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GENERAL OBSERVATIONS ABOUT RELATIVE CLAUSES IN MIXE-ZOQUE LANGUAGES

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The following observations are made on the basis of the data papers on relative clauses in Sayula Popoluca, Totontepec Mixe, Isthmus Mixe and Copainalá Zoque. They are preliminary observations because none of the four data papers pretends to be an exhaustive study of relative clauses in the particular language. Never-the-less it seems worth-while to make the observations at this point with the hope that further studies will sharpen the observations and relate the phenomenon in relative clauses to the rest of the grammar of the languages involved.

- 1. NOMINALIZED CLAUSES. The clause is introduced by a demonstrative pronoun or a demonstrative pronoun acting as an article. The verb of the relative clause has a nominalizing suffix. Clauses of this type are used in Copainalá Zoque and Isthmus Mixe. (They are also reported for Sierra Popoluca.) The nominalized clause has a certain independence of its 'antecedent'. It may occur without an 'antecedent' or in apposition to it; it may be juxtaposed to the 'antecedent' or it may be discontinuous to it.
- 2. RELATIVE PRONOUNS. The relative clause in Sayula Popoluca and Totontepec Mixe is introduced by a relative pronoun,
 related in form to the corresponding interrogative pronoun.
 Zoque also has clauses introduced by a relative pronoun, but
 these seam to be less central to Zoque structure than the nominal-

ized clause. The verb in the clause introduced by the relative pronoun is subordinated in some z way. In Sayula Papoluca and in Totontepec Mixe the verb is in the 'conjunct' form. There are exceptions to this generalization in Tlahuitoltepec Mixe, where some relative pronouns call for the 'conjunct' form of the verb but others call for the 'nonconjuct' form. Zoque clauses with relative pronouns don't have any difference in the verb in the relative clause.

- 3. SYNTACTIC ROLE IN MAIN CLAUSE. The relative clause may modify nouns with differing syntactic functions in the main clause: they may modify the subject or the object or even a locational or temporal noun. When there is no overt antecedent they may stand alone as the subject or object, etc.
- 4. SYNTACTIC ROLE IN RELATIVE CLAUSE. The relative pronoun which introduces the relative clause may have differing functions within the relative clause. That syntactic function is indicated in the verb, by pronominal affix or by an affix marking a further participant such as the beneficiary of an the action or the instrument used to perform the action. The syntactic function of the relative pronoun may also be signaled by the ergative suffix on on one of the clause elements or by a possessive prefix on a noun.
- 5. REFERENTIAL RELATIONS BETWEEN RELATIVE AND MAIN CLAUSE.

 If the subject of the main clause is subject or object of the relative clause, this fact may be marked (as in the case of Totontepec Mixe) by the choice of pronominal affixes. This is true of those that differentiate a third person of higher rank operating

on a third person of lower rank from the reverse situation where a Kukikutxuf third person of lower rank operates on a third person of higher rank. The subject of the main clause counts as the person of higher rank. Sayula Popoluca, makes this distinction.

- 6. OVERT OR COVERT ANTECEDENT. It is not uncommon to have no overt antecedent, perhaps because the verb includes so much information marked in its morphology.
- 7. ABERRANT RELATIVE CLAUSES. The temporal relative clause in Zoque has the supposed 'antecedent' following the temporal relative pronoun.
- 8. ADVERBIAL RELATIVE CLAUSES. The locative relative clause is quite parallel to the adjectival relative clauses in that it often modifies an overt locative element. The temporal and manner relative clauses parallel the locative clause in that all are introduced by tem relative adverbs and these parallel the the-interrogative adverbs, but the temporal and manner adverbial relative clauses rarely have an overt antecedent. This fact often results in their analysis as subordinate clauses rather than relative clauses.
- 9. NONRESTRICTIVE RELATIVE CLAUSES. These do not pattern at all as relative clauses in Mixe-Zoque languages. Additional, nonrestrictive, information is expressed by a juxtaposed or conjoined clause.
- 10. EXTRAPOSITION AND RELATIVE CLAUSE. No data was presented about nominalized or relative clauses that are used in constructions with an extraposed topic. This is one of many aspects of relative clauses still to be investigated.

RELATIVE CLAUSES IN SAYULA POPOLUCA Lawrence Clark (80)

Relative clauses in Sayula Popoluca are introduced by a relative pronoun: pun 'who', jeme 'he who', ti 'what' and loque (Spanish) 'that which'. The verb in the relative clause is a subordinate one. The verb ends in the relative indicator—ay. The subordinate verbs take a different set of person markers from that of the independent verbs (see Clark 1961: 194-5; 1962; 184-5).

