	List c	of Tables	ix
	List c	of Figures and Maps	xii
	Prefa	ce	xiii
	Ackn	owledgements	xvii
	Phon	etic Symbols and Conventions	xix
	Phon	etic Symbols Chart	xxi
1	Intro	duction	1
	1.1	Introduction	1
	1.2	What is Historical Linguistics About?	4
	1.3	Kinds of Linguistic Changes: An English Example	6
	1.4	Exercises	10
2	Soun	d Change	16
	2.1	Introduction	16
	2.2	Kinds of Sound Change	17
	2.3	Non-phonemic (Allophonic) Changes	19
	2.4	Phonemic Changes	20
	2.5	Sporadic Changes	27
	2.6	General Kinds of Sound Changes	27
	2.7	Kinds of Common Sound Changes	33
	2.8	Relative Chronology	46
	2.9	Chain Shifts	47
	2.10	Exercises	52
3	Borro	owing	62
	3.1	Introduction	62
	3.2	What is a Loanword?	63
	3.3	Why do Languages Borrow from One Another?	64
	3.4	How do Words get Borrowed?	65

	3.5	How do we Identify Loanwords and Determine the	
		Direction of Borrowing?	69
	3.6	Loans as Clues to Linguistic Changes in the Past	74
	3.7	What Can Be Borrowed?	77
	3.8	Cultural Inferences	82
	3.9	Exercises	84
4	Anal	ogical Change	103
	4.1	Introduction	103
	4.2	Proportional Analogy	104
	4.3	Analogical Levelling	106
	4.4	Analogical Extension	108
	4.5	The Relationship between Analogy and Sound Change	109
	4.6	Analogical Models	111
	4.7	Other Kinds of Analogy	113
	4.8	Exercises	120
5		Comparative Method and	
	Lingu	uistic Reconstruction	122
	5.1	Introduction	122
	5.2	The Comparative Method Up Close and Personal	125
	5.3	A Case Study	147
	5.4	Indo-European and the Regularity of Sound Change	155
	5.5	Basic Assumptions of the Comparative Method	164
	5.6	How Realistic are Reconstructed Proto-languages?	166
	5.7	Exercises	167
6	_	uistic Classification	184
	6.1	Introduction	184
	6.2	The World's Language Families	184
	6.3	Terminology	186
	6.4	How to Draw Family Trees: Subgrouping	188
	6.5	Glottochronology (Lexicostatistics)	200
	6.6	Exercises	210
7	Mod	els of Linguistic Change	211
	7.1	Introduction	211
	7.2	The Family-tree Model	211
	7.3	The Challenge from Dialectology and the	
		'Wave Theory'	212
	7.4	Dialectology (Linguistic Geography,	
		Dialect Geography)	215

	7.5	A Framework for Investigating the Causes of	
		Linguistic Change	218
	7.6	Sociolinguistics and Language Change	219
	7.7	The Issue of Lexical Diffusion	222
8	Inter	nal Reconstruction	225
	8.1	Introduction	225
	8.2	Internal Reconstruction Illustrated	225
	8.3	Relative Chronology	229
	8.4	The Limitations of Internal Reconstruction	238
	8.5	Internal Reconstruction and the Comparative Method	240
	8.6	Exercises	242
9		ntic Change and Lexical Change	252
	9.1	Introduction	252
	9.2	Traditional Considerations	254
	9.3	Attempts to Explain Semantic Change	266
	9.4	Other Kinds of Lexical Change – New Words	272
	9.5	Exercises	280
10	_	actic Change	283
		Introduction	283
	10.2	•	283
	10.3	Generative Approaches	289
		Grammaticalization	292
		Syntactic Reconstruction	297
	10.6	Exercises	306
11	•	ining Linguistic Change	312
	11.1	Introduction	312
	11.2	Early Theories	313
	11.3	Internal and External Causes	316
	11.4	Interaction of Causal Factors	317
	11.5	Explanation and Prediction	326
12	Areal	Linguistics	330
	12.1	Introduction	330
	12.2		330
	12.3	1 0	331
	12.4	- C	338
	12.5	Implications of Areal Linguistics for Linguistic	
		Reconstruction and Subgrouping	340

	12.6	Areal Linguistics and Proposals of Distant	
		Genetic Relationship	342
13	Distar	nt Genetic Relationship	344
	13.1	Introduction	344
	13.2	Lexical Comparison	347
	13.3	Sound Correspondences	348
	13.4	Grammatical Evidence	350
	13.5	Borrowing	352
	13.6		353
		Onomatopoeia	353
		Nursery Forms	354
		Short Forms and Unmatched Segments	355
		Chance Similarities	355
		Sound-Meaning Isomorphism	356
		Only Linguistic Evidence	356
		Erroneous Morphological Analysis	357
		Non-cognates	357
		Spurious Forms	359
	13.16	Methodological Wrap-up	359
14	Philol	ogy: The Role of Written Records	361
		Introduction	361
	14.2	23	361
	14.3	1	362
	14.4	· · · · · · · · · · · · · · · · · · ·	367
	14.5	<i>5 5</i>	
		Written Sources	369
	14.6	Exercises	373
15	Lingu	istic Prehistory	378
		Introduction	378
	15.2	Indo-European Linguistic Prehistory	379
	15.3	The Methods of Linguistic Prehistory	393
	15.4		418
	Biblio	graphy	421
	Langu	age Index	436
	Name	Index	442
	Subjec	ct Index	444

