

English Phonetics and Phonology

A practical course

Peter Roach

SECOND EDITION

AMBRIDGE
IVERSITY PRESS

RC208

1994

C-II

PE1133-M35/R628/1991-
C/10
كلية العلوم

English Phonetics and Phonology

A practical course
Second edition

Peter Roach

Professor of Phonetics
University of Reading

جامعة بومرداس
كلية الآداب و اللغات
مكتبة الكلية

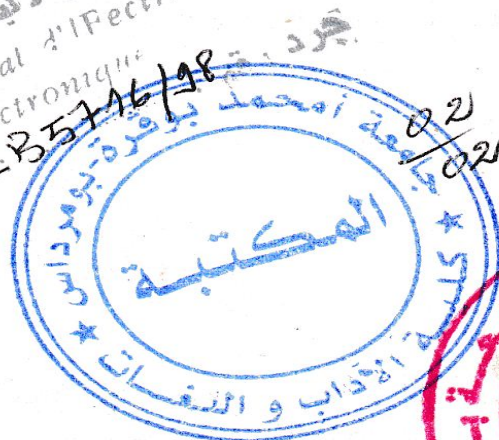
رقم الجرد: 1627

جامعة بومرداس
كلية الآداب و اللغات
مكتبة الكلية

81'344.1(036)7.RCP

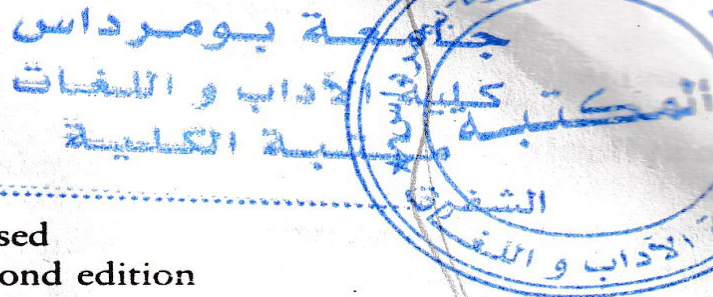
15

الوطنى الكهربى
والإلكترونى
Institut National d'Electricité
et d'Electronique
Inventaire N° LB5746/98



CAMBRIDGE
UNIVERSITY PRESS

Contents



List of symbols used
Preface to the second edition
Thanks
How to use this book 1

1 Introduction 3

2 The production of speech sounds 8

- 2.1 Articulators above the larynx
- 2.2 Vowel and consonant
- 2.3 English short vowels

3 Long vowels, diphthongs and triphthongs 18

- 3.1 Long and short vowels
- 3.2 Diphthongs
- 3.3 Triphthongs

4 Voicing and consonants 26

- 4.1 The larynx
- 4.2 Respiration and voicing
- 4.3 Plosives
- 4.4 English plosives
- 4.5 Fortis and lenis

5 The phoneme 36

- 5.1 The phoneme
- 5.2 Symbols and transcription
- 5.3 Phonology

6 Fricatives and affricates 47

- 6.1 Production of fricatives and affricates
- 6.2 The fricatives of English
- 6.3 The affricates
- 6.4 Fortis consonants

7	Nasals and other consonants	56
7.1	Nasals	
7.2	l	
7.3	r	
7.4	j and w	
8	The syllable	67
9	Strong and weak syllables	75
9.1	Strong and weak	
9.2	The ə vowel ("schwa")	
9.3	Close front and close back vowels	
9.4	Syllabic consonants	
10	Stress in simple words	85
10.1	The nature of stress	
10.2	Levels of stress	
10.3	Placement of stress within the word	
11	Complex word stress	95
11.1	Complex words	
11.2	Suffixes	
11.3	Prefixes	
11.4	Compound words	
11.5	Variable stress	
11.6	Word-class pairs	
12	Weak forms	102
13	Problems in phonemic analysis	111
13.1	Problems of analysis	
13.2	Problems of assignment	
14	Aspects of connected speech	120
14.1	Rhythm	
14.2	Assimilation	
14.3	Elision	
14.4	Linking	
15	Intonation 1	133
15.1	Form and function in intonation	
15.2	Tone and tone languages	
15.3	Complex tones and pitch height	
15.4	Some functions of English tones	

