

Acknowledgements

- We want to start by thanking:
 - The Chumash people, whose land we stand on
 - Celia Bautista and Guillermo Martinez Lopez, for sharing their language with us (data for this presentation comes from them and Jeremías)
 - Everyone in the UCSB Field Methods Class 2019-20
 - Prof. Marianne Mithun for her insightful comments
 - Verónica and Claudia for their work recording speakers in Yucunani
 - NSF Award 1660355, UCSB Academic Senate Faculty Research Grant, Jacobs Research Fund

¡Tá tsà'vǐ-kue-ní!

01

THE PERSON PRONOUNS IN SÀ'ÁN SÀVI ÑÀ YUKÚNANI 02

SOUND CHANGES AND GRAMMATICALIZATION

03

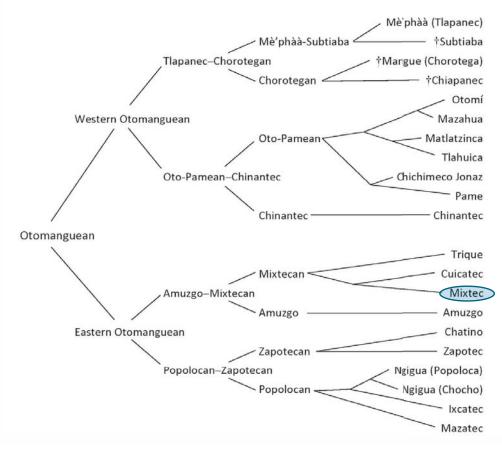
CONCLUSION

IN THIS PRESENTATION

Sà'án Sàvi ñà Yukúnani

- Yucunani, San Juan Mixtepec (Oaxaca, Mexico)
- 105 inhabitants
- Approx. 87 speakers (INEGI 2010)





Campbell 2017: 24

EXPLAINING ALLOMORPHY IN SÀ'ÁN SÀVŤÑÀ YUKÚNANŤ: SOUND CHANGE AND GRAMMATICALIZATION OF PERSON PRONOUNS (BELMAR, VÁSQUEZ-AGUILAR,

CAMPBELL & SALAZAR)

		SUBJECT I	PRONOUNS	OBJECT F	OBJECT PRONOUNS		TOPICALIZED	
						PR	ONOUNS	
		SG*	PL	SG*	PL	SG*	PL	
1 st	EXC	=yù / =L	=kuê	=yù	=kuê	meê	meé-kuê	
	INCL	_	=ó / =kó / =#	_	=kue-kó	_	meé-kó	
2 nd	NFORM	=ú / =H / =kú	=kue-yú	=yô	=kue-yú	тей	meé-kue-yú	
	FORM	=ní	=kue-ní	=ní	=kue-ní	meé-ní	meé-kue-ní	
3rd	GNR	=ì/=à	=kue-ì	=ñà / =à	=kue-ì	miî	meé-kue-ì	
	INAN	=ì/=à	=kue-ñà	=ñà / =à	=kue-ñà	meé-ñà	meé-kue-ñà	
	PL.HUM	_	=nà	_	=kue-nà	_	meé-kue-nà	
	CHILD	=tsi	=kue-tsi	=tsi	=kue-tsi	meé-tsi	meé-kue-tsi	
	M	=rà	=kue-rà	=rà	=kue-rà	meé-rà	meé-kue-rà	
	F	=i / =á	=kue-ñá	=ñá / =á	=kue-ñá	meé-ñá	meé-kue-ñá	
	Z00	=tí ~ =rí	=kue-tí	=tí ~ =rí	=kue-tí	meé-tí	meé-kue-tí	
	ROUND	=tí	=kue-tí	=tí	=kue-tí	meé-tí	meé-kue-tí	
	TRUNK	=tú	=kue-tú	=tú	=kue-tú	meé-tú	meé-kue-tú	
	LIQ	=rá	=kue-rá	=rá	=kue-rá	meé-rá	meé-kue-rá	
	DEITY	=yà	=kue-yà	=yà	=kue-yà	meé-yà	meé-kue-yà	
	METAL	_	_	_	_	_	_	

- We've got somewhat distinctive subject and object pronouns, as well as topicalized pronouns.
- Plurality in the third person, optional pluralizer =kue.
- In this presentation, we'll focus on the allomorphy in the subject pronouns

These are the pronouns we've documented so far with verbal elements

^{*} With the exception of =nà, which is always plural, all third person pronouns can refer to both singular and plural referents. The pluralizer =kue= is optional, and only appears if number is not easily recovered by context.

