Contents

	Preface	page xiii
	Conventions, abbreviations and symbols	xxi
Gene	ral prologue: time travel and signal processing	1
1	The past, the present and the historian	4
1.1	The historian as mythmaker	4
1.2	Messages from the past: historical understanding and t	he
	problem of 'synchrony'	9
1.3	Making history: witnesses and interpretation	16
1.4	Making history: reconstruction	21
1.5	Making history: the role of uniformity constraints	24
1.6	Metaphor and access	32
1.7	Metaphor and metalanguage	41
1.8	Summary	42
2	Written records: evidence and argument	44
2.1	Prologue	44
2.2	Hearing the inaudible	45
	2.2.1 Graph interpretation: generalities	45
	2.2.2 What does writing represent?	47
	2.2.3 'Defective' alphabetic representation and the shap	e
	of reconstructive argument	50
	2.2.4 Allophonic spelling	57
	2.2.5 Orthographic conservatism: good and bad news	58
2.3	What do texts represent? Variation and état de langue	61
	2.3.1 Spelling variation	61
	2.3.2 The import of variation: a test case	63
	2.3.3 Morphological variation	66
2.4	Literary evidence: rhyme and metre	68

ix

2.5	Metalinguistic evidence	78
	2.5.1 Premodern phoneticians	78
	2.5.2 Glosses and translations	83
2.6	What is a 'word' anyhow? Or a sentence, or text?	93
2.7	Desperate remedies: interpreting vs. disappearing	96
3	Relatedness, ancestry and comparison	104
3.1	'Family resemblances'	104
3.2	Historicity: how are families possible?	109
3.3	Replication and shared errors	111
3.4	Cladistic concepts in language filiation	113
3.5	Homoplasy	118
3.6	'Sound laws', cognateness and families	123
	3.6.1 Diagnostic characters and regular correspondences	123
	3.6.2 'Regular sound change'	132
	3.6.3 Comparative method: apomorphies, ancestors and	
	etymologies	135
3.7	Problems and pseudo-problems	139
	3.7.1 Variation, diffusion and competition	139
	3.7.2 Subgrouping: non-arboriform genealogies and	
	character-weighting	143
	3.7.3 Multiple descent and 'hybridization	158
3.8	Etymologies and 'etymologies': the hypertaxon problem	159
3.9	Non-phonological evidence for relationship	169
4	Convergence and contact	172
4.1	Preliminaries	172
4.2	Homoplasy vs. plesiomorphy	173
	4.2.1 A test case: Afrikaans diphthongization	173
	4.2.2 Excursus: motivated and unmotivated naturalness	177
	4.2.3 The north-European diphthongization area	179
4.3	Contact	184
	4.3.1 The constraints problem	184
	4.3.2 Sorting, 1: 'synchronic foreignness'	190
	4.3.3 Sorting, 2: asymmetrical correspondences	195
	4.3.4 Sorting, 3: non-substantial ('structural') loans	197
	4.3.5 Contact agendas and etymology	201
4.4	Endogeny vs. contact as a methodological issue	207
4.5	Etymologyia ex silentio: contact with lost languages	209

5	The nature of reconstruction	215
5.1	Beyond filiation	215
5.2	Projection vs. mapping	216
	5.2.1 Principles	216
	5.2.2 'Quanta' and phonetic gradualism: a few suggestions	221
	5.2.3 Morphoclines, quanta and borrowing	225
	5.2.4 Projection again: conventions and justifications	228
5.3	Internal reconstruction	232
	5.3.1 Tautolinguistic cognates and reconstruction	232
	5.3.2 Internal reconstruction and 'abstract'	
	morphophonemics	234
	5.3.3 The limits of internal reconstruction	237
5.4	Chronology and sequence	241
5.5	Morphosyntactic reconstruction	246
	5.5.1 Preliminaries	246
	5.5.2 Reconstructing morphology: a non-example	251
	5.5.3 Simplification and cyclicity	252
	5.5.4 Morphological portmanteaus	257
	5.5.5 Plesiomorphous residue	263
	5.5.6 Directionality and morphoclines	267
5.6	Postscript: realism in reconstruction	270
	5.6.1 Phonetic realism: the art of coarse transcription	270
	5.6.2 What is a protolanguage?	272
6	Time and change: the shape(s) of history	277
6.1	The nature of 'change'	277
6.2	Language in time: when is a change?	281
6.3	Linguistic time	290
	6.3.1 Arrows and cycles	290
	6.3.2 Epigenetic landscapes	293
	6.3.3 Point attractors: grammaticalization and other sinks	295
	6.3.4 Cyclical attractors	297
	6.3.5 Chreods: conspiracy and drift	300
	6.3.6 Stasis and punctuation	303
6.4	The emergence of novelty	305
	6.4.1 Ex nihilo nihil fit? Setting the boundaries	305
	6.4.2 The joys of junk: decomposition and bricolage	309
	6.4.3 Exaptation	316
	6.4.4 Non-junk exaptation: inventing new systems	318

7.1	The issues	325
	7.1.1 Conceptual preliminaries	325
	7.1.2 The logical structure of explanations	328
7.2	In which the author revisits an earlier self, and is not	
	entirely satisfied by what he sees, but not entirely repentant	332
7.3	Hermeneutic explication	336
	7.3.1 The 'hermeneutic challenge'	336
	7.3.2 Does the mind 'shun purposeless variety'?	340
7.4	Function: hermeneutics and the individualist error	352
	7.4.1 Is change 'functional', 'dysfunctional' or neutral?	352
	7.4.2 Functional explanation: an example	355
	7.4.3 Prophylaxis and therapy	359
	7.4.4 Whose function? Individuals vs. collectives	361
7.5	'Agents': structure, pragmatics and invisible hands	366
7.6	A modest ontological proposal	370
	7.6.1 The locus of change: societies vs. populations	370
	7.6.2 A medium-neutral evolutionary model	376
	7.6.3 Consequences of the population model: bottlenecks,	
	universals and 'mind'	382
7.7	Envoi	384
D 6		
•	References	
Index of names		416
Subjec	t index	420

325

Explanation and ontology The issues

7

7.1