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International Journal of American Linguistics, Vol. 42, No. 1. (Jan., 1976), pp. 51-57.

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International Journal of American Linguistics is currently published by The University of Chicago Press.

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THE PHONOLOGY OF TENANGO OTOMI

RICHARD C. BLIGHT AND EUNICE V. PIKE

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- **0.** Introduction
- 1. Consonant contrasts
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- **0.** The phonology of Tenango Otomi¹ includes three contrastive lexical tones,² and a prepause syllable which is the domain of intonation. There are nine oral vowels,

¹ There are more than 7,000 speakers of Tenango Otomi centering around the town of Tenango de Doria, Hidalgo, Mexico. Miguel Plata P., about fifty-five years of age, was the principal informant. He is from a nearby town, San Nicolás. Richard C. Blight is responsible for the grammatical data, the vocabulary, and most of the segmental analysis in this article. Eunice V. Pike analyzed the tone and is responsible for the presentation of the materials.

² For a description of other Otomi languages in which contrastive tone is posited, see Donald E. Sinclair and Kenneth L. Pike, "The Tonemes of Mesquital Otomi," IJAL 14 (1948):91-98; Henrietta Andrews, "Phonemes and Morphophonemes of Temoayan Otomi," IJAL 15 (1949): 213-22; Eunice V. Pike, "Tonemic-Intonemic Correlation in Mazahua (Otomi)," IJAL 17 (1951): 37-41; Joyce Jenkins, "Morphological Phoneme Sequences in Eastern Otomí," Phonetica 2 (1958):1-11; and Ethel E. Wallis, "The Word and the Phonological Hierarchy of Mezquital Otomi," Language 44 (1968):76-90. For Mezquital Otomi, described as having accent rather than tone, see Frances Lyon and Morris Swadesh, "Two Views of Otomi Prosody," IJAL 15 (1949): 100-105; and H. Russell Bernard, "Otomi Tones," Anthropological Linguistics 8, no. 9 (1966):15-19.

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four nasal vowels, and many consonant clusters. The sets of consonant clusters differ in accordance with their distribution in reference to their place in the word: prestress, the stressed syllable, poststress, or at the fusion of stem with a following morpheme.

1. There are eighteen consonants: 3 voiceless fortis stops /p, t, k, 7/, voiced lenis stops /b, d, g/, voiceless spirants /f (bilabial), s, š, x, h/, voiced fricative /z/, voiced nasals /m, n/, flap /r/, and voiced semivowels /w, y/. A voiced lateral /l/ and a voiceless alveopalatal affricate /č/ occur in Spanish loan words: ¹lápi pencil, ¹číbo goat.

The bilabials /p, f, b, m, w/ contrast: dá¹pặdį I knew, dà¹bặdį he will know, dà¹fặdį it will be known, dà¹màdį I loved, dá¹wàhį I plowed, bì¹mpšhə he was saved, bì¹mbškwæ he was angry. The phoneme /f/ also contrasts with /ph/: ¹²ŏphinį giving off heavy smoke, ¹wáfánį driver of oxen.

The alveolars /t, d, s, z, n, r/ and alveopalatals /š, y/contrast: dá tógi Ifell, dà dógi he will fall, dá sògi I jumped, dá šòdi I studied, dà zògi he will jump, dà nòki he will fatten it, dá sògi I was tired; dá sòki I got scraped, rà săbu his soap, ná má I am going, rà mássæ the worm. The phoneme /t/ also contrasts with /th/: těde adopted child, thèbe necklace.

The flap /r/ occurs in a few morphemes

³ For the reconstruction of Proto-Otomi consonants, see Stanley Newman and Robert Weitlaner, "Central Otomian I: Proto-Otomi Reconstructions," *IJAL* 16 (1950):1–19; and Doris Bartholomew, "Some Revisions of Proto-Otomi Consonants," *IJAL* 26 (1960):317–29.

only, but it occurs frequently because of the morphemes r\(\hat{q}\)- the, r\(\frac{q}\)- his, gr\(\frac{q}\)- you are (gr\(\frac{q}\)\'su you are a grandmother), dr\(\frac{q}\)- I am (dr\(\frac{q}\)\'su I am a grandmother). The /r/ also occurs in a few other morphemes, for example: \(^1\)^2 b\(\hat{o}\)rga lizard, \(^1\)\end{e}r\(\hat{e}\) borto button, \(^1\)\[p\)\ardred reddish brown mixture, \(\hat{d}\)\(^1\)^2\[b\)\end{e}r\[p\) it is in vain, \(\hat{b}\)\[^1\]\genoming\(\hat{o}\) br\[p\) it's laying inside.

