

Contents

Acknowledgments	XIX
I From proto-Japanese to the modern dialects	1
Introduction.....	3
0.1 The subject and aim of this study	3
0.2 The Middle Japanese tone system and the tone system of proto-Japanese	4
0.3 The basis for the reconstruction of the Middle Japanese tone system	4
0.3.1 The different types of tone markings in old Japanese texts	4
0.3.2 The tone systems of the modern Japanese dialects.....	6
0.3.3 The Late Middle Chinese tones and their relation to the value of the Japanese tone dots.....	7
0.3.4 Historical descriptions of the Late Middle Chinese tones in Japan	7
0.4 Modern reconstructions of the value of the Japanese tone dots.....	8
0.5 Conventions.....	9
0.5.1 Tone classes, symbols and spelling	9
0.5.2 Terminology: Pitch-accent or tone	11
0.5.2.1 What is pitch-accent?	12
0.5.2.2 What is restricted tone?	14
0.5.2.3 Tone or pitch-accent in Middle Japanese	14
0.5.2.4 Tone or pitch-accent in the modern dialects.....	17
0.5.2.5 The tone systems of the modern Japanese dialects as ‘restricted tone’	19
0.6. The selection of the corpus.....	20
0.6.1 Syllable and mora	20
0.6.1.1 Old Japanese.....	21
0.6.1.2 Early Middle Japanese.....	23
0.6.1.3 Late Middle Japanese	24
0.6.1.4 The modern dialects	25
0.6.1.5 The exclusion of heavy syllables.....	27
1 The two sets of comparative data.....	29
1.1 The modern Japanese tone systems	29
1.1.1 The Tōkyō type tone systems	29
1.1.2 The Kyōto type tone systems.....	34
1.1.3 The Kagoshima type tone systems.....	37
1.2 The distribution of the tone dots in Middle Japanese	38
1.3 Modern Japanese and Middle Japanese compared	41
1.3.1 Monosyllabic nouns.....	42

1.3.2 Disyllabic nouns	45
1.3.3 Trisyllabic nouns	46
1.4 Differences in the attestation of the tone of the monosyllabic case particles	47
2 The standard reconstruction of the Middle Japanese tone system	50
2.1 Kindaichi's Middle Japanese tone system resembles the tone system of Kyōto	50
2.2 Historical developments according to Kindaichi	52
2.3 Kindaichi's reconstruction and the tone system of proto-Japanese	55
2.3.1 How natural is the development of /H/ tones in tone classes 2.3, 3.4 and 3.5?	56
2.3.2 Hayata's solution: Unrecorded /M/ tones in classes 2.3, 3.4 and 3.5 in Middle Japanese	58
2.3.3 How natural is the change of initial /L/ tone in Kyōto to initial /H/ tone in Tōkyō in classes 2.4, 2.5, 3.6 and 3.7?	60
2.3.4 How natural is the shift of /H/ tone to the right in the Tōkyō type dialects?	61
2.3.5 Problems concerning the tone of class 3.2 in the Kyōto type dialects ...	62
2.4 Historical background of the standard theory	63
2.4.1 The geographical dilemma	64
2.4.2 The dialect area theory and the circle theory	66
2.4.3 The resolution of the dispute	67
2.4.4 Turning Yanagita's circles inside-out	68
2.5 Other theories that are based on the standard reconstruction	69
2.5.1 Ōhara's theory: Kyōto type tone as an innovation	72
2.6 Conclusion	75
3 Ramsey's reconstruction of the Middle Japanese tone system	77
3.1 Arguments based on the comparative method	78
3.1.1 Ramsey's Middle Japanese tone system resembles the tone system of Tōkyō	79
3.1.2 Ramsey's Middle Japanese tone system is a suitable ancestor of the Kyōto type tone systems	80
3.1.3 /H/ tones in tone classes 2.3, 3.4 and 3.5 were already present in Ramsey's Middle Japanese	81
3.1.4 /H/ tone spreading onto the particles after /LH/ tone: Gairin type tone as a natural development	81
3.1.5 /H/ tone spreading onto the particles after /R/ tone: Chūrin type tone as a natural development	83
3.1.6 The /L/ register of tone class 3.2 in Kōchi	86
3.1.7 Restrictions to the location of the /H/ tone in the Kyōto type dialects....	86
3.2 The attestation of the Nairin/Chūrin/Gairin split in the old documents	87
3.3 Two more arguments from dialect geography	91

