Contents

Acknowledgements – xvii
Preface – xix

PART ONE Background – i
Introduction – 3

1 An introduction to second language acquisition research – 5
What is ‘second language acquisition’? – 5
Case studies of L2 learners – 8
Wong Fillmore’s (1976, 1979) study of five Mexican children – 9
Schumann’s (1978b) study of Alberto – 10
Schmidt’s (1983) study of Wes – 11
Ellis’ (1984a, 1992) study of three classroom learners – 13
Lardiere’s (2007) study of Patty – 15
Issues raised by the case studies – 17
The role of age in L2 acquisition – 19
The effects of age on the rate of second language learning – 20
The effects of age on ultimate achievement – 22
Age-related effects: some general conclusions – 31
A framework for exploring SLA – 33
Summary and conclusion – 36

PART TWO Description: the characteristics of learner language – 39
Introduction – 41

2 Learner errors and error analysis – 45
Introduction – 45
Collection of a sample of learner language – 46
Errors – 47
Identification of errors – 47
Description of errors – 50
Explanation of errors – 53
Evaluating errors – 56
3 Developmental patterns in second language acquisition – 67
   Introduction – 67
   Methods for investigating developmental patterns – 68
   Developmental patterns in L1 acquisition – 69
   Developmental patterns in second language acquisition – 72
   The early stages (The silent period/Formulaic sequences/Structural and semantic simplification) – 73
   The acquisition of grammatical morphemes: order and sequence – 82
   The acquisition of vocabulary – 99
   The acquisition of phonology – 103
   The L2 = L1 hypothesis – 105
   Summary – 110
   Conclusion – 111

4 Variability in learner language – 117
   Introduction – 117
   Some theoretical perspectives – 119
   Sociolinguistic models – 119
   Social-psychological models – 123
   Psycholinguistic models – 125
   Summary and final comment – 127
   A typology of variability in learner language – 128
   Free variation in learner language – 130
   Systematic variation – 134
   Variability in form-function systems – 134
   Sociolinguistic accounts of L2 variability – 137
   Psycholinguistic accounts of L2 variability – 148
   A multi-factor approach – 151
   Summary – 152
   Conclusion – 155

5 Pragmatic aspects of learner language – 159
   Introduction – 159
   Speech acts and illocutionary meaning – 160
PART THREE
Explaining second language acquisition: external factors – 201

Introduction – 203

6 Input, interaction, and second language acquisition – 205

Introduction – 205

Methods for investigating input and interaction – 206
Descriptive methods – 206
Experimental methods – 207
Self-report methods – 208
Introspective methods – 208
Comment – 209

The characteristics of input to language learners – 209
Caretaker talk – 210
Foreigner talk – 213
Interlanguage talk – 220
Summary – 221

The characteristics of interactions involving language learners – 221
Discourse management – 222
Discourse repair – 223
Repair in conversational analysis – 233
Scaffolding – 234
Summary – 238

Input and interaction in first language acquisition – 238

Input and interaction in second language acquisition – 241
Research based on the computational model of L2 acquisition – 241
Sociocultural accounts of interaction and L2 acquisition – 270
Conclusion – 274

7 Social aspects of second language acquisition – 279
Introduction – 279
Psycholinguistic versus sociolinguistic SLA – 281
The social settings of L2 learning – 286
Natural versus educational settings – 288
Natural settings – 290
Educational settings – 300
Summary – 310
Social factors and second language acquisition – 311
Age – 311
Sex and gender – 313
Social class – 316
Ethnic identity – 318
Summary – 323
Situational factors and L2 acquisition – 323
Social theories of L2 acquisition – 326
The Acculturation Model – 326
The Socio-educational Model – 330
The Inter-group Model – 331
Language socialization – 334
Social identity theory – 336
Conclusion – 339

PART FOUR Explaining second language acquisition: internal factors – 343
Introduction – 345

8 Language transfer – 349
Introduction – 349
Terminological issues – 350
The methodology of transfer studies – 351
Transfer as a communication and learning process – 351
Choice of data for the study of transfer – 352
Identifying instances of transfer – 352
Measuring crosslinguistic effects – 354
Early days – 359
The Contrastive Analysis Hypothesis – 359
The minimalist position – 361
Reappraisal - 364
Evidence of transfer effects - 366
Production - 367
Reception - 375
Conceptual transfer - 377
Constraints on transfer - 379
Sociolinguistic factors - 380
Markedness - 381
Prototypicality - 387
Language distance and psychotypology - 390
Developmental factors - 392
Summary - 396

