# Tlapanec-Mangue 

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## Evidence for Tlapanec as Otomanguean

- Rensch (1977) presented some Tlapanec-OM cognates
- Suárez' "Elementos gramaticales otomangues en tlapaneco" (1986) usually considered the decisive proof of an OM affiliation of Tlapanec
- Kaufman (1987-88ms) has many reconstructions of grammatical morphemes with Tlapanec reflexes [ms not inspected for the present talk]


## Best evidence from Suárez (1986)

|  | $\begin{aligned} & \stackrel{\rightharpoonup}{\stackrel{\rightharpoonup}{T}} \\ & \frac{1}{7} \\ & \stackrel{ᅲ}{\gtrless} \end{aligned}$ | LOd'O3N Tes | $\begin{aligned} & \text { 룰 } \\ & \text { 율 } \end{aligned}$ | $\frac{9}{3}$ | 5 0 0 0 0 |  | $n$ 8 8 8 | $\begin{aligned} & \frac{3}{0} \\ & \frac{0}{2} \\ & \frac{0}{0} \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Chinantec | 1 | 1 | 1 |  |  |  | 1 |  |  |  |  | 1 |  | 1 | 1 | 1 | 8 |
| Zapotec | 1 |  |  |  |  | 1 |  | 1 |  |  | 1 |  |  |  |  |  | 4 |
| Trique |  |  |  |  |  | 1 | 1 |  | 1 |  |  |  | 1 |  |  |  | 4 |
| Mazahua | 1 |  |  |  |  | 1 |  | 1 |  |  |  |  |  |  |  |  | 3 |
| Chiapaneco |  |  |  |  |  |  |  |  | 1 | 1 |  | 1 |  |  |  |  | 3 |
| Cuicatec |  |  | 1 |  |  |  |  |  |  |  | 1 |  |  |  |  |  | 2 |
| Mixtec |  |  | 1 |  |  |  |  |  | 1 |  |  |  |  |  |  |  | 2 |
| Amuzgo |  |  |  |  |  | 1 | 1 |  |  |  |  |  |  |  |  |  | 2 |
| Otomí |  |  |  |  |  | 1 |  | 1 |  |  |  |  |  |  |  |  | 2 |
| Matlatzinca |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Ixcatec |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Popoloca |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Chatino |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  | 1 |
| Mazatec |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  | 1 |
| Chichimeco |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  | 1 |

## Evidence for the position of Tlapanec?

- The grammatical elements of Suárez (1986) point to Chinantec as the closest subgroup, although Suárez himself did not commit himself to any particular subgrouping scenario.


## Evidence for the position of Tlapanec?

- Rensch ("Classification of the Otomanguean languages and the position of Tlapanec", 1977) discussed possible phonological innovations shared between Tlapanec and other OM languages:
- with Mixtecan, Chiapanec-Mangue, Zapotecan, Chinantecan: merger of **nt and ${ }^{* *}$ ns
- with Chiapanec-Mangue and Zapotecan: merger of $* *_{i}$ and **e
- with Zapotecan: **Vh > *VPV/__\#
- with Chiapanec-Mangue: **ny > *r (some other groups have **ny > *I
- with Chiapanec-Mangue, Otopamean, Isthmus Zapotec: ${ }^{* *} \mathrm{k}^{\mathrm{w}}>\mathrm{p}$


## Evidence for the position of Tlapanec?

- Rensch (1997:95) concludes that "Tlapanec is most like Proto Zapotecan, especially Zapotec, from the standpoint of both structural innovations and phonetic shifts. Proto Chiapanec-Mague and Proto Mixtecan seem to be removed from Tlapanec by successive degrees of separation but still are significantly more like Tlapanec than are the other groups within Otomanguean".
- Note that Kaufman (1989ms) classifies Zapotecan as Eastern OM and Tlapanec as Western OM, which is not compatible with the findings of Rensch.