The velars /k, g, 'x/ and the laryngeals /², h/ contrast: ʔl'kặs²į he carries, bl'gặs²į he carried, bl'xặs²į it was carried away, ʔl'²às²į he was stirring (something), ʔl'hặs²į he carries; màl'ko my brother-in-law, màl'xo my mushroom, dálho I killed, dál²o I was inside. The phoneme /x/ also contrasts with /kh/: ˈmòkha priest, 'tăxa godfather. Glottal stop contrasts with the lack of glottal stop, as in: dìl²bòt²i it is turning around versus dìl²bò²t²i he is turning it around; bìlhyùs²į he placed it on (something) versus bìlhyù²s²į he increased (something).

There is also contrast between the single consonants /s, m, n/ and the clusters /ss, mm, nn/: rà se the stars, rà sasæ the frost; rà mæti the beggar, rá mæti his possession, dí pòni I hoe, dí pònni I ask.

2. The consonant variants are, for the most part, conditioned by their occurrence in relation to the stressed syllable, to $/^{7}$ /, and to other contiguous consonants.

The voiceless fortis stops /p, t, k/ are frequently preaspirated when, as a single consonant, they are initial in a stressed syllable: rå '[hp]àda the buzzard, rå '[ht]ŏme the butterfly, dí '[hk]ót i I lock up. In other environments, they are not preaspirated, except that when following a vowel, they may be preaspirated in slow speech: 'nz pa monkey, 'mphìni cuff of a shirt, rå 'thò 't i the cornhusk, 'míštu milkweed silk, rå 't à bi the shovel, 'šànbáte teacher. When two voiceless stops occur in sequence, there may be voiceless open transition between the two: 'Pòkto cave.

A sequence in which a consonant is followed by a glottal stop is actualized as a voiceless glottalized contoid: bì măp iya he went then, t'afi syrup, s' ye a jar, dí k'iki I pull apart.

A sequence in which glottal stop precedes a voiced lenis stop /b, d/ is frequently actualized as a voiced implosive: dì lpbòti he turns around, rà lpbìda the guitar, rà dède the ladder. (In our data, we have no sequence /g/.)

The voiced lenis stops /b, d, g/ have stop allophones when following nasals: 'mbáre compadre, 'ndo hail, 'ngo fiesta. In other environments, /b, d, g/ vary freely from a lenis stop to a fricative, but the stop is the more frequent: 'Pbórga lizard, rá'dógwa his ankle bone, rá'zàgu his ear, rá'bàya his brain.

When a voiced stop precedes another voiced stop, or /z/, there is voiced open transition between them: |nzì[b³d]e supper, |ší[g²z]ų coward.

The voiceless alveolar and alveopalatal spirants /s, š/ have stop onsets when preceding /?/, unless the /?/, in turn, precedes a voiced continuant: 'hmǐ[ts²]i front teeth, 'zí[tš²]ï little; but 'ʔi'pǽ[s²]yóso they are ashamed, dí'pæ̃[s²]màso I am ashamed.

The voiceless glottal spirant /h/ has numerous allophones. It is a voiceless nasal of the same point of articulation as a following nasal: 'hmǐ face, 'hnǐni town. It is a voiceless bilabial when preceding /w/ ('hwàda box) and voiceless alveopalatal when preceding /y/ ('hyádi sun). When /h/ occurs between a nasal and a vowel, it alternates between a voiceless nasal and a voiceless vocoid of the same quality as the following vocoid: 'nho good, 'nèmhya slanderer. In other environments, /h/ has the quality of a following vowel: 'fŏho stomach, dí'hǎni I buy.

The voiced alveolar nasal /n/ has a velar allophone when preceding /k, g, h, w/ and when preceding the sequences $/^{9}$ w/ or $/^{9}$ /

plus vowel: ^Inkhàpį blessing, ^Ingų house, ^Inho good, ^Inwàdònį garden, ^In²wági a broken bone, n²àj skunk.

