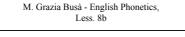
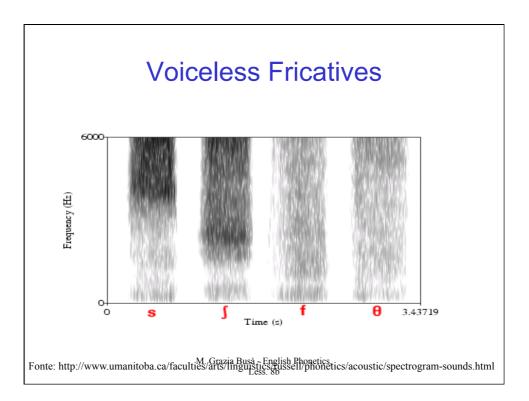
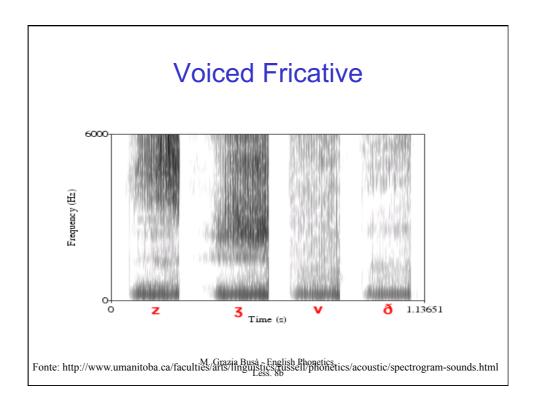
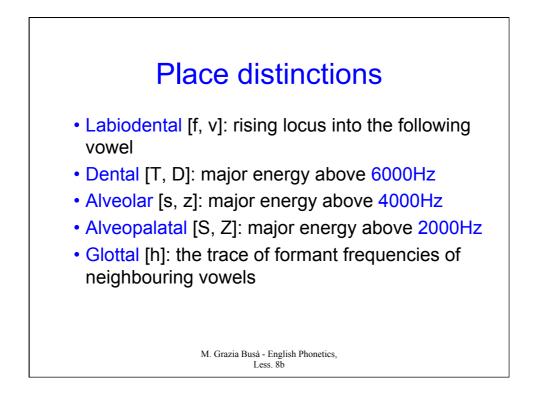


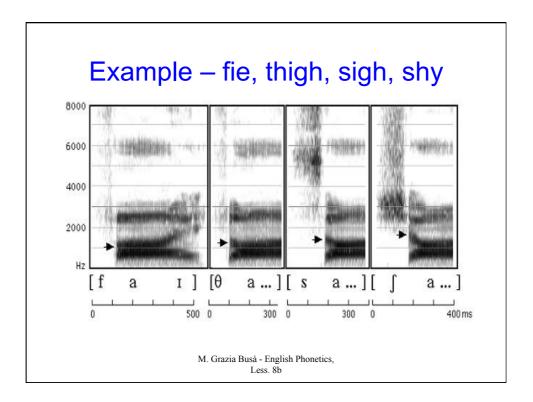
- distinguish on a spectrogram, as they can be extremely weak acoustically
- If detectable, they are characterized by areas of white noise that are lower than those of alveolar or palatal fricatives