## Evidence for the position of Tlapanec?

- In "New perspective on comparative Otomanguean phonology" (ms, 1983), Kaufman regards Tlapanec as a separate OM branch, but in "Early OtoManguean homelands and cultures" (ms, 2006) it is placed together with Chiapanec-Mangue "primarily on the basis of grammatical data".
- Swadesh (1959:18) also had a "mangue-tlapaneco" subgroup (with a time depth of 41 centuries)
- Campbell $(1997: 158)$ reiterates the Swadesh-Kaufman position
- None of these works provides any supporting evidence


## Evidence for the position of Tlapanec?

- Probably best to regard the issue as unresolved. Closest neighbors could be
- Chiapanec-Mangue (Kaufman, Swadesh)
- Chinantec (Suárez' evidence)
- Zapotecan (Rensch)
- But there may also be other possibilities suggesting themselves from more recently available descriptive materials
- In this talk I will have nothing further to say about Chiapanec-Mangue!


## Internal classification



Tlapanec in Guerrero and Subtiaba in Nicaragua

## Internal classification



Distance between Azoyú and León

## Internal classification



Tlapanec varieties in Guerrero according to INALI (2008)

## Internal classification



## Internal classification

varieties recognized by Ethnologue: Subtiaba [sut],
Azoyú [tpc], Malinaltepec [tcf], Acatepec [tpx], Tlacoapa [tpl]


ASJP classification based on average Levenshtein distances between 40 -item word lists
(same configuration obtains when using
the method of Jäger 2013)

## Internal classification



## Internal classification

- Normalized Levenshtein distance between the two most distant ISO-code languages, [sut] (Subtiaba) and [tpx] (Acatepec, Teocuitlapa): 72.19\% LDND $\rightarrow 1821$ years before present (using the method of Holman et al 2011)
- More comparative information will follow in my chapter; some comparative materials available in Marlett (ed.), The Me'phaa Grammar Files (http://www-01.sil.org/mexico/workpapers/wP013iMe\'phaaGrammarFiles.htm)


## Structural overview based on Azoyú variety (Me’pá)

## PHONOLOGY

- Phonological inventory and some notes

MORPHOLOGY / MORPHOSYNTAX

- Nominal inflection (possession)
- Verbal inflection
- aspect-polarity
- agentivity
- given-new
- case
- Valency
- Iterative
- Omniverbity



## Phonology (Azoyú)

| p |  | t | ts | $\check{c s}_{\text {c }}[t]$ | k | ? | i | u |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| b | d | d | j [d3] |  | g |  | e | 0 |
| mb [mb] |  | nd [ ${ }^{\text {d }}$ d] | nj [ ${ }^{\text {d }}$ | ng [ ${ }^{\text {g }}$ ] |  |  |  |  |
|  |  | $s$ | š []] |  |  | h |  |  |
| m | m | n |  |  | n |  |  |  |
|  |  | $r$ |  |  |  |  | V (nasali |  |
|  |  | I |  |  |  |  | tones: |  |
|  | w |  | y [j] |  |  |  | H (á), | L (à) |
|  |  |  |  |  |  |  | HM (â) | (â), M |

Frequent cluster types: hC, sC, xC, (h)Tr (T = stop), pw, tsw, hkw, hky
Syllable: (((C)C)C)V( $\pm$ nas)(?)
Nasalization spreads left through /R, h, w, y/, e.g. yahų'? ‘I am’ nasalized throughout

## Differences with Malinaltepec

- Mal. claimed to have all possible combinations of tones (Suárez 1983:45), whereas I have only recorded four contour tones in Azoyú
- Mal. claimed to have a vowel length distinction, whereas I have only recorded phonetically long vowels with contour tones in Azoyú


