

Table of Contents

Preface

ix

PART 1: CRITICAL THEORETICAL ISSUES

1

Language Development from an Evolutionary Perspective
Michael Studdert-Kennedy

5

2

Symbols and Syntax: A Darwinian Approach
to Language Development
Elizabeth Bates, Donna Thal, and Virginia Marchman

29

3

How the Acquisition of Nouns May Be Different
from That of Verbs
Michael P. Maratsos

67

4

Concepts and Meaning in Language Development
Katherine Nelson

89

5

Representation and Expression
Lois Bloom

117

PART 2:
PRECURSORS OF LANGUAGE IN PRIMATES

- 6
Comparative Perspectives of Brain, Cognition,
and Language
Duane M. Rumbaugh, William D. Hopkins,
David A. Washburn, and E. Sue Savage-Rumbaugh 145

- 7
The "Postural Origins" Theory of Primate
Neurobiological Asymmetries
Peter F. MacNeilage 165

- 8
Developmental Changes in Nonhuman Primate Patterns
of Brain Lateralization for the Perception of Speech Cues:
Neuroelectrical Correlates
Dennis L. Molfese and Philip A. Morse 189

- 9
Language Learning in the Bonobo: How and Why
They Learn
E. Sue Savage-Rumbaugh 209

- 10
Imitation, Grammatical Development, and the Invention
of Protogrammar by an Ape
Patricia M. Greenfield and E. Sue Savage-Rumbaugh 235

PART 3:
LANGUAGE ACQUISITION IN CHILDREN

- 11
The Phylogeny and Ontogeny of Language Function
A. Charles Catania 263

12

The Role of Social Interaction in Early Language
Development

Andrew Lock

287

13

Language Comprehension: A New Look
at Some Old Themes

Kathryn Hirsh-Pasek and Roberta Michnick Golinkoff

301

14

Recharting the Course of Language Acquisition:
Studies in Elicited Production

Stephen Crain and Rosalind Thornton

321

15

Motor Aspects of Emergent Speech:
A Dynamic Approach

Esther Thelen

339

16

Linguistic and Spatial Development: Dissociations
Between Cognitive Domains

Ursula Bellugi, Amy Bihrlé, and David Corina

363

PART 4:

ACQUISITION BY INSTRUCTION IN THE LANGUAGE DELAYED

17

On Differentiated Language-Learning Models and
Differentiated Interventions

Keith E. Nelson

399

18

Patterns of Language Learning by Instruction: Evidence
from Nonspeaking Persons with Mental Retardation

Mary Ann Ronski and Rose A. Sevcik

429

19		
Children with Specific Language Impairment: Toward a Model of Teachability		
Mabel L. Rice		447
20		
Communicative Intent and Its Realizations Among Persons with Severe Intellectual Deficits		
James E. McLean and Lee Snyder-McLean		481
Author Index		509
Subject Index		523