The relative clause can modify nouns with a variety of syntactic functions in the main clause. The relative pronoun can have a variety of syntactic functions in the relative clause.

(1) The relative clause modifies the object of the main clause; the relative pronoun is the subject of the relative clause.

tun-iš aye jayau jeme minw-ay

I-saw the man who he-came-REL

'I saw the man who came.'

- (2) The relative caluse modifies the subject of the main clause; the relative pronoun is the subject of the relative clause. ayé jayau jeme minw-ay, ayé tan-ajch the man who he-came-REL the my-uncle 'The man who came is my uncle.'
- (3) The relative clause modifies the object of the main clause; the relative pronoun is the object of the relative clause.

 tun-is ayé jayau jeme mi iniscap-ay

 I-saw the man whom you you-know-him-REL
 'I saw the man whom you know.'

5->5

- (4) The relative clause modifies the subject of the main clause; the relative pronoun is the object of the relative clause.

 ayé jayau jeme mi iniscap-ay mimp jinap

 the man who you you-know-him, he-comes today

 'The man whom you know is coming today.'
- (5) The relative clause modifies the object of the main clause; the relative pronoun is the possessor of the subject of the relative clause.

tun-munipajtuu ayé jayau jeme igui-o'jcaw-ay i-pagaš

I-met-him the man who it-died-to-him-REL his-cow
'I met the man whose cow died.'

(6) The relative clause modifies the object of the main clause; the relative pronoun is the indirect object of the relative clause.

tun-munipajtuu ayé jayau jeme išto'jcaw-ay tu'k pagaš

I-met-him the man who you-sold-it-to-him-REL a cow
'I met the man to whom you sold a cow.'

(7) The relative clause modifies the object of the main clause; the relative pronoun is the associative subjectof the relative clause.

tun-munipajtuu ayé jayau jeme in-muyoswatp-ay

I-met-him the man who you-work-with-him-REL

'I met the man you work with.'

There is a Sayula Popoluca proverb that uses a relative clause. The prefix on the verb in the relative clause, i-, is that for a

Sayula Popoluca (Clark) 3

a third person acting on a fourth person (of lower rank, in this case an animal); the prefix on the verb in the independent clause, igui-, is that for a fourth person acting on a third person (of higher rank, in this case a human).

(8) Jeme i-ago cp-ay cajau, igui-ago cámpey cajau

-REL

he who he-kills-him tiger, he-will-kill-him tiger

'He who kills a tiger will be killed by a tiger.'

Relative clauses may appear without an antecedent to serve as a nominalized clause. A derived noun may be formed by suffixing -na' to the relative form of the verb or predicate adjective.

- (9) a. yoswatp 'he works'
 - b. jeme yoswatp-ay 'he who works'
 - c. yoswatpay-na' 'the worker'
- (10) a. tsabats 'red'
 - b. tsabats ayé 'it is red'
 - c. jeme tsabatsw-ay 'that which is red'
 - d. tsabatsway-na' 'the red one'
- (11) tun-ma'cs jeme tsabatsw-ay my-dress which is-red
- (12) tun-wamp tsabatsway-na' I-want-it the-red-one
- (13) a. tun-wamp tun-tsabatsway ma'cs

 I-want-it my-which-is-red dress (less common)
 - b. tun-wamp tun-tsabats ma'cs

 I-want-it my-red dress (more common)

Sayula Popoluca (Clark) 4

There are some lexical items which have a frozen relative indicator -ay.

- (14) na[?]w-ay old man
- (15) to? s-ay woman
- (16) kiš-ay young woman (virgen)

RELATIVE CLAUSES IN TOTONTEPEC MIXE Alvin Schoenhals (4/80)

Relative clauses are introduced by a relative pronoun, the most common ones being hu:? 'who/which', pen 'who' and pen haty 'whoever'. The relative pronouns are related to the corresponding interrogative pronouns. The relative clause usually follows the noun it modifies, although a short relative clause may precede the noun.

One function of the relative clause is prevent a large number of modifiers from clustering before the head noun. All but one of a string of modifiers is postposed to the noun via a relative clause. The stative clauses thus postposed, as stative clauses elsewhere in Totontepec Mixe, do not have a copula verb.

(1) hae mehi tehk hu:? po:?p hæc teha me:t the big house which white and tiles with 'The big white tiled house'

There are two contrastive clause types in Mixe: stage and event (Schoenhals 1979), which are inflected for person and tense by two different sets of markers. A relative clause belongs to the system of the stage clause.