When preceding oral vowels, the bilabial nasal /m/ has an allophone with a stop release [m^b], and the alveolar nasal /n/ has [n^d]. These allophones with a stop release contrast with a consonant cluster composed of nasal plus stop, in that the stop phoneme which is a part of a consonant cluster is of longer duration than the stop which is a part of a complex allophone [m^b] or [n^d]: '[m^b]óhi plate versus 'mbòšita great-grandfather versus 'plmpa he goes habitually; nplate your mouth versus nplate in the afternoon.

3. There are nine oral vowels /i, e, æ, a, o, o, u, i, o/ and four nasal vowels /i, æ, a, y/. Of the oral vowels, three are front unrounded: /i/ (high), /e/ (mid), /æ/ (low); three are central-back unrounded: /ï/ (high), /ə/ (mid), /a/ (low); three are back rounded: $\frac{u}{\sinh n}$, $\frac{o}{\sinh n}$, $\frac{o}{\sinh n}$. Examples of the oral vowels in contrast are: 17bíte stinger, 17bèt7e roof, 17bæto grandchild, 17 báfi nest, 17 bšši mucus, 16 osæ a certain tree, buši chicken, bisi rafter, 17bát7e offering; rà 17ye the rain, rà 17yæ the hand, rà 17 ya the infection, rà 17 y 5 ho the nausea, rà pyo the dog, rà pyo the ghost, rà pyï the root; rà so the star, rà su the grandmother, ?ì so it falls: Igóne a dumb person, gáni bumblebee, góni it thunders; bázu old clothes, bàši carrying cloth.

The four nasal vowels are: /i/ (high front unrounded), /æ/ (low front unrounded), /a/ (low central unrounded), and /u/ (high back rounded). Examples of the nasal vowels contrasting with each other and with oral vowels: rà l'yæhæ the servant, rà l'ya the raw (thing) rà l'yu the road, rà l'sífi the straw mat, rà l'sìtha the edible leaf, l'yási scissors, l'yási cornerpost, rà l'su the grandmother, l'su he fears, l'ywæ insect, l'ywæ frog, lya head, lya liver.

In a vowel cluster, each vowel is the nucleus of a syllable. Vowel clusters composed of oral vowels end in /i/, whereas those composed of nasal vowels end in /i/. In our data, there are only eight different clusters, namely: æi, ai, oi, oi, ïi, æí, ai, ųi. Examples: 'hwài lightning, 'xwài knife, 'xìpòi purple, 'hòi dirt, 'fìi hat, n'ài skunk, t'ài corn gruel, 'gùi cloud.

4. There are many consonant clusters in Tenango Otomi, but the distribution is distinctive in that, except for /št/, none of the clusters which occur in syllables between pause and the first stressed syllable occurs in a stressed syllable. In the same way, only three of the twelve clusters which occur as a result of fusion between a verb stem and a following morpheme occur elsewhere.

Syllables which precede the stressed syllable (that is, those which occur in verb prefixes) have either /b, d, g/ or /š/. The clusters are: /br, dr, dy; gd, gm, gn, gw, gy, gr; šp, št, šk, škw/. In addition, there is the cluster /nm/. Examples with clusters which occur prestress: brà | xăp | it is (distant location), drà màfi I am a worker, dyá màfihe we are workers; gdá màgàp i I am going there, gmí nxàp iya you were like that, gní ma you are going, gwí xápi you do that, gyá mmnængýhíp i you (pl.) are citizens there, grá mæfi you are a worker; špí pyžp i he came from there, štá ma I went, šká ma you went, škwí pyžhæ you have come far; nmí nkhàgòp iya I was like that.

Most consonant clusters which occur in stressed syllables have either /m, n, h/ or /²/. In addition, the clusters /kw, gw, ss, št, xw/ also occur. The clusters with /m, n, h, ²/ are: /mb, mm; nd, ng, n², ns, nš, nh, nz, nn, nw; hm, hn, hw, hy, th; ²b, ²d, ²w, ²y, s², t², k²/. Examples with stem-initial clusters: Imbáre compadre, Immìi heart; Indàni cow, Ingə meat, In²ài skunk, Insógi key, Inšų

arrow, 'nho good, 'nzăfi rifle, 'nnîi a drip, 'nwáxï beanfield; 'hmæ tortilla, 'hnňni town, 'hwa fish, 'hyádi sun, 'tha dried cornon-the-cob, 'l²bàši broom, 'l²dăni bridge, 'l²wæ frog, 'l²yu road, 'ls²ï tail, 'l²áfi brown sugar, 'k²èya snake; 'kwæ anger, 'lgwæ a small one, 'lssæ frost, 'lšta hair, 'xwài machete.

