

# Once Again on Japanese Accent Systems

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smalltalk

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# How to pronounce *hashi*?

- 端      端が<sup>ⓗ</sup>
- 橋      橋が<sup>ⓗ</sup>
- 箸      箸が<sup>ⓗ</sup>

Hint: ㄏ: high in pitch  
ㄥ: low in pitch

# Kyōto

- 端 HH 端が<sup>ゝ</sup> HH-H
- 橋 HL 橋が<sup>ゝ</sup> HL-L
- 箸 LH 箸が<sup>ゝ</sup> LL-H

# Tōkyō

- 端 LH 端が LH-H
- 橋 LH 橋が LH-L
- 箸 HL 箸が HL-L

# Kagoshima

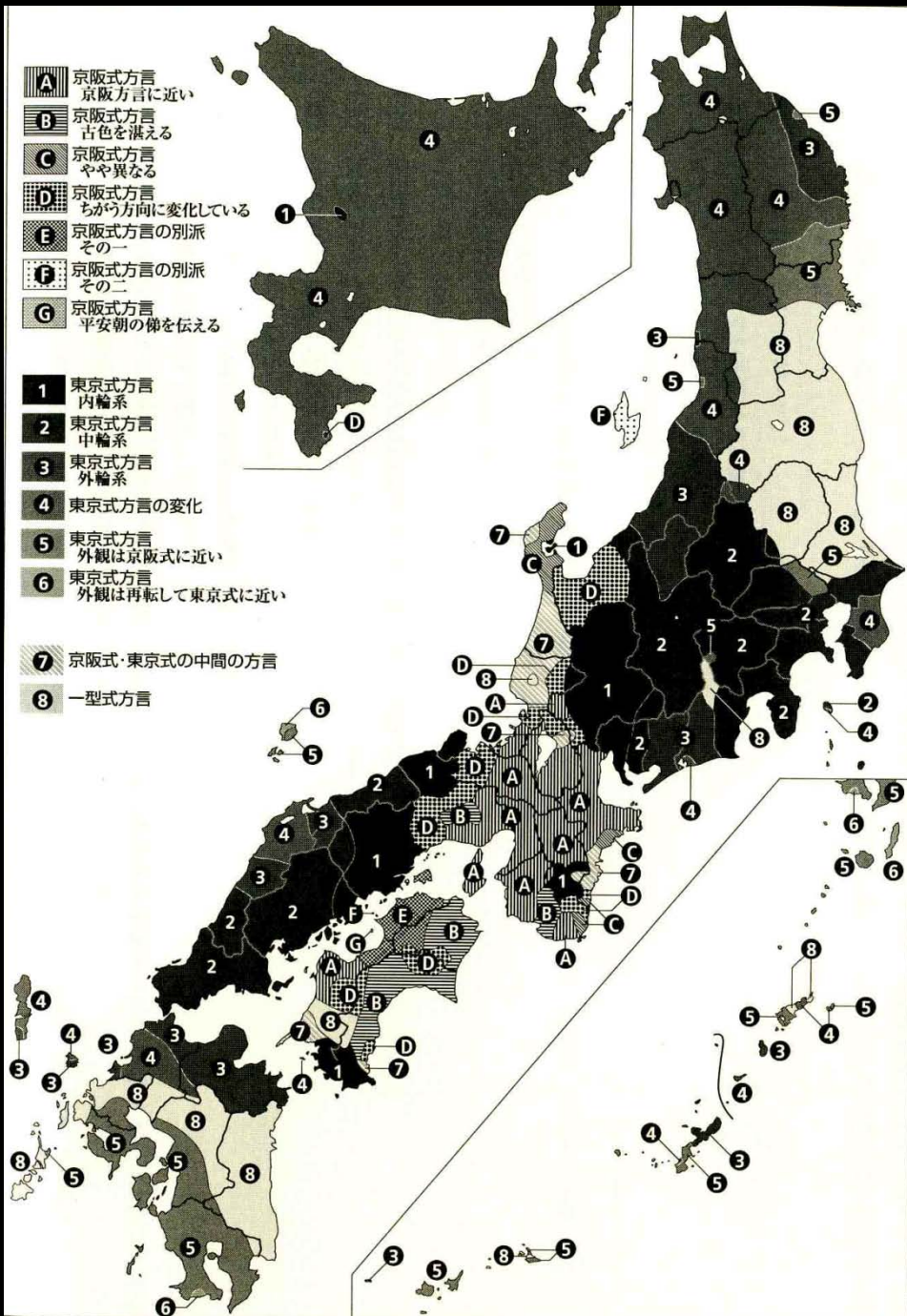
- 端 HL 端が LH-L
- 橋 HL 橋が LH-L
- 箸 LH 箸が LL-H

