Phonetics and phonology: 2. Prosody (revision) Part II: Intonation (cont'd)

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### 1. Tones in monosyllabic utterances (cont'd)

Utterance: a continuous piece of speech beginning and ending with a clear pause

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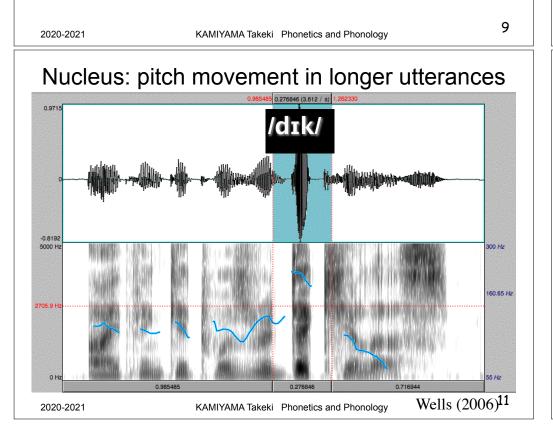
<ul> <li>Mark the tone used in the recording.</li> </ul>	
Hello, is that 661071?	,yes
Do you know any scientists?	some
Keep away from that road!	why
How many dogs have you got?	,two
Have you ever heard such a terrible thing?	no
What colour is your car?	red
Do you want my plate?	,please
Don't you like it?	yes
You haven't seen my watch, have you?	,no
What was the weather like?	wet

#### 1 KAMIYAMA Takeki Phonetics and Phonology Exercise Exercise • Mark the tone used in the recording. 1. ..... ves 2. . . . . . some 3. ..... why 4. . . . . . . two 5. ..... no 6. . . . . . . red 7. ..... please 8. ..... yes 9. . . . . . no 10. ..... wet Roach (1991) 3 Roach (1991) 4 KAMIYAMA Takeki Phonetics and Phonology KAMIYAMA Takeki Phonetics and Phonology

3. Structure of longer utterances		Components • Tones: rise, fall, fall-rise, rise-fall, level • Tonicity: placement of the nucleus (nuclear tone) • Tonality: how to segment into intonation phrases?
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<ul> <li>Nucleus and intonation phrase</li> <li>Not all syllables bear a tone.</li> <li>Only nucleus (tonic syllable) bears a nuclear tone.</li> <li>There is a nucleus in each intonation phrase (tone unit).</li> </ul>		3.1. Structure of intonation phrase
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## Nucleus

- The nucleus is an obligatory component.
- It indicates the end of the focused part of the intonation phrase.
- The pitch change or pitch movement for the nuclear tone (fall, rise, etc.) begins.