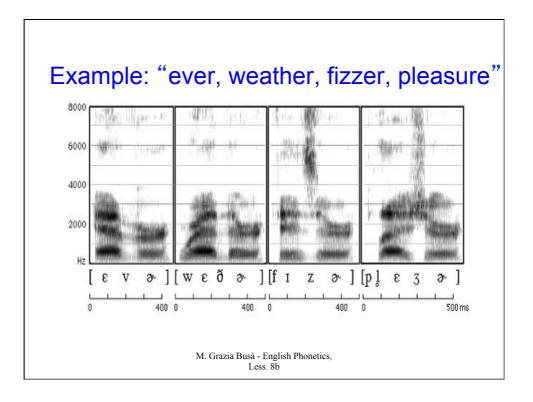




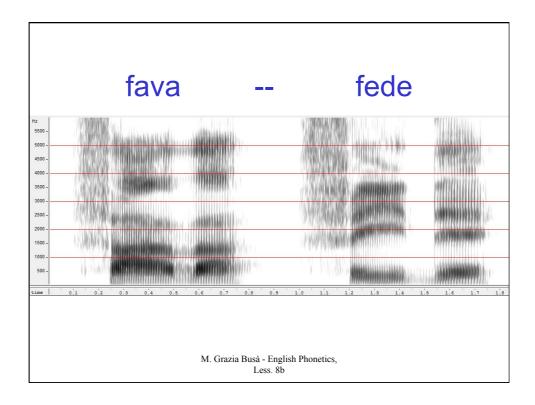


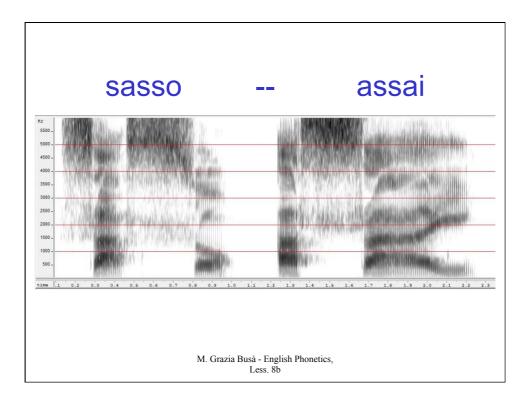


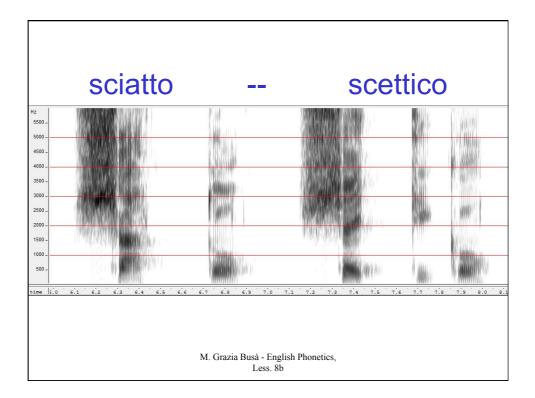


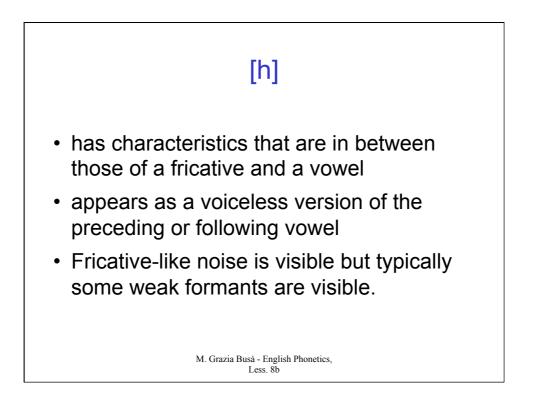


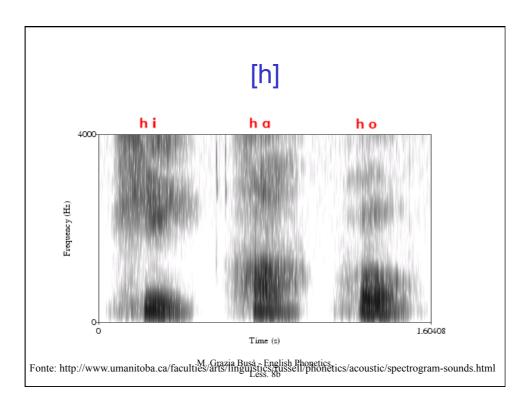
6

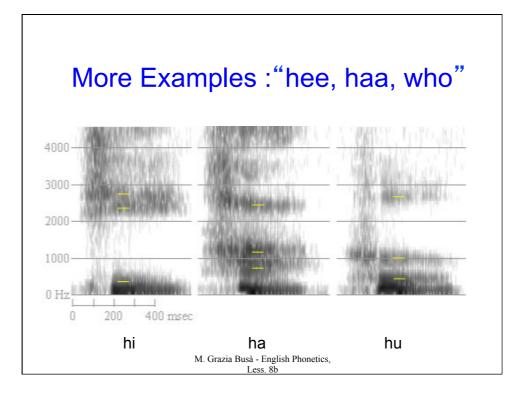






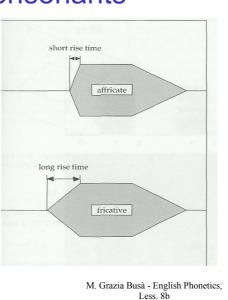


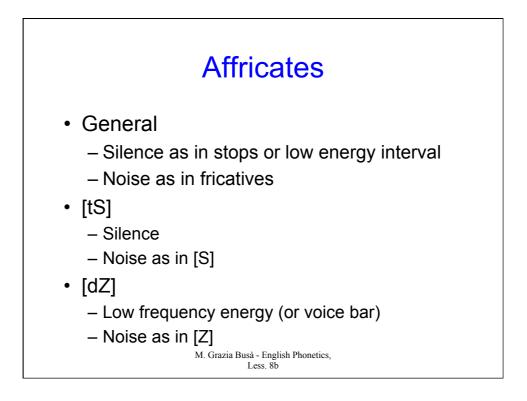