If the relative pronoun functions as the subject of the relative clause it has the same subject prefix as the verb in the corresponding independent clause.

(2) Juan hæ ši:št di-pe:m

John the chest he-made

'John made the chest.'

(3) Juan ša hæ?æ ve?e hu:? hæ ši:št dɨ-pə:m

John equative he --- who the chest he-made

'John is the one who made the chest.'

On the other hand, if the relative pronoun is the object of the relative clause, the verb is inflected with the pronominal object prefix y-, which metathesizes with the first consonant of the verb word.

(4) ye?e ša hæ?æ ve?e hæ ši:št hu:? Juan p-y-e:m

this equative it --- the chest which John he-made-it

'This is the chest which John made.

When first person occurs in the relative clause, the verb is inflected for first person, whether subject or object. When second person occurs in the relative clause and first person does not, the verb is inflected for second person, whether subject or object. This is due to the person ranking system of Mixe (see Schoenhals 1979 for more details).

- (5) First person transitive subject n-.

 Juan ša hæ?æ ve?e hu:? ec n-cenkp

 John equative he --- who(m) I/me I-like-him

 'John is the one whom I like.'
- (6) First person object š-.

 Tuan ša hæe?æ ve?e hu:? ec š-cɔhkp

 John equative he --- who(m) I/me he-likes-me

 'John is the one who likes me.'
- (7) Second person transitive subject m-.

 Juan ša hae?æ ve?e hu:? mic m-cehkp

 John equative he --- who(m) you you-like-him
 'John is the one whom you like.'

Totontepec Mixe (Schoenhals) 3

Juan ša hæ?æ ve?e hu:? mic m-cohk-hu-p

John equative he --- who(m) you he-likes-you

'John is the one who likes you."

when the object of the relative clause is anaphoric and both subject and object are third person, the verb is inflected with the third person transitive marker Ø- ... -hu. This form of the verb of the main clause has the prefix di-; toward the object.

(9) The relative clause verb is inflected for third person transitive subject with the object outside the relative clause: Ø- ... -hu.

Juan ce?e di-ci:?k hæ meš hu:? Ø-cohk-hu-p

John_--- he-hit-him the boy who he-likes-him

The following examples illustrate the different possibilities of relationship between the participants of the relative clause and those of the independent clause.

'John hit the boy who likes him (John).'

- (10) The main clause is marked by the third person prefix diand the verb is the relative clause is marked by diantered and the verb is the verb is
- (11) The main clause verb has the prefix di-; the relative clause verb has the prefix y- (which metathesizes with the first consonant of the verb word).

 Juan ce?e di-ci:?k hae meš hu:? hae ki:š c-y-ehkp

 John --- he-hit-him the boy who(m) the girl she him j

 'John hit the boy whom the girl likes.'

- (12) The verb of the main clause has the prefix y-;

 the verb of the relative clause has the prefix di-.

 Juan ce?e cyy-i:?k hæ meš hu:? hae ki:š di-cohkp

 John; --- he-hit-him the boy; who(m); the girl he-likes-herk

 'The boy who likes the girl hit John.'
- (13) The verb of the main clause has the prefix y-; the verb of the relative clause has the prefix y-.
 Juan ce?e c-y-i:?k hae meš hu:? hæ ki:š c-y-ehkp
 John; --- he-hit-him the boy; who(m); the girlk sheklikes-him;
 'The boy whom the gil likes hit John.'
- (14) The verb of the main clause has the prefix y-; the verb of the relative clause has the prefix \$\phi-\dots\to -\dots\to -\

Schoenhals, Alvin. 1979. Totontepec Mixe stage and event clauses. Discourse Processes 2,57-72.

ISTHMUS MIXE RELATIVE CLAUSES

Norman Nordell (4/80)

1. NOMINAL RELATIVE CLAUSES. Nominal relative clauses are marked by two features: (1) they begin with a relative pronoun which relates to a noun or noun phrase in the main clause; (2) the clitic -pi is present in the clause and is usually, but not always, attached to the end of the verb.

Relative pronouns may be identified with the definite (or demonstrative adjudice)
articles, that may optionally precede a noun in a noun phrase.

The relative pronouns (née definite articles) are:

?idá: 'this', 'this one who', etc.

y that', 'that one who', etc.

ha, ha: 'the', 'the one who', 'he who'.

In example 1 ha is marked by the verb to be the agent.