## Comparisons

| meaning | Malinaltepec | Azoyú |
| :---: | :---: | :---: |
| grano | ska ${ }^{\text {H }}$ | ska ${ }^{\text {M }}$ |
| miel | ya: ${ }^{\text {H}}$ | yapML |
| bolsa | $1 \mathrm{C}^{\mathrm{M}} \mathrm{ka}^{\mathrm{HM}}$ | no correspondance |
| ropa | štij:HM | šţ̧ ${ }^{\text {HM }}$ |
| su (de ellos) petate | $\mathrm{a}^{\mathrm{M}} \mathrm{gu}: \mathrm{HL}^{\mathrm{HL}}$ | $\mathrm{a}^{\text {Lgum }}$ M |
| ardilla | ya: ${ }^{\text {MH }}$ | $t u^{\text {M }}$ Štu ${ }^{\text {M }}$ yap ${ }^{\text {ML }}$ |
| palabra | a'hnga: ${ }^{\text {ML }}$ | $\mathrm{a}^{\text {M }}$ høga ${ }^{\text {HM }}$ |
| les pregunté | ni'raLsiji:LM | no correspondance |
| me caí | $n i^{\text {L }}$ gu'hų ${ }^{\text {LH }}$ | ninga ${ }^{\text {hij }}{ }^{\text {ML }}$ |

## Comparisons

| meaning | Malinaltepec | Azoyú |
| :---: | :---: | :---: |
| grano | ska ${ }^{\text {H }}$ | ska ${ }^{\text {M }}$ |
| miel | ya: ${ }^{\text {H }}$ | yap ${ }^{\text {ML }}$ |
| bolsa | $l e^{M} \mathrm{ka}^{\mathrm{HM}}$ | no correspondance |
| ropa | štij:HM | štil ${ }^{\text {HM }}$ |
| su (de ellos) petate | $\mathrm{a}^{\mathrm{M}} \mathrm{gu}:{ }^{\text {HL}}$ | $\mathrm{a}^{\text {L }} \mathrm{y}^{\text {MH }}$ |
| ardilla | ya: ${ }^{\text {MH }}$ | tu ${ }^{\text {M }}$ Šu ${ }^{\text {M }}$ yap ${ }^{\text {ML }}$ |
| palabra | a ${ }^{\text {Lhnga: }}$ ML | $\mathrm{a}^{\text {M }}$ hnga ${ }^{\text {HM }}$ |
| les pregunté | ni'raLšǐ:LM | no correspondance |
| me caí | niLgu'hus:LH | ninga ${ }^{\text {h }}{ }_{i}{ }^{\text {ML }}$ |

Loss of some glottal stops in Malinaltepec "compensated for" by raised tones?

## Notes on phonology

- /e/ and /o/ rare and look like historical innovations
- tones relevant for the last two syllables only (except in some compounds)
- consonant harmony involving nasalization: na-mbeyép 's/he cries' vs. a-ta-biyàp 'cry!'
- segmental sandhi rampant:
mogó ngwá idû iya? $\rightarrow$ mogó ngwidiya?
they.will.go where its.eye water
'they will go to the well'


## Nominal inflection (possession)

(based on Wichmann 2006)

| person | Segments | Tonal paradigm 1 | Tonal paradigm 2 | Tonal paradigm 3 |
| :---: | :---: | :---: | :---: | :---: |
| 1SG | -up/-o? | M | L | L |
| 2sG | -a? | HM | ML | H |
| 3SG.NEW | -u/-o | HM | ML | H |
| 3sG.gIVEN | -u/-o | H | H | H |
| 1PL-2PL | -a? | M | L | L |
| 3PL.NEW | -u | LM | LM | ML |
| 3PL.GIVEN | -us | MH | MH | LM |

## Examples of forms taking the different paradigms

| Paradigm 1 | Paradigm 2 |  | Paradigm 3 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| bùhká 'money' | L.H | ỉdi ‘blood' | M.M | dípì 'flower' | H.L |
| pàtsip 'boulder' | L.M | šwahí 'town' | M.L | sクgà 'penis' | L |
| nàndî 'tobacco' | L.HM | smba 'dirt' | M |  |  |
| šndu 'egg' | M | šnàp 'feather' | L |  |  |
| štíl 'clothes' | HM | yâ? 'honey' | ML |  |  |