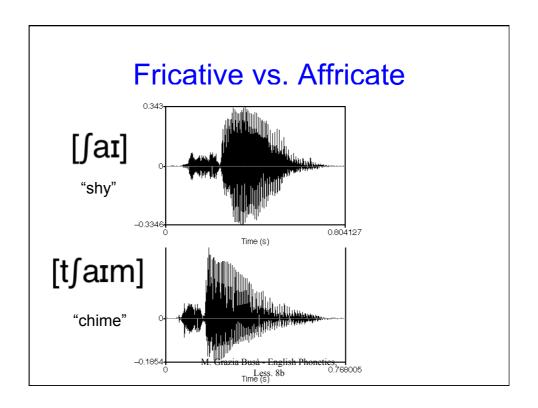


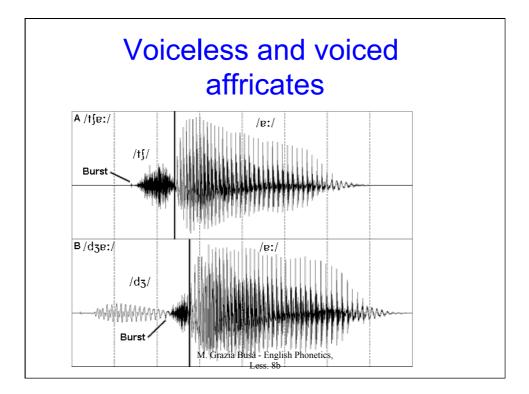
## Affricate Consonants

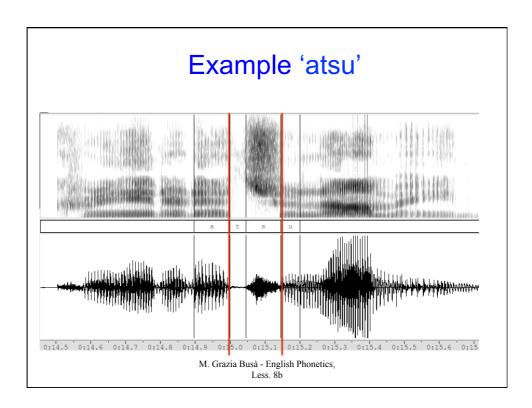
- Are transcribed as stopfricative sequences
- Acoustically, amplitude rises faster in affricates than in plain fricatives
  - "rise time"
- In the world languages affricates with sibilants are more frequent than other affricates