		SUBJECT PRONOUNS					
		SG*	PL			SG*	PL
1st	EXC	=yù / =L	=kuê	3rd	M	=rà	=kue=rà
	INCL	_	=ó / =kó / =H		F	=i/=á	=kue=ñá
2 nd	NFORM	=ú/=H/=kú	=kue-yú		Z00	=tí ~ =rí	=kue-tí
	FORM	=ní	=kue-ní		ROUND	=tí	=kue-tí
3rd	GNR	=ì/=à	=kue-ì		TRUNK	=tú	=kue-tú
	INAN	=ì/=à	=kue-ñà		LIQ	=rá	=kue-rá
	FORM	_	=nà		DEITY	=yà	=kue-yà
	CHILD	=tsi	=kue-tsi				

			SUBJECT PRONOUNS						
		SG*	PL			SG*	PL		
1st	EXC	=yu/=L	=kué	3rd	M	=rà	=kue=rà		
	INCL	_	=ó / =kó / =H		F	=i/=a	=kue=ñá		
2 nd	NFORM	$=\dot{u} / = H / = k\dot{u}$	í =kue-yú		Z00	=tí ~ =rí	=kue-tí		
	FORM	=ní	=kue-ní		ROUND	=tí	=kue-tí		
3rd	GNR	=ì/=à	=kue-ì		TRUNK	=tú	=kue-tú		
	INAN	=ì/=à	=kue-ñà		LIQ	=rá	=kue-rá		
	FORM		=nà		DEITY	=yà	=kue-yà		
	CHILD	=tsi	=kue-tsi						

			SUBJECT PRONOUNS					
		SG*	PL			SG*	PL	
1st	EXC	=yù / =L	=kuê	3rd	M	=rà	=kue=rà	
	INCL	_	=ó / =kó / =H		F	=i/=á	=kue=ñá	
2 nd	NFORM	=ú / =H / =kú	=kue-yú	-	Z00	=tí ~ =rí	=kue-tí	
	FORM	=ní	=kue-ní		ROUND	=tí	=kue-tí	
3rd	GNR	=ì/=à	=kue-ì		TRUNK	=tú	=kue-tú	
	INAN	=ì/=à	=kue-ñà		LIQ	=rá	=kue-rá	
	FORM		=nà		DEITY	=yà	=kue-yà	
	CHILD	=tsi	=kue-tsi					

SOUND CHANGES & GRAMMATICALIZATION

First-person singular

(1) Tá ntsìtsà'àn-yù ntsìsáchuùn. [MYUC-1028, JS, 01:14]

tá ntsìtsà'àn=y**ù** ntsìsáchuun= L .

when HAB.PFV.go=1sG HAB.PFV.work=1sG

'When I used to go to work.'

First-person singular

- When the tone of the preceding element in the verbal template is either Low or Falling: $=y\dot{u}$
- \triangleright In all other contexts, the first person is marked by $=^L$, which overwrites or modifies the final tone of the preceding element
- ► Josserand (1983) and Dürr (1987) reconstruct this pronoun as *yù'ù in Proto-Mixtec
- Paster (2010) mentions that San Juan Mixtepec Mixtec shows the same alternation between $=y\hat{u}$ and $=^L$, but it is based on formality instead of the phonological environment
- A similar alternation has been attested for Yoloxóchitl Mixtec between $=ju^{1}$ and $=^{2}$ (Castillo García 2007: 139)

$$*yù$$
[?] $\dot{u} > =y\dot{u} > =^L$

(2) Ñà ntàà meê ra mikǐ tù'v**â** tâ**â**n ñà katsí-tí. [MYUC-1042, GML, 02:39]

ñà	ntàà	meé=L	ra	mikĭ	tù'va=L
CL.GNR	true	TOP=1SG	TOP	never	IPFV.tend to=1SG

IPFV.throw=1sG REL.GNR PURP.eat=3z00

'The truth is that I normally don't give them food'

$$*yù$$
 $^{2}\dot{u} > =y\dot{u} > =^{L}$

(3) Ntă'àn inì-yù kúu ku'mî ñùñŭ. [MYUC-1042, GML, 01:54]

ntă'àn-inì=yù	kúu	ku'mí=L	ñùñǔ
PFV.like-core=1SG	POT.COP	POT.have=1sG	bee

^{&#}x27;I liked being able to have bees.'

