

# CONTENTS

<i>Contributing Authors</i>	xi
<i>Preface</i>	xvii

## I. Ecological Perspective of Aphasia

- |                                                                                                                                                         |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. An Ecological Perspective on Assessment and Treatment of Aphasia<br><i>Leonard L. LaPointe</i>                                                       | 1  |
| 2. Utilizing Trained Volunteers to Treat Aphasia: A Potential Plagued with Malignant Misinterpretation and Enigmatic Evidence<br><i>Robert T. Wertz</i> | 5  |
| 3. Communicative Partners: Their Value in Reestablishing Communication with Aphasic Adults<br><i>Jon G. Lyon</i>                                        | 11 |
| 4. A Trip Down Easy Street<br><i>Nina N. Simmons</i>                                                                                                    | 19 |

## II. Evaluation and Description of Anatomy and Physiology

- |                                                                                                                                                                                                       |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 5. Temporoparietal Cortex: The Common Substrate for Aphasia<br><i>E. Jeffrey Metter</i><br><i>Wayne R. Hanson</i><br><i>Catherine A. Jackson</i><br><i>Daniel Kempler</i><br><i>Diana Van Lancker</i> | 31 |
| 6. Comparison of Language Profiles and Electrocortical Dysfunction in Aphasia<br><i>Sandra Bond Chapman</i><br><i>Kenneth D. Pool</i><br><i>Terese Finitzo</i><br><i>Chi-Tzong Hong</i>               | 41 |
| 7. The Effect of Focal Cerebral Lesions on Intramodal and Cross-modal Orienting of Attention<br><i>Donald A. Robin</i><br><i>Matthew Rizzo</i>                                                        | 61 |

8. Tomographic Regional Cerebral Blood Flow  
Activation During Phoneme Detection in Normal  
and Aphasic Subjects 75  
*Delaina Walker-Batson*  
*Michael D. Devous, Sr.*  
*Kathleen K. Millay*  
*Sharon B. Reynolds*  
*Ajai J. Ajamani*  
*Dorothy E. Grant*  
*Frederick J. Bonte*

9. The Right Hemisphere's Role in Recovery from  
Aphasia: Evidence from Intracarotid Sodium  
Amytal Testing 91  
*Audrey L. Holland*  
*Dauida Fromm*

### III. Evaluation and Testing: Aphasia

10. The Boston Naming Test: Revised Administration and  
Scoring Procedures and Normative Information for  
Non-Brain-Damaged Adults 103  
*Linda E. Nicholas*  
*Robert H. Brookshire*  
*Donald L. MacLennan*  
*James G. Schumacher*  
*Shirley A. Porrazzo*

11. The Differentiation of Normal from Aphasic  
Performance Using PICA Discriminant  
Function Scores 117  
*Deborah Brauer*  
*Malcolm R. McNeil*  
*Joseph R. Duffy*  
*Robert L. Keith*  
*Michael J. Collins*

12. Does SPICA Mean PICA? 131  
*Pat Holtzapple*  
*Karen Pohlman*  
*Leonard L. LaPointe*  
*Lisa Fletcher Graham*

**IV. Evaluation and Testing: Apraxia**

13. The Limb Apraxia Test: An Imitative Measure of Upper Limb Apraxia 145  
*Joseph R. Duffy*  
*Robert J. Duffy*
14. The Limb Apraxia Test: Development of a Short Form 161  
*Joseph R. Duffy*  
*Robert J. Duffy*  
*Deborah Uryase*
15. A Comparison of Labiomandibular Kinematic Durations, Displacements, Velocities, and Dysmetrias in Apraxic and Normal Adults 173  
*Malcolm R. McNeil*  
*Michael P. Caligiuri*  
*John C. Rosenbek*

**V. Treatment Principles**

16. Generalization Research in Aphasia: A Review of the Literature 195  
*Cynthia K. Thompson*
17. The Generalization of Response Elaboration Training Effects 223  
*Kevin P. Kearns*  
*Gail Potechin Scher*
18. Can Generalization Differentiate Whether Learning or Facilitation of a Process Occurred? 247  
*Michael P. Sullivan*  
*Robert H. Brookshire*

**VI. Aphasia Type Descriptions**

19. Slowly Progressive Aphasia 257  
*Daniel Kempler*  
*Catherine A. Jackson*  
*E. Jeffrey Metter*  
*D. Frank Benson*  
*Wayne R. Hanson*  
*Walter H. Riege*

20. The Role of Perseveration in Aphasic Confrontation  
Naming Performance 271  
*Patricia A. Emery*  
*Nancy Helm-Estabrooks*
21. Real-time Sentence Processing in Aphasia 281  
*Lewis P. Shapiro*  
*Beth A. Levine*

## VII. Treatment Paradigms

22. Comparison of Two Modes of Aphasia Treatment:  
Clinician and Computer-Clinician Assisted 297  
*Felice L. Loverso*  
*Thomas E. Prescott*  
*Marilyn Selinger*  
*Lyanne Riley*
23. A Computer Program to Improve Written  
Confrontation Naming in Aphasia 321  
*Richard C. Katz*  
*Robert T. Wertz*  
*Marsha Davidoff*  
*Yvonne D. Shubitowski*  
*Elizabeth West Devitt*
24. Drawing: Its Use as a Communicative Aid with  
Aphasic and Normal Adults 339  
*Jon G. Lyon*  
*Elizabeth Sims*
25. Syntactic Facility in Fluent Aphasia 357  
*Catherine A. Jackson*  
*Daniel Kempler*  
*Wayne R. Hanson*  
*Susan Curtiss*  
*E. Jeffrey Metter*  
*Diana Van Lancker*
26. Clinical Utility of a Semantic Categorization Task 369  
*Susan T. Jackson*  
*Connie A. Tompkins*
27. Reducing Phonemic Paraphasias in the Connected  
Speech of a Conduction Aphasic Subject 379  
*Mary Boyle*

28. Visual Action Therapy for Bucco-Facial Apraxia 395  
*Gail Ramsberger*  
*Nancy Helm-Estabrooks*

### **VIII. Auditory Processing and Visual Processing**

29. Contextual Influences on the Auditory Comprehension of Normally Stressed Targets by Aphasic Listeners 407  
*Mikael D. Z. Kimelman*  
*Malcolm R. McNeil*
30. Quantitative and Qualitative Comparisons of Auditory Comprehension and Reading in Aphasia 421  
*Craig W. Linebaugh*
31. Sentence Comprehension in Context: Influence of Prior Visual Stimulation? 433  
*Michael P. Cannito*  
*Deanie Vogel*  
*Robert S. Pierce*
32. The Effects of Picture Content on Descriptions by Aphasic and Non-Brain-Damaged Speakers 447  
*Louise Correia*  
*Robert H. Brookshire*  
*Linda E. Nicholas*
33. Recovery of Auditory Comprehension After One Year: A Computed Tomography Scan Study 463  
*Ann Gaddie*  
*Margaret A. Naeser*  
*Carole L. Palumbo*  
*Denise Stiassny-Eder*

### **IX. Aphasia Discourse**

34. Comparison of Spontaneous and Elicited Oral-Expressive Language in Aphasia 479  
*Jan Avent Roberts*  
*Robert T. Wertz*

35. The Effects of Theme Presentation on the Comprehension and Interpretation of Narrative Discourse in Adults with Brain Damage <i>Monica S. Hough</i> <i>M. Jeanne Wilcox</i>	489
36. Contextual Influences on Category Concept Generation in Aphasia <i>Monica S. Hough</i> <i>Robert S. Pierce</i>	507
<i>Index</i>	521