

Conceptual bases and structural correlates of government

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- E1
- APPLE (x): 'apple' applies to x; x is an apple
 - GREEN (x): 'green' applies to x; x is green
 - SLEEP (x): 'sleep' applies to x; x sleeps
 - ABOVE (x, y): 'above y' applies to x; x is above y
 - ELDER_BROTHER (x, y): 'y's elder brother' applies to x; x is y's elder brother
 - ELDER_BROTHER (x, y): 'x is y's elder brother' applies to y; y is such that x is his elder brother
 - GIVE (x, y, z): 'x gives y to z' applies to z; z is given to y by x

Table 1. Pronominal indices on predicates in Yucatec Maya

number person	singular	plural
1st	<i>u suku 'n-en</i> I am his elder brother	<i>u suku 'n-o 'n</i> we are his elder brothers
2nd	<i>u suku 'n-ech</i> you are his elder brother	<i>u suku 'n-e 'x</i> you are his elder brothers
3rd	<i>u suku 'n</i> he is his elder brother	<i>u suku 'n-o 'b</i> they are his elder brothers

E2
Yuc "Eyah, pa't-ik-e'x-i', taat-e'x!"
hey wait-INCMPL-2.PL-LOCF sir-2.PL
k-u t'aan le chaan áak-o'.
IMPF-SBJ.3 speak(INCMPL) DEM little turtle
"Hey, wait there, gentlemen!" said the little turtle. (ts'oon_062)

E3
Yuc Ba'xten túun ma' uts t-a t'aan-e'x-i'
why then NEG good LOC-POSS.2 speech-2.PL-NEGF
in waalak' ba'lche'-e'x?
POSS.1.SG domestic.animal animal-2.PL
Why then don't you like her, my animals? (ts'oon_110)

Classes of notions which are generally conceived as relational:

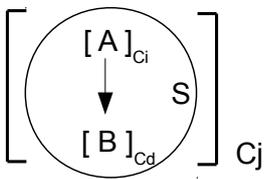
- Situation types involve participants in diverse semantic roles:
 - a property involves a participant that bears it, and possibly another entity with respect to which it bears it; e.g. GREEN (x), RESEMBLE (x, y);

- b) a state involves a participant that is in it, and possibly other entities involved in different roles; e.g. WET (x), ANGRY (x, y), SIT (x, y), OWE (x, y, z);
 - c) a (non-agentive) process involves a participant undergoing it, and possibly another participant; e.g. MELT (x), DREAM (x, y);
 - d) an action involves a participant controlling it, and possibly other participants; e.g. RUN (x), BEAT (x, y), EXPLAIN (x, y, z);
 - e) a (non-agentive) event involves a participant undergoing it and possibly another one; e.g. BURST (x), SNEEZE (x), FALL (x, y), FORGET (x, y);
 - f) an act involves a participant controlling it, and possibly other participants; e.g. HOP (x), HIT (x, y), SAY (x, y, z), PAY (x, y, z).
2. Relatives involve an animate being that they bear that kin relation to; e.g. NIECE (x, y).
 3. A part of another entity involves its respective whole; e.g. HEAD (x, y).
 4. A spatial region involves a physical object that possesses it; e.g. TOP (x, y).
 5. A number involves a set of entities whose cardinality it is; e.g. THREE (x).

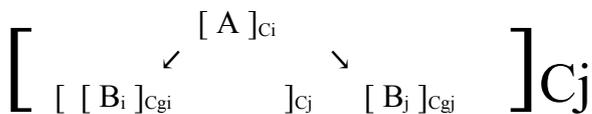
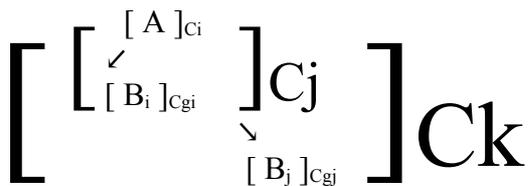
- E4
 - a. Linda was president / blue.
 - b. We elected Linda president.
 - c. We painted Linda blue.
- E5
 - a. Linda stood there.
 - b. Linda went upstairs.
 - c. Linda put the bag down/here.
- E6
 - a. Linda behaved badly.
 - b. Linda treated her students condescendingly / as if they were children.