Second-person singular non-formal

(4) Kuě tsíní ñú'ú sáchúún ra tsítsá'ŭn [MYUC-1011, JS, 01:18]

kuě tsíníñú'u=H sáchuun=H ra

NEG IPFV.have.to=2SG.NFORM IPFV.work=2SG.NFORM TOP

tsítsá'an=**ú**.

IPFV.eat=**2SG.NFORM**

'You don't have to work to eat.'

Second-person singular non-formal

- There seems to be some apparent allomorphy between $= \dot{u}$ and $=^H$
- \triangleright However, we can see how the form $= \dot{u}$ overwrites the preceding vowel:
- (5) ...ne'**ŭ** ñà kats**ŭ** káchà [MYUC-1006, JS, 01:09]

ne'ě= $\acute{\mathbf{u}}$ ñà katsí= $\acute{\mathbf{u}}$

PURP.get=2SG.NFORM REL.GNR PURP.eat=2SG.NFORM

káchì=à.
IPFV.say=3GNR

"...in order to get something to eat, he said"

Second-person singular non-formal

In fact, the $=^H$ only appears where the preceding vowel is either [u] or $[\tilde{u}]$. And so, what appeared to be allomorphy, is probably not:

(4) Kuě tsíní ñú'ú sáchúún ra tsítsá'ŭn [MYUC-1011, JS, 01:18]

kuě	tsíníñú'u= ú	sáchuun= ú	ra
NEG	IPFV.have.to=2SG.NFORM	IPFV.work=2SG.NFORM	TOP

tsítsá'an=ú.
IPFV.eat=2sG.NFORM

'You don't have to work to eat.'

First-person plural inclusive

(7) Nchíì kúu tá kutù'va-kó ra tsítú nǐnŏ nchíì vàtsŏ? [MYUC-1034, JS, 00:01]

nchíì	kúu	tá	kutù'va= kó	ra
what	COP	when	IPFV.learn=1PL.INCL	TOP

tsítú-nĭnì=**ó** nchíì vàtsi=**ó**?

IPFV.fill-core=1PL.INCL where PROG.IPFV.come=1PL.INCL

^{&#}x27;What happens when we learn and understand where we come from?'

First-person plural inclusive

- When the preceding element ends in a high vowel, $=\dot{o}$ is used and overwrites the high vowel.
- \rightarrow tsítú nǐnì 'understand' \rightarrow tsítú nǐn**ö** 'we understand'
- $> k \hat{u}' \hat{u} n \text{ 'go'} \rightarrow k \hat{o}' \hat{o} n \text{ 'we go'}$
- $\rightarrow v \dot{a} t s i$ 'come' $\rightarrow v \dot{a} t s \delta$ 'we come'

In all other contexts, the first person plural inclusive can be marked by either $=k\acute{o}$ or just $=^H$, which overwrites or modifies the final tone of the preceding element.

=kó \sim =H

(8) Ná ntasama-kó ñàà sa'mă-kó ra [MYUC-1045, JS, 01:44]

ntasama=kó ná

ñàà sa'mǎ=kó

ra

HORT POT.exchange=1PL.INCL DISC body=1PL.INCL

TOP

'Let's exchange our bodies'

(9) Ná ntasam**á** sa'm**ǎ**-k**ó** [MYUC-1006, JS, 02:29]

ntasama=H ná

sa'mǎ=kó

HORT POT.exchange=1PL.INCL body=1PL.INCL

'Let's exchange our bodies'

*kue-ó > =kó

- We hypothesize that the [k] in $=k\acute{o}$ may have its origins in the pluralizer =kue.
- This pluralizer = kue may be used with all persons in Sà'án Sàvǐ ñà Yukúnanǐ, although it is not obligatory.
- In this case, we hypothesize that the pluralizer started being used in conjunction with the pronoun $= \delta$, and later merged into becoming $= k\delta$.