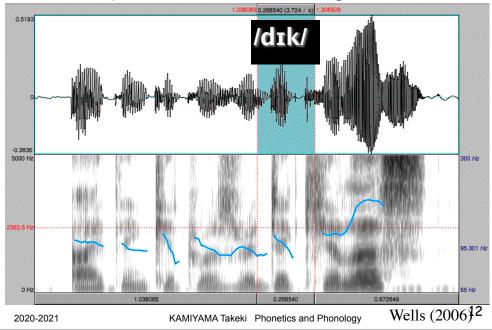
# Nucleus

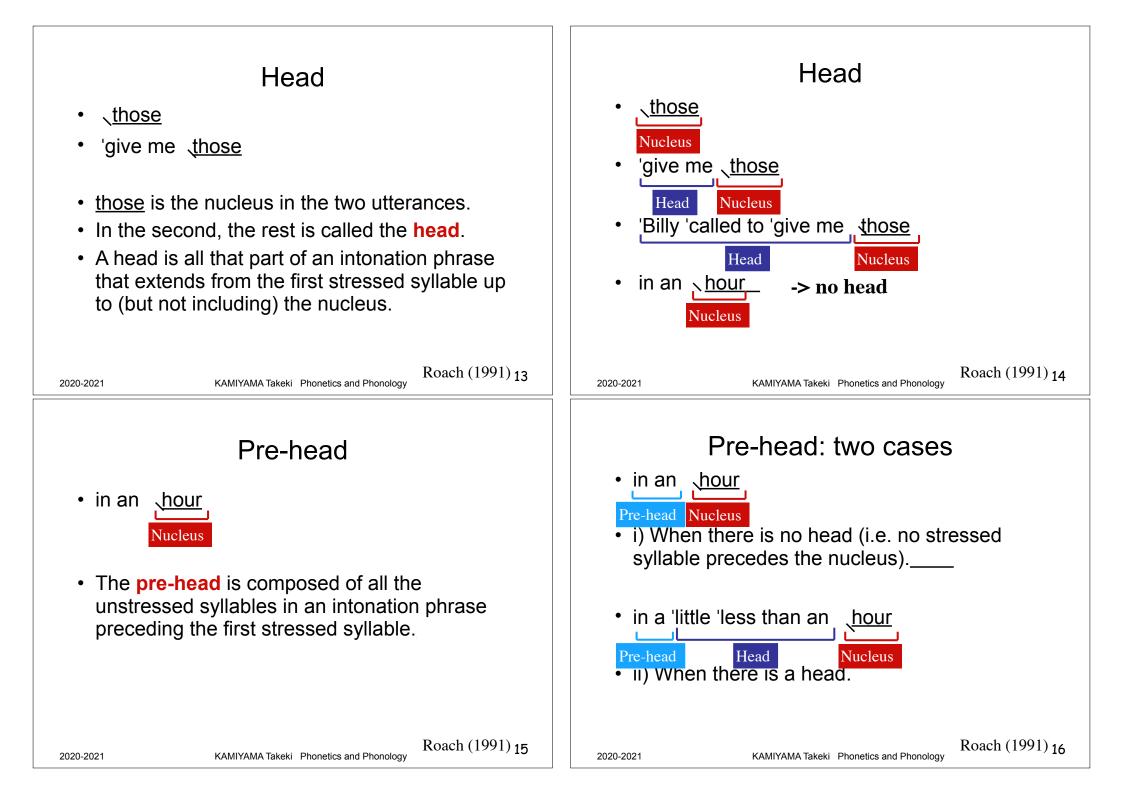
- In monosyllabic utterances, the only syllable (*yes*, *no*) is the nucleus.
- Fall: <u>yes</u> <u>no</u>
- Rise: <u>yes</u> <u>no</u>
- Fall-rise: <u>ves</u> <u>vno</u>
- Rise-fall: <u>ves</u> <u>no</u>
- Level: <u>yes</u> <u>no</u>

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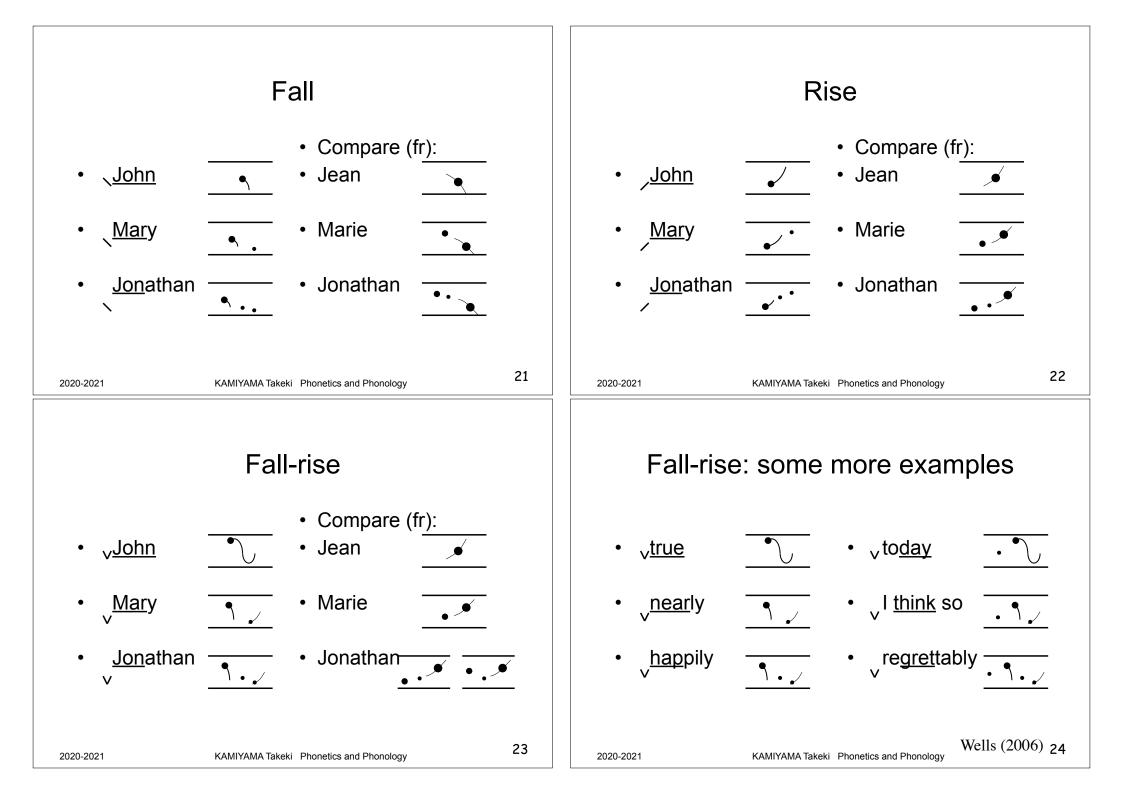
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## Nucleus: pitch movement in longer utterances