3.3.1 Reports on the geographical spread of Kyōto type tone in earlier periods	91
3.3.2 The blurred division between the Gairin and Chūrin areas as an indication that this is the oldest dialect split in Japan.....	94
4 The development of the tone systems of Tōkyō, Kyōto and Kagoshima.....	96
4.1 The developments in the Nairin and Chūrin type dialects.....	97
4.1.1 /H/ tone restriction.....	99
4.1.2 The development of [M] pitch.....	100
4.1.3 The development of /H/ tone anticipation and a %L phrase boundary tone	103
4.1.4 Analogy in the tone classes that lack /H/ tone	104
4.1.5 /H/ tone anticipation affects the remaining /L/ tones.....	106
4.2 The developments in the Kyōto type dialects.....	106
4.2.1 How the leftward shift created the /L/ toneme in modern Kyōto.....	108
4.2.2 The origin of the mixed reflexes of tone class 3.2 in the Kyōto type dialects of central Honshū	109
4.2.3 The realization of classes with all Ø tone as [H] in the Kyōto type dialects.....	109
4.2.4 The reason why the distinct tone classes 1.2, 2.5 and 3.7 were lost in Tōkyō but preserved in Kyōto	110
4.2.5 The developments in the Kyōto type dialects of Shikoku and the Seto Inland Sea	112
4.3 The developments in the Gairin Tōkyō type dialects	114
4.4 The development of the two Kagoshima word-tones	116
4.5 The reconstruction of the tone of class 3.3	118
4.6 Did the tone of the initial syllable have a special status in Middle Japanese?	121
4.7 Conclusion.....	123
5 Arguments in favor of Ramsey's theory based on internal reconstruction	125
5.1 The special tonal features of the particle <i>no</i>	125
5.1.1. The particle <i>no</i> in the Tōkyō type dialects	125
5.1.2 The particle <i>no</i> in Kyōto, Ōsaka and Kōchi	127
5.1.3 The loss of the special features of the particle <i>no</i> after monosyllabic nouns.....	128
5.1.4 The distribution of the particle <i>no</i> /H/ tone cancellation	129
5.2 The tone of compound nouns in the modern dialects	132
5.2.1 The tone of compound nouns with 'long' second elements in Tōkyō and Kyōto	132
5.2.2 The tone of compound nouns with 'short' second elements in Tōkyō....	133
5.2.3 The tone of compound nouns with 'short' second elements in Kyōto: Wada's discovery and its meaning for Ramsey's theory	136
5.3 Incongruent register of compounds in the dialect of Kyōto.....	138