Towards a theory of language transfer - 397
1 Transfer occurs in both communication and in learning - 397
2 Transfer arises as a result of both differences and similarities between the target language and the L1 - 398
3 Transfer works in conjunction with other factors - 399
4 Transfer is both a conscious and subconscious process - 399
5 Transfer is both conceptual and linguistic - 400
6 Transfer is ultimately a subjective phenomenon - 400
Conclusion: problems in the study of transfer - 401

Cognitive accounts of second language acquisition - 405
Introduction - 405
The computational model - 406
The representation of L2 knowledge - 408
Early interlanguage theory - 409
Variable L2 knowledge - 410
Functionalist views of L2 knowledge - 415
Implicit and explicit L2 knowledge - 417
Declarative and procedural L2 knowledge - 427
The dual-mode system - 431
Concluding comments - 433
The processes of L2 acquisition - 434
Micro-processes - 434
Macro-processes - 444
Final comment on the study of processes of L2 acquisition - 454
Cognitive theories of L2 acquisition - 455
The Nativization Model and Operating Principles - 455
The Multidimensional Model and Processability Theory - 458
Emergentist models of L2 language acquisition - 465
The Competition Model - 474
Skill-acquisition theories - 480
Summary - 482
Conclusion - 482

10 Cognitive accounts of second language production - 487
Introduction - 487
Second language speech planning - 488
Aspects of L2 production - 488
The effects of speech planning on L2 production - 492
The development of procedural skill in an L2 - 499
Communication strategies - 501
Defining communication strategies - 502
Taxonomies of CSs - 506
Empirical studies of CSs - 508
Communication strategies and L2 acquisition - 511
Evaluation of communication strategy research - 513
Conclusion - 513

11 Sociocultural theory and second language acquisition - 517
Introduction - 517
‘Language’ in sociocultural theory - 518
The methodology of sociocultural research - 521
Key constructs in sociocultural SLA - 523
Mediated learning - 523
Mediation through social interaction - 526
Mediation by means of private speech - 529
The zone of proximal development - 531
Internalization - 533
Activity theory - 535
SLA studies based on sociocultural theory - 537
Corrective feedback - 537
Collaborative dialoguing - 538
Private speech - 541
Metatalk - 543
Linguistic universals and second language acquisition – 557

Introduction – 557

Interlanguage theory: another perspective – 559

Typological universals and second language acquisition – 560

Linguistic typology and language universals – 560

Typologically motivated studies of second language acquisition – 562

The role of typological universals in second language acquisition – 577

Explaining the influence of typological universals on L2 acquisition – 579

Universal Grammar and second language acquisition – 581

Introducing Universal Grammar – 582

The methodology of UG-based studies – 585

Universal grammar and L2 acquisition: theoretical issues – 590

The logical problem of language acquisition – 591

The developmental problem of L2 acquisition – 596

Approaches to investigating the role of UG – 598

Empirical studies of second language acquisition based on Universal Grammar – 599

Learning Principles – 619

The role of UG in L2 acquisition: key issues – 621

Towards a comprehensive theory of L2 acquisition incorporating UG – 628

An evaluation of UG-based research and theory – 631

Conclusion – 634

Final comment – 635
PART FIVE  Explaining individual differences in second language acquisition – 639

Introduction – 641

13  Individual learner differences and second language learning – 643

Introduction – 645

The methodology of individual difference research – 645

Intelligence – 649

Working memory – 650

Language aptitude – 652

Learning styles – 659
Cognitive style – 660
Learning style – 667
Final comment – 671

Personality – 672
Extraversion and introversion – 673
The big five – 676
Final comment – 676

Motivation – 677
Integrative motivation – 678
Instrumental motivation – 682
Linguistic self-confidence – 684
Attributions – 684
Intrinsic motivation and self-determination – 686
Self-regulation – 687
Motivational phases – 688
The ideal language self – 689
Final comment – 690

Anxiety – 691
Sources of anxiety – 692
Language anxiety and language learning – 693
Language anxiety and the process of learning – 695
Final comment – 697

