English sounds

John Goldsmith

September 27, 2011

John Goldsmith ()

E ▶ ◀ ≣ ▶ ≣ ∽ ↔ September 27, 2011 1 / 10

イロン イロン イヨン イヨン

| Short vowels | | | Long vowels | | |
|--------------|---|-----|-------------|---|------|
| pit | i | [I] | by | ī | [aj] |
| pet | ĕ | [٤] | Pete | ē | [ij] |
| pat | ă | [æ] | pate | ā | [ej] |

★ロト ★課 と ★注 と ★注 と 一注

| Short | vowe | ls | Long vowels | | | |
|------------------------------|-------------------|--------------------------|-----------------------|---------------|----------------------|--|
| put putt bought pot | ŏо ŭ ô ŏ | [ʊ] [ʌ] [ɔ] [a] | boot bound boat | ōo ou ō | [uw] [æw] [ow] | |

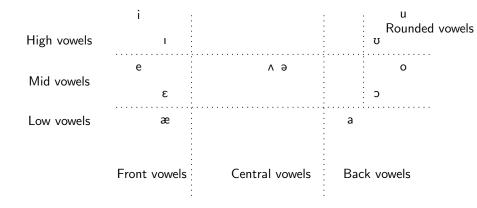
★ロト ★課 と ★注 と ★注 と 一注

| | English vowels | | | | | |
|------------------------------------|----------------|------|-------|---------|-------|--|
| American | h—d | h— | b—d | h—t | k—d | |
| ij | heed | he | bead | heat | keyed | |
| I | hid | | bid | hit | kid | |
| ej | hayed | hay | bayed | hate | Cade | |
| З | head | | bed | | | |
| æ | had | | bad | hat | cad | |
| а | hod | ha! | bod | hot | cod | |
| С | hawed | haw | bawd | haughty | cawed | |
| υ | hood | | | | could | |
| ow | hoed | hoe | abode | Hoat | code | |
| uw | who'd | who | booed | hoot | cooed | |
| ۸ | Hudd | | bud | hut | cud | |
| 3r | herd | her | bird | hurt | curd | |
| aj | hide | high | bide | height | | |
| æw | | how | bowed | | cowed | |
| сj | | ahoy | Boyd | Hoyt | | |
| u** | | here | beard | | | |
| eរ** | | hair | bared | | cared | |
| ju | hued | hue | | | cued | |
| From Ladefored, but modified a bit | | | | | | |

From Ladefoged, but modified a bit

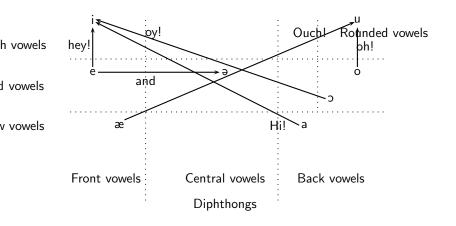
・ロト ・回ト ・ヨト ・ヨト

English vowel space

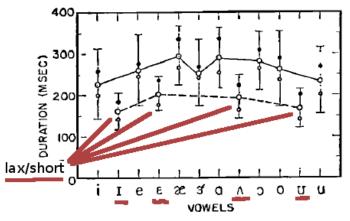


・ロト ・回ト ・ヨト ・ヨ

Diphthongs: motion in vowel space

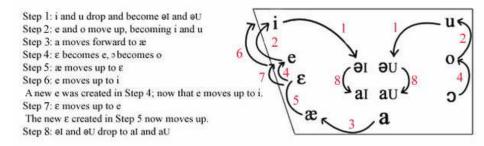


・ロン ・回 と ・ ヨン・



Arthur House (1960) On vowel duration in English (*JASA*). The large unfilled circles are means for each vowel in 14 contexts spoken by 3 subjectgs. The upper terminus of each vertical bar shows the average vowel duration in voiced contexts; the lower terminus is for voiceless contexts. The filled circle on each vertical bar shows the average vowel duration in frcative environments; the small unfilled circle is for stop environments. Lower line is lax vowels, the solid is the others.

The Great Vowel Shift (GVS)



From facweb.furman.edu/ mmenzer/gvs/what.htm

| 1300 | 1400 | | 1500 | 1600 | 1700 | 1800 | present |
|--------|------------|----|------|------|------|------------|---------|
| driven | i: | ıi | ei | εi | ۸i | ai | |
| house | u: | ΰW | ow | зw | ΛW | aw | |
| feet | e: | | i: | | | | |
| fool | o: | | u: | | | | |
| beat | ε: | | | | e: | i: | |
| foal | с : | | | | o: | | əu |
| take | a: | | æ: | ε: | e: | ei | |
| sail | ai | | æi | εί | e: | ei | |
| law | aw | | bw | ם: | | э : | |

This nice graphic based on material from Raymond Hickey, at www-uni-due.de, on Studying The History of English.

イロン イロン イヨン イヨン

Northern Cities Vowel Shift

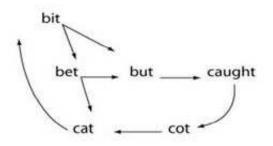


The region of the NCVS

イロン イロン イヨン イヨン

3

Northern Cities Vowel Shift



э

・ロト ・回ト ・ヨト ・ヨト