## Let's posit floating tones for the monosyllabic forms

| Paradigm 1 |  | Paradigm 2 |  | Paradigm 3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| bùhká 'money' | L.H | ipdi 'blood' | M.M | dípi 'flower' | H.L |
| pàtsip 'boulder' | L.M | šwahị 'town' | M.L | ${ }^{\text {H}}$ shgà 'penis' | H.L |
| nàndî 'tobacco' | L.HM | Msmba 'dirt' | M.M |  |  |
| Lšndu 'egg' | L.M | Mšnàp 'feather' | M.L |  |  |
| Lštil 'clothes' | L.HM | Myâ? 'honey' | M.ML |  |  |

Now the paradigm of choice becomes predictable from the tone of the penultimate syllable and the underlying shape of a single tonal paradigm for the suffixes can be worked out

## A possession class distinction

 (based on Wichmann 1996a)- An morpheme -i appears before the person markers in some forms but not in others, e.g.

| hmida 'huipil' | hmèdo? 'my huipil' |
| :---: | :---: |
| gà ${ }^{\text {a }}$ a 'foam' | gòpo 'my foam' |
| čá?gwơ 'star' | čápg-y-ư? 'my star' |
| àpbù 'locust' | $a p b-y$-ùp 'my locust' |

## -i signals membership in a class of 'extended animate' items

- All living creatures: a?gù 'woman', šabù 'man', mištú 'cat', štilá 'chicken', etc.
- Heavenly bodies: čá?gwą 'star', ahkà? 'sun'
- Spanish loanwords: mèsa 'table' kurrá 'corral' àšu 'garlic', etc.
- Some bodyparts and -products: nìhtu 'sinew', yà pdu 'milk', gàhtsu 'brain', nanùp 'natural parting of hair, anal musculature'
- Some plants and natural products: mugù 'cotton', rambù 'tomato', ganù? 'corn on the cob', drubù 'chayote', idu 'salt'
- A few others: štatsó 'blanket', šigù 'house pole', tsínu 'metate', yapdụ 'soup'


## Verbal inflection: aspect-polarity <br> (based on Wichmann 2006)

|  | Affirmative | Negative |
| :--- | :--- | :--- |
| Imperfective | na- | (ma-)tsì- |
| Perfective | ni- | (ma-)kà- |
| Potential | ma- | (ma-)šà- |

realis vs. irrealis; the latter marked by a floating tone

## Verbal inflection: given-new

(based on Wichmann 2007)
NEW unmarked, GIVEN marked by tones and additionally for some verbs by a suffix -i

> ỉgi? ggwá gò?ô hwá
> sits.3sG.New where house.3G.new Juan
> 'Juan sits in his house'
iká ỉgír $\quad$ ggwá gò?ó
he.given sits.3sg.given where house.3sg.given
'he sits in his (own) house'
iká ipgír $\quad$ ngwá gò?ô
he.given sits.3sg.gIVEN where house.3sg.new
'he sits in his (someone else's) house'

## Agentivity <br> (based on Wichmann 1996b)

Agentive

| 1SG, 3SG $\quad \quad \quad$ (unmarked) |  |
| :--- | :--- |
| 2sG | $t a-(t-, n d a-, n d-, r-)$ |
| PL | $u-$ |

Patientive
(unmarked)
(unmarked)
(unmarked)

NB: Agentivity does not affect grammatical relations, the markers are simply tags saying 'this action is performed/effected/instigated by the actor' (cf. the typology of Mithun 1991)

## Examples <br> (3sG.gIVEN, IPFV used as citation form)

- Agentive: verbs of manipulative action, communication, transactions, conscious mental action, bodily motion, etc.
narbá 's/he is moving it'
napjú 's/he is listening'
nangohwé 's/he is selling it'
na?ké 's/he is coming (to non-base)'
nandohté 's/he is spitting'
narùmbă? 's/he is working as a day-laborer'


## Examples

(3sG.gIVEN, IPFV used as citation form)