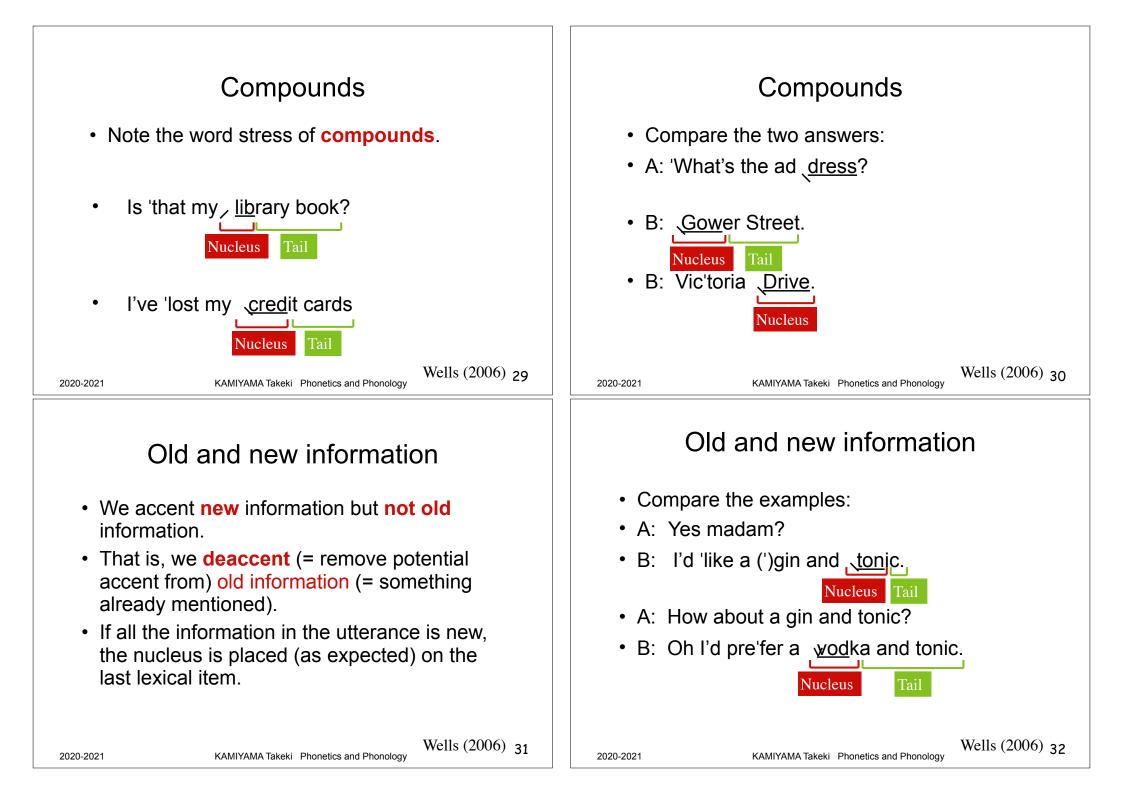


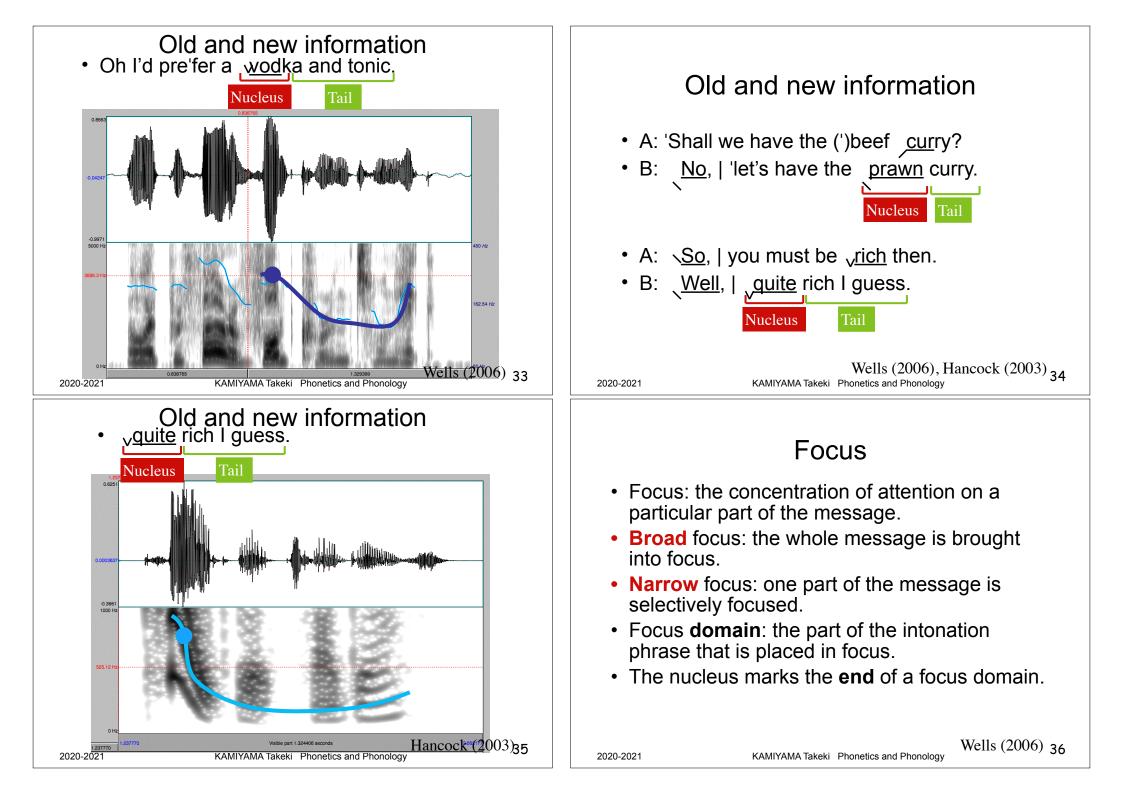


<ul> <li>Tail</li> <li><u>look at it</u></li> <li><u>Nucleus Tail</u></li> <li>It often happens that some syllables follow the nucleus.</li> <li>Any syllables between the nucleus and the end of the intonation phrase are called the tail.</li> </ul>	Structure of intonation phrase: summary (Pre-head) (Head) Nucleus (Tail) • (prehead) (head) nucleus (tail)
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Structure of intonation phrase: summary (Pre-head) (Head) Nucleus (Tail)  Identify and locate the components: It was re'markably good Pre-head Head Nucleus  We're 'planning to 'fly to <u>Italy</u>	3.2. Pitch patterns in nucleus and tail
Pre-headHeadNucleusTail2020-2021KAMIYAMA TakekiPhonetics and PhonologyWells (2006) 19	2020-2021 KAMIYAMA Takeki Phonetics and Phonology 20



4. 'Tonicity': where does the nucleus go?	<ul> <li>The last content word</li> <li>Basically, the stressed syllable of the last content word in the intonation phrase</li> <li>It was re'markably good Nucleus</li> <li>We're 'planning to 'fly to <u>Italy</u> Tail</li> </ul>
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<ul> <li>Reminder: function words and content words</li> <li>Function words (grammatical words): pronouns, articles, auxiliary verbs, modal verbs, prepositions, conjunctions, some adverbs.</li> <li>Closed class words (the number is limited; basically, you cannot invent new function words)</li> <li>Content words (lexical words): nouns, adjectives, most verbs, most adverbs).</li> <li>Open class words (not possible to know the exact number of nouns in a language, for example. New words may be readily formed)</li> </ul>	<ul> <li>The last content word</li> <li>Basically, the stressed syllable of the last content word in the intonation phrase.</li> <li>I re'ceived a letter from him luce</li> <li>I re'ceived a letter from him</li> <li>I re'ceived a letter from him</li> </ul>