5.4	The origin of the two types of reflexes of tone class 2.3 in Tōkyō	138
5.5	Compounds with tone class 2.3 in Hiroshima, Kyōto and Tōkyō	140
5.6	What do the compounds in Hiroshima, Kyōto and Tōkyō tell us?	143
5.7	The tone rules for compound nouns in the Gairin type dialects	144
5.8	The tone rules for compound nouns in Middle Japanese	147
5.8.1	Compounds with ‘long’ second elements	147
5.8.2	Compounds with ‘short’ second elements	149
5.9	How old are the tone rules for compound nouns in central Japan?	152
5.10	How old are the rules for compound nouns in the Gairin type dialects?	154
5.11	Noun compounding and the tone class divisions of proto-Japanese	155
5.12	The relation between sequential voicing and lack of /H/ tone in compounds	156
5.13	The origin of the irregular cross-dialect correspondences of longer nouns	159
6	A new look at dialect tone	160
6.1	Transitional or ‘Tarui type’ dialects	160
6.2	The Noto dialects	165
6.2.1	Kindaichi’s data	167
6.2.2	McCawley’s view	169
6.2.3	Noto type tone and Ramsey’s Middle Japanese tone system	170
6.2.4	The conditioned variants as remnants of earlier Kyōto type tone?	171
6.2.5	The origin of the variants in the Noto dialects	174
6.2.6	The tone of monosyllabic nouns in the Noto dialects	175
6.2.7	The tone system of Toyama	177
7	Rightward spreading and tone shift in the Japanese dialects	180
7.1	Rightward tone shift in the Tōkyō type dialects	181
7.1.1	Rightward tone shift conditioned by vowel height	182
7.1.2	Unconditional rightward tone shift	187
7.2	Rightward tone shift in the Kyōto type dialects	187
7.2.1	Rightward tone shift conditioned by vowel height	187
7.2.2	Unconditional rightward tone shift in Ibukijima	189
8	Subclass divisions in proto-Japanese	191
8.1	Subclass divisions based on dialectal reflexes	191
8.1.2	The subclasses 2.2a and 2.2b in Martin’s classification	191
8.1.3	The subclasses 2.2a, 3.2a and 3.7a in the standard theory	192
8.1.4	Subclasses 2.2a, 3.2a and 3.7a in Ramsey’s theory: Final /R/ tone preceded by /L/ tone in proto-Japanese	193
8.1.5	Is the distinction between tone classes 3.2a and 3.2b reflected in the Kyōto type dialects?	194
8.2	Subclass divisions based on tone dot attestations	198

8.2.1 Tone class 1.3b: /F/ tone in Middle Japanese.....	198
8.2.2 Tone class 3.5b (and tone class 2.5): Final /R/ tone preceded by /H/ tone in Middle Japanese.....	200
8.2.3 The reason why /R/ tone preceded by /H/ tone is still attested in Middle Japanese	202
8.2.4 Were tone classes 3.5b and 2.5 larger than the small number of attestations in Middle Japanese would make us believe?.....	202
8.2.5 The developments in class 3.5b in Tōkyō	204
8.3 Were the final /R/ tones an innovation of central Japan?	205
8.4 Restrictions to the location of /F/ and /R/ in Middle Japanese	207
9 The tone systems of the Ryūkyūs	208
9.1 Rightward tone shift and the shift from syllable-tone to word-tone.....	209
9.2 Hattori's later reconstruction of the proto-Japanese tone system	212
9.3 The split in classes 2.3 and 2.4/5 examined.....	215
9.3.1 Was there no distinct tone class 2.3 in proto-Ryūkyūan?	215
9.3.2 A comparison of the <i>iki</i> -, <i>ita</i> - and <i>mari</i> -groups in 12 dialects	216
9.4 From vowel length to [H] pitch or from [H] pitch to vowel length?.....	222
9.4.1 Overview of word-tones and vowel length in disyllabic nouns	222
9.4.2 The geographical distribution of vowel length in the Ryūkyūs	227
9.4.3 Arguments against the idea that vowel length in the initial syllable	228
is original	228
9.4.4 Kindaichi's ideas on the origin of vowel length in the Ryūkyūs.....	229
9.5 Rightward tone shift conditioned by vowel height and the split in class 2.4/5	230
9.6 Possible explanations for the <i>iki/ita</i> split compared	232
9.6.1 Extra tone classes in proto-Japanese	233
9.6.2 Vowel length distinctions in proto-Japanese	233
9.6.3 Dialect interference in the development of proto-Ryūkyūan	234
9.7 Martin's idea of /L/ tone as a concomitant of vowel length in proto-Japanese	237
9.7.1 Vovin's evidence for vowel length in proto-Okinawan.....	239
9.7.1.1 Vovin's examples	239
9.7.1.2 Amendments to Vovin's examples	240
9.7.1.3 The examples of underlying vowel length.....	242
9.7.1.4 Vovin's proto-Ainu evidence for vowel length in proto-Japanese.....	245
10 Conclusion: The order and timing of the dialect splits	247
10.1 Minor developments.....	247
10.2 The new dialect-geographical paradox	248
10.3 The conditioned split between Nairin type and Chūrin type.....	249
10.4 The oldest split from proto-Japanese: The Gairin type tone system and its geographical distribution.....	250
10.5 Similarities between the dialects of Izumo and Tōhoku	251