- Patientive:
napkwayú? 's/he is eating supper'
nakušpé 's/he is sucking (it)'
na?ná 's/he is drinking (it)'
nandó 's/he wants (it)'
nàyó? 's/he needs (it)'
napngó 's/he endures (it)'
nandai' 's/he stinks'
najú 's/he is happy'
napú 's/he is getting drunk'
nakugaší 's/he is drowning'
nahyú 's/he is waking up'


## Examples <br> (3sG.gIVEN, IPFV used as citation form)

- Ambivalent:
nanohngó 's/he crosses over (it)'
naptàginá? 's/he is burping'
napatumá 's/he is leaning up against (it)'
nangupú 's/he feels at home'
nahmayó? 's/he is swimming'
nakwáhkyğ 's/he is thinking/worrying'
naromŏ? 's/he is eating soup'
nanembŏ 's/he believes (in it)'


## Case marking

## (based on Wichmann 2005, 2009)

|  | Ergative | Absolutive | Pegative | Dative |
| :---: | :---: | :---: | :---: | :---: |
| 1sg | -ø | -4? | -u ~-o | -up ~ -op |
| 2sG | - $\varnothing$ | -ip / -ą? | -a/-i | -ap |
| 3sg.new | - $\varnothing$ | -i/ -a | -u ~ - | -u ~ -o |
| 1PL-2PL | -ø | -ą? | -a/-i | -a? |
| 3pl.new | - $\varnothing$ | -i | -a/-i | -4 |

Suffixal paradigms of monopersonal verbs

## Semantics of case marking

| MACRO-ROLE | ACTOR | UNDERGOER |
| :--- | :--- | :--- |
| E(/A)FFECTEDNESS |  |  |
| HIGH |  |  |
| LOW | ERGATIVE | ABSOLUTIVE |

## Back to the possessive paradigm

| person | Segments | Tonal paradigm 1 | Tonal paradigm 2 | Tonal paradigm 3 |
| :---: | :---: | :---: | :---: | :---: |
| 1SG | -up/-o? | M | L | L |
| 2SG | -a? | HM | ML | H |
| 3sG.NEW | -u/-o | HM | ML | H |
| 3SG.GIVEN | -u/-o | H | H | H |
| 1PL-2PL | -a? | M | L | L |
| 3PL.NEW | -u | LM | LM | ML |
| 3PL.GIVEN | -us | MH | MH | LM |

## Back to the possessive paradigm

| person | Segments |
| :---: | :---: |
| 1SG | -uP/-o? |
| 2sg | -ap |
| 3SG.NEW | -u/-o |
| 3sG.gIVEN | -u/-o |
| 1PL-2PL | -a? |
| 3PL.NEW | -uc |
| 3PL.GIVEN | -uc |

## The possessive paradigm is the Dative

| person | Segments | Possession | Monopersonal verb | Recipient of dipersonal verb |
| :---: | :---: | :---: | :---: | :---: |
| 1sG | -up/-o? | hmèdo? 'my huipil' | načò? <br> 'I'm in a hurry' | nire?yo? <br> 'they (GIVEN) answer me' |
| 2SG | $-a p$ | hmèdâ? 'your huipil' | načá? <br> 'you're in a h.' | nire ${ }^{2} y$ â? <br> 'they (G) answer you' |
| 3sG.NEW | -u/-o | hmedó 'her/his huipil' | nàčó <br> 's/he's in a h.' | nire?yă <br> 'they (G) answer him/her (GIVEN)' |
| 3sG.gIVEN | -u/-o | mèdô <br> 'her/his huipil' | nàčó <br> 's/he's in a h.' | nire $\mathrm{P}_{\mathrm{y}}$ व̆ <br> 'they (G) answer him/her (NEW)' |
| 1PL-2PL | -ap | $\begin{aligned} & \text { hmèdap=lò? } \\ & \text { 'our (EXCL) huipil' } \end{aligned}$ | načàp=lò? <br> 'we're (EXCL)...' | nire? ${ }^{2} q$ '? $=1 \grave{o}=r i$ <br> 'they (GIVEN) answer us (EXCL) |
| 3PL.NEW | -4 | hmèdǔ 'their huipil' | načŭ 'they're i. a. h.' | ```nirePyǔ 'they (GIVEN) answer them (NEW)``` |
| 3PL.GIVEN | $-4$ | hmèdŭ 'their huipil' | načư 'they're i. a. h.' | nire?yû <br> 'they (GIVEN) answer them (GIVEN) |