Stem-initial clusters with three or four consonants all have a nasal, namely: /m²m, mhm, n²n, n²w, n²y, mph, nth, nkh, nt², ns², nk², nk²w/. Examples: ¹m²màs²i strainer, ¹mhmát²i an argument, ¹n²nášte contagious, ¹n²wági a broken bone, ¹n²yógi tomb, ¹mphò²yæ ring, ¹nthŭs²i chair, ¹nkhų sister (man²s), ¹nt²o a cradle, ¹ns²o evil, ²l¹nk²wás²i it is boiling, šá¹nk²a it is wet.

Many of the stem-medial clusters of two consonants are the same as those which occur in stem-initial position. In addition, there are other clusters beginning with /s, š, m, n, [?]/ which do not occur in stem-initial position. Examples: 'dæspi *ember*, 'l²bíska *chicken dropping*, 'l²ásmínyo *police*; 'mmɔ́ške *blister*, 'fæšmi *bald person*, 'ldəmšášni *rose*, 'ndæšfàni *reins*, 'lgwášxo *pant leg*, 'lsíšwi *you* (dual) carry it, 'dòšyo caterpillar, 'nsəxtéhe 'k²àmdàpo green foliage, 'lšímhòi world; 'lšənbáte teacher, 'nkhù²mi a cover, 'dŏ²ni egg.

Still other clusters which, in our data, occur in stem-medial position, but which do not occur stem-initially are: /bd, gz, pš, ph, py, kt, ks, kš, kh/. Examples: ¹nzíbde supper, ¹šígzų coward, ¹šípšáhi a water plant, ʔì¹ʔóphíni giving out heavy smoke, ¹hmæpya sign, ¹ʔòkto cave, ¹šóksa sliver, ¹ʔòkšíyų nostril, ¹mòkhą priest.

Stem-medial clusters of more than two consonants which do not appear in stem-initial position are: /mph, nhn, nk², sth, shn, š²y, št², šxw, xhm, nskw, nshm, nt²y, ²s², ²t²/. Examples: ¹támphə rooster, ¹thúnhni bench, ¹šìnk² &ya a fern, ¹k² ăstha green cornfield, ¹zàshni a certain tree, ¹záš²yo cornstalk, ¹t²àšt²àfi sugar, ¹²òšxwa

devil, 'zéxhmi napkin, 'dĭnskwa rabbit, 'ndànshmi cheek, 'k'ŏnt'ya back of neck, rà 'nt'5's' i the spoon, rà 'thò't' i the cornhusk.

When a verb stem is followed by a nonstressed morpheme, there may be fusion of the verb stem with morphemes, such as a following article or possessive pronoun. (The final vowel of the verb stem may be lost and the final consonant of the stem may or may not be changed.) This fusion results in the following consonant clusters: /hm, hn, hy, hr, rk, šr, šy, kr, ky, xm, rp, rb/. In our data, this is the only environment in which the last nine of these clusters occur. Examples: bì těde she raised, bì těhrà bàsi she raised the child, bì těhyá bàsi she raised their child, bì terkama bàsi she raised my child; bì hóki he fixed, bì hókrá Indæ he fixed his yoke, bì hókyà 'ndæ he fixed the yokes, dá hóxmà 'ndæ I fixed my yoke; bì zəhə he arrived, bì zəhrà bàsi the child arrived, bì zəhyə bàsi the children arrived, bì zəhma basi my child arrived, bì zəhnì bàsi your child arrived; bì hyặsyà mánsa he baked the ears of corn, bì hyặsrà mánša he baked the ear of corn; dì pòrpi he changes it; bì górbi it's laying inside.

There is a restriction in the distribution of consonants in relation to vowels. That is, in our data, not all consonants precede all vowels. Specifically, in native words, there are the following restrictions: (1) There is no contrast between vowels following /r/. The vocoid is low central and is more nasalized when preceding /m/ and /n/ than in other environments. We have arbitrarily written it as /a/. (2) /w/ does not precede cede /u/. (4) /f/ does not precede /u, u/. (5) /n/ does not precede /x, u/. (6) /y/ does not precede /i, i/. (7) /z/ does not precede /e, α /. (8) /k/ does not precede / α , i/. (9) /x/ does not precede /x, \Rightarrow , u/.