10.6	The settlement of the Tōhoku region.....	252
10.7	The starting point of the /H/ tone restriction	254
10.8	Final developments.....	256
10.9	Hattori's ideas on the relation between dialect boundaries based on tonal distinctions and Japanese history.....	258
11	The accent of Japanese loanwords in Ainu	259
11.1	The basis of the Ainu dialect comparison.....	259
11.2	Phonological differences between Sakhalin Ainu and Hokkaidō Ainu ...	261
11.3	Distinctive vowel length in Sakhalin	266
11.4	Distinctive accent in Hokkaidō.....	267
11.5	Similarities between the two systems	268
11.6	Hattori's reconstruction of proto-Ainu phonological structure and accent	269
11.6.1	Exceptions to Hattori's correspondences	273
11.7	The lack of pitch and vowel length distinctions in monosyllables.....	274
11.7.1	Yamamoto Tasuke's description	274
11.7.2	Asai's findings.....	276
11.8	Evidence for the direction of change.....	277
11.8.1	The Hokkaidō Ainu system as a simplification of the Sakhalin Ainu system	277
11.8.2	The relation between retention of accent on the second syllable in Yakumo and vowel length in Sakhalin.....	278
11.8.3	Vowel length in older Japanese sources of Hokkaidō Ainu	279
11.8.3.1	<i>Matsumae no kotoba</i> (1626/1627)	279
11.8.3.2	<i>Moshiogusa</i> (1792).....	282
11.8.3.3	<i>Ezo kotoba irohabiki</i> (1848).....	284
11.8.4	The development of distinctive pitch-accent in Hokkaidō Ainu.....	285
11.8.5	Vowel length in older sources of Kuril Ainu.....	285
11.8.5.1	Krasheninnikov (1738).....	286
11.8.5.2	Klaproth/Steller (1823/1743)	287
11.8.5.3	Nineteenth century sources of Kuril Ainu	289
11.8.6	Influence from Japanese	291
11.9	Vovin's reconstruction of proto-Ainu phonological structure and tone... 292	
11.9.1	Monosyllables	294
11.9.1.1	Proto-Ainu */H/.....	294
11.9.1.2	Proto-Ainu */L/	295
11.9.2	Disyllables.....	297
11.9.2.1	Proto-Ainu */HH/.....	297
11.9.2.2	Proto-Ainu */HL/.....	300
11.9.2.3	Proto-Ainu */LL/	302
11.9.2.4	Proto-Ainu */LH/.....	303
11.9.3	Trisyllables.....	303

11.9.3.1 Proto-Ainu */LHL/	303
11.9.3.2 Proto-Ainu */LLH/	304
11.10 Vovin's evidence from Japanese loanwords in Ainu for the standard reconstruction of proto-Japanese tone	305
11.11 What can the Japanese loanwords really tell us?	308
11.11.1 Loanwords that include voiced consonants in the second syllable in Japanese	308
11.11.2 Loanwords that have the accent on the second syllable in Ainu	309
11.11.3 Loanwords that have the accent on the initial syllable in Ainu	311
11.11.4 Traders from Ōsaka	313
11.12 Evaluating the evidence	314
11.12.1 The loanwords and the standard reconstruction	314
11.12.2 The loanwords and Ramsey's reconstruction	314
11.12.3 Attempts to date the examples	315
11.12.4 The origin of the two different segmental shapes for loanwords with accent on the initial syllable	317
11.12.5 The CVCCV shaped loanwords as evidence for Hattori's reconstruction of proto-Ainu vowel length	318
11.12.6 The special case of <i>pasúy</i> , <i>kamúy</i> and <i>múy</i>	319
11.13 Vovin's reconstruction of proto-Ainu consonant clusters	321
11.14 Conclusion	325
II The introduction and adaptation of the Middle Chinese tones in Japan	327
Introduction	329
0.1 Ramsey's theory and the evidence from the modern dialects	329
0.2 Ramsey's theory and Late Middle Chinese tone, Japanese philology and the Buddhist <i>shōmyō</i> tradition	329
I The history of Middle Chinese	331
1.1 The different varieties of speech that functioned as the Chinese standard language	331
1.1.1 Early Middle Chinese	331
1.1.2 Varieties of Early Middle Chinese	332
1.1.3 Late Middle Chinese	332
1.1.4 Wu pronunciation and Qin pronunciation	333
1.2 The relationship between Early Middle Chinese and Late Middle Chinese	334
1.2.1 Late Middle Chinese as the ancestor of the modern dialects	335
2 The origin of tone in Middle Chinese	336
2.1 From consonantal distinctions to tonal distinctions	336
2.2 The effect of glottal stop and <i>-h</i> on the pitch of preceding syllables	337
2.3 Chinese descriptions of the four tones	339