cf. Some content words may become function words in language change ("go": movement, future or intention "be going to")	Nucleus Tail
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<ul> <li>Focus</li> <li>Broad focus: the nucleus goes on the last lexical item: .</li> <li>A: 'What happened?</li> <li>B: Se'lena's had a heart attack.</li> <li>Narrow focus: the nucleus shows the end of the focus domain.</li> <li>A: 'Who brought the wine?</li> <li>B: Mary brought the wine.</li> </ul>	<ul> <li>Contrastive focus</li> <li>A particular kind of narrow focus is contrastive focus.</li> <li>The nuclear accent draws attention to a contrast the speaker is making.</li> <li>A: We 'bought it before <u>Christ</u>mas.</li> <li>B: 'Not bev<u>fore</u> Christmas, <u>Safter</u> Christmas.</li> </ul>
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<ul> <li>Focus</li> <li>The place of the nucleus varies depending on the pragmatic context (= what is focused).</li> <li>She was trying to lose 'weight. (broad focus, neutral; or not lose money)</li> <li>She was trying to 'lose weight. (not gain weight)</li> <li>She was 'trying to lose weight. (though without much success)</li> <li>She 'was trying to lose weight. (despite what you say; or but she isn't now)</li> <li>'She was trying to lose weight. (though others may not have been)</li> </ul>	<ul> <li>Intonation: summary</li> <li>Tones: fall, rise, fall-rise, rise-fall, level</li> <li>The nucleus bears a tone.</li> <li>The pitch changes start on the nucleus; rise and fall-rise extends to the end of the intonation phrase.</li> <li>Placement of the nucleus: basically, the stressed syllable of the last content word. It may vary depending on the focus (and other elements).</li> </ul>