

CONTENTS

Preface ix

PART I: CONTEMPORARY ISSUES IN SPEECH PERCEPTION , edited by <i>David B. Pisoni</i>	1
1. The Nature and Function of Phonetic Categories , <i>Michael Studdert-Kennedy</i>	5
The Function of Phonetic Categories	6
Categorical Perception	7
Auditory and Phonetic Processes in Categorical Perception	10
Precategorical Acoustic Storage (PAS)	12
The Problem of Phonetic Transcription	14
The Nature of Phonetic Categories	15
Conclusion	18
References	19
2. Selective Adaptation to Speech , <i>William E. Cooper</i>	23
Perceptual Adaptation to Consonant Cues	24
Perceptuomotor Adaptation to Speech	43
Visuoauditory Adaptation	48
Concluding Remarks	50
References	51

3. A Normative Model for Redundancy Gains in Speech, Charles C. Wood	55
Auditory and Phonetic Processes in Speech	
Perception: Serial or Parallel?	55
Redundancy Gains in Discrimination: A Brief Review	59
Three Process Models	62
A Normative Model Based on Decision Combination	64
Application of the Normative Model to Redundancy Gains for Auditory and Phonetic Dimensions	70
Conclusions	73
References	75
4. Dichotic Listening and Processing Phonetic Features, David B. Pisoni	79
Auditory and Phonetic Stages of Processing	81
Feature-Sharing Advantage	82
Lag Effect	85
Dichotic Recognition Masking	87
Stages of Processing	94
The Right Ear Advantage and the Lag Effect	97
Final Remarks	98
References	99
 PART II: CONTEMPORARY APPROACHES TO JUDGMENT, edited by N. John Castellan, Jr. and Harold R. Lindman	 103
5. Expectancy and Judgment, Michael H. Birnbaum	107
A Theory of Expectancy	108
Experimental Illustration	111
Systemtextual Design	114
Elaborations	116
References	117
 6. The Mind, the Model, and the Task, Robyn M. Dawes	 119

- 7. Bayes' Theorem: Can a Theory of Judgment and Inference Do without It?**, *Gordon F. Pitz* 131

PART III: MODELS OF SHORT-TERM MEMORY,
edited by Richard M. Shiffrin 149

- 8. Short-Term Storage: The Ordered Output of a Central Processor**, *Robert A. Bjork* 151

The Human Memory System	152
The Role of Rehearsal	156
Discussion	163
References	169

- 9. A Process View of Short-Term Retention**,
Fergus I. M. Craik and Larry L. Jacoby 173

Classic Features of Short-Term Retention	179
Some Illustrative Experiments	181
Conclusions	187
Concluding Comments	190
References	190

- 10. Short-Term Store: The Basis for a Memory System**,
Richard M. Shiffrin 193

The Role of Sensory Registers, or Sensory Icons	197
The Locus of Selective Attention	199
Retrieval from Short-Term Store	199
Short-Term Store Capacity and Forgetting	201
Transfer from Short-Term Store to Long-Term Store	206
Retrieval from Long-Term Store and Long-Term Forgetting	208
Summary	211
Comparison with the Chapters by Bjork and Craik and Jacoby	212
References	215

PART IV: COGNITIVE STRUCTURES , edited by <i>Frank Restle</i>	219
11. Integration and Inference in Children's Comprehension and Memory , <i>Scott G. Paris</i>	223
Beyond the Information Given	224
Semantic Integration	225
Problem	226
Semantic Integration in Children's Memory	226
Children's Comprehension of Prose	232
Discussion	240
Implications for Developmental Theory and Research	241
References	244
12. Bringing Order to Cognitive Structures , <i>George R. Potts</i>	247
Storing and Retrieving Information about Linear Orderings	249
The Cognitive Structure of a Linear Ordering	253
Individual Subject Data	258
Storing Information Other Than Linear Orderings	263
Incorporating New Information into an Existing Cognitive Structure	266
Summary and Conclusions	268
References	269
13. Answering Questions from Cognitive Structures , <i>Frank Restle</i>	271
Balance Theory	273
Narratives	277
Effect of Questions on Structure	283
Conclusions	287
References	289
Author Index	291
Subject Index	298