patterns</i>	30
<i>Growth: Changes in Height and Weight</i>	32
<i>Changes in Physiological Processes</i>	33
A Point of View	33
REFERENCES	34

### **Chapter 3 / Physiological Foundations of Behavior** 36

Body Systems Directly Related to Behavior	37
<i>The Endocrine Gland System</i>	38
<i>The Reproductive System</i>	49
<i>The Nervous System</i>	52
Body Systems Indirectly Related to Behavior	59
<i>The Urinary System</i>	59
<i>The Gastrointestinal System</i>	61
<i>The Respiratory System</i>	64
<i>The Cardiovascular System</i>	67
Integration of Physiological Processes and Environmental Influences	70
<i>Biological Clocks and Behavior</i>	71
<i>Motivation and Arousal</i>	72
A Point of View	73
REFERENCES	73

### **Chapter 4 / Behavioral Development in Early Childhood** 76

Perceptual-Cognitive Development	76
<i>The Organizing and Conditioning of Percepts</i>	77
<i>The Importance of "Set"</i>	77
<i>Exploration and Learning</i>	78
<i>Concepts of Reality</i>	78
Developmental Accomplishments	80
<i>Body Movement and Control</i>	81
<i>Learning Related to Physical Needs and Development</i>	81
<i>The Acquisition of Skills</i>	82

The Ontogenesis of Emotions	82
<i>Theoretical Approaches to the Understanding of Emotional Development</i>	83
<i>Experimentation in Reference to Emotional Behavior</i>	84
<i>Types of Emotional Behavior</i>	85
The Development of Language	88
<i>The Mechanisms of Speech</i>	89
<i>Language Forms</i>	90
<i>Speech Disorders</i>	91
<i>Language, Learning, and Thought</i>	91
The Ontogenesis of Social Behavior	93
<i>Parent-Child Interaction as the Foundation of Social Behavior</i>	93
<i>Peer Associations</i>	94
<i>Moral Learning</i>	95
<i>Development of Autonomy</i>	96
A Point of View	99
REFERENCES	100

## **Chapter 5 / Motivation and Cognitive Development** 105

Motivation and Experience	107
<i>Developmental Dimensions of Motivation</i>	107
<i>Achievement Motivation</i>	110
<i>Motivation and Social Learning</i>	112
<i>Cultural Influences on Motivation</i>	114
Cognitive Processes in Development	115
<i>Organization of the Child's Sensory and Perceptual Capacities</i>	115
<i>Perceptual Learning</i>	120
<i>The Child's Formation of Concepts</i>	121
<i>Problem Solving</i>	124
A Point of View	127
REFERENCES	127

## **Chapter 6 / Behavioral Development in Middle Childhood** 132

Physical Development	133
<i>Growth in Middle Childhood</i>	133
<i>Development of Physical Skills and Abilities</i>	134
<i>Changes in Anatomy and Physiology</i>	136

<i>Health in Middle Childhood</i>	137
Language and Behavior	142
<i>Vocabulary Development</i>	142
<i>Oral and Written Language</i>	144
<i>Language and Memory</i>	144
<i>Sex Differences in Language Development</i>	145
<i>Language and Speech Disorders</i>	145
<i>Bilingualism</i>	146
<i>Cultural and Social-Class Influence</i>	147
Emotional Behavior	148
<i>Types of Emotional Behavior in Middle Childhood</i>	149
<i>Socioeconomic-Class Influence on Emotional Behavior</i>	150
<i>Emotions and Physiological Processes</i>	150
Social Behavior	152
<i>Interaction with Peers</i>	152
<i>Development of Moral Judgments</i>	153
<i>The Educational System's Influence on Behavior</i>	154
Family Relationships in Middle Childhood	155
<i>Family Constituency</i>	156
<i>Parental Conflict</i>	156
A Point of View	159
REFERENCES	159

## **Chapter 7 / Intellectual Development** 162

The Brain	162
<i>The Brain's Capacity</i>	163
<i>Use of Capacity</i>	164
Intelligence and the Mind	164
<i>Definitions and Meanings</i>	165
<i>The Place of Genetics in the Definition of Intelligence</i>	166
<i>The Place of Environmental Influences in a Definition of Intelligence</i>	167
The Development of Mental Abilities	173
<i>The Growth of Intelligence</i>	173
<i>The Progression of Mental Growth</i>	175
<i>The Problem of Racial and Cultural Comparisons</i>	175
<i>The Measurement of Intelligence</i>	176
<i>Limitations in the Measurement of Intelligence</i>	179

