Contents

| | | of figu | 703 | page |
|-------|-------------------|--|--|------|
| | Pre | face | | |
| | List | of abb | previations | , |
| | | 4.5.3 | | |
| 1 | Intr | oductio | | |
| | 1.1 | Overvi | | |
| | 1.2 | | ies, frameworks, and safety zones | |
| | 1.3 | | nological and conceptual traps | |
| | 1.4 | | os and cons of compartmentalisation: SLA as a case in point | t |
| | 1.5 | The second secon | fertilisation | |
| | 1.6 | | MOGUL 'prehistory' | |
| | 1.7 | | UL: the basics | |
| | | 1.7.1 | The main components | |
| | | 1.7.2 | Interface systems | |
| | | 1.7.3 | MOGUL in context | |
| | 1.8 | An out | tline of the chapters to follow | |
| | 1.9 | | er summary | |
| | | 1.11 | 3.3.5 Activation serves noticentolist bag econsorer | |
| | | | | |
| _ | The second second | | | |
| t I | The | frame | ework | |
| | | | | |
| t I 2 | | | age module: architecture and representations | |
| | | langua | age module: architecture and representations | |
| | The | langua | age module: architecture and representations er outline | |
| | The 2.1 | langua Chapte | age module: architecture and representations er outline larity Modularity in general | |
| | The 2.1 | langua Chapte Modul | age module: architecture and representations er outline larity Modularity in general Modularity in language | |
| | The 2.1 | Chapte Modul 2.2.1 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity | |
| | The 2.1 | Chapte Modul 2.2.1 2.2.2 2.2.3 | age module: architecture and representations er outline larity Modularity in general Modularity in language | |
| | The 2.1 2.2 | Chapte Modul 2.2.1 2.2.2 2.2.3 The lar 2.3.1 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity nguage module(s) in MOGUL The general architecture | |
| | The 2.1 2.2 | Chapte Modul 2.2.1 2.2.2 2.2.3 The lar | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL | |
| | The 2.1 2.2 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores | |
| | The 2.1 2.2 | langua Chapte Modul 2.2.1 2.2.2 2.2.3 The lan 2.3.1 2.3.2 2.3.3 2.3.4 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity | |
| | The 2.1 2.2 2.3 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 2.3.4 2.3.5 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity Representations: the locus of language development | |
| | The 2.1 2.2 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 2.3.4 2.3.5 Repres | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity Representations: the locus of language development sentations at SS | |
| | The 2.1 2.2 2.3 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 2.3.4 2.3.5 Repres 2.4.1 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity Representations: the locus of language development sentations at SS Syntactic categories and combinations of syntactic categories | |
| | The 2.1 2.2 2.3 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 2.3.4 2.3.5 Repres 2.4.1 2.4.2 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity Representations: the locus of language development sentations at SS | |
| | The 2.1 2.2 2.3 | langua Chapte Modul. 2.2.1 2.2.2 2.2.3 The lar 2.3.1 2.3.2 2.3.3 2.3.4 2.3.5 Repres 2.4.1 | age module: architecture and representations er outline larity Modularity in general Modularity in language Jackendoff's version of modularity Inguage module(s) in MOGUL The general architecture Processors Lexical stores MOGUL and the nature of modularity Representations: the locus of language development sentations at SS Syntactic categories and combinations of syntactic categories | |