# Classes of two mora nouns

Accent class	Proto-Jpn	Ruijum yōgishō	Kyōto	Tōkyō	Kagoshima
2.1 端	*HH	HH	HH, HH-H	LH, LH-H	HL, LH-L
2.2 橋	*HL	HL	HL, HL-L	LH, LH-L	HL, LH-L
2.3 花	*LL	LL	HL, HL-L	LH, LH-L	LH, LL-H
2.4 箸	*LH	LH	LH, LL-H	HL, HL-L	LH, LL-H
2.5 春	*LF	LF/LH	LF, LH-L	HL, HL-L	LH, LL-H

- A** 京阪式方言  
京阪方言に近い
- B** 京阪式方言  
古色を湛える
- C** 京阪式方言  
やや異なる
- D** 京阪式方言  
ちがう方向に変化している
- E** 京阪式方言の別派  
その一
- F** 京阪式方言の別派  
その二
- G** 京阪式方言  
平安朝の俵を伝える

- 1** 東京式方言  
内輪系
- 2** 東京式方言  
中輪系
- 3** 東京式方言  
外輪系
- 4** 東京式方言の変化
- 5** 東京式方言  
外観は京阪式に近い
- 6** 東京式方言  
外観は再転して東京式に近い
- 7** 京阪式・東京式の中間の方言
- 8** 一型式方言



# Phonological interpretation

- H/L are *phonetic* 音声学 elements
- *Phonological* 音韻論 analysis offers better organization of each accent system
  - Locus 核, register 調域? (and vowel length)



# Tōkyō (locus system)

Phonemic	Phonetic	Accent class	Examples
00	LH, LH-H	2.1	端, 牛
001	LH, LH-L	2.2	橋, 石
		2.3	花, 山
010	HL, HL-L	2.4	箸, 船
		2.5	春, 雨

- Atonic (00), oxytonic (001) and prototonic (010)
- Phonetic rule: lower the unaccented word-initial high pitch

# Kagishima (register system)

Phonemic	Phonetic	Accent class	Examples
˘OO	HL, LH-L	2.1	端, 牛
		2.2	橋, 石
_OO	LH, LL-H	2.3	花, 山
		2.4	箸, 船
		2.5	春, 雨

- High-register (penultimate)(˘OO) and low-register (ultimate)(\_OO)
- A high-register word places a phonetic locus on a penultimate syllable and lowers the pitch of unaccented syllables
- In a low-register word, the final syllable is high in pitch and the rest of the syllables are low

# Kyōto (locus & register)

Phonemic	Phonetic	Accent class	Examples
$\bar{0}00$	HH, HH-H	2.1	端, 牛
010	HL, HL-L	2.2	橋, 石
		2.3	花, 山
$\_000$	LH, LL-H	2.4	箸, 船
001	LF, LH-L	2.5	春, 雨

- Word-initial-high-register ( $\bar{0}00$ ), word-initial-low-register ( $\_000$ ), initial-accent (010) & final-accent (001)

# Kagoshima (register system)

Phonemic	Phonetic	Accent class	Examples
˘000	LHL, LLH-L	3.1	印, 煙
		3.2	ムカデ
		3.3	力, 鮑
_000	LLH, LLL-H	3.4	袋, 宝
		3.5	枕, 油
		3.6	鰻, ミミズ
		3.7	薬, 兜

# Tōkyō (locus system)

Phonemic	Phonetic	Accent class	Examples
000	LHH, LHH-H	3.1	印, 煙
		3.2	ムカデ, 翼
		3.5	柱, 油
		3.6	鰻, 兎
		3.7	薬, 鯨
0100	HLL, HLL-L	3.3	鮑, サザエ
		3.5	枕, 命
		3.7	まぶた, 兜
0010	LHL, LHL-L	3.5	いところ, 心
0001	LHH, LHH-L	3.4	袋, 扉

# Kyōto (locus & register)

Phonemic	Phonetic	Accent class	Examples
˘000	HHH, HHH-H	3.1	印, 煙
		3.2	間, 桜
0100	HLL, HLL-L	3.2	小豆, 扉
		3.3	力, 鮑
		3.4	袋, 宝
		3.5	枕, 油
_000	LLH, LLL-H	3.6	鰻, ミミズ
0010	LHL, LHL-L	3.2	ムカデ, 翼
		3.7	薬, 兜

