



Forum: Pronunciation $i^{1/4}\hat{c}^{\text{TM}}\frac{1}{4}e\ddot{Y}^3i^{1/4}\%$

Topic: $\epsilon \cdot \alpha^{\circ} \mathbb{E}^{\dagger} \mathbb{A}_\bullet \cdot \epsilon \cdot \alpha^{\circ} \mathbb{E}$

Subject: Re: €•æ°£è†ä, •€•æ°£

Posted by: Tim Luo

Posted on: 2006/4/20 0:36:31

Elinor,

[illegible] $\langle \pm \mathfrak{a} - \mp \mathfrak{a} \rangle,$

A Practical Introduction to Phonetics - J. C. Catford, 1990 Reprint æ-ɒæ>, ¼¾—ä, €®€ã€,

P.48

Readers whose native language is Chinese (Mandarin and most other major dialects) will find, by carrying out the same experiment, that the sounds represented by *b d g* in the Pinyin spelling system of their language are totally voiceless. They differ from *p t k* only in terms of *aspiration*, which we discuss below (p. 57).

ä, -æ-†æ>,

è•²éŸ»å-,ä,-çš,,èš€å¿µå'Œæ-¹æ³• - ä¹/²•å□šå®%₀

ç¶²è.⁀é£çµ•

http://en.wikipedia.org/wiki/Standard_Chinese

http://en.wikipedia.org/wiki/Aspiration_phonetics

English voiceless stop consonants are aspirated when they are word-initial or begin a stressed syllable, as in pen, ten, Ken, but this is not distinctive. That is, these consonants have unaspirated variants in other positions, such as word-finally or in an initial cluster with [s], as in spun, stun, skunk. In many languages, such as the Chinese languages, Hindi, Icelandic, Korean, Thai, and Ancient Greek, [p̚ t̚ k̚] etc. and [pʰ tʰ kʰ] etc. are different phonemes altogether.

<http://www.books.com.tw/exep/prod/booksfile.php?item=0010212494>

é€•æ°£è^‡ä. •é€•æ°£

ä, € ê -å-, é Ž è ± æ - † ç š,, ä⁰⁰ é f^{1/2} æ † % è ©² ç Ÿ ¥ é • è † è^a ž ä, - ç š,, ä, % å æ ‹ ç,, i è •² é - % è ž - é Ÿ³ i^{1/4} ĉ † è £, é Ÿ³ i^{1/4} % / p i^{1/4} £ / t i^{1/4} £ è ĉ †

/k/ă,æœ%ă...©ç'®ç™¼éÿ³ăĕ,ă!,æžœăœ"ă—é!—æ~—éÿ³ç~ĕĕ!—i¼ĕă®făĕ'æ~éĕ•æ°ĕi¼^aspiratedi
¼%œéÿ³i¼ĕăœ"/s/ă¼ĕă%ăă,•éĕ•æ°ĕi¼^unaspiratedi¼%ăĕ,ă%œĕĕ...è~ăœ<è³žçš,,ăĕžă,,†ăĕ•ăĕ•ă
ĕžă,,šăĕ•ăĕ•ăĕžă,,žăĕ•ă•ĕi¼ĕă¼ĕœĕ...ç>,ç•ĕĕ—¼ăĕžă,,...ăĕ•ăĕ•ăĕžă,,%ăĕ•ăĕ•ăĕžă,,•ăĕ•i¼^è"»2
i¼%ă¼ăă!,i¼šèç!æ~"è¼f"pie"è~†"spy"i¼ĕ"tie"
è~†"sty"i¼ĕ"key"è~†"ski"ăĕ,ç,°ă»ĕé°¼éĕ™ă, %ăăĕĕ<—%œž—i¼•ç^†èĕ,éÿ³æœfæœ%ăă,•ă•ĕçš,,ç™¼é
ÿ³ă•çi¼Ÿē—œé•ăă±ăœ"/s/éĕ™ăĕ<æ'©æ"jéÿ³ă,šăĕ,æ%œĕè~,,ăĕžă—%œž—ăĕ•æĕĕçš,,æ~æ°ĕăăăă
®ĕă...`èç«é~»ç®™i¼ĕăœ%œĕè~,,ăĕžăç^†èĕ,ăĕ•æĕĕçš,,æ~æ°ĕăă—é~»ç®™ă¼ĕă¼•çf^ăœ°æ"¼éĕ•ă
†°ă¼†i¼^éĕ•æ°ĕi¼%œi¼ĕă¼†æ~ă!,æžœăă...^ăĕžă¼•ă°†æ°ĕăă•i¼săĕ,i¼%œœ°ĕă±ă,•èĕi¼ĕĕè!•ç^
†èĕ,è†ăç,,ĕă¹Ÿă°±ă²ă»ĕé°¼ăœ°ĕă†i¼^ă,•éĕ•æ°ĕi¼%ăăĕ,
éĕ•æ°ĕi¼^aspiratedi¼%ăă,•éĕ•æ°ĕi¼^unaspiratedi¼%ăă