| | 2.5 | Representations at CS | 48 |
|---|------|--|-----|
| | | 2.5.1 Conceptual role items | 49 |
| | | 2.5.2 Conceptual grids | 50 |
| | 2.6 | Connections among SS, CS, and PS items | 50 |
| | | 2.6.1 Words: whole-form vs. decompositional storage/access | 50 |
| | | 2.6.2 Beyond subcategorisation frames | 52 |
| | | 2.6.3 Functional categories: form and meaning | 54 |
| | | 2.6.4 A note on indexes | 56 |
| | 2.7 | Representations and the notion of knowledge | 57 |
| | 2.8 | Working memory | 58 |
| | | 2.8.1 Research and theory on working memory | 58 |
| | | 2.8.2 Working memory in MOGUL | 60 |
| | 2.9 | Chapter summary | 61 |
| 3 | Prod | cessing in the language module | 64 |
| | 3.1 | Chapter outline | 64 |
| | 3.2 | Theory and research on processing | 64 |
| | 3.2 | 3.2.1 Processing and linguistic theory | 64 |
| | | 3.2.2 Modularity and interaction | 65 |
| | | 3.2.3 Competition agent languages to the languagement E.I. | 66 |
| | | 3.2.4 Incremental processing | 67 |
| | | 3.2.5 Activation | 68 |
| | | 3.2.6 Dual storage and processing as a race | 70 |
| | | 3.2.7 Serial vs. parallel processing | 71 |
| | 3.3 | Processing in MOGUL among an and and and and and an and an analysis and analysis and an analys | 72 |
| | 0.0 | 3.3.1 Processing and linguistic theory | 72 |
| | | 3.3.2 Modularity and interaction | 73 |
| | | 3.3.3 Competition would be resigned and to unition and 8.1 | 74 |
| | | 3.3.4 Incremental processing | 74 |
| | | 3.3.5 Activation | 75 |
| | | 3.3.6 Dual storage and processing as a race | 78 |
| | | 3.3.7 Serial vs. parallel processing | 82 |
| | 3.4 | Putting the elements together: the nature of processing activity | 82 |
| | | 3.4.1 The process | 82 |
| | | 3.4.2 An example | 84 |
| | | 3.4.3 Another example: input including a fixed expression | 88 |
| | | 3.4.4 Processing as dynamic equilibrium | 89 |
| | | 3.4.5 A note on neurological plausibility | 90 |
| | 3.5 | The place of an L2 in the language module | 91 |
| | 3.6 | Chapter summary THOOM ALCOHOLOGO SEAUGHALOGT C.S. | 91 |
| 4 | Gro | owth of the language module: acquisition by processing | 93 |
| | 4.1 | Chapter outline Annual Chapter | 93 |
| | 4.2 | Acquisition by processing | 93 |
| | 7.2 | 4.2.1 The logic of APT | 96 |
| | | 4.2.2 APT and priming | 98 |
| | | 4.2.3 APT and dynamic systems | 99 |
| | | 4.2.4 APT and connectionism | 100 |
| | | 4.2.5 APT and emergentist approaches | 100 |
| | | 4.2.6 APT as a strong claim | 101 |
| | | 4.2.7 What is acquired? | 102 |

