

The Proto-Chinese Final System and the Ch'ieh-yün

Kun Chang and Betty Shefts Chang

University of California, Berkeley

Contents

I.	Introduction	1
	The Nature of the <u>Ch'ieh-yün</u>	1
	Dialect Variations; the 元 Category	5
	The Reconstruction of Proto-Chinese	13
	Prefatory Remarks	26
II.	Finals of the Third Division	29
	A. Finals with *-n, *-t Endings	32
	The Pre-Archaic/Southern Ancient "a" : "b" : "c" Contrasts .	32
	Evidence from Phonetic Compounds	33
	<u>Shih-ching</u> -type "a" : "b"/"c" Systems	38
	The Ch'ung-niu Doublets: "a"/"b" Merging	39
	The Min Dialects and Go-on: Relics of an "a"/"b" : "c" System	46
	Changes in Labial Initials: Labialization, Dentilabialization, and Dentalization	53
	B. Finals with *-d Endings	61
	The Pre-Archaic/Southern Ancient "a" : "b" : "c" Contrasts .	61
	Evidence from Phonetic Compounds	64
	<u>Shih-ching</u> -type "a" : "b"/"c", non- <u>Shih-ching</u> -type "a"/"b" : "c" Systems	65
	The Post-Archaic Lowering of *-jid to *-jed	69
	C. Finals with *-m, *-p Endings	72
	The <u>Ch'ieh-yün</u> 's Classification	72
	Evidence from Phonetic Compounds	73
	<u>Shih-ching</u> and non- <u>Shih-ching</u> -type Systems	78

D. Finals with *-ŋ, *-k Endings	88
The <u>Ch'ieh-yün</u> 's Categories	88
Vowel-lowering before *-ŋ, *-k: Three Developments	94
Changes in B-tone Words	116
E. Finals with *-g Endings	119
Vowel Lowering	119
Disparities in Archaic : <u>Ch'ieh-yün</u> Correspondences	119
The *-əu- to *-au- Change: 宵 ^a , 邑 ^b , 尤 ^c	122
The *-jaug : *-jäug Contrast: 宵 ^a , 胥 ^b	125
F. Finals with Open-syllable Endings	128
G. Merging of the 支 , 脂 , 之 , 微 Categories .	129
Modern Correlates	129
Proto-Chinese Sources	129
Stages on the Way to Merging	132
III. Finals of the First Division	138
A. Finals with Labial Endings	139
<u>Ch'ieh-yün</u> -- <u>Shih-ching</u> Discrepancies	139
Evidence from Phonetic Compounds	145
B. Finals with Dental Endings	152
Evidence from Phonetic Compounds	152
Modern Reflexes of the <u>Ch'ieh-yün</u> Contrasts	156
C. Finals with Velar Endings	161
IV. Finals of the Fourth Division	168
V. Finals of the Second Division	178
Evidence from Phonetic Compounds	180
Evidence from Rime Practice	191
Evidence from Earlier Rime Dictionaries	192
Asymmetries in the <u>Ch'ieh-yün</u> 's Classification	195

Charts

1. The Vowels and Endings of <u>Shih-ching</u> Archaic Chinese	17
2. The Vowels and Endings of Proto-Chinese	23
3. Purnell's Proto-Miao-Yao Finals	25
4. Li's Proto-Tai Vowels	25
5. The Finals of Written Tibetan and Written Burmese	27
6. The Occurrence of Ancient Chinese Initials in the Four Divisions	31
7. Three-way Contrasts of Third-division Words with *-n, *-t Endings and Labial Initials	34
8. Three-way Contrasts of Third-division Words with *-n, *-t Endings and Velar Initials	35
9. Third Division: *-n Endings, Velar Initials; <u>Shih-ching</u> -type Development	40
10. Sino-Korean Correspondences: Third-division *-n, *-t Finals (Simple Velar Initials; Low Vowels)	41
11. Sino-Korean Correspondences; Third-division *-n, *-t Finals (Simple Velar Initials; High Vowels)	42
12. Sino-Korean Correspondences: Third-division *-n, *-t Finals (Labialized Velar Initials; Low Vowels)	43
13. Sino-Korean Correspondences: Third-division *-n, *-t Finals (Labialized Velar Initials; High Vowels)	44
14. Third Division: *-n Endings, Velar Initials; Non- <u>Shih-ching</u> - type Development	47
15. Foochow and Go-on Correspondences: Third-division *-n, *-t Finals (Simple Velar Initials; Low Vowels)	49
16. Foochow, Amoy, and Go-on Correspondences: Third-division *-n, *-t Finals (Simple Velar Initials; High Vowels)	50
17. Non- <u>Shih-ching</u> -type Rimes: Evidence from the <u>Ch'ieh-yün</u> and Early Rime Dictionaries	52
18. Labialization, Dentilabialization, and Dentalization (*-n, *-t Finals; Low Vowels)	56

