

Contents

<i>About this book</i>	page ix
<i>Acknowledgments</i>	x
<i>A note on languages</i>	xi
<i>List of abbreviations</i>	xiv
1 What is phonology?	1
1.1 Concerns of phonology	2
1.2 Phonetics – what is physical sound?	4
1.3 The symbolic representation of speech	14
<i>Summary</i>	17
<i>Exercises</i>	17
<i>Suggestions for further reading</i>	17
2 Phonetic transcriptions	19
2.1 Vowels: their symbols and properties	20
2.2 Consonants: their symbols and properties	26
2.3 IPA symbols	34
2.4 Illustrations with English transcription	36
<i>Summary</i>	37
<i>Exercises</i>	40
<i>Suggestions for further reading</i>	41
3 Allophonic relations	43
3.1 English consonantal allophones	44
3.2 Allophony in other languages	49
<i>Summary</i>	61
<i>Exercises</i>	61
<i>Suggestions for further reading</i>	65
4 Underlying representations	67
4.1 The importance of correct underlying forms	68
4.2 Refining the concept of underlying form	71
4.3 Finding the underlying form	73
4.4 Practice at problem solving	80
4.5 Underlying forms and sentence-level phonology	82
4.6 Underlying forms and multiple columns in the paradigm	85
<i>Summary</i>	94
<i>Exercises</i>	94
<i>Suggestions for further reading</i>	98

5	Interacting processes	99
5.1	Separating the effects of different rules	100
5.2	Different effects of rule ordering	112
	<i>Summary</i>	121
	<i>Exercises</i>	122
	<i>Suggestions for further reading</i>	127
6	Feature theory	129
6.1	Scientific questions about speech sounds	130
6.2	Distinctive feature theory	135
6.3	Features and classes of segments	150
6.4	Possible phonemes and rules – an answer	154
6.5	The formulation of phonological rules	157
6.6	Changing the theory	160
	<i>Summary</i>	166
	<i>Exercises</i>	167
	<i>Suggestions for further reading</i>	168
7	Doing an analysis	169
7.1	Yawelmani	170
7.2	Hehe	177
7.3	Icelandic	185
7.4	Modern Hebrew	191
7.5	Japanese	197
	<i>Summary</i>	207
	<i>Exercises</i>	207
	<i>Suggestions for further reading</i>	223
8	Phonological typology and naturalness	225
8.1	Inventories	226
8.2	Segmental processes	228
8.3	Prosodically based processes	244
8.4	Why do things happen?	250
	<i>Summary</i>	255
	<i>Suggestions for further reading</i>	255
9	Abstractness and psychological reality	257
9.1	Why limit abstractness?	258
9.2	Independent evidence: historical restructuring	273
9.3	Well-motivated abstractness	277
9.4	Grammar-external evidence for abstractness	287
9.5	How abstract is phonology?	297
	<i>Exercises</i>	298
	<i>Suggestions for further reading</i>	300

10 Nonlinear representations	301
10.1 The autosegmental theory of tone: the beginnings of change	302
10.2 Extension to the segmental domain	321
<i>Summary</i>	329
<i>Exercises</i>	329
<i>Suggestions for further reading</i>	331
Glossary	333
References	339
Index of languages	345
General Index	347