

1	Aims and Principles	1
2	Classical Phonemics	16
2.1	Segmental phonemics	16
2.1.1	<i>Analytic procedure</i>	16
2.1.2	<i>Defining the phoneme</i>	24
2.1.3	<i>An illustrative analysis</i>	26
2.2	Prosodic features	35
2.2.1	<i>Stress</i>	36
2.2.2	<i>Pitch</i>	38
2.2.3	'Juncture'	40
2.3	Alternations	41
2.3.1	<i>The allomorph approach</i>	41
2.3.2	<i>Classical morphophonemics</i>	41
2.3.2.1	<i>Suppletions</i>	42
2.3.2.2	<i>Morphologically conditioned alternations</i>	42
2.3.2.3	<i>Phonologically conditioned but non-automatic alternations</i>	42
2.3.2.4	<i>Automatic alternations</i>	43
2.3.2.5	<i>Alternation statements, morphophonemes, and base forms</i>	43
2.3.3	<i>Classical phonemics: conclusion</i>	45
2.4	Prague School phonology	45
3	Prosodic Phonology	54
3.1	Feature smear	54
3.1.1	<i>Long component analysis</i>	56
3.2	The prosodic approach	57
3.2.1	<i>Types of prosodies</i>	58
3.2.2	<i>Polysystemicism and related matters</i>	61
3.3	An example	63
3.4	Conclusion	67
4	Stratificational Phonology	70
4.1	Organization of a stratificational grammar	70
4.2	The phonemic stratum	71
4.3	Types of linguistic relationships	74
4.4	The evaluation of alternative descriptions	82
4.5	Two illustrative descriptions	86
4.6	Conclusion	90

5	Phonological Primes 92
5.1	Beyond the phoneme 92
5.2	Feature theory 93
5.2.1	<i>Development</i> 93
5.2.2	<i>Criteria</i> 95
5.2.2.1	<i>Phonetic specifiability</i> 96
5.2.2.2	<i>Completeness/universality</i> 96
5.2.2.3	<i>Morphophonemic relevance</i> 97
5.3	The features 98
5.3.1	<i>Major-class features</i> 98
5.3.2	<i>Anteriority and coronality</i> 100
5.3.3	<i>Tongue body features</i> 101
5.3.4	<i>Rounding</i> 103
5.3.5	<i>Distributedness</i> 103
5.3.6	<i>Nasality and laterality</i> 103
5.3.7	<i>Closure and release features</i> 103
5.3.8	<i>Tenseness</i> 104
5.3.9	<i>Voicing, aspiration, and related features</i> 105
5.3.10	<i>Stridency</i> 107
5.3.11	<i>Vibration</i> 107
5.3.12	<i>Prosodic features</i> 107
5.4	Some problems 108
5.4.1	<i>The naturalness condition</i> 108
5.4.2	<i>The binarity hypothesis</i> 109
5.4.3	<i>Articulatory or acoustic features?</i> 110
5.5	Feature representation of segments and segment classes 111

6	Generative Phonology I: The SPE Model 114
6.1	The phonological component and the form of phonological rules 114
6.2	An illustrative analysis 124
6.3	Special types of phonological rules 135
6.4	Notational conventions 137
6.5	Boundaries 143
6.6	Syntactic and diacritic features in phonology 151
6.6.1	<i>Syntactic constituent structure</i> 151
6.6.2	<i>Syntactic categories</i> 152
6.6.3	<i>Syntactic features</i> 153
6.6.4	<i>Diacritic features</i> 155
6.7	Rule ordering 159
6.7.1	<i>Linear ordering</i> 159
6.7.2	<i>The transformational cycle</i> 163
6.7.3	<i>Excursus: the intermingling of phonology and syntax</i> 165
6.8	Underlying representations 166
6.8.1	<i>Lexical redundancy</i> 166
6.8.2	<i>Chomsky and Halle's theory of markedness</i> 168

7	Generative Phonology II: Problems in Rule Application	170
7.1	Simultaneous or iterative application?	170
7.2	Rule Ordering, precedence, and disjunctivity	174
7.2.1	<i>Counter-evidence to linear ordering</i>	174
7.2.2	<i>Alternative hypotheses</i>	176
7.2.2.1	<i>Partial ordering</i>	176
7.2.2.2	<i>Local ordering</i>	180
7.2.2.3	<i>No extrinsic ordering</i>	184
7.2.2.4	<i>Unresolved paradoxes</i>	187
7.2.3	<i>On disjunctive application</i>	188
7.3	Global constraints and derivational history	190
8	Generative Phonology III: Phonological Templates	193
8.1	Phonotactics	193
8.2	The syllable	199
9	Generative Phonology IV: On Constraining the Phonological Rule	204
9.1	Morphology, phonology and phonetics	205
9.2	How abstract is phonology?	211
9.2.1	<i>Problematic features of SPE-type analyses</i>	211
9.2.1.1	<i>The diacritic use of phonological features</i>	211
9.2.1.2	<i>The phonological use of diacritic features</i>	213
9.2.1.3	<i>Abstract representations not justified by alternations</i>	214
9.2.2	<i>Towards a solution</i>	216
9.2.2.1	<i>Possible evidence for abstract analyses</i>	216
9.2.2.1.1	<i>Linguistic change</i>	217
9.2.2.1.2	<i>Poetics</i>	218
9.2.2.2	<i>Some proposed constraints</i>	220
9.2.2.3	<i>Another look at English vowels</i>	222
9.3	Natural phonology	225
9.3.1	<i>The problem</i>	225
9.3.2	<i>Schane's theory of natural processes</i>	227
9.3.3	<i>Stampe's 'natural phonology'</i>	233
10	On Phonological Change	238
10.1	The description of phonological change	238
10.1.1	<i>Restructuring</i>	238
10.1.2	<i>Rule change</i>	238
10.1.2.1	<i>Rule addition</i>	238
10.1.2.2	<i>Rule loss</i>	239
10.1.2.3	<i>Simplification</i>	240
10.1.2.4	<i>Reordering</i>	242
10.1.3	<i>Factors determining the direction of rule change</i>	243
10.1.3.1	<i>Phonetic transparency</i>	245
10.1.3.2	<i>Minimization of allomorphy</i>	246
10.1.3.3	<i>Maintenance of contrast</i>	247
10.2	The process of phonological change	249

10.2.1	<i>The continuity of sound-change</i> 250
10.2.2	<i>Lexical diffusion</i> 251
10.2.3	<i>Social spread</i> 253
10.3	The causes of phonological change 254
10.3.1	<i>Factors already discussed</i> 254
10.3.2	<i>Ease of articulation</i> 255
10.3.3	<i>Structural imbalance</i> 255
10.3.4	<i>Language contact</i> 256
10.3.5	<i>Drift</i> 257

Abbreviated Titles 261

References 263

Indices 273