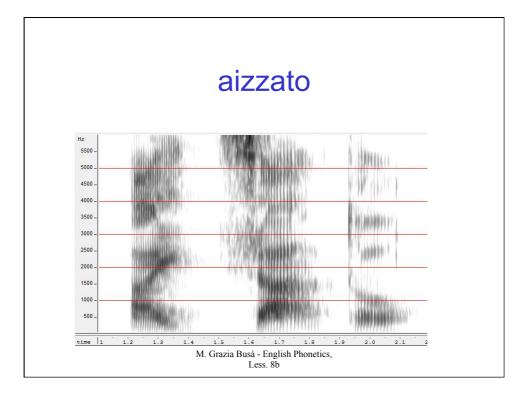


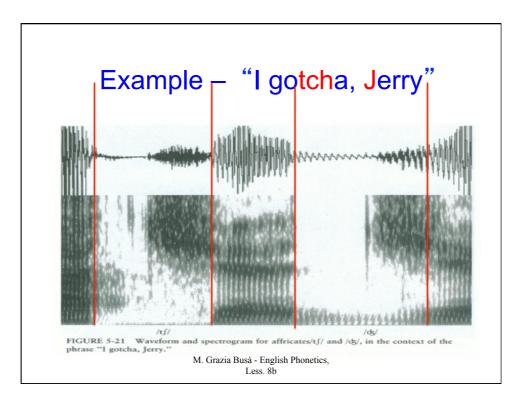


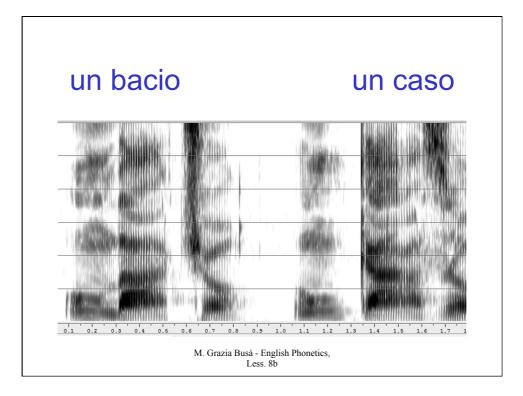








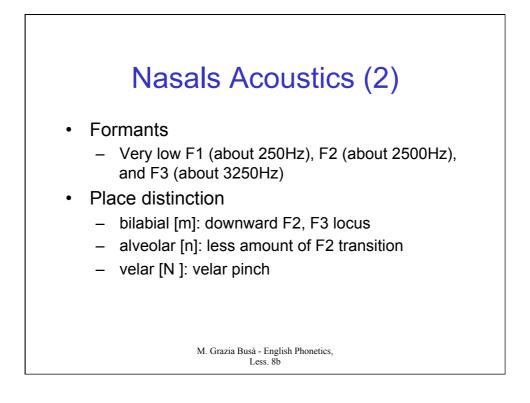


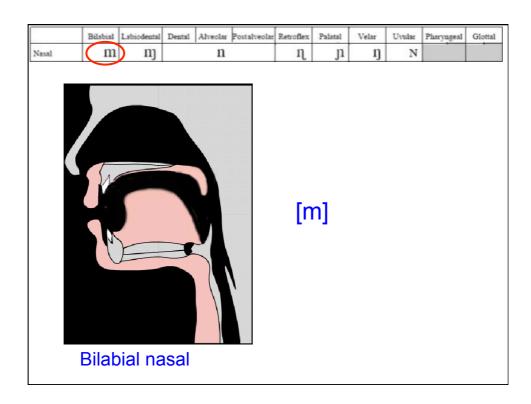


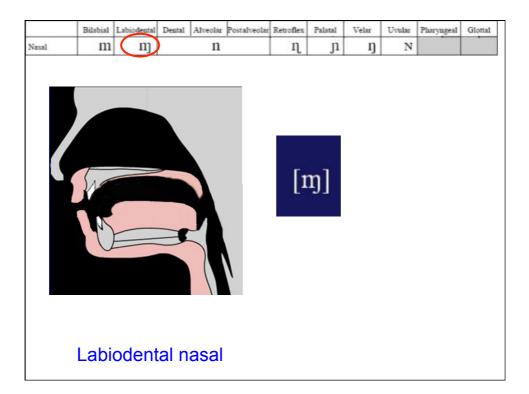
## **Nasal Acoustics**

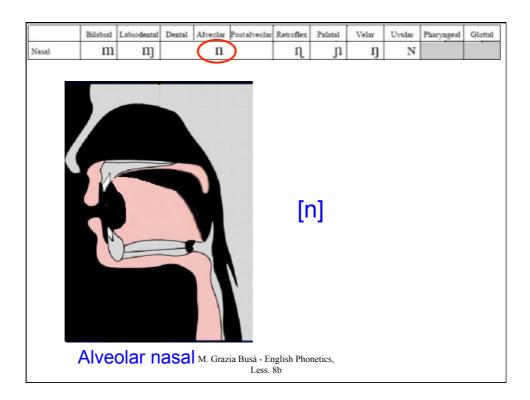
- General
  - Periodic voicing
