

# CONTENTS

<i>Acknowledgements</i>	ix
<i>List of Tables</i>	x
<i>List of Figures</i>	xi
<i>Abbreviations and symbols</i>	xii
<i>Transcription</i>	xv
<i>Introduction</i>	xvi
<b>1. VOWELS</b>	<b>1</b>
1.1 Acoustic properties of monophthongs	1
1.1.1 The phonetic basis for vowel harmony	7
1.1.2 The vowel /i/	8
1.2 Diphthongs	9
1.3 Palatalized vowels	10
<b>2. CONSONANTS</b>	<b>12</b>
2.1 Stops and affricates	12
2.1.1 Stops in other Mongolian dialects	17
2.1.2 Buriad and Kalmuck stops	17
2.2 Fricatives	18
2.3 Nasals	18
2.4 Liquids	19
2.5 Glides	20
2.6 Palatalized consonants	20
<b>3. PHONEMES</b>	<b>22</b>
3.1 Vowel phonemes	22
3.1.1 Non-initial vowels	23
3.2 Consonant phonemes	25
3.2.1 Palatalized consonants	28
3.2.2 Velar and uvular consonants	28
3.2.3 Labials	29
3.3 Loan-word phonology	30
<b>4. WRITING SYSTEMS</b>	<b>34</b>
4.1 Cyrillic Mongolian	34
4.2 Cyrillic Buriad and Kalmuck	40
4.3 Modern Written Mongolian	40

<b>5. PHONOLOGICAL PROCESSES</b>	43
5.1 Phonological representation	43
5.2 Vowel harmony	46
5.2.1 Transparent <i>i</i>	48
5.2.2 Opaque vowels	50
5.2.3 The domain of vowel harmony	52
5.2.4 Vowel harmony as feature spreading	53
5.2.5 Velar ~ uvular alternation and epenthetic consonants	55
5.2.6 Cyclic vowel harmony	56
5.3 Velar nasal assimilation	57
5.4 Reduplication	58
5.4.1 Adjective reduplication	58
5.4.2 Noun reduplication	59
<b>6. SYLLABIFICATION AND EPENTHESIS</b>	62
6.1 Syllable structure	62
6.1.1 Syllable types	63
6.1.2 Codas, sonority, and epenthesis	65
6.2 Syllabification of morphologically simple words	68
6.3 Schwa ~ zero alternation	71
6.4 Cyclic syllabification	73
6.4.1 The verb suffix -(ə)x	75
6.5 The phonemic status of palatal glides	76
6.6 Word structure	78
6.7 Final consonant combinations	79
<b>7. PROSODY</b>	85
7.1 Focal accent	85
7.2 Final prominence tone	90
7.3 Boundary signalling	91
7.4 Questions	93
7.5 Word stress	94
<b>8. OLD MONGOLIAN</b>	98
8.1 Uigur Mongolian	99
8.2 Sino-Mongolian	102
8.2.1 Sino-Mongolian consonants	102
8.2.2 Sino-Mongolian vowels	106
8.3 Arabic Mongolian	107
8.4 'Phags-pa Mongolian	108
8.5 Old Mongolian vowels	111
8.5.1 Primary long vowels	113

8.6	Vowels in non-initial syllables and vowel harmony	113
8.6.1	Rounding assimilation	114
8.6.2	Alternation of velar and uvular consonants	115
8.6.3	Neutral *i	116
8.6.4	Proto-Mongolic *uu?	117
8.7	Old Mongolian consonants	118
8.7.1	Stops and affricates	119
8.7.2	The fricative *h	121
8.7.3	Sonorants and *s	124
8.7.4	Coda consonants	124
8.8	Morphophonological processes	125
8.9	Old Mongolian vocabulary	126
<b>9.</b>	<b>THE MONGOLIC LANGUAGES</b>	<b>140</b>
9.1	Mongolian	141
9.2	Buriad	144
9.3	Kamnigan	146
9.4	Oirad	147
9.5	Dagur	149
9.6	Shira Yugur	150
9.7	Monguor	151
9.8	Santa	152
9.9	Bonan	153
9.10	Kangjia	153
9.11	Moghol	154
9.12	Other related languages	154
9.13	Comparative vocabulary	155
<b>10.</b>	<b>DEVELOPMENT OF THE MODERN MONGOLIC LANGUAGES</b>	<b>178</b>
10.1	The Mongolic vowel shifts	178
10.2	Vowel splits and mergers	182
10.3	Long vowels	183
10.4	*i-diphthongs	185
10.5	Vowel deletion and reduction	185
10.5.1	Reduction of short non-initial vowels	186
10.5.2	Deletion of initial vowels	188
10.6	Non-initial vowels and vowel harmony	188
10.6.1	Vowel harmony shifts	189
10.6.2	Vowel harmony in Old Mongolian and Halk	190
10.7	Vowel assimilation	194
10.7.1	Progressive rounding assimilation and the development of rounding harmony	194

10.7.2	Regressive rounding assimilation	194
10.7.3	Regressive *i-assimilation	195
10.7.4	Breaking of word-initial *i	196
10.7.5	Breaking of *u in Dagur	197
10.8	Onset consonants	197
10.8.1	Stops	198
10.8.2	Affricates	200
10.8.3	Fricatives	202
10.8.4	Sonorants	203
10.9	Coda consonants	203
10.9.1	Unstable *n	205
10.10	Deaspiration and related processes	205
10.11	Palatalization	208
10.11.1	Consonant palatalization	208
10.11.2	Vowel palatalization	210
10.11.3	Vowel palatalization and vowel harmony	212
10.12	Syllable and word structure	214
10.13	Conclusion	216
<i>Appendices</i>		218
<i>References</i>		230
<i>Index</i>		299
<i>Index of Old Mongolian words</i>		311