# Ruijomyōgishō (locus & register)

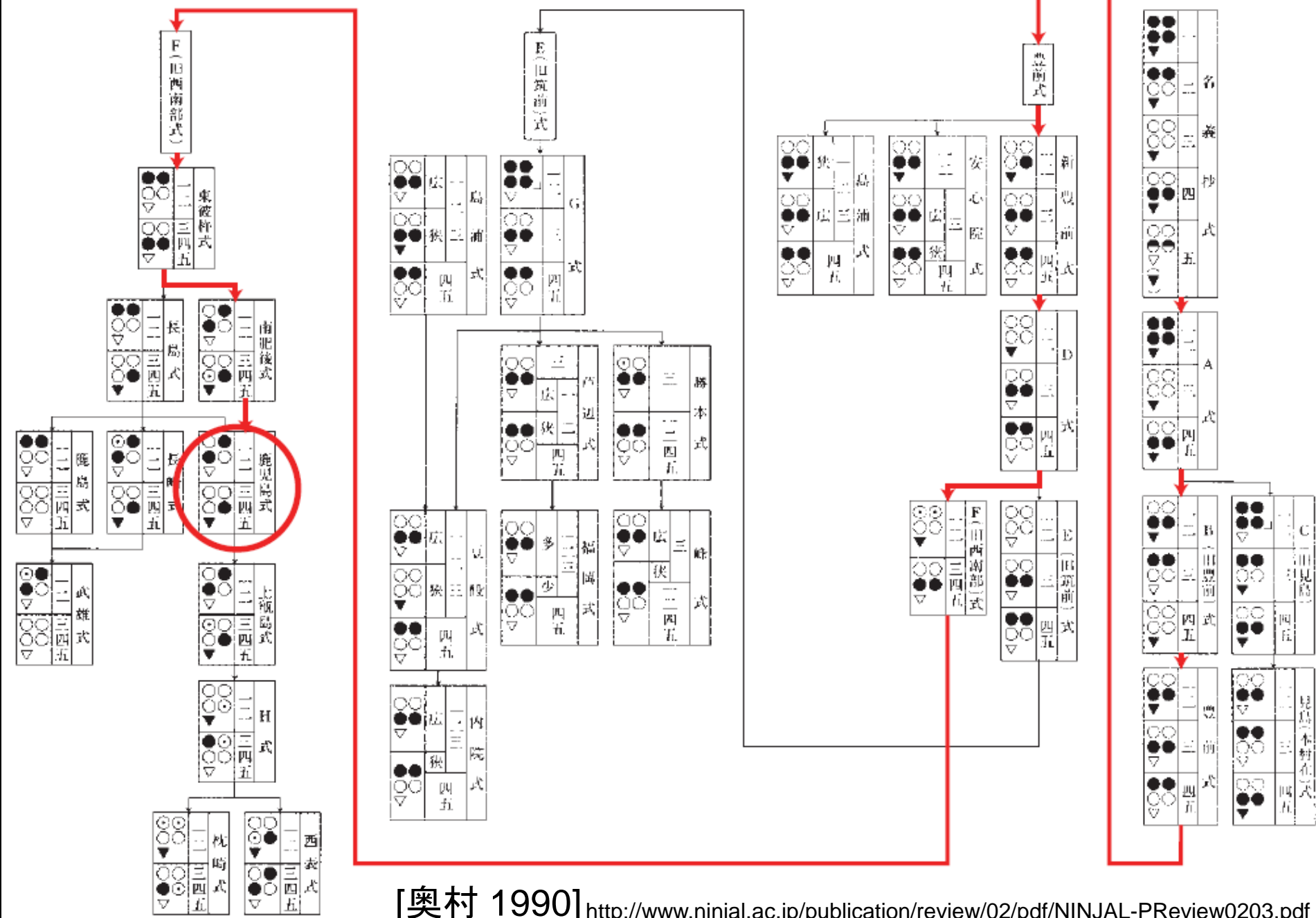
Phonemic	Phonetic	Accent class	Examples
ˊ000	HHH, HHH-H	3.1	印, 煙
ˊ0010	HHL, HHL-L	3.2	ムカデ
0100	HLL, HLL-L	3.3	力
_000	LLH, LLL-H	3.4	袋, 宝
0010	LHL, LHL-L	3.5	枕, 油
0100	LHH, LHH-H	3.6	鰻, ミミズ
_0010	LHL, LHL-L	3.7	薬, 兜

- Rising pitch ‘1’ in addition to falling pitch ‘1’

# Phylogenetic analysis

- How has each language evolved?
- Compare modern and documented languages to reconstruct the common ancestor





# Split of 2.3-5 nouns in Okinawan dialects

Accent subclass	Ruijomyō gishō	Nakijin 今帰仁	Shuri 首里
2.3a 甕	LL	haɽmi	_kaːmi
2.4a 息	LH	ʔiɽci	_ʔiːci
2.5a 影	LF / LH	haɽgi	_kaːgi
2.3b 穴	LL	_ʔanaː	_ʔana
2.4b 板	LH	_hicaː	_ʔica
2.5b 汗	LF / LH	_hasiː	_ʔasi

# Proto-Japonic (common ancestor of mainland Japanese & Ryukyuan)

Phonemic	Phonetic	Examples
ˉ00	HH, HH-H	*ˉpana 鼻, *ˉusi 牛, *ˉtəri 鳥
010	HL, HL-L	*e1si 石, *pa1si 橋
_00	LL, LL-L	*_pana 花, *_yama 山, *_enu 犬
_oo0	LLL, LLL-L	*_poːne 骨
010	LH, LH-H	*i1ta 板, *ka1ta 肩
oo10	LLH, LLH-H	*paː1suy 箸, *iː1kyi 息
001	LH, LH-L	*ase1 汗, *amay1 雨
oo01	LHH, LHH-L	*kaːnkay1 影, *mwoːkwo1 婿

# 参考文献

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