3	Character reading traditions in Japan.....	341
3.1	Early Sino-Japanese	341
3.1.1	Go-on and southern Early Middle Chinese.....	341
3.2	Direct contacts with China	342
3.2.1	Introduction of new character readings	343
3.2.2	The introduction of the tone dots.....	343
3.2.3	The government promotes foreign Chinese (Han pronunciation).....	344
3.2.4	The development of a new standard of Sino-Japanese	345
3.3	<i>Confusion and overlapping of terms</i>	346
3.4	Confucianist and Buddhist reading practice	347
3.4.1	Buddhist reading methods	348
3.5	Reorganization of Go-on	349
3.6	Buddhist Kan-on study	349
3.7	Buddhist study of Chinese phonology	350
3.8	Different types of historical material	352
3.9	Present day Go-on and Kan-on pronunciations	352
3.10	Summary of terms relating to Sino-Japanese.....	352
4	The difference between the tones of Go-on and Kan-on.....	354
4.1	The Go-on tones and the Kan-on tones are contrasted to each other.....	354
4.2	Characters in the Go-on pronunciation are marked with ‘reversed’ tone dots	356
4.3	The tonal value of the tone dots is based on the Kan-on tone tradition	358
4.4	The shift from <i>qu</i> tone markings in Wa-on to <i>shang</i> tone markings in Go-on	358
4.5	Tone descriptions from the Tendai and Shingon schools concern the Kan-on tones	359
5	The <i>shōmyō</i> traditions of the Tendai and Shingon schools	360
5.1	Varieties of <i>shōmyō</i>	360
5.2	Nara <i>shōmyō</i>	361
5.3	Heian <i>shōmyō</i> : The introduction of Tendai and Shingon	362
5.4	A period of change	363
5.5	<i>Shōmyō</i> traditions within the Tendai school	365
5.6	<i>Shōmyō</i> traditions within the Shingon school.....	366
5.6.1	Kogi Shingon	366
5.6.2	Shingi Shingon	367
5.7	The antiquity of the <i>shōmyō</i> traditions that have survived to this day	368
6	The earliest tone description in Japan: <i>Shittan-zō</i>	371
6.1	Annen’s four traditions	371
6.1.1	Biao and Jin.....	372
6.1.2	Isei and Chisō	373
6.2	Annen’s text	373