=kó $\sim =$ H

(10) Sà'án-kó ra xná'**ă** nùǔ-tsi nixi viǐ ká'àn-tsi tsi xitò-tsi tsi xixì-tsi [MYUC-1047, CB, 03:16]

sà'án=kó	ra	xná'à= ^H	nùŭ=tsi	nixi
language=1PL.INCL	TOP	POT.teach=1PL.INCL	OBL=3CHILD	how

^{&#}x27;In our language, we can teach them (kids) to speak properly with their uncles and aunts.'

Third-person generic & feminine

(11) Cha văsa kuĕ níka'àn-kue-ì nîkăchă [MYUC-1009, JS, 03:19]

cha văsa kuě níka'àn=kue=ì nìkăchì=á

QT EMPH.NEG NEG NEG.PFV.speak=PLZ=3GNR PFV.say=3F

'No, they didn't say anything, she said'

Third-person generic & feminine

- > They're segmentally the same but with different tones.
- \triangleright For both pronouns, the forms $= \hat{a} / = \hat{a}$ are used when
 - > the preceding element ends in [i]
 - \rightarrow Ntsìnì 'see' \rightarrow ntsìnì-à 'he/she/it sees'
 - > the preceding element ends in [i], in which case the pronoun overwrites the last mora.
 - \rightarrow *Ki'in* 'poke/catch' \rightarrow *ki'àn* 'he/she/it pokes/catches'
 - ➤ Tiin 'grab' → tián 'she grabs'

Third-person generic & feminine

- The forms =i/=i are used in all other contexts, and overwrite the last* vowel of the preceding element
 - > ntàtsàà 'arrive' > ntàtsà**ĭ** 'she arrives'
 - > sáchuun 'work' -> sáchuìn 'he/she/it works'
 - ➤ BUT ne'ě 'get' → ni'î 'he/she/it gets'

Third-person pronouns

- Third person pronouns in Sà'án Sàvǐ ñà Yukúnanǐ are related to a set of particles often called classifiers.
- The third person feminine pronoun, for example, is related to $\tilde{n}\dot{a}$ which comes from $\tilde{n}a'\dot{a}$ 'woman', ultimately from Proto-Mixtec * $ya^{\gamma}\tilde{a}^{\gamma}$ (Josserand 1983).

Bound Pron.	Gloss	Clas.	Noun
=ì / $=$ à	generic	ñà	ñà'a 'thing'
=rà	male human	chà	chàa 'man'
=i/=a	female human	ñá	ña'á 'woman'
=tí ~=rí	animal	tí	kitĭ 'animal'
=tú	trunk	tú	yutŭ 'tree'
=rá	liquid	nchá	ntùchă 'ocean'
		kà	kàa 'metal'
=nà	plural human	nà	
=tsi	human child	su	
=tí	round	tí	
=yà	deity	yà	

Third-person pronouns

- The third person generic pronoun is related to $\tilde{n}\tilde{a}$, which comes from $\tilde{n}\tilde{a}'a$ 'thing'.
- Neither Josserrand (1983) nor Dürr (1987) reconstruct a Proto-Mixtec word for 'thing', but we can infer that it has the same segmental shape as the word for woman.

Bound Pron.	Gloss	Clas.	Noun
=ì / $=$ à	generic	ñà	ñà'a 'thing'
=rà	male human	chà	chàa 'man'
=i/=a	female human	ñá	ña'á 'woman'
=tí ~=rí	animal	tí	kitĭ 'animal'
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		kà	kàa 'metal'
=nà	plural human	nà	
=tsi	human child	su	
=tí	round	tí	
=yà	deity	yà	

$*j > n / _[+nas]$

pMx (Josserand 1983)	Sà'án Sàvĭ ñà Yukúnanĭ	Gloss
*yeni	ñanì	'brother (of a man)'
*yuũ	ñuù	'village'
*ya [?] ã [?]	ña'á	'woman'
*koyo	kŭñù	'meat'

$*j > n / _[+nas]$

pMx (Josserand 1983)	Sà'án Sàvĭ ñà Yukúnanĭ	Gloss
*yeni	ñanì	'brother (of a man)'
*yuũ	ñuù	'village'
*ya [?] ã [?]	ña'á	'woman'
*koyo	kŭñù	'meat'

pMx (Josserand 1983)	Sà'án Sàvĭ ñà Yukúnanĭ	Gloss
*teye	chàa	'man'
*we [?] yi	ve'e	'house'
*nɨyɨ̯ˀ	nìĭ	'blood'
*y ii ?	iĭ	'husband'
*y 11 ?	ìĭn	'salt'