There seems to be lack of contrast of

oral versus nasal vowels in the verb prefixes and the proclitics which precede a noun stem. Some of the verb prefixes are nasalized when preceding /m/, /n/, and nasal vowels, but are oral when preceding nonnasal phonemes. For example: di pède I count versus di mit i I grab; pì sóya he rests versus pì núhų he wakes up; dà fòdi he will take care of versus dà mit i he will grab; gà xòhi I will sweep versus gà núhų I will wake up.

5. Lexical tone contrasts on all syllables except the prepause syllable, and the final syllable of a multisyllable stem. (Intonation is contrastive on the prepause syllable, see 6, and unless modified by intonation, a stem-final syllable has high tone.)

There are three tonemes: high /'/, low /'/, and upglide /'/. These contrastive tones cause a difference in meaning of lexical items, as in: dí 'túhų I sing, dí 'tǔhų I plant, dí 'tùt' į I swallow; dí 'húmbį I hurry him, dí 'hùmbį I point out, dí 'pǎmbį I say it to him; gá 'sógi you left (it), dá 'sŏgi I left (it), dá 'sŏgi I spit; dí 'hákį I am taking, dí 'hònį I am hunting for, dí 'hǎnį I am receiving.

A few examples of minimal tone pairs are: 'múza banana, 'mùza papaya, 'thúhu a growing cornstalk, 'thǔhu name, dí 'hés'e I sneeze, dí 'hěs'e I cover; 'dó'yo bone, 'dò'yo comal; rá 'ndéhe his fontanel, rà 'ndéhe the swamp.

The contrast between two sets of verb prefixes and two sets of noun proclitics is carried by tone: dá mìt i I grabbed, dà mìt i he will grab; gá kót i you enclosed (it), gà kót i I will enclose (it); rá nth uṣ i his chair, rà nth uṣ i the chair; yá trì i their daughter, yà trì is the daughters.

On the nonstressed syllables, only the contrast of high versus low tone occurs. That is, the upglide occurs only on stressed syllables: rá¹nzăfi his gun, rá¹t²ŏs²i his bed, rá¹r²děde his ladder. There is no con-

trast of tone on a syllable which is preceding pause, since that environment is the domain of contrastive intonation (see 6).

Except for one-syllable stems, a stem-final syllable has a high tone when followed by another morpheme within the word, or when followed by another word: mà l'těmégo my butterfly, mà l'sìtógo my bottle, mà l-móhígo my plate, rà lnzăfi bì dégi the rifle fell.

A one-syllable stem when it occurs prepause does not have contrastive tone, but in other environments some one-syllable stems have low tone, and some have upgliding tone: 'so fingernail, 'hyæ mirror, 'ngų house, 'yo candle, 'stą hair. When followed by another morpheme, the above words have contrastive tone: màl-sògo my fingernail, màlhyægo my mirror, màlngùngo my house, màlyögc my candle, màlstägo my hair.

In three-syllable stems, there are the following tone sequences: 'kísási measles, 'šímòza bowl, 'dàyámo big toe, 'gìšfàni a slingshot, 'těkángų a two-story house, 'k'ithèhe whooping cough.

There are a few four-syllable stems: dáfànzàte lion, gónèdònį flower bud.

When high tone is on a syllable with /i/, it has a slightly higher allotone than when it is with other vowels: 'tíškwa top of foot versus 'fódi jail, 'šíthæ plank versus 'ndéhe fontanel. A stressed high usually has a slight downgliding allotone when the vowel is between voiced consonants: 'xwángwa shin versus 'tháhi thread, rá dógwa his ankle versus rá 'nt² 5° s'i his spoon.

A low tone in a stressed syllable is slightly lower than a nonstressed low. That is, in the following examples, the second syllable is lower than the first: gà ¹⁷àmbi *I* will replant, rà ¹sàha the finger, dà ¹⁷yòdi he will ask for.

An upgliding tone is occasionally actualized as a level pitch which is slightly higher than a low tone: bù mě's 'i he guarded

versus b\(\partial^1\max\) s\(\gamma\) i he warded off. The upglide is more perceptible in syllables which are closed with \(/m\), \(n\)/ than in open syllables: \(\mathref{g}\)\(\partial^1\gamma\) y\(\partial^m\) b\(\partial^3\) b\(\partial^3\) the peso.