A split ergative pattern where the undergoer (recipient) is normally indexed except when there is a third person singular recipient, in which case the actor is indexed

| person | Recipient of dipersonal verb |  |
| :---: | :---: | :---: |
| 1SG | ```nire?yo'? 'they (GIVEN) answer me'``` | Dative |
| 2sG | nire ${ }^{2} y$ â? <br> 'they (G) answer you' |  |
| 3SG.NEW | ```nire?yq̆ 'they (G) answer him/her (GIVEN)'``` | Dative's |
| 3sG.GIVEN | ```nire?yă 'they (G) answer him/her (NEW)'``` | mirror-image <br> ='Pegative' |
| 1PL-2PL | nire ${ }^{2} y$ qं? $=1 \grave{o}=r i$ <br> 'they (GIVEN) answer us (EXCL) |  |
| 3PL.NEW | ```nirePyǔ 'they (GIVEN) answer them (NEW)``` | Dative |
| 3PL.GIVEN | nire?yû <br> 'they (GIVEN) answer them (GIVEN) |  |


| Monopersonal verbs |  |  |  | Dipersonal verbs |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Person | Absolutive | Dative | Pegative | Undergoer | Absolutive | Dative /Pegative |
| 1sG | -ũ? | -up / -op | -u / -o | 1sG | -ũ? | -up / -op |
| 2sG | -ã? / -ĩp | -ap | -a/-i | 2sG | -ã? / -ĩp | -ap |
| 3sg | -a/-i | -u / -o | -u / -o | 1-3sg |  | -u/-o |
|  |  |  |  | 2-3sG |  | -a/-i |
|  |  |  |  | 3-3sg |  | -u/-o |
|  |  |  |  | 1/2PL-3sG |  | -a/ -i |
|  |  |  |  | 3pl-3sg |  | -a/ -i |
| 1PL-2PL | -ã? | -ap | -a/-i | 1PL-2PL | -ã? | -a? |
| 3 PL | - | -ũ | -a / -i | 3 PL | - | -u |

## Valency

(based on Wichmann 2010)

- Valency, not transitivity, important
- Valency defined as the number of animate participants indexed on the predicate-from zero to three


## Examples: 0-valent

ni-ngahtâ? jamà
PFV-fall banana
'The banana fell.'

## Examples: 1-valent

šabù ra ni-ŋgah-á<br>man TOP PFV-fall.to.side-3sG.GIVEN.ABS<br>'As for the man, he fell to the side.'

baš-ó
nude.3sG.GIVEN.DAT
'S/he is nude.'

## Examples: 1-valent

ni-hkam-é
PFV-hang.up-3sG.GIVEN.ERG 'S/he hung up the clothes.'
štī
clothes
ni-šiáh-ų?
$m b a$ iyì?
PFV-send-1sG.PEG a paper
'I sent a letter.'

## Examples: 2-valent

ni-guhpràp-á
PFV-kick-3sG.GIVEN>3sG.ABS
'S/he kicked him/her.'
ni-raPn-ú
PFV-meet-3sG.GIVEN.PEG>3sG
'S/he met him/her.'
ni-tahm-ú
(iyì)
PFV-show-3SG.GIVEN.PEG>3SG (paper)
'S/he showed it/the paper to him/her.'

## Examples: 2-valent \& 3-valent

mà-šn-ú
FUT-give-3sG.G.PEG>3sG
'S/he will give it to him/her.'
mà-šn-y-ú
nenj-ò?
FUT-give-ANIM.THEME-3sG.G.PEG>3sG AUX-1SG.POSS
'S/he will give me to him/her.'