Third-person pronouns

- These words, however, must have undergone a process of grammaticalization before the change from *j to /n/ took place:
 - Following regular sound changes in the language, *j was dropped after front vowels
 - Elsewhere, the pronoun eroded until only **j*, now /*i*/, remained

Bound Pron.	Gloss	Clas.	Noun
=ì/=à	generic	ñà	ñà'a 'thing'
=rà	male human	chà	chàa 'man'
=i/=a	female human	ñá	ña'á 'woman'
=tí ~ =rí	animal	tí	kitĭ 'animal'
=tú	trunk	tú	yutŭ 'tree'
=rá	liquid	nchá	ntùchă 'ocean'
		kà	kàa 'metal'
=nà	plural human	nà	
=tsi	human child	su	
=tí	round	tí	
=yà	deity	yà	

$$*ya^{3}\tilde{a}^{3} > *ya > =a \sim =i$$

(12) Iká kúu nùŭ ntsìnì-à nùŭ tàchĭ. [MYUC-1007, JS, 04:42]

iká kúu nùǔ ntsìnì=à nùǔ tàchǐ.

DIST COP where PFV.see=3GNR OBL devil

^{&#}x27;There is where he saw the devil.'

$$*ya^{?}\tilde{a}^{?} > *ya > =a \sim =i$$

(13) Nìni'î ñà ntsàtsí-à. [MYUC-1011, JS, 02:55]

nìnè'ě=ì ñà ntsàtsí=à

PFV.get=3GNR REL.GNR PFV.eat=3GNR

'He got something to eat.'

DISCUSSION & CONCLUSIONS

Conclusions

- Considerable allomorphy among the dependent pronouns, particularly subject pronouns, as we have discussed here
- ➤ Allomorphs that look quite different reflect different stages of segmental erosion
- This is especially true for first and second persons
- The high topicality of speech act participants, together with frequency in discourse, may be the reason why these pronouns underwent the most segmental erosion
- This shows a pathway for the emergence of grammatical tone, or tonal alternation as a device for person marking

Discussion

- Other Otomanguean languages also feature tonal inflection to mark person:
 - ➤ Zenzontepec Chatino (Campbell 2016)
 - San Miguel Huautepec Mazatec (Léonard & Fulcrand 2016)
 - Soyaltepec Mazatec (Léonard & Fulcrand 2016)
 - ► Itunyoso Triqui (DiCanio 2016)
 - Santa María Pápalo Cuicatec (Feist & Palancar 2016)
 - Yoloxóchitl Mixtec (Castillo García 2007; see also Palancar et al. 2016).
- These languages also feature tonal inflection to mark **first** or **second** person, but they do not rely solely on tone to mark the third person.
- The high discourse frequency of **first** and **second** person subjects may lead to the emergence of inflectional tone as a person marking strategy
- Stage 1: Person is encoded via an independent pronoun which bears its own tone.
- Stage 2: Frequency in discourse leads to the cliticization of these independent pronouns into dependent pronouns.
- Stage 3: The most commonly topical dependent pronouns undergo segmental erosion but maintain their tone.
- Stage 4: In some cases, particularly first and second person, the segmental erosion is complete and only the tone remains. In these cases, tonal inflection emerges.

Conclusions

- The third person generic and feminine allomorphs look more different on the surface, perhaps suppletive.
- However, with a good understanding of the historical phonology of the language (and with access to reliable reconstructions, such as those by Josserand 1983 and Dürr 1987) we can actually see that this allomorphy is due to regular sound change with some later processes of erosion
- It is not a coincidence that the generic pronoun, which can be used for any 3rd person referent in Sà'án Sàvǐ ñà Yukúnanǐ, eroded more than other third person pronouns. Frequency must have played a role.
- The feminine pronoun underwent the same sound changes and likely underwent the same processes of erosion on analogy with the generic pronoun.

¡TÁ TSÀ'VĬ-KUE-NÍ ÑÀÀ CHÁA SÒ'O-NÍ!

You can many of the primary texts used in this presentation, as well as many other resources to learn and practice Yucunani Sà'án Sàvǐ here: https://sites.google.com/view/saansavi-yucunani











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