List of Tables

Table 2.1	Sanskrit–Latin cognates showing Sanskrit merger	
	of e , o , $a > a$	21
Table 2.2	Historical derivation of 'mouse', 'mice', 'foot', 'feet'	23
Table 2.3	Grassmann's Law and its interaction with other	
	Greek changes	31
Table 2.4	Grimm's Law in English, Spanish and French	
	comparisons	50
Table 4.1	Latin rhotacism and the interaction of analogy with	
	sound change	110
Table 5.1	Some Romance cognate sets	125
Table 5.2	Kaqchikel–English comparisons	128
Table 5.3	Some additional Romance cognate sets	136
Table 5.4	Further Romance cognate sets	138
Table 5.5	Some Mayan cognate sets	139
Table 5.6	Central Algonquian sound correspondences and	
	Bloomfield's reconstruction	141
Table 5.7	Nootkan correspondences involving nasals	146
Table 5.8	Some Finno-Ugric cognate sets	148
Table 5.9	Indo-European cognates reflecting Grimm's Law	156
<i>Table 5.10</i>	Exceptions to Grimm's Law in consonant clusters	160
Table 5.11	Examples illustrating Verner's Law	162
Table 5.12	Examples contrasting the effects of Grimm's Law	
	and Verner's Law on medial consonants	163
<i>Table 5.13</i>	Verner's Law in grammatical alternations	163

List of Tables

Table 6.1	Distribution of language families in the world	184
Table 6.2	Some of the better-known language families	185
Table 6.3	Some Nootkan sound correspondences	199
Table 8.1	Internal reconstruction and derivation of Tojolabal k-	228
Table 8.2	Internal reconstruction and derivation of Nahuatl	
	roots with initial i	229
Table 8.3	Finnish internal reconstruction	230
Table 8.4	Derivation showing Finnish relative chronology	231
Table 8.5	Hypothetical derivation of Finnish with the	
	wrong relative chronology	231
Table 8.6	Derivation showing loss of intervocalic s in	
	Classical Greek	232
Table 8.7	Derivation showing t to s before i in Classical Greek	233
Table 8.8	Hypothetical derivation showing wrong	
	chronological order in Classical Greek	233
Table 8.9	Derivation showing the correct chronological order in Classical Greek	233
Table 8.10	Derivation for Hypothesis I for Classical Greek	233
	'vein'	235
Table 8.11	Derivation for Hypothesis II for Classical Greek	233
	'vein'	235
<i>Table 8.12</i>	Derivation of *aithiop- 'Ethiopian' in Hypothesis II	236
<i>Table 8.13</i>	Internal reconstruction of Classical Greek	
	'nominative singular' forms	237
<i>Table 8.14</i>	Historical derivation of 'mouse', 'mice', 'goose',	20,
	'geese'	240
<i>Table 8.15</i>	Comparison of Balto-Finnic 'leg' forms after	2.0
	internal reconstruction	242
<i>Table 8.16</i>	Comparison of Balto-Finnic 'leg' forms before	212
	internal reconstruction	242
		2.2
<i>Table 10.1</i>	Derivation of whom in Grammar ₁	289
<i>Table 10.2</i>	Derivation of $who(m)$ in Grammar ₁ ,	290
<i>Table 10.3</i>	Derivation of who in Grammar ₂	290
Table 10.4	Balto-Finnic comparative verbal morphology	302
<i>Table 10.5</i>	Comparison of Balto-Finnic 'with' forms	303
		505
Table 11.1	Estonian verb forms after certain sound changes	319
	-	
<i>Table 12.1</i>	Nootkan sound correspondences	341

List of Tables

Table 13.1	Forms of the verb 'to be' in some Indo-European languages	351
	Contrastive h and x in Classical Yucatec Maya The origin of Huastec labialized velars	363 364

List of Figures and Maps

Figure 2.1	The Great Vowel Shift in English	52
Figure 5.1	Proto-Romance family tree (and genealogy of Spanish)	124
Figure 6.1	The Indo-European family tree	190
Figure 6.2	The Uralic family tree	192
Figure 6.3	The Austronesian family tree	193
Figure 6.4	Mayan Subgrouping	194
Map 3.1	Diffusion of the velar palatalization rule in K'ichean languages	80
Мар 7.1	Geographical distribution of words which retained /k/ in areas of Normandy	214
Map 7.2	Some major dialect areas in the USA	216
Map 11.1	Distribution of the names for 'rooster' in the southwest of France	323
Map 15.1	The Uralic languages	395
Map 15.2	The Uto-Aztecan homeland	403
Map 15.3	Distribution of place names of Scandinavian origin in England	416