
Contents

List of Contributors, ix

Preface, xi

1 Structure and Function: A Comparison of Two Views of the Development of Language and Cognition

Barry J. Zimmerman and Grover J. Whitehurst

Introduction, 1

Contemporary Structural Theories, 4

Contemporary Functional Theories, 9

Issues Dividing Structural and Functional Viewpoints, 15

Conclusion, 19

References, 20

2 The Development of Skills

Kenneth Kaye

A Skill Is a Schema, 24

Formal Structures Do Not Develop, 27

The Functional Structure of Skills, 35

Differentiation and Integration, 40

Imitation, 45

Conclusion, 52

References, 53

3 Concepts and Classification

Barry J. Zimmerman

Two Traditions in Cognitive Psychology, 57
Abstraction Theory: Characteristics and Criticisms, 59
Principles of a Modern Functional Approach, 61
Piaget's Structural Theory of Concept Development, 74
Piaget's Theory Considered in Light of New Evidence, 77
Conclusion, 79
References, 80

4 Children's Thinking: The Search for Limits

Robert S. Siegler

Possible Limits on Children's Thinking, 83
Piaget's Theory of Cognitive Development, 86
Empirical Research Testing Piaget's Theory, 93
Explaining the Development of Logical Reasoning: What Are the Limits? 105
A Closing Thought, 110
References, 110

5 Meaning and Semantics

Grover J. Whitehurst

Introduction, 115
Theories of Meaning, 116
A Broad-Spectrum Functional Analysis of Meaning, 124
Final Discussion, 136
References, 137

6 Language Acquisition: Linguistic Structure and Rule-Governed Behavior

Irvin Brown, Jr.

Perspectives on the Modern Study of Language and Language Acquisition, 142
A Social-Learning Paradigm for the Study of Language Acquisition, 155
References, 171

7 Referential Communication

Steven R. Asher

Introduction, 175
Listener Analytic Skills, 177

Task Analytic Skills, 184
Message Analytic Skills, 189
Referential Communication and Ecological Validity, 193
Conclusion, 194
References, 195

8 Process and Structure in Children's Memory

Peter A. Ornstein and Kathleen Corsale

Introduction, 199
Multistore Models of Memory, 201
Depth-of-Processing Models, 209
Depth-of-Processing and Multistore Frameworks; Do They Differ? 218
Relationships to Other Current Research Emphases, 219
Concluding Remarks, 223
References, 224

9 Moral Development: A Theoretical and Empirical Analysis

Robert M. Liebert

Introduction, 229
The Moral Sphere, 230
The Structural Approach to Moral Development, 232
Evaluation of the Two Major Structural Propositions, 238
The Functional Approach to Moral Development, 247
References, 260

10 Applying a Cognitive Behavioral View to Clinical and Social Problems

Ted L. Rosenthal

A Cognitive Behavioral Approach to Human Behavior, 265
The Deliberate Development of Language Skills, 269
Developing Conceptual Skills, 274
Teaching Adjustment Skills, 279
The Deliberate Development of Self-Control, 284
References, 287

Author Index, 295

Subject Index, 307