When in otherwise analogous environments, a vowel with a low tone is longer than a vowel with high tone: rálšíthi his sandal versus rálšíthi his bamboo; dálháki I took away versus dálháki I copied.

6. Contrastive intonation, signaling the attitude of the speaker, is carried in part by voice quality and by raising or lowering the general pitch with which an utterance, or part of an utterance, is spoken.

Contrastive intonation also occurs on a prepause syllable: (1) A sequence intonation used, for example, when items are listed, glides upward from a pitch about the level of lexical high. (2) A terminal intonation used, for example, at the end of a list, glides downward from midway between lexical high and low. (3) A level pitch (about the same height as lexical high) is used on the prepause syllables much of the time, for example, in a monologue. (4) A raise in key of the last part of a sentence, with upglide on the last syllable to extra-high, indicates surprise. (In the following examples, /1/ is extrahigh and /3/ is low.) ⁷wà híngì pàki ²⁻¹ don't you know me? (5) When signaling emphasis or correction, the prepause syllable has extra stress and length, and it falls from the height of a lexical high to low: gò | nùgo 2-3 it's me! (6) A fall from extra-high to low, with added length and stress, is used when calling: Išúwa 1-3 John! (7) A fast fall from extra-high is attention getting: |šúwa 1-2, bí |7 yækwa 2 John, come here!

In a sequence of more than one word, even in an unemotional utterance, the prepause syllable frequently is louder than the other syllables. Thus, the prepause syllable, marked by loudness, is the domain of sentence stress, even while word-stress, marked by length (and occurring on the first syllable of the stem) is retained.

7. Each syllable has one vowel. Even when two vowels occur in sequence, both are syllable nuclei, as in: If in hat.

There may be one, two, or three consonants between pause and the first vowel. That is, the postpause syllable may be CV, CCV, or CCCV. For example: 'ha he has, 'tha corn, 'nthahi rope.

No consonants precede pause; only vowels occur prepause. The syllable preceding pause may consist of a single vowel, or the final vowel may be preceded by one, two, three, or in a few words, four consonants. For example: 'nặnị lime, 'dŏ'nị egg, 'tặnhnị war, 'dặnskwa rabbit. The division between word-medial syllables is often indeterminate.

8. The syllable with primary stress is the nucleus of the phonological word. It is the first syllable of a stem: 'păhni shirt, rà'păhni the shirt, nàrà'păhni this the shirt, 'thèbe beads, mà'thèbe my beads, màzi'thèbe my little beads, 'zàfàni cornstalk, rà'zàfàni the cornstalk, 'kisási measles, di'pède I am counting.

There are a few four-syllable stems. With these words, primary stress occurs on the first syllable and a secondary stress (unmarked) on the third: \[\sqrt{\text{s}}\text{\text{k}}\gamma\text{and}\text{\text{e}he} \] mintherb, \[\pa\text{smahh\text{\text{e}s}}\gamma_i \] a swallow, \[\pa\text{smahh\text{\text{e}s}}\gamma_i \] house with a cornstalk roof, \[\text{gonedahi}\text{flower bud}. \]

A stressed syllable is perceived as slightly louder and slightly longer than other syllables: gà páha *I will smell (it)*. Stress may also be marked by the allotones of low tone (see 5) and by allophones of the voiceless stops (see 2).

The borders between words are frequently indefinite. For example, the article

or possessive pronoun of a noun phrase when it follows another noun, or a verb, usually (except in slow speech) clusters with the preceding phonological word: ?ì'sa he eats + rà'dàpo the grass + nàrà'fáni this the mule becomes ?ì'sàrà 'dàponàrà 'fáni this the mule eats the grass; ?ì'si he has + rá'fáni his mule + rà'bàsi the child becomes ?ì'sírá 'fánírà 'bàsi the child has his mule.

Borders between words may also be

indefinite when a verb with a stem-final /i, į, e/ is followed by a noun phrase beginning with morphemes such as rą- his, rą-the, yś- their, or yè- plural. The stem-final vowel of the verb may drop: bì hyặši he baked + rạ mánša the ear of corn becomes bì hyặsyà mánša he baked the ear of corn; bì hyặsyà mánša he baked ears of corn; bì hyáki he took (it) + rạ lápi his pencil becomes bì hyákrą lápi he took his pencil.

LINKED CITATIONS

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[Footnotes]

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