



Theories of Intonation

- Pike: First to propose the modern phonological hierarchy in a theoretical context; initial pioneer of intonational studies - Intonemes
- Cruttendon & British School: Potentially infinite contours
- Bolinger: Began principled limitations on patterns
- Liberman & Pierrehumbert: pioneering formalization and phonetic analysis
- ToBI: Serious issues to confront

Theories of the Intonation Syntax Interface

- Bresnan, Selkirk, inter alia (continuing the program of syntactocentrism).
- Information Structure & intonation
 - Intonation is read off of phonological constituents, not morphosyntactic constituents.

Recovery & Planning: Breen, Watson, and Gibson 2010

- The best model for the data included two factors predicting the size of the acoustic measure / the likelihood of a ToBI boundary:
- (1) recovery: the size of the largest mostrecently completed semantically-related constituent up to two phonological phrases; and
- (2) *planning*: the length of the largest upcoming constituent which was not an argument of the most-recently processed head up to two phonological phrases.



The first texts I transcribed, learn to recite Pirahas I wasn't terribly stupid were processed without knowing what they meant – just general subject matter.

- (1) Mhi?? owagali Poagalihhi hia baathhia bissoaa// (2) Pohi hia baai hia bissoai hiaiciihi ?? i (3) Paiya saa gabagaa/kagailai hua Pai
- sigial/hialcilli (Pala sabá siikko
- (5) baí ??aò ??aò Pohíí hia baí hiabaha/hí??ad/šííkko
- (6) hì?? aohus hia ba Poraiya sihhlabai hla bai siikka

?ípò dos ill aitacilil aitacili powel powei is/kahaiboe ?ibol hue //ibolihue gaobaha Pai / kahaibo kahaiboboogiaa gahua gaha taio kahai bobogiaii tai sitai/kahai iowe 3 sitai Maothut sltabai? i st ta baasi tagai gaboweh

Pike's 'skewing' of hierarchies Steedman, others

- Reading vs. natural
- Psychological vs. linguistic distributional analysis
- Willie Humboldt says: connected discourse

- Quotative
- [Ma' co mao na –in_i Guajará;]
- that:prox:hearer m/f:rp/p 3s:rp/p -3nGuajará
- Na_j -nam_k 'oro narima_k' taramaxicon_j.
 3s:rp/p -3pf collective woman chief



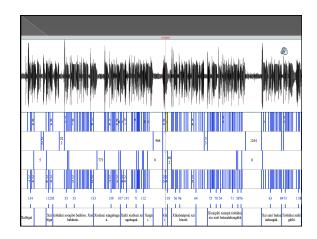


a. HUM SPEECH: Disguise, Privacy, Intimacy, Talk when mouth is full, Child language acquisition b. YELL SPEECH: Long distance, Rainy days, Most frequent use – between huts & across river c. MUSICAL SPEECH: ('big jaw') New information, Spiritual communication, Dancing, flirtation d. WHISTLE SPEECH: (sour or 'pucker' mouth' Hunting, – same root as 'to kiss' or shape of mouth Men-only (as in ALL whistle after eating lemon))

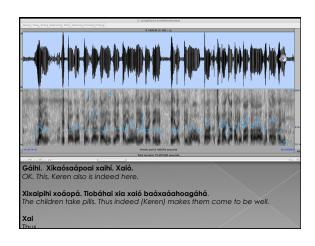


Functionality Constraint It pial ~ kí pial ~ kí kial ~ pí pial ~ /i pial ~ /i /ial ~ tí pial, etc. (*tí tial, * gí jial, *bí bíal) 'me too' /apapaí ~ kapapaí ~ papapaí ~ /a/a/aí ~kakakaí ~(*tapapaí, * tatataí, * bababaí, * gagagaí) 'head' /isilhoái ~ kísilhoái ~ písilhoái ~píhilhoái ~kíhilhoái ~ (alternations with /t/s Constraint on functional load and necessary contrast (Everett (1985)): a. Greater Dependence on the Channel → Greater Contrast Required b. Lesser Dependence on the Channel → Less Constrast Required