(1) mo·ktahí: mi·biky hể yñi·ni·mfy [hẩ
corn-nagual actually he he-talks-about that-which
mo·k ha·ncy ti?m yag?oyi:bi]
corn very much he-causes-it-to- prosper
'It is the spirit of the corn that he is actually talking
about, the one that causes the corn to produce abundantly.'

In example 2, yi is marked by the verb to be the direct object.

hiyay?ahŝy hida?at̂y (2) h±du?n hà yminany ma: thus the people these-days say where у÷ libro yminnin, yi hermano?ah\$y that book comes the-one-which the-brothers

ym̂i·wiwidili<u>pi</u>

they-walk-around-with-it

'That is what people say these days about that book the evangelicals are involved in teaching.'

In example 3, the first person is marked in the verb to be the agent and ha is marked to be the direct object.

- 2. ADVERBIAL RELATIVE CLAUSES. Adverbial relative clauses are marked by the presence of the clitic -in, which usually but not always is attached to the end of the verb. (In this section the clitic -in will be underlined.) Relative adverbs are identical to interrogative adverbs. An adverbial pronoun may occur in the main clause as the antecedent of the relative clause.
 - 2.1. LOCATIONAL RELATIVE CLAUSES.

In example 4, the main clause is an adverb functioning as a stative clause.

(4) [ma: ha tu yñaziyin]

where the trail it-passes-that-way
tunbagic he

at-the-side-of-a-hill it-is

'It is at the side of the hill that the trail passes.'
or 'The trail skirts the side of a hill.'

- (5) hi:?a:mpy ha: salvaje y?ištay

 over-that-way the dragon he-looks-for-him

 ma: he ñikšiyin.]
 where he he-goes-that-way
 'The dragon was looking for him over that way where

 (he thought) he had gone.'
- (6) tu he y'išta:py [ma: ha: wah trail he he-looks-for-him where the cattle yni.gidagin] ko: 'ahŝyyni:'uky they-gather-together when they they-drink-water 'He looks for the trail that the cattle follow to the water hole.
- 2.2. TEMPORAL ADVERBIAL CLAUSES. Temporal adverbial clauses are very rare in texts. They are usually supplanted by ko:-initial clauses (see ex. 6).
 - (7) [mina: ha na·šwi·mbi y?a·wiĥĥin ti?štagin,
 when the earth it-was-created
 kabi pin ?inahty hi:.
 not no-one PERFECT there

'Nobody existed yet when the world was created.

In example 8, the manner adverb is used instead of the temporal adverb.

(8) [nepy ha: conejo yĥa wohpin],

as the rabbit was-tried-to-be-hit

paki conejo ypikpiyi?ky

quickly rabbit he-ran-in-a-circle

'When (the dragon) tried to hit the rabbit, the rabbit ran around him quickly.'

- 2.3. MANNER RELATIVE CLAUSES.
- (9) ?a: ha: midihk, ha miki:py
 and the man in-vain he-gets-strong

 yhot he ko: niksy/woba.mbi,
 his-heart he that he-goes he-hits-too

 [nepy ha conejo ymiwopin]
 as the rabbit he-was-hitting

 'The man was getting up courage to go and hit (the dragon) too as the rabbit was doing.'

In example 10, a ko:-initial clause functions as a temporal relative clause.

(10) minitigie he yîipštaky [nep he then he he practices-jumping how he to yîuganin ko: wah yñažani he-will-cut-it when cattle they-will-pass
'Then he began to practice jumping like he was going to cut off (the testicles) when the cattle passed by.'

4.2 Relative clauses:

113 Appositional use Relative Clause with a nominalized verb.

The most common way to express relative clauses in Zoque is very in the clause to nominalize the word that stands in apposition to the head noun or antecedent. This is done by adding the nominalizing suffix -pa/-wa to the word in apposition. This nominalized word may precede or follow the antecephent. The clause with the nominalized very in usually introduced by the anticle te'.

- (1) Ngenu'as [te' minupa] pan.
 I-saw-him the one-who-came man
 I saw the man who came.
- (2) Ngenu'as te' pan, te' minupa ta'ak]
 I-saw-him the man the one-who-came yesterday
 I saw the man who came yesterday.

The relative clause in the first example te' minupa "the one who came" precedes the antecedent pan "man" and in the second example the relative clause te' minupa ta'ak "the one who came yesterday" follows the antecedent pan "man".

A relative clause may stand in apposition to the subject or object of the sentence.

- (3) Te' pan [tihupa ta'ak, 'Aste' ndzani. the man one-who-came yesterday my-the my-uncle The man who came yesterday is my uncle.
- (4) Ngenu'as te' pan, [te' 'ispakpapamis]
 I-saw-him the man the one-whom-you-know
 I saw the man whom you know.