Contents ix

| | | Development within a store: representations | and then |
|-------------|---|---|--|
| | | activation levels | |
| | 4.2.9 | Development of connections between stores | : indexes and |
| | | their activation levels | Displor |
| | 4.2.10 | Conclusion | |
| 4.3 | The gr | owth of syntactic structures | |
| | 4.3.1 | Syntactic categories and combinations of syn | ntactic categories |
| | 4.3.2 | Functional categories | |
| 4.4 | The gr | owth of conceptual structures | |
| | 4.4.1 | Conceptual role items | |
| | 4.4.2 | Conceptual grids | 643 |
| | 4.4.3 | Crosslinguistic variation in conceptual role a | assignment |
| 4.5 | The gr | owth of some combinations of SS, CS, and PS | items |
| | 4.5.1 | Words: whole-form vs. decompositional stor | |
| | 4.5.2 | Beyond subcategorisation frames | |
| | 4.5.3 | Constructions vs. principles and parameters | |
| | 4.5.4 | Functional categories | |
| | 4.5.5 | Influences of conceptual processing on the g | rowth of SS |
| 4.6 | | n perspective | |
| 1.0 | 4.6.1 | Hypotheses and rules | |
| | 4.6.2 | Principles guiding acquisition | |
| | 4.6.3 | APT and working memory | |
| | 4.6.4 | Language acquisition outside the language n | |
| | | | liodule |
| 17 | 4.6.5 | The role of frequency | |
| 4.7 | Chapte | er summary | |
| | | | |
| Bey | ond the | e language module | |
| | | e language module | |
| 5.1 | Chapte | er outline Samuenal bhoose a lo | |
| | Chapte The ov | er outline verall architecture of the mind | |
| 5.1 | Chapte The ov 5.2.1 | er outline verall architecture of the mind Processors and information stores | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 | er outline verall architecture of the mind Processors and information stores Perceptual processing units | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited | |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion | |
| 5.1 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion uture of knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.2.0 Studying 7.2.0 Studying 7.2.4 Studying 67.2.5 67.2.5 7.2.8 7.2.8 |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion uture of knowledge Non-linguistic knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.2.1 7.2.4 g glid 2.00 st 7.2.4 g (7.2.5 17.2.5 17.2.8 17.2.8 |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.2.4 g spletholds 7.2.4 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.6 g spletholds 7.2.8 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.10 g spletholds 7.3 s |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion uture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning | 7.1 Chapter 7.2 Studying 7.2.1 7.2.1 7.2.4 g glid 2.00 st 7.2.4 g (7.2.5 17.2.5 17.2.8 17.2.8 |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion uture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography | 7.1 Chapter 7.2 Studying 7.2.1 7.2.4 g spletholds 7.2.4 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.6 g spletholds 7.2.8 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.10 g spletholds 7.3 s |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion uture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning | 7.1 Chapter 7.2 Studying 7.2.1 7.2.4 g spletholds 7.2.4 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.6 g spletholds 7.2.8 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.10 g spletholds 7.3 s |
| 5.1 5.2 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.2.4 g spletholds 7.2.4 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.6 g spletholds 7.2.8 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.10 g spletholds 7.3 s |
| 5.1 5.2 5.3 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 5.3.5 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.2.4 g spletholds 7.2.4 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.5 g spletholds 7.2.6 g spletholds 7.2.8 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.9 g spletholds 7.2.10 g spletholds 7.3 s |
| 5.1 5.2 5.3 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 5.3.5 Growth | er outline rerall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge h The growth of non-linguistic knowledge | 7.1 Chapter 7.2 Studying 7.2.1 7.3.4 § 2014 0.014 7.2.5 7.2.4 § 60.02.6 mi 7.2.5 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.10 7.2.20 7.20 7 |
| 5.1 5.2 5.3 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 5.3.5 Growth 5.4.1 5.4.2 | er outline Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge h The growth of non-linguistic knowledge The growth of metalinguistic knowledge | 7.1 Chapter 7.2 Stodying 7.2.1 7.2.1 7.2.4 g glob 2.6.1 7.2.4 g 7.2.5 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.9 7.2.8 7.2.9 |
| 5.1 5.2 5.3 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 5.3.5 Growth 5.4.1 5.4.2 5.4.3 | er outline verall architecture of the mind Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge h The growth of non-linguistic knowledge The growth of metalinguistic knowledge The growth of word meaning | 7.1 Chapter 7.2 Stodying 7.2.1 7.2.1 7.2.4 September 17.2.5 7.2.4 September 17.2.5 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.2.8 7.4.8 7.4.4 |
| 5.1 5.2 5.3 | Chapte The ov 5.2.1 5.2.2 5.2.3 5.2.4 5.2.5 5.2.6 5.2.7 5.2.8 5.2.9 The na 5.3.1 5.3.2 5.3.3 5.3.4 5.3.5 Growth 5.4.1 5.4.2 | er outline Processors and information stores Perceptual processing units Visual structures (VS) Auditory structures (AS) Perceptual output structures (POpS) Conceptual structures (CS) Affective structures (AfS) Modularity revisited Conclusion sture of knowledge Non-linguistic knowledge Metalinguistic knowledge Word meaning Orthography The place of emotion in knowledge h The growth of non-linguistic knowledge The growth of metalinguistic knowledge | 7.1 Chapter 7.2 Stodying 7.2 Stodying 7.2.1 7.2.4 g glob 2.6 st 7.2.5 7.2.8 7.2.8 7.2.9 7.2.9 7.2.9 7.2.9 7.2.10 7.4.1 7.4.1 7.4.2 7.4.4 7.4.4 7.4.4 |