6.2.1 Heavy and light 重輕.....	376
6.2.2 Low/falling and high/rising 低昂.....	378
6.2.3 Inner and outer 内外.....	379
6.2.4 The tones 声勢.....	380
6.2.5 <i>Nu</i> -sounds 怒声.....	381
6.2.6 Enunciatory strength 著力.....	383
6.3 The tone systems of Isei and Chisō.....	384
6.4 Which of Annen's tone systems represents the LMC standard language?.....	387
6.5 Remaining problems.....	389
7 Later Japanese tone theories.....	392
7.1 Overview of the kinds of tone dots used in Japan.....	393
7.1.1 Tone systems in which not all distinctions may have been based on pitch.....	393
7.1.2 Tone systems in which the distinctions were based on pitch.....	394
7.1.3 The quasi eight-tone system of the Tendai school.....	396
7.2 Myōgaku and the state of Siddham study in Myōgaku's time.....	399
7.3 The descriptions of the tones.....	400
7.3.1 Heian period (794-1185).....	400
7.3.1.1 Chūzan 仲算 (Hossō school).....	400
7.3.1.2 Myōgaku 明覺 (Tendai school).....	402
7.3.1.3 Fujiwara Munetada 藤原宗忠.....	418
7.3.1.4 Eijū 恵什 (Shingon school):.....	421
7.3.1.5 (Kōmyō-san) Jūyo (光明山) 重誉 (Tendai school).....	423
7.3.1.6 Shinren 心蓮 (Shingon school).....	424
7.3.2 Kamakura period (1185-1338).....	424
7.3.2.1 Dōhan 道範 (Shingon school).....	424
7.3.2.2 Shinpan 信範 (Shingon school).....	425
7.3.2.3 Ryōson 了尊 (Shingon school).....	429
7.3.2.4 Anonymous (Tendai school).....	430
7.3.3 The early Muromachi or Nanboku-chō period (1338-1392).....	431
7.3.3.1 Kenpō 賢宝 (Kogi Shingon school).....	431
7.3.3.2 Anonymous (Tendai school).....	433
7.3.3.3 Shinkū 心空 (Tendai school).....	436
7.4 Overview of the tone descriptions.....	438
7.4.1 Descriptions that concentrate on differences in length between <i>light</i> and <i>heavy</i> in the <i>shang</i> and <i>qu</i> tones.....	438
7.4.2 Descriptions that concentrate on differences in pitch.....	438
8 Background and analysis of the tone theories of the Siddham scholars.....	441
8.1 The tones of the Siddham scholars do not represent the tones of LMC....	441
8.1.1 Features that go back to a misinterpretation of Annen's text.....	443
8.1.2 The merger of <i>light qu</i> with <i>shang</i> is a Japanese invention.....	447

8.2 The tones of the Siddham scholars do not represent the tones of Middle Japanese	449
8.3 The influence of Myōgaku's innovations	450
8.3.1 Myōgaku's <i>fanqie</i> theory.....	451
8.3.2 Myōgaku divides the tones in two parts	452
8.3.2.1 The tone contour of the 'initial tone'	453
8.3.2.2 The tone contour of the 'final sound'	455
8.3.3 Myōgaku's eight-tone theory: A tone system that had no historical basis.....	455
8.3.4 Myōgaku adapts the tone contour of the <i>qu</i> tone in the six-tone theory.....	456
8.4 Myōgaku's influence on the Shingon tone theories.....	458
8.5 Summary	459
9 Which reconstruction agrees better with the tones of the Siddham scholars?....	461
9.1 The tones of the Siddham scholars and the standard reconstruction	461
9.2 The tones of the Siddham scholars and Ramsey's reconstruction	464
9.3 The Shingon <i>qu</i> tone and the background of <i>Ruiju myōgi-shō</i>	466
9.4 The <i>light ping</i> tone dot.....	467
9.4.1 The abandonment of the use of the <i>light ping</i> tone to mark Japanese words	468
9.4.2 Was the use of the <i>light ping</i> tone abandoned because of Myōgaku's theories?	470
9.4.3 The origin of the rising contour of the <i>light ping</i> tone and the falling contour of the <i>heavy ping</i> tone in Japan.....	471
10 Stages in the adaptation of the tones of Late Middle Chinese in Japan	475
10.1 The first stage: The tone system of the Han pronunciation	475
10.2 The second stage: The Early Kan-on tone system.....	478
10.3 The third stage: The Later Kan-on tone system.....	481
10.4 The tone systems used outside the monasteries	482
11 Miscellaneous issues.....	483
11.1 The Wa-on tones	483
11.1.1 Differences in vowel length as the origin of the reversed Wa-on tone markings?	484
11.1.2 The <i>ru</i> -tone in Wa-on and Kan-on	486
11.2 The Sinologist view of the <i>shang</i> and <i>qu</i> tones	490
11.3 The <i>shang</i> and <i>qu</i> tones in Sino-Korean.....	491
11.4 Paekche loanwords in Old Japanese.....	494
12 Determining the time of the tone shift in Kyōto	496
12.1 Evidence from the 14 th century.....	497
12.1.1 Gyōa's emendations to Fujiwara Teika's spelling system.....	497
12.1.2 Emperor Chōkei on the <i>ping</i> , <i>shang</i> and <i>qu</i> tones.....	499