19.	Labialization, Dentilabialization, and Dentalization (*-n, *-t Finals; High Vowels)	57
20.	Third Division: *-n Endings, Labial Initials; <u>Shih-ching-</u> type Development	58
21.	From Archaic Chinese to Sino-Annamese (via a Mandarin-type Dialect): Third-division *-n Finals; Labial Initials	59
22.	From Archaic Chinese to Modern Mandarin: Third-division *-n Finals; Labial Initials	60
23.	Words with Velar Initials in the 禄 and 麻 Categories . .	62
24.	Words with Labial Initials in the 禄 and 麻 Categories . .	63
25.	Third Division: *-d Endings, Velar Initials; <u>Shih-ching</u> -type Development	66
26.	Third Division: *-d Endings, Velar Initials; Non- <u>Shih-ching</u> - type Development	67
27.	The Correlation of Go-on e and ho-k'ou Words with Ancient Chinese *-Vi Finals	68
28.	Labialization and Dentilabialization (*-m Finals; Low Vowels)	81
29.	Third Division: *-m Endings, Velar Initials; <u>Shih-ching</u> -type Development	82
30.	Third Division: *-p Endings, Velar Initials; <u>Shih-ching</u> -type Development	83
31.	Third Division: *-m Endings, Labial Initials	84
32.	Third Division: *-p Endings, Labial Initials	85
33.	Third Division: *-m Endings, Velar Initials; non- <u>Shih-ching</u> - type Development	86
34.	Third Division: *-p Endings, Velar Initials; non- <u>Shih-ching</u> - type Development	87
35.	Third-division Categories with *-ŋ, *-k Endings	89
36.	Third-division Words with Labial Initials and Velar Endings (Back-vowel Series)	96

37. Examples of pre-Wenchow Raising in the 鐘 Category	98
38. Low-vowel ("Colloquial") Reflexes of the 清 (*-jɪŋ) Category (Development B Dialects)	100
39. Low-vowel ("Colloquial") Reflexes of the 蒼 (*-jɪk) Category (Development B Dialects)	101
40. Reflexes of the 清 (*-jɪŋ), 延 (*-jraŋ), and 燕 (*-jəŋ) Categories (Development A, B, C Dialects)	102
41. Reflexes of the 蒼 (*-jɪk), 雅 (*-jrak), and 聖 (*-jək) Categories (Development A, B, C Dialects)	103
42. Third Division: *-ŋ Endings, Velar Initials (Plain and Labialized); Development A	104
43. Third Division: *-ŋ Endings, Velar Initials (Plain and Labialized); Development B	105
44. Third Division: *-ŋ Endings, Velar Initials (Plain and Labialized); Development C	106
45. Third Division: *-k Endings, Velar Initials (Plain and Labialized); Development A	107
46. Third Division: *-k Endings, Velar Initials (Plain and Labialized); Development B	108
47. Third Division: *-k Endings, Velar Initials (Plain and Labialized); Development C	109
48. Development A Reflexes: Kan-on and Sino-Korean	110
49. Development A Reflexes: Wenchow	111
50. Development B Reflexes: Go-on	112
51. Development B Reflexes: Nan-ch'ang and Foochow	113
52. Development C Reflexes: Sino-Annamese	114
53. Development C Reflexes: Cantonese and Mandarin	115
54. Third Division: *-g Endings, Velar Initials (Plain and Labialized)	120
55. Third Division: *-g Endings, Labial Initials	121
56. Reflexes of the 宵 ^a , 邑 ^b , and 尤 ^c Categories in Modern Chinese Dialects and Sino-Korean	123

57. The Ch'ieh-yün's 宵 ^a : 宵 ^b Categories: Sino-Annamese Correspondences for Words with Labial Initials	127
58. Modern-dialect Reflexes of the 支 , 脂 , 之 , 微 Categories: Velar Initials	130
59. Modern-dialect Reflexes of the 支 , 脂 , 微 Categories: Labial Initials	131
60. The Ch'ieh-yün's First-division Categories: High Vowels	140
61. The Ch'ieh-yün's First-division Categories: Low Vowels	141
62. Reflexes of the 談 and 豈 Categories in Modern Wu Dialects	143
63. Reflexes of the 盡 and 合 Categories in Modern Wu Dialects	144
64. First Division: *-m Endings; Shih-ching-type Development . . .	148
65. First Division: *-p Endings; Shih-ching-type Development . . .	149
66. First Division: *-m Endings; Non-Shih-ching-type Development .	150
67. First Division: *-p Endings; Non-Shih-ching-type Development .	151
68. First Division: *-n Endings	157
69. First Division: *-t Endings	158
70. First Division: *-d Endings	159
71. Reflexes of the 台 and 泰 Categories in Modern Wu Dialects	160
72. Cantonese Reflexes of First-division Height Contrasts	164
73. First Division: *-ŋ Endings	165
74. First Division: *-k Endings	166
75. First Division: *-g Endings	167
76. Fourth Division: Nonlabialized Initials; Dental and Labial Endings	172
77. Fourth Division: Nonlabialized Initials; Velar Endings	173
78. Fourth Division: Labialized Initials	174
79. The Merging of Third and Fourth-division Categories in the Rime Dictionaries Listed in the Preface to the Ch'ieh-yün . . .	175-6

80. Sino-Annamese Correlates to Some Fourth-division Words	177
81. The <u>Ch'ieh-yün's</u> Second-division Categories	179
82. The Double Development of *-rig	181
83. The Merging of Second, Third, and Fourth-division Categories with *-ŋ, *-k Endings in Early Rime Dictionaries	194
84. Second Division: *-m Endings; <u>Shih-ching</u> -type Development . . .	198
85. Second Division: *-m Endings; Non- <u>Shih-ching</u> -type Development .	199
86. Second Division: *-p Endings; <u>Shih-ching</u> -type Development . . .	200
87. Second Division: *-p Endings; Non- <u>Shih-ching</u> -type Development .	201
88. Second Division: *-n Endings; <u>Shih-ching</u> -type Development . . .	202
89. Second Division: *-n Endings; Non- <u>Shih-ching</u> -type Development .	203
90. Second Division: *-t Endings; <u>Shih-ching</u> -type Development . . .	204
91. Second Division: *-t Endings; Non- <u>Shih-ching</u> -type Development .	205
92. Second Division: *-d Endings	206
93. Second Division: *-ŋ Endings	207
94. Second Division: *-k Endings	208
95. Second Division: *-g Endings	209