Part II Applying the framework

| 6 | The | bilingu | al mind introduced | 181 |
|---|-----|---------|---|-----|
| | 6.1 | | outline outline | 181 |
| | 6.2 | | the boundaries | 181 |
| | 6.3 | Bilingu | alism: an overview | 182 |
| | 0.0 | 6.3.1 | Multiple systems as the norm | 184 |
| | 6.4 | Langua | ge systems in the mind: the differentiation problem | 185 |
| | | 6.4.1 | Avoiding Babel | 186 |
| | | 6.4.2 | The Language Tagging Hypothesis | 187 |
| | | 6.4.3 | The Conceptual Triggering Hypothesis | 188 |
| | | 6.4.4 | Different types of conceptual trigger | 190 |
| | | 6.4.5 | Bilingualism and the concept of native speaker | 191 |
| | | 6.4.6 | Language dominance | 192 |
| | 6.5 | Langua | ge systems in the mind: crosslinguistic influence (CLI) | 194 |
| | 31 | 6.5.1 | Types of CLI | 195 |
| | | 6.5.2 | Crosslinguistic influence in MOGUL | 196 |
| | | 6.5.3 | Code-switching | 198 |
| | 6.6 | | ous versus subconscious bilingual processing | 205 |
| | | 6.6.1 | An overview | 205 |
| | | 6.6.2 | Metalinguistic abilities in bilinguals | 206 |
| | | 6.6.3 | Translation Promote Subfrow Last 19A 6.0.4 | 207 |
| | | 6.6.4 | Interpreting | 209 |
| | | 6.6.5 | Language systems in the brain: a neurolinguistic | |
| | | Process | perspective | 209 |
| | 6.7 | Chapte | er cummary | 211 |
| | | 212 | Modelmire and interactable modulations of the valuable of | 212 |
| 7 | The | | n of a second language | 212 |
| | 7.1 | Chapte | er outline | 212 |
| | 7.2 | Studyi | ng second language acquisition: central issues | 212 |
| | | 7.2.1 | First steps | 212 |
| | | 7.2.2 | Creative construction | 215 |
| | | 7.2.3 | Krashen's contribution to creative construction theory | 216 |
| | | 7.2.4 | The 'UG' group | 217 |
| | | 7.2.5 | Bottleneck, Interfaces, and Interpretability | 220 |
| | | 7.2.6 | Pienemann's Processability Theory | 224 |
| | | 7.2.7 | VanPatten's input processing account | 225 |
| | | 7.2.8 | Carroll's Autonomous Induction Theory | 226 |
| | | 7.2.9 | The generalists in SLA | 227 |
| | | 7.2.10 | MOGUL in relation to earlier approaches | 228 |
| | 7.3 | | nd new languages | 229 |
| | 7.4 | The gr | rowth of phonological and syntactic structures | 230 |
| | | 7.4.1 | A sketch of PS growth | 230 |
| | | 7.4.2 | Syntactic categories | 232 |
| | | 7.4.3 | Subcategorisation frames | 234 |
| | | 7.4.4 | Functional categories | 234 |
| | 7.5 | | rowth of conceptual structures | 238 |
| | | 7.5.1 | Case-conceptual role connections | 238 |
| | | 7.5.2 | Conceptual grids | 238 |
| | | 7.5.3 | Crosslinguistic variation in conceptual role assignment | 239 |
| | | | | |

| Contents | ix Contents |
|----------|-------------|
| | |

| | 7.6 | The gr | owth of some combinations of SS, CS, and PS items | 240 | | |
|---|--------|---|--|-----|--|--|
| | | 7.6.1 | Word meaning | 240 | | |
| | | 7.6.2 | Words: whole-form vs. decompositional storage/access | 243 | | |
| | | 7.6.3 | Beyond subcategorisation frames | 243 | | |
| | | 7.6.4 | Functional categories | 244 | | |
| | 7.7 | The gr | owth of metalinguistic knowledge | 245 | | |
| | 7.8 | Langua | age attrition | 246 | | |
| | 7.9 | Chapte | er summary gordnos bas asgeta 101 | 250 | | |
| 8 | Con | scious | ness and attention | 252 | | |
| | 8.1 | Chapte | er outline mototogo JMDOM A ESCOL | 252 | | |
| | 8.2 | - | ousness familian complies of A.C.O. | 252 | | |
| | mo men | 8.2.1 | The nature and function of consciousness | 252 | | |
| | | 8.2.2 | Awareness of knowledge and its development | 255 | | |
| | 8.3 | | ture of consciousness in MOGUL | 255 | | |
| | 0.5 | 8.3.1 | POpS and consciousness | 255 | | |
| | | 8.3.2 | Affective structures and consciousness | 257 | | |
| | | 8.3.3 | Explaining some characteristics of consciousness | 259 | | |
| | | 8.3.4 | Conclusion | 267 | | |
| | 8.4 | Attenti | | 267 | | |
| | 0.4 | 8.4.1 | Channels, filters, and limited resources | 267 | | |
| | | 8.4.2 | Limited resources and the MOGUL framework | 269 | | |
| | | | | 269 | | |
| | | 8.4.3 | Development inside and outside the language module | 270 | | |
| | | 8.4.4 | Development and the characteristics of automatic processes | 270 | | |
| | | 8.4.5 | The trouble with attention as a theoretical entity | | | |
| | | 8.4.6 | Deriving attentional phenomena in the MOGUL framework | 272 | | |
| | 8.5 | Chapte | er summary | 277 | | |
| 9 | The | The role of consciousness in language growth | | | | |
| | 9.1 | Chapte | er outline | 280 | | |
| | 9.2 | | ousness and growth of a first language | 280 | | |
| | | 9.2.1 | Consciousness and growth of the language module | 280 | | |
| | | 9.2.2 | Consciousness and growth of metalinguistic knowledge | 283 | | |
| | | 9.2.3 | Consciousness and growth of word meaning | 284 | | |
| | | 9.2.4 | Consciousness and growth of orthography | 285 | | |
| | | 9.2.5 | Conclusion: consciousness in the growth of language | 286 | | |
| | 9.3 | | ousness and second language acquisition; noticing and | | | |
| | | understanding Common anthony a safety C. d. III | | | | |
| | | 9.3.1 | The trouble with noticing | 287 | | |
| | | 9.3.2 | The MOGUL approach to noticing | 288 | | |
| | | 9.3.3 | Noticing vs. global awareness of input | 290 | | |
| | | 9.3.4 | Noticing vs. awareness at the level of understanding | 290 | | |
| | | 9.3.5 | Noticing and form–meaning connections | 292 | | |
| | | 9.3.6 | Noticing/understanding and automatic processes | 295 | | |
| | | 9.3.7 | Implicit learning revisited | 296 | | |
| | | 9.3.8 | Noticing the gap | 298 | | |
| | | 9.3.9 | Conclusion | 300 | | |
| | 9.4 | | ations for second language instruction | 300 | | |
| | 7.4 | 9.4.1 | Teaching for metalinguistic knowledge and its use in | 500 | | |
| | | 7.4.1 | performance | 301 | | |
| | | | Delivingue | 001 | | |