12.2 Confusion in the 15 th century.....	500
12.2.1 Yūkai 宥快 (Kogi Shingon school).....	500
12.3 Reanalysis at the end of the 15 th century	501
12.3.1 In'yū 印融 (Kogi Shingon school).....	502
12.4 The annotation 'ataru' in the 16 th century.....	505
12.5 Summary	507
13 The Japanese tone theories after the shift	509
13.1 The <i>shōmyō</i> revival in the 17 th century.....	509
13.1.1 Kannō 観応 (Shingi Shingon school).....	509
13.1.2 Pitch readjustment rules after the shift: <i>ideai</i> 出合	512
13.1.3 Keichū 契沖 (Kogi Shingon school)	514
13.1.4 Anonymous (Kogi Shingon school).....	517
13.2 Diversity in the tone theories of the 18 th century.....	517
13.2.1 Monnō 文雄 (1700-1763, Jōdo school)	518
13.2.2 Ise Sadatake 伊勢貞丈 (1715-1784).....	518
13.2.3 Motoori Norinaga 本居宣長 (1730-1801).....	518
13.3 The Buddhist tone theories in the 19 th century	519
13.3.1 Anonymous (Shingi Shingon).....	520
13.3.2 The Tendai tone system after the shift: Rai Tsutomu's study of the Kan-on <i>shōmyō</i> of the Tendai school.....	520
13.4 The Edo period tone theories and modern scholarship.....	523
14 <i>Fushihakase</i> material	525
14.1 The interpretation of older <i>fushihakase</i> material is uncertain.....	525
14.2 The historical development of the <i>fushihakase</i>	526
14.2.1 <i>Ko-hakase</i> ('old <i>hakase</i> '): <i>Shōten hakase, tada hakase, fu-hakase</i>	528
14.2.2 <i>Zu-hakase</i>	531
14.2.3 The early <i>goin hakase</i> system of Tanchi	533
14.2.4 <i>Meyasu hakase</i>	534
14.2.5 The <i>goin hakase</i> or <i>hon-bakase</i> system of Kakui.....	536
14.2.6 <i>Shōmyō</i> genres that contain historical information on the Japanese tones	539
14.2.7 Neumes versus absolute tone.....	539
14.3 <i>Fushihakase</i> material that has to be reinterpreted in view of Ramsey's theory.....	542
14.3.1 <i>Fushihakase</i> material that reflects a Middle Japanese tone system.....	542
14.3.1.1 The <i>Daiji-in-bon</i> of <i>Shiza kōshiki</i>	543
14.3.2 <i>Fushihakase</i> material that reflects a restricted tone language.....	548
14.3.2.1 <i>Butsuyūigyō-kyō</i>	549
14.3.2.2 The old <i>rongi</i> material and the quotation part of <i>Bumō-ki</i>	550
14.4 The history of the <i>rongi</i> ceremonies and the <i>rongi</i> books	551
14.4.1 The <i>rongi</i> ceremonies.....	551
14.4.2 The <i>rongi</i> books	552

14.4.3 Why is the vocabulary part of <i>Bumō-ki</i> regarded as <i>yomikuse</i> ?	553
14.5 The tone system reflected in the old <i>rongi</i> material and <i>Butsuyuigyō-kyō</i>	556
14.6 The reading of the <i>ko-hakase</i> materials the 16 th century and later.....	559
14.7 The musical notation systems of <i>Nō</i> and the <i>Heike monogatari</i>	560
14.7.1 <i>Yōkyoku</i>	561
14.7.2 <i>Heikyoku</i>	562
14.7.3 The value of the marks in <i>Nō</i> and <i>Heikyoku</i> : reversal or preservation?	563
14.8 Summary	564
15 Conclusion	566
References.....	571
Index.....	587