

Stress Homework

from Iggy Roca and Wyn Johnson (1999) *A Workbook in Phonology*. Blackwell.

A.

Consider the following data in Pintupi.

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|----|----------------------|---------------------------------------|
| 1. | pána | 'earth' |
| 2. | tʰúɬaya | 'many' |
| 3. | máɭawàna | 'through from behind' |
| 4. | púɭiŋkàlatʰu | 'we (sat) on the hill' |
| 5. | tʰámulùmpatʰùŋku | 'our relation' |
| 6. | ɬíɭiriŋulàmpatʰu | 'the fire for our benefit flared up' |
| 7. | kúranʰùlùmpatʰùɾa | 'the first one (who is) our relation' |
| 8. | yúmaɾiŋkamàratʰùɾaka | 'because of mother-in-law' |

Which settings for the parameters of foot head location, construction direction, extrametricality, and word headedness yield the correct stress for Pintupi?

B.

The data here show the placement of tonal accent (=main stress) in "simplex words" in Creek. (Note: /c/ represents a phoneme which is variably pronounced [ts] or [č].)

1. Consider the following data, and work out a first approximation of the stress rule for Creek.

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|----|---------|------------|-----|---------------|---------------------|
| 1. | ifá | 'dog' | 6. | apataká | 'pancake' |
| 2. | cokó | 'house' | 7. | amapatáka | 'my pancake' |
| 3. | amífa | 'my dog' | 8. | anokicíta | 'to love' |
| 4. | ifóci | 'puppy' | 9. | amanokicitá | 'to love mine' |
| 5. | amifocí | 'my puppy' | 10. | itiwanayipíta | 'to tie each other' |

2. Can the following be accounted for by the stress rule you developed in (1)? If not, how must it be altered?

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|----|---------|----------|----|------------|----------------|
| 1. | cá:lo | 'trout' | 4. | kofócka | 'mint' |
| 2. | ícki | 'mother' | 5. | famí:ca | 'cantaloupe' |
| 3. | pocóswa | 'axe' | 6. | alakkóycka | 'appreciation' |

3. Show how your stress rule accounts for the stress patterns of the following words.

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|----|------------|------------------------|----|----------------|-----------------------|
| 1. | aktopá | 'bridge' | 5. | iŋkosapítá | 'one to implore' |
| 2. | ta:skítá | 'to jump (sg. subj.)' | 6. | nafkitika:yítá | 'to hit (pl. obj.)' |
| 3. | wa:kocí | 'calf' | 7. | tokoɬhokíta | 'to run (dual subj.)' |
| 4. | atilo:yítá | 'to gather (pl. obj.)' | 8. | alpatóci | 'baby alligator' |

Stress Homework

Pintupi is a Pama-Nyungan (Australian) language spoken (as of 1996) by 390 people in Papunya, Yuendumu and Kintore, Northern Territory, and Balgo Hills, Western Australia.



Creek, also known as Seminole or Muskogee, is an Amerind language of the Muskogean family. It is spoken in east central Oklahoma, southern Alabama, and southern Florida. As of 1997, it had 4300 speakers, only 43 of them monolingual.