16	Intonation 2	144
16.1	The tone-unit	
16.2	The structure of the tone-unit	
16.3	Pitch possibilities in the simple tone-unit	
17	Intonation 3	152
17.1	Fall-rise and rise-fall tones followed by a tail	
17.2	High and low heads	
17.3	Problems in analysing the form of intonation	
18	Functions of intonation 1	163
18.1	The attitudinal function of intonation	
19	Functions of intonation 2	172
19.1	The accentual function of intonation	
19.2	The grammatical function of intonation	
19.3	The discourse function of intonation	
19.4	Conclusions	
20	Further areas of study in phonetics and phonology	182
20.1	Distinctive features	
20.2	Experimental phonetics	
20.3	The study of variety	
	<i>Recorded exercises</i>	194
	Tape Unit 2: English short vowels	195
	Tape Unit 3: Long vowels, diphthongs and triphthongs	196
	Tape Unit 4: Plosives	199
	Tape Unit 5: Revision	201
	Tape Unit 6: Fricatives and affricates	203
	Tape Unit 7: Further consonants	205
	Tape Unit 8: Consonant clusters	207
	Tape Unit 9: Weak syllables	209
	Tape Unit 10: Word stress	211
	Tape Unit 11: Complex word stress	213
	Tape Unit 12: Weak forms	215
	Tape Unit 13: Revision	217
	Tape Unit 14: Elisions	219
	Tape Unit 15: Tones	220
	Tape Unit 16: The tone-unit	221
	Tape Unit 17: Intonation	223
	Tape Unit 18: Intonation – extracts from conversation	224
	Tape Unit 19: Transcription of connected speech	225
	Tape Unit 20: Further practice on connected speech	227

Answers to written exercises	228
Answers to recorded exercises	239
Recommendations for general reading	248
Bibliography	251
Index	259

List of symbols used

1. Symbols for phonemes

i	as in 'pit' pɪt	i:	as in 'key' ki:
e	as in 'pet' pet	ɑ:	as in 'car' kɑ:
æ	as in 'pat' pæt	ɔ:	as in 'core' kɔ:
ʌ	as in 'putt' pʌt	u:	as in 'coo' ku:
ɒ	as in 'pot' pɒt	ɜ:	as in 'cur' kɜ:
ʊ	as in 'put' pʊt		
ə	as in 'about, 'upper' əbaʊt, ʌpə		
ɛɪ	as in 'bay' beɪ	əʊ	as in 'go' gəʊ
aɪ	as in 'buy' baɪ	aʊ	as in 'cow' kaʊ
ɔɪ	as in 'boy' bɔɪ		
ɪə	as in 'peer' piə		
eə	as in 'pear' peə		
ʊə	as in 'poor' puə		
p	as in 'pea' pi:	b	as in 'bee' bi:
t	as in 'toe' təʊ	d	as in 'doe' dəʊ
k	as in 'cap' kæp	g	as in 'gap' gæp
f	as in 'fat' fæt	v	as in 'vat' væt
θ	as in 'thing' θɪŋ	ð	as in 'this' ðɪs
s	as in 'sip' sɪp	z	as in 'zip' zɪp
ʃ	as in 'ship' ʃɪp	ʒ	as in 'measure' meʒə
h	as in 'hat' hæt		
m	as in 'map' mæp	l	as in 'led' led
n	as in 'nap' næp	r	as in 'red' red
ŋ	as in 'hang' hæŋ	j	as in 'yet' jet
		w	as in 'wet' wet
tʃ	as in 'chin' tʃɪn	dʒ	as in 'gin' dʒɪn