

CONTENTS

THEORETICAL PHONETICS	7
Basic Terms	7
Experimental Phonetics	8
Auditory Phonetics	9
Graphemics	10
HISTORICAL INTRODUCTORY	12
Historical Roots	12
Modern Age	13
Experimental Phonetics	14
GENERAL PHONOLOGY	15
Phoneme	15
Complementary Distribution	17
Perspectives of Structural Phonology	18
GENERATIVE PHONOLOGY	21
Generative Formalism	21
Generative and Recognition Models	22
Speech Recognition	23
ARTICULATORY PHONETICS	25
Organs of Speech	25
Articulatory Classification	27
The Classification of Vowels	29
ACOUSTIC PHONETICS	33
Acoustic Properties	33
Vowels	33
Sonants and Consonants	35
Auditory Acoustics	37
Topological Acoustics	38
The ENGLISH SOUND SYSTEM	40
The Classification of Vowels	40
Diphthongs	45
Consonants	46
GRAPHEMICS	51
Graphic Codes	51
Writing-Systems	52
Punctuation Marks	54
Punctuation Rules	55
English Orthography	56
Digraphic Writing	58
Clusters	59

Homophony and Homography	60
Graphic Code	64
HISTORICAL PHONOLOGY	66
Sound Shifts	66
The Story of English	67
Lengthening	70
Vocalization	72
The Great Vowel Shift	73
TYPOLOGICAL PHONOLOGY	74
The Typological Approach	74
Historical Roots	76
The Vowel System	76
Consonants	77
DIALECTOLOGY	81
Phonology and Dialects	81
The English Standard	82
Southern and Northern English	83
PHONOTACTICS	87
The Syllable	87
Open and Closed syllables	89
Sound Gradation	90
Elision	93
VOWELS	97
Tense Front /i:/	97
Lax Front /ɪ/	98
Lax Front /e/	102
Front Open /æ/	103
Open Central /ɛ:/	106
Central Open /ʌ/	108
Lax Back Vowel /ɒ/	110
Tense Back Round Vowel /ɔ:/	111
Back Rounded Vowel /ʊ/	114
Tense Back Vowel /u:/	115
Central Half-Open /ɜ:/	117
Central Reduced Mixed Vowel /ə/	117
DIPHTHONGS	119
Glides	119
Front Falling Diphthong /eɪ/	120
Front Falling Diphthong /aɪ/	121
Back Falling Diphthong /aʊ/	123

Back Falling Diphthong /əʊ/	123
Front Falling Diphthong /ɔɪ/	124
Centring Diphthongs	125
SONANTS	128
Semi-Vowels and Sonorants	128
The Phonotactic Properties of Sonants	129
Palatal Semi-Vowel /j/	131
Labio-Velar Semi-Vowel /w/	132
Alveolar Liquid /l/	134
Frictionless Continuant /r/	137
Nasals /m, n, ŋ/	142
FRICATIVES	146
Initial and Medial Allophones	146
Fortis/Lenis Gradation	147
Labio-Dental /f, v/	149
Dental Fricatives	151
Sibilants /s, z/	153
AFFRICATES	157
Gallic Palatalizations	157
Palato-Alveolar Affricates /tʃ, dʒ/	158
Palato-Alveolar Fricatives /ʃ, ʒ/	160
PLOSIVES	161
Bilabial /p, b/	161
Alveolar /t, d/	162
Velar /k, g/	164
PROSODY	168
Prosodic Patterns	168
The English Stress	170
The Word-Stress	171
Prefixing Stress	174
Suffixation	176
Intonation	180

LIST OF TABLES

Table 1. <i>Organs of speech in oral cavity</i>	26
Table 2. <i>Constriction in consonant typology</i>	28
Table 3. <i>Barriers in consonant typology</i>	28
Table 4. <i>Cavity in consonant typology</i>	28
Table 5. <i>The articulation of English consonants</i>	30
Table 6. <i>The tongue-positions of Jones's cardinal vowels</i>	32
Table 7. <i>Czech vowels contrasted to the English vowel system</i>	34

Table 8. <i>The acoustic patterns of English sonants</i>	36
Table 9. <i>The correlation of roundedness in Germanic languages</i>	41
Table 10. <i>The English falling diphthongs</i>	42
Table 11. <i>The correlation of tension</i>	43
Table 12. <i>The correlation of reduction</i>	43
Table 13. <i>The English centring diphthongs</i>	44
Table 14. <i>The rhotic and non-rhotic vowels</i>	45
Table 15. <i>Initial fortis and medial lenes in English</i>	47
Table 16. <i>The system of consonants in Contemporary English</i>	48
Table 17. <i>Punctuation marks</i>	54
Table 18. <i>Alphabets in Old, Middle and Present English</i>	57
Table 19. <i>Grapho-phonematic correspondences</i>	64
Table 20. <i>The vowel system in OHG, Old Norse and Old English</i> ..	68
Table 21. <i>The vowel system in Old, Middle and Modern English</i> ...	69
Table 22. <i>The law of open and closed syllables</i>	70
Table 23. <i>The phonotactic conditions of lengthening</i>	71
Table 24. <i>The vocalization of /r/ in closed and open syllables</i>	72
Table 25. <i>A comparative table of layers in English</i>	75
Table 26. <i>The Gothic, Nordic and Gaulish vowel systems</i>	77
Table 27. <i>The English and French vowel systems</i>	77
Table 28. <i>Tenues in Altaic, European and Germanic languages</i>	78
Table 29. <i>The phonetic transcriptions of English sounds</i>	82
Table 30. <i>Sound inventories in southern accents</i>	83
Table 31. <i>Sound inventories in northern accents</i>	84
Table 32. <i>A survey of southern dialects</i>	85
Table 33. <i>Vowel systems in northern dialects</i>	86
Table 34. <i>Gemination of English consonants</i>	90
Table 35. <i>The duration of vowels in csecs</i>	93
Table 36. <i>The English vowel gradation</i>	120
Table 37. <i>The formant frequencies of English sonants in cps</i>	128
Table 38. <i>The positional allophones of the English sonants</i>	130
Table 39. <i>The phonetic symbols for r-sounds</i>	138
Table 40. <i>A survey of r-sounds in English dialects</i>	140
Table 41. <i>English fricatives</i>	146
Table 42. <i>The Gallo-Nordic interferences in English fricatives</i>	158
Table 43. <i>The scale of aspiration in /p/</i>	161
Table 44. <i>The insertion and dropping of homoörganic stops</i>	163
Table 45. <i>The prosodic typology in human languages</i>	168
Table 46. <i>Separable prefixes in English</i>	174
Table 47. <i>The basic correlations between syntax and intonation</i> ...	180