| | 9.4.2 Adjusting learners' input | | | | |
|------|--|--|--|--|--|
| | 9.4.3 Teaching metalinguistic knowledge to help learners adjust | | | | |
| | their own input | | | | |
| 9.5 | Chapter summary | | | | |
| Issu | Issues in SLA revisited | | | | |
| 10.1 | Chapter outline | | | | |
| 10.2 | Stages and continua | | | | |
| | 10.2.1 Stages and what's right about them | | | | |
| | 10.2.2 Continua and what's right about them | | | | |
| | 10.2.3 A MOGUL resolution | | | | |
| | 10.2.4 The evidence revisited | | | | |
| | 10.2.5 Conclusion | | | | |
| 10.3 | The initial state and crosslinguistic influence | | | | |
| | 10.3.1 The initial state | | | | |
| | 10.3.2 Crosslinguistic influence | | | | |
| 10.4 | Optionality Commence of the Co | | | | |
| | 10.4.1 The phenomena | | | | |
| | 10.4.2 Optionality in MOGUL | | | | |
| | 10.4.3 Conclusion 4.8 | | | | |
| 10.5 | Ultimate attainment | | | | |
| | 10.5.1 The MOGUL approach to ultimate attainment | | | | |
| | 10.5.2 The case of English past tense forms | | | | |
| | 10.5.3 Optionality as an interface problem | | | | |
| | 10.5.4 A note on individual differences | | | | |
| | 10.5.5 Conclusion | | | | |
| 10.6 | Anxiety in second language acquisition | | | | |
| 10.7 | | | | | |
| Con | nclusion | | | | |
| 11.1 | Chapter outline | | | | |
| 11.2 | | | | | |
| 11.3 | | | | | |
| 11.4 | | | | | |
| | More or fewer modules: the case for parsimony | | | | |
| 11.6 | Some MOGUL reconceptualisations | | | | |
| 11.0 | 11.6.1 What is a representation? | | | | |
| | 11.6.2 What is 'working memory'? | | | | |
| | 11.6.3 What is 'input' in MOGUL? | | | | |
| | 11.6.4 What is a 'lexical item' in MOGUL? | | | | |
| | 11.6.5 What is 'executive function'? | | | | |
| | 11.6.6 What is a 'parsing strategy'? | | | | |
| | 11.6.7 What is 'input enhancement' in MOGUL? | | | | |
| 11.7 | The MOGUL brain | | | | |
| 11.7 | Closing comments | | | | |
| 11.0 | Closing confinents | | | | |
| 150 | | | | | |
| Refe | erences A another than the same of the sam | | | | |
| Inde | or | | | | |