In the first example the bracketed relative clause stands in apposition to the subject pan "man" and in the second example the bracketed relative clause is in apposition to the object pan "man".

when a nominalized word is formed from a transitive verb by the addition of the suffix -ph/-wh, the resultant form refers to the object of the verb: chkuph "one that was made".

hicami

who so the way to the us

(5) Te' tak [čahkupa Te' tak [čahkupa te' pa'nis] suñipate'.
the house one-that-was-made the man pretty-one-the The house that the man made is pretty.

When the suffix -'is/-'s is added to the nominalized word, the resultant form refers to the subject of the verb: cankupa's "one who made 1t".

Te' pan cankupa's tyak 'aste' ndzani. the man one-who-made-it his-house my-the my-uncle. The man who built his house is my uncle. (6) Te' pan Cahkupa's

More examples from the outlines

(7) Ndzonu'as te' pan ka'upa's wyakas. I-met-him the man one-who-died (poss.) his-cow I met the man whose cow died.

The normal way to say "I met the man to whom you sold a cow" would be "I met the man who bought your cow."

(8) Ndzonu'as te' pan hyuyupa's mis nwakas.]
I-met-him the man one-who-bought-it your your-cow

The normal way to say "I met the man because of whom you don't have a job" would be "I met the man who took away your work."

(9) Ndzonu'as te' pan yahaka'hayupa's mis nyosi I-met-him the man the-one-who-took-away-from your work

12 Relative Clause introduced by a relative pronoun. introduced by a relative pronoun This type of relative clause seems to be influenced by Span-

ish syntax.

'Iwa is the chief relative pronoun used as a relative clause

introducer.

I met the man with whom you work.

(0) a Ndzonu' As te' pan ['lwahi'nmih nyospa.]

I-met-him the man who-with-you you-work

I met the man with whom you work.

intrand (11)a. Ndzonu'As te' pan 'iwakotoyamih nyospa. Ub. te' nyospa pri kotoya mih
intrand (11)a. I-met-him the man who-for-you you-work " the you-work Nom for you

I met the man for whom you work I met the man for whom you work.

Another belative pronoun that has been observed as a clause

and the clause the clause of the vert on the vert on the clause in the article to an in 10 a and 11 a. Here and the day he article is no nominally end of them and the article to as in 10 a and pronound when a trouble and in troduced by 11 b.

"all, as many as". In this case the verb in the relative clause has the nominalized Suffix

(12) Ngoyohwa'mis mumu huhče'n yohšahupi ngamo'mol.
I-already-paid all as-many-as ones-who-worked my-cornfield-in
I already paid all those who worked in my cornfield.
Relative Clause indicated by locative suffix on verb.

- (3) Another kind of relative clause is that which expresses location, "the place where" something happened. This "where" idea is expressed by a suffix -may on the verb.
 - (13) Manba'Ah ndzinu sawa meya'ohmo wombamAy nA'.]
 I'm-going to-bathe Wind Lake-in where-springs-forth water
 I'm going to bathe in Wind Lake where water bubbles out.
 - (/4) Nipyahumay te'aksah nahayahpa aksatak where-they-planted the cane they-call-it canefield A canefield is where they plant cane.

In the first example, the antecedent is sawa meya ohmo "Wind Lake" and the relative clause is bracketed [wombamay na'] "where water bubbles out".

In the second example, the antecedent is 'aksatak "canefield" and the relative clause is bracketed [nipyahumay te' 'aksah] "where they planted the cane".

[In the second example, the antecedent is 'aksatak "canefield" and the relative clause introduced by the pronoun tiyh.

[In the second example, the antecedent is 'aksatak "canefield" and the relative clause introduced by the pronoun tiyh.

The Zoques have a way of expressing the "time when" something doze not parallel The other happened, but it is not a true relative clause. They do not say

"the day that something happened" but literally "what day". The verb in The relative clance of the property of the pay of the pay-I-you the nominalizery of the pay that you finish my house, I'll pay you.

The verb in The relative clance of the pay in the pay-I-you the nominalizery of the pay-I-you the pay-I-y

Low Level 1 "

Note that there is no antecedent to "what day" tiya hama. To clauses by the relative and nonrestrictive:

The relative clause in Zoque would always seem to be restrictive, in that it refers only to the one or ones included in the allowed word. In order to express the nonrestrictive idea of clauses in the posed all being included, a relative clause would not be used. Using the example in the outline it might be expressed as follows:

All linguists tire easily and never seem to finish.