Willingness to communicate – 697

Learners’ beliefs – 698
Types of learner beliefs – 699
The sources of learners’ beliefs – 701
The situated and dynamic nature of learner beliefs – 701
The relationship between beliefs and learning - 702

Learning strategies - 703
Definition of learning strategies - 703
Classifying learner strategies - 705
Good language learner studies - 707
Factors influencing choice of learning strategies - 711
The relationship between learning strategies and language learning - 713
Learner training - 717
Final comment - 719
Conclusion - 720

PART SIX  The brain and L2 acquisition - 725

Introduction - 727

14 The neuropsychology of second language acquisition - 729

Introduction - 729

The anatomy of the human brain - 731
Left and right hemispheres - 731
The cerebral cortex - 731
The cerebellum - 733
Subcortical areas - 733
Neurons - 734

Methods for investigating the 'language brain' - 734
Investigating bilingual aphasia - 736
Neuroimaging - 738
Concluding comment - 740

Neuropsychological aspects of L2 acquisition - 740
A specialized language faculty - 740
The neurobiological basis of L1 and L2 acquisition - 743
The neurobiological bases of comprehension and production in an L2 - 746
Implicit versus explicit L2 knowledge - 749
The role of attention in L2 acquisition - 755
Motivation and L2 acquisition - 757
Controlling access to the L2 and L1 - 759
The Critical Period Hypothesis - 761
The neurobiological basis of fossilization - 764
Summary - 765
Conclusion - 767
PART SEVEN  Classroom second language acquisition – 771

Introduction – 773

15 Classroom interaction and second language acquisition – 775

Introduction – 775

Methods of researching the second language classroom – 775
Types of classroom research – 777
Final comment – 781

A historical overview of L2 classroom research – 781

The nature of second language classroom discourse – 783

Structure and general characteristics of teacher-centred discourse – 784
Types of language use – 788
Turn-taking – 790
The difference between classroom and naturalistic discourse – 792
Final comment – 794

The teacher’s contribution to classroom discourse – 794
Teacher talk – 794
Teachers’ questions – 797
Use of the L1 – 801
Use of metalanguage – 802
Corrective feedback – 803

The learner’s contribution to classroom discourse – 807
Learner participation – 807
Small-group work and interaction – 813
Summary – 818

Tasks and interaction – 818
Tasks and the negotiation of meaning – 819
Tasks and L2 production – 822
The co-construction of tasks through interaction – 822

Interaction and L2 learning – 824
Second language learning in communicative classrooms – 825
Final comment – 833

Conclusion – 833
16 Form-focused instruction and second language acquisition – 837

Introduction – 837

Methodology of FFI studies – 838
Choice of linguistic target – 838
The measurement of learning in FFI studies – 840

Theoretical positions – 843
The ‘zero option’ – 843
Instruction as facilitation – 844
The necessity of FFI – 846

Effects of FFI on L2 acquisition – 848
Comparative method studies – 848
Comparisons of naturalistic and instructed L2 learners – 851
The effects of FFI on production accuracy – 855
The effects of FFI on the order and sequence of acquisition – 860

The durability of FFI effects – 866

The effects of different types of formal instruction – 869
Methodological options for FFI – 869
Focus-on-forms versus focus-on-form – 872
Input-based instruction – 873
Explicit versus implicit instruction – 877
Inductive versus deductive explicit instruction – 882
Production practice—error-inducing – 883
Corrective feedback – 884

FFI and implicit knowledge – 889

Effects of instruction on L2 pragmatic development – 891

The mediating effects of individual difference factors – 895

Conclusion – 900

PART EIGHT Conclusion – 907

Introduction – 909

17 Epistemological issues in second language acquisition research – 911

Introduction – 911
The choice of data in second language acquisition research – 911
Non-production data – 913
Grammaticality judgement tests – 914
Learner production data – 916
Naturally occurring samples of learner language – 917
Verbal reports – 921
The question of validity – 923
The construction and evaluation of SLA theories – 925
Approaches to theory building in SLA research – 926
The scope of a theory of second language acquisition – 929
General theories of L2 acquisition – 930
Modular theories – 931
Epistemologically driven theories – 933
The form of a theory of second language acquisition – 935
Evaluating second language acquisition theories – 936
The application of second language acquisition research to other fields of enquiry – 943
Conclusion – 948
Glossary – 953
Bibliography – 985
Author index – 1095
Subject index – 1113