Contents

Chapter 1 **Structural Invariance in the Developmental Analysis of Learning** **1**
C. J. Brainerd

Background 4
One-Stage Learning 14
Two-Stage Learning 22
Theory and Metatheory in the Development of Learning 28
Reference Notes 33
References 34

Chapter 2 **The Learning Paradigm as a Technique for Investigating Cognitive Development** **37**
Bruce A. Linder and Linda S. Siegel

Historical Precedents 38
Methodological Difficulties with Traditional Assessment 40
Training as a Technique to Assess Cognitive Processes 42
Factors in Discrimination Learning 45
Future Directions for Research 56
Summary 56
Reference Note 57
References 58

Chapter 3 **A Learning Analysis of Spatial Concept Development in Infancy** **61**
C. Donald Heth and Edward H. Cornell

The Psychologies of Learning and Development 62
A Markovian Analysis of the Development of a Concept ... 72
Concluding Summary 81
References 82

Chapter 4 **Research Strategies for a Cognitive Developmental Psychology of Instruction** **85**
Robert Kail

Selection of Tasks 87
Experimental Designs 92
Analysis of Data 97
Concluding Remarks 101
Reference Notes 102
References 102

Chapter 5 **Social Learning, Causal Attribution, and Moral Internalization** **105**
David G. Perry and Louise C. Perry

The Attributional and Social Learning Analyses of Moral Internalization 106
Techniques of Socialization: Recent Attribution Research ... 110
Developmental Factors in Attribution 123
A Paradox: Conflicting Laboratory and Field Evidence on the Effects of Firm Control 125
The Development of Moral Internalization: An Integration of Social Learning and Attribution Principles 128
Reference Notes 131
References 132

Chapter 6 **Ordinary Learning: Pragmatic Connections Among Children's Beliefs, Motives, and Actions** **137**
Scott G. Paris and David R. Cross

Recursive Motivated Learning 138
Antecedents to Task Engagement 145
Task Engagement 152
Consequent Activities 154
Continuing Learning and Development 159

Summary 162
Reference Notes 163
References 163

Chapter 7 Learning from Children Learning 171
John D. Bransford and Karen Heldmeyer

Cognitive Advantages of the Child's World 173
Motivational Advantages of the Child's World 178
Summary and Implications for Research 183
Reference Notes 186
References 186

Author Index 191

Subject Index 199