VOICE-QUALITY CONTRASTS

This demo includes the following languages:

- 1. Gujarati
- 2. Jalapa Mazatec

Related demos:

Mpi (tone language with voice quality differences)

Xoo (language with multiple contrasting voice qualities

Laryngealization

Laver: Laryngeal settings

1. Gujarati (from SoWL)

Gujarati contrasts normally voiced vowels with breathy-voiced vowels. Interestingly, it also has voiced-aspirated consonants. The breathy-voiced vowels apparently developed historically from loss of an intersyllabic h (see Ladefoged, Vowels and Consonants, p.126).

Gujarati

Speaker 1			Speaker 2		
Voiced <u>Vowel</u>	Breathy <u>Vowel</u>	Voiced Aspirated <u>Stop</u>	Voiced <u>Vowel</u>	Breathy <u>Vowel</u>	Voiced Aspirated Stop
bar ▶ "twelve"	bar ▶ "outside"	b ⁶ ar ▶ "burden"	bar ▶ "twelve"	bar ▶ "outside"	b ⁶ ar ▶ "burden"
por □ "last year"	p⊋r ▶ "dawn"				
kan ▶ "ear"	kan ▶ "Krishna"				
mel	mɛ̯l		mel	mɛ̯l	

• "dirt"

▶ "palace"

• "dirt"

▶ "palace"

2. Jalapa Mazatec (from SoWL)

In addition to normal voicing, it has both creaky and breathy voice. See Ladefoged, Vowels and Consonants, p. 127-130.



Voiced	Creaky Voiced	Breathy Voiced	
t ^h a	ndæ	ndæ	
■ "seed"	• "buttocks"	• "horse"	