  - Overall amplitude lower than in vowels.
  - Formants similar to vowels but fainter
  - Formants have broad "bandwidths".
  - Relatively rapid formant transitions

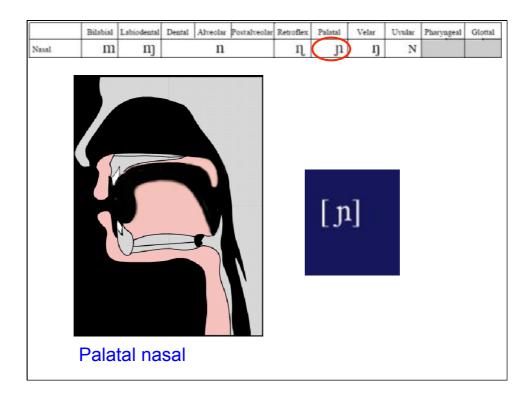
M. Grazia Busà - English Phonetics, Less. 8b

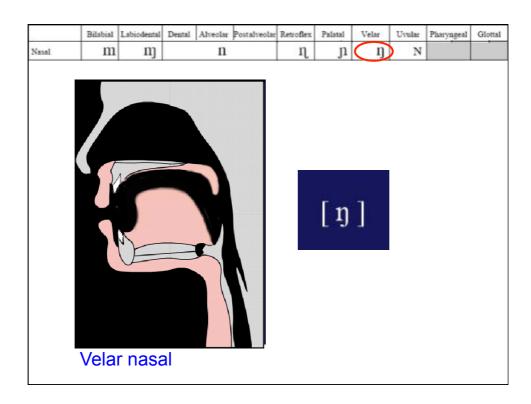


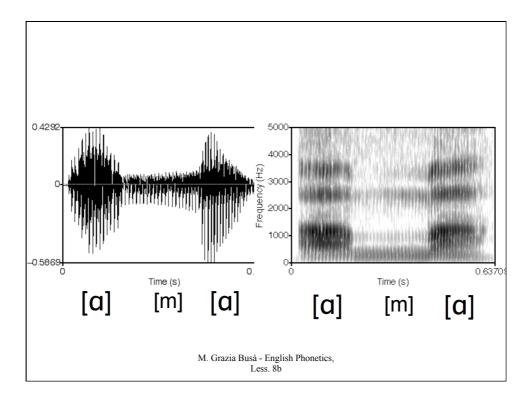












27/10/18