p pie sp spy

t tie st sty

k key sk ski

ăĕ¼ă¼—ă,ĕă•çš,,æ~é™ăă°†éĕ•æ°ĕăăă,•éĕ•æ°ĕă¹ăă—i¼ĕĕ<±è³žçš,,é—%œž—éÿ³ă...ĕă~jé,,æœ
%œç~—ă, %œç'®ç™¼éÿ³i¼ĕăœăžéÿ³ă-ă,šç~±ă¹<ç,°ăĕžă,•é™ăé~»ăĕ•i¼^unreleasedi¼%ăĕ,ă...ĕç™¼é
ÿ³æ—¹ă¼•ç°jă—®çš,,è~>ă°±æ~ă•ăè!•ă•ăă†°ă~ăž<i¼ĕăššæ°ĕăăăăă-ă¼•ă°±èjĕă°†i¼ĕă,•éœĕè!•
çœŸæ-ĕăššéÿ³ç™¼ă¼†°ă¼†ăĕ,éĕ™ăæ°ĕçš,,p/i¼ĕ/t/i¼ĕ/k/è~†ă°è³žçš,,ăĕžă•ăĕ•ăĕžă,făĕ•ăĕ•
ăĕžă...ăĕ•ă, %ăăĕĕă—çš,,ă°¼éÿ³ç>,ă•ĕăĕ,ăœ~è<±è³žèĕjéĕ™ç'®ç™¼éÿ³æ—¹ă¼•çš,,é—%œž—éÿ³éĕ
šă,,æ~ă†°ç>¼ăœ~ă!ă,ĕăĕĕ<—%œž—éÿ³ă¹ăă%œi¼ĕă¼ăă!,"doctor"ç•†çš,,/k/i¼ĕ"accept"èĕiçš,,p/i¼ĕ
æ~ăf•"I hate police."ă,-çš,,t/ăĕ,
è~»2i¼šăœ<è³žçš,,éĕ™ăă...-ăĕ<éÿ³ă...`éf½æ~ç,,jè²i¼ĕĕĕĕă,"æ~ăĕžă...-ăĕ•ăĕăă,•ă•ĕçš,,ă-éÿ³ă
ĕ,éĕ™ăè~†éÿ³æ—†çš,,ăĕžă, %ăăĕ•ăĕăă-éÿ³i¼ĕă...-ăĕ<ç™¼éÿ³ă,•ă•ĕăă,i¼^ă°ăœ<éÿ³æœ%œè~èĕĕç
š,,è®ĕĕĕ...i¼ĕăă-ă•fèĕfè'ĕăăĕă¼ăœ%œĕè—ăĕšă¼ăœăžéÿ³éÿ³ăă-ăĕăă—†ă²ă²ă†°ç>%œç®¼i¼%œ

<http://210.240.39.4/learn/learn/ăœ<ă°•è<±è³žçš,,ç™¼éÿ³æ•™ă- i¼šăœ~è³ăè~†èšĕăăă.μ.doc>

ă»¥è<±è³žç>œ~•è³žçš,,è<±è³žă°šă,"æ•œăă!,æ~i¼ĕă»¥è<±è³žç>ç~—ă°ĕăœăžè`ĕçš,,è<±è³žă°±ă>ăš
éĕĕçĕĕœă°†ăĕ,è²ă¼ă<è³çš,,è<±è³žç>±æ~¼ăè²ă,-çš,,ăăšĕ†ăœ¹šă...¥ă°ç•ĕi¼ĕăæ~ăĕ'æ†%ăă,•è†æ—¼ă
ăăăé™ĕç"Ÿi¼ĕăă...ĕç,,jè²ă-éÿ³p, t, k,
ăœ~ă—é!—ă,•éĕ•æ°ĕi¼ĕăæ~ç,°ç%œ¹ă¼ăă¹ăă,ĕi¼ĕăăæ-ăăăăĕ'ç†Ÿæ,%œçš,,tie
[thay]i¼ĕăè²ă¼ă<è³è<±è³žă",æ~ăĕ"tayăĕi¼ĕă¼ăèç'æ~¼ăăœ<è³žçš,,[ă,,%ăă,,ž]i¼ĕă¹•è•½ă¹ăă<æ~ăĕ
'æœfèăăă»¥ç,°æ~[day](ăf•ç¼ăžè³žçš,,die)i¼ĕă>ç,°ăœ<è³žçš,,[ă,,%œ]æ-ĕæ~ç,,jè²ă,•éĕ•æ°ĕçš,,ă-éÿ³
i¼ĕăĕĕĕăœ<è³žă,†ă²ăœœ%œœœ%œè²ăjžéÿ³[d]ăĕ,

Tim