## Summary examples

```
ma-šnate?y-e
FUT-lend-3sG.GIVEN.ERG
'she (ERG) will lend it'
ma-šnate?y-q́
FUT-lend-3sG.GIVEN>3sG.ABS
'she will lend him (ABS)'
```

ma-šnate 3 y-ó
FUT-lend-3sG.GIVEN.PEG>3sG
'she (PEG) will lend it to him'
ma-šnate? $y$-ó
nends-ò?
FUT-lend(-an)-3sG.GIVEN.PEG>3sG
AUX-1SG.DAT
'she (PEG) will lend me to him'

## Psych verbs: one participant with two case roles!

| na-mahk-ò? kay |  | kay-ó | hwá |
| :---: | :---: | :---: | :---: |
| IPFV-admire-1sG.DAT A |  | AUX-1SG.PEG>3sG.GIVEN | Juan |
|  | natsi-ŭ | $y \underline{\square} ?$ |  |
| SUB | be.beautiful-3sG.DAT | T very |  |
| $a P g-y-O ̆$ |  | $d i-P y$-áp |  |
| wom | n-CL-3SG.GIVEN.POSS PF | PFV-find-3sG.GIVEN.G>3 |  |

'I admire Juan for having found a very beautiful wife.'

## The iterative

- Highly productive and very frequent in texts
- Formed by changing tones and adding a glottal stop plus $=r i \sim=1 i ̀(3 s g / p l . g i v e n) ~ o r ~$ (optionally) =là (1sg, 2sg)
- If the non-iterative assigns pegative the corresponding iterative normally assigns ergative, presumably motivated by the added intensity of the action; absolutive, dative, and ergative normally don't change


## Semantic framework

action profiled
landmark profiled part-whole
non-simultaneous
take up doing again
do it to the same thing twice, return to the same state

## Semantic framework

simultaneous

action profiled
landmark profiled
part-whole
e.g., rot completely
non-simultaneous
take up doing again
e.g., eat supper again (next day)
do it to the same thing twice
e.g., reheat coffee

## Semantic framework

simultaneous

action profiled
landmark profiled
part-whole
distributive
e.g., sprinkle in different places
e.g., rot completely
non-simultaneous
take up doing again
e.g., eat supper again (next day)
do it to the same thing twice
e.g., reheat coffee with motion verbs:
BASE

## The iterative with motion verbs

nehké
's/he went'
ne?ké
's/he came'
ningané
's/he arrived there (non-base)'
nikané
'she arrived here (non-base)'
nihkáprì
's/he left for good'
ni ${ }^{2} k a ́ P r i ̀ ~$
's/he came to stay'
ninganúprì
's/he arrived there (base)
nikanúPrì
'she arrived here (base)'

## Omniverbity

- Not omnipredicativity; nouns do not function as predicates, a copular is needed:

| $i k u ̆ ?$ | šabù yah-ù? |
| :--- | :--- |
| 1 | man be.1sG.DAT |

'I am a man'

* ikŭ? šabù
- But elements widely inflected as verbs


## Examples

- Paradigm for nominal possession same as the verbal Dative markers
- Element meaning 'with' inflects as verb, appearing either as zero-valent, $h m a ̆$ ' with (something)' or 2-valent, e.g. hmá 's/he with him/her'
- Auxiliary element for introducing animate themes in 3 -valent constructions based on a verb meaning 'to impersonate'


## Examples

- The element nomò 'because' is really the zerovalent (inanimate) frame for a verb meaning 'to be worth', which can also inflect for animates, as a 1 -valent verb
- Pronouns ikųp 'I', iką ? 'you', iká ‘s/he', etc. really consist of a an element $i k V$ plus absolutive inflection; in the zero-valent frame we get iki 'there', so ikV means something like 'to be there'


## Examples

- Numerals also inflect for zero-valent (inanimate) vs. 1-valent (animate), e.g. mba 'one', mbaų'? 'I am alone'; so mba really means 'it is one / alone'


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