

Contents

Author Biographies	vii
Introduction	1
1 Bilingualism: A Short Introduction	5
<i>François Grosjean</i>	
1.1 The Extent of Bilingualism	6
1.2 Describing Bilinguals	7
1.3 The Functions of Languages	11
1.4 Language Mode	14
1.5 Interacting with Bilinguals and Monolinguals	17
1.6 Biculturalism	21
I SPOKEN LANGUAGE PROCESSING	27
2 Speech Perception and Comprehension	29
<i>François Grosjean</i>	
2.1 From the Speech Wave to the Mental Representation	30
2.2 Processing Monolingual Speech	33
2.3 Processing Bilingual Speech	39
3 Speech Production	50
<i>François Grosjean</i>	
3.1 From Thought to Articulation	51
3.2 Producing Monolingual Speech	52
3.3 Language Production in Bilinguals Is a Dynamic Process	54
3.4 Producing Bilingual Speech	59
II WRITTEN LANGUAGE PROCESSING	71
4 Reading	73
<i>Annette M.B. de Groot</i>	
4.1 An Outline of the Reading Process	74
4.2 Word Recognition in Bilinguals	76
4.3 Models of Bilingual Visual Word Recognition	87
4.4 Sentence Processing in Bilinguals	91

5 Writing	100
<i>Rosa M. Manchón</i>	
5.1 The Psycholinguistics of Bilingual Writing: Mapping the Terrain	102
5.2 Bilingual Text Production Activity: Processes and Strategies	105
5.3 The Transfer of Knowledge and Skills in Bilingual Writing	111
III LANGUAGE ACQUISITION	117
6 Simultaneous Language Acquisition	119
<i>Virginia Yip</i>	
6.1 Theoretical Issues	121
6.2 Methodological Issues	124
6.3 Early Developmental Stages and Language Differentiation	129
6.4 Cross-linguistic Influence	130
6.5 Code-mixing	133
6.6 Extensions and Applications	137
7 Successive Language Acquisition	145
<i>Ping Li</i>	
7.1 Age Effects in Second Language Acquisition	146
7.2 Speech Learning in Successive Language Acquisition	151
7.3 Dynamic Interaction between First Language and Second Language	155
IV COGNITION AND THE BILINGUAL BRAIN	169
8 Bilingual Memory	171
<i>Annette M.B. de Groot</i>	
8.1 The Organization of the Bilingual Mental Lexicon	172
8.2 Bilingual Concepts	181
8.3 Bilingual Autobiographical Memory	186
9 Cognitive Effects	192
<i>Ellen Bialystok and Raluca Barac</i>	
9.1 Language and Metalinguistic Abilities	193
9.2 Acquisition of Literacy	198
9.3 Developing Executive Control	202
9.4 Advantages of Bilingualism across the Lifespan	206
10 Neurolinguistic and Neurocomputational Models	214
<i>Ping Li</i>	
10.1 Neurolinguistic Traditions and Debates	215
10.2 The Cognitive Neuroscience of Bilingualism	220
10.3 Neurolinguistic Computational Modeling	228
Index	239