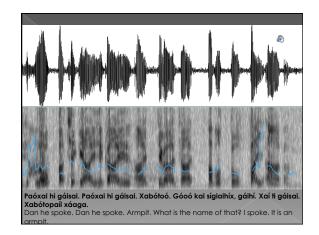




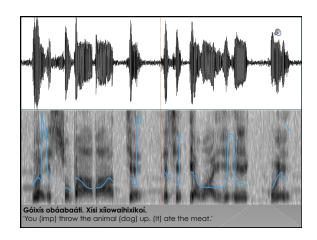




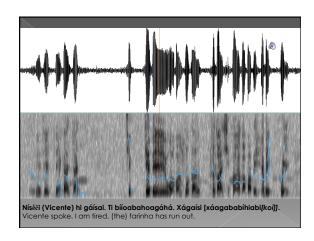


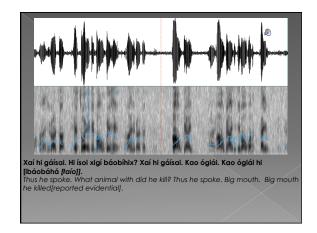


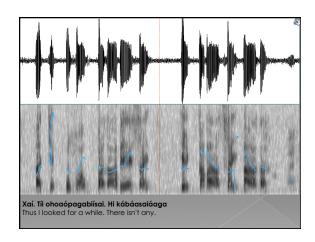
Action - Justification



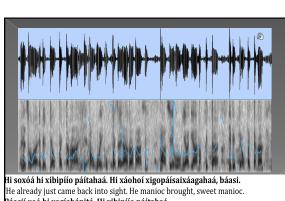
Quotative + Result & Reason (with narrow morphological emphasis)







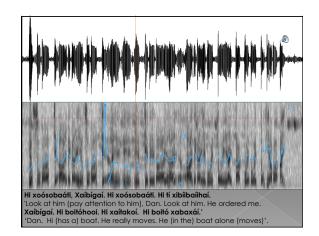
Note the Rising intonation across sentence



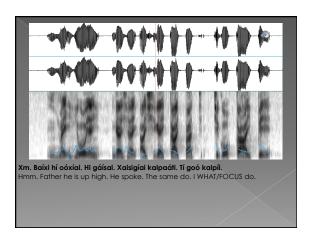
Báasií xoó hi xagíahápitá. Hi xibipíío páítahaá. Sweet manioc from the jungle he brought. Hi came back into sight.

Sequence of sentences with rising intonation (no auestion)

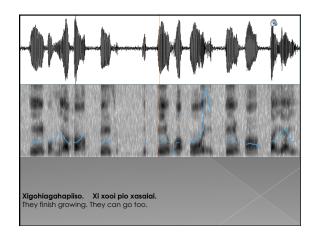
This sequence includes a command clause.

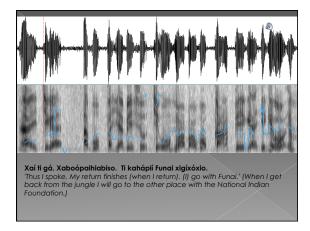


"Relative Clause" (restricted reference)

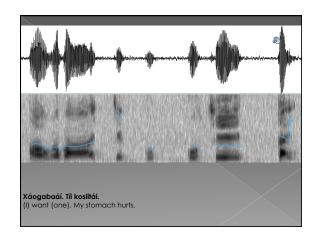


Temporal Clause









TOBI & RaP issues "First, several lines of evidence suggest that listeners hear more or fewer perceptual categories than ToBI models." (BDKG, 8) "A second, related drawback of ToBI is its lack of a consistent, transparent mapping between labeling distinctions and phonetic and/or perceptual events." (BDKG, 8) Rhythm and Pitch (RaP; Dilley & Brown 2005) — Same issues Lieberman (1965; 1985) Breen, Dilley, Kraemer, Gibson (2010) Breen, Gibson, Watson (2010)

Conclusion:

- Non-perspicuity:
 - > IP can be a word, a phrase, a sentence, a paragraph.
- Each language as a unique case?