	<i>Physiological Correlates of Intelligence</i>	179
A Point of View		181
REFERENCES		181
<b>Chapter 8 / Imagination and Creativity</b>		184
Imagination and the Determination of Reality		184
<i>Perceptual Modes and Imaginative Behavior</i>		187
<i>Emotion and Imagination</i>		188
<i>Imagination and Imitative Behavior</i>		190
<i>Dreams and Imaginary Creations</i>		192
Divergent Behavior and Creativity		195
<i>Developmental Aspects of Creative Appreciation</i>		196
<i>Motivation and Creativity</i>		196
<i>Child-Rearing Practices and Creativity</i>		199
<i>Creativity and Intelligence</i>		199
A Point of View		202
REFERENCES		203
<b>Chapter 9 / Socialization</b>		205
The Socialization Process		206
<i>Social Motives</i>		207
<i>Perceptual Selectivity in Socialization</i>		208
Cultural Influences during Social Development		208
<i>Cultural Norms and Cultural Change</i>		209
<i>Social-Class Determinants</i>		212
Social Learning Models		215
<i>Imitative Behavior and Indirect Learning from Models</i>		215
<i>Sex Role Learning</i>		216
Social Learning Theory and Socialization		219
Behavioral Changes Characteristic of the Socialization Process		220
<i>Reaction to Frustration in Socialization</i>		221
A Point of View		223
REFERENCES		223
<b>Chapter 10 / Adolescence</b>		226
Physical Development		227

<i>Growth in Height and Weight</i>	227
<i>Body Proportions</i>	227
<i>Strength and Activity</i>	228
<i>Health and Nutrition</i>	228
Behavioral Characteristics	231
<i>Emotional Behavior</i>	231
<i>Adolescent Interests</i>	232
The Place of the Adolescent in the Culture	234
<i>Perceived Characteristics of Adolescents</i>	234
<i>The Adolescent and Peers</i>	234
Adolescence and a Moral Code	236
<i>Morality and a Moral Code</i>	236
<i>Motivation toward Morality</i>	237
The Adolescent and the Family	238
<i>Parental Expectations</i>	238
<i>Adolescent Behavior and Adult Disapproval</i>	239
<i>Family Conflict</i>	240
Adolescents and Social Change	242
<i>The Alienated Youth</i>	243
<i>The Activists</i>	244
<i>The Socially Oriented</i>	244
A Point of View	245
REFERENCES	245
<b>Chapter 11 / Social Learning and Authority</b>	248
Categories of Authority	248
Changes of Authority in the Family	249
Emotional Behavior Associated with Authority	252
<i>Generalization of Emotion in Reference to Authority</i>	252
<i>Identification with Authority</i>	253
Authority and the Control of Behavior	254
<i>Authority and the Exercise of Power</i>	254
<i>Authority and "Discipline"</i>	255
Cultural and Social Differences in Social Learning	258
<i>Authority in Primitive Societies</i>	259
<i>Social Class and Authority</i>	260

Authority and Group Processes	261
<i>Productivity of Individuals in Groups</i>	261
A Point of View	262
REFERENCES	264

## **Chapter 12 / The Child and Society** 267

Theoretical Approaches to Understanding the Child in Society	268
<i>Approaches Related to Social Organizations</i>	268
<i>Psychosocial Approaches</i>	272
The Child and the Social Structure	274
<i>Microsocial Orders</i>	274
<i>Psychosocial Factors in the Child's Behavior in Society</i>	277
Social Control of the Child	279
<i>Social Power through the Legal System</i>	280
<i>Social Systems of Control through Institutions</i>	281
A Point of View	283
REFERENCES	283

## **Chapter 13 / Developmental Disorders** 285

Functional Behavior Disorders	286
<i>Theoretical and Empirical Approaches</i>	286
<i>Types of Functional Behavior Disorders</i>	289
<i>Symptoms of Functional Behavior Disorders</i>	296
<i>Psychophysiological Disorders</i>	299
Constitutional Behavior Disorders	301
<i>Theoretical and Empirical Approaches</i>	302
<i>Types of Constitutional Behavior Disorders</i>	303
<i>Severe Mental Disorders</i>	306
<i>Mental Retardation</i>	308
Ameliorative Methods	309
<i>Psychotherapy</i>	310
<i>Psychoactive Drugs</i>	315
A Point of View	317
REFERENCES	317

<b>Chapter 14 / Methods and Theories Contributing to Child and Adolescent Psychology</b>	<b>324</b>
The Methods of Science	325
<i>Symbolization</i>	325
<i>Description</i>	326
<i>Explanation</i>	326
<i>Theorization</i>	326
Current Research Approaches	327
<i>The Classical Experimental Method</i>	328
<i>The Control Test Method</i>	331
<i>The Equated Group Method</i>	331
<i>The Differential Method</i>	332
<i>The Cross-sectional Method</i>	332
<i>The Longitudinal Method</i>	333
Techniques for Research	334
<i>The Psychometric Technique</i>	334
<i>The Questionnaire Technique</i>	335
<i>The Anecdotal Technique</i>	335
<i>The Observational Technique</i>	335
<i>The Projective Technique</i>	337
<i>The Case History Technique</i>	339
Validity and Reliability of Measurements	339
Automation in Research	340
Theoretical Approaches to Developmental Behavior	341
<i>Psychoanalytic Theory</i>	342
<i>Field Theory</i>	343
<i>Organismic Theory</i>	343
<i>Ontogenetic Theory</i>	344
<i>Cognitive Developmental Theory</i>	345
<i>Cultural Anthropological Theory</i>	345
<i>Stimulus-Response Theory</i>	346
A Point of View	348
REFERENCES	348
Name Index	351
Subject Index	357