Diagram 1. Empathy hierarchy

position	property
1	speech-act participant
2	other human being
3	animal
4	individual object
5	non-individual object
6	place
7	proposition

Diagram 2. *Dependency*

1. The category of S (C_j in Diagram 2) may be identical to the category of A (C_i). Schematically: $[[A]_{C_i} [B]_{C_d}]_{C_i}$. That entails that S is endocentric.¹ That is, elements of the category C_d may again be combined with S, and the category of the resulting syntagma will again be C_i . In other words, B – or its category C_d – contributes nothing to the categorization of S (as C_i). This dependency relation is **modification**, where B modifies A. The potential of members of C_d to modify a member of C_i is a grammatical property of C_d .
2. There are three distinct categories C_i , C_d , C_j as follows: $[[A]_{C_i} [B]_{C_d}]_{C_j}$. Thus, C_j is exocentric;² the combination of A with B converts the syntagma into the category C_j . A member of C_i may only combine once with a member of C_d .³ This dependency relation is **government**,⁴ where A governs B. The potential of members of C_i to govern members of C_d is a grammatical property of C_i .

Diagram 3: *Stacked government*

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- 1 Contrary to canonical American structuralism (e.g. Hockett 1958:184f) and in consonance with modern understanding, the notion of endocentricity is restricted to constructions which have exactly one head. Thus if, in the formula above, $C_m = C_l$, then the relation is not one of modification, and the construction is not endocentric.
 - 2 Hockett (1958, ch. 22.2) does not hesitate to subsume governing constructions under exocentric constructions. Quite a few more contemporary authors subsume them under endocentric constructions, occasionally admitting some degree of imprecision there. Cf. also Van Valin 1987:373-375. On the other hand, there is sometimes a supposition (e.g. Van Valin 1987:373) that an actant in a dependent-marking construction (i.e. one whose case is governed) is obligatory, while an actant in a head-marking construction (i.e. one without case) is optional. By the same token, the former construction is exocentric, the latter endocentric (o.c. 375). Actually, both constructions are exocentric, since the syntagma constituted by the dependency relation does not combine again with a dependent in the same relation and therefore belongs to a different category than its head.
 - 3 Zwicky (1985:13) claims that the head of a construction – including a government construction – is “of the same general type” as the construction as a whole. If this notion could be made explicit, it would probably be useful.
 - 4 Matthews 1993:101ff prefers ‘complementation’ to ‘government’.

E7 [[gab]_{Vditr} [dem Jungen]_{NPdat}]_{Vtr} [das Geschenk]_{NPacc}]_{Vintr}
 German gave the boy the present

E8 I showed the guest the housemaid.

List of categories that recur in languages with the potential of governing complements:

- a) verbs, e.g. *rain, sleep, hit, give, bet*
- b) relational nouns, e.g. *mother, top, name*
- c) relational adjectives, e.g. Engl. *worthy (of), angry (with), available (to)* (Moravcsik 1993:707)
- d) adpositions (which are relational adverbs), e.g. *beneath, before, despite*; these may include conjunctions, e.g. *before, although*⁵
- e) numerals.

E9 Der Rotwein bekam ihr schlecht.
 German the red:wine became her bad
 ‘The red wine did her bad (disagreed with her).’

E10 a. She wants to sleep.
 b. She will sleep.

E11 a. I guessed that it was Irvin.
 b. *I guessed Irvin.

E12 a. The red and the green car collided.
 b. *The green car collided.

E13 a. Linda poured milk into the glass.
 b. *Linda poured a lump of sugar into the glass.

E14 Mary-ga naihu-de John-o sisi-ta
 Jap Mary-NOM knife-INST John-ACC stab-PRT
 ‘‘Mary stabbed John with a knife.’’

E15 Maria Iohannem cultro percussit.
 Lat Mary:NOM.SG John:ACC.SG knife:ABL.SG stab:PRF:3.SG

E16 a. Linda put the pencil in the desk.
 b. Linda put the pencil on the desk.
 c. Linda put the pencil away.
 d. *Linda put the pencil.

⁵ Hockett (1958:192f) subsumes adpositional and conjunctive government under one common construction type which he opposes to verbal government (‘objective constructions’).

- E17 Linda metió el lápiz (en el escritorio).
Span Linda stick:PST:3.SG DEF.M.SG pencil in DEF.M.SG desk
'Linda stuck the pencil (in the desk).'
- E18 Meine Freunde wachten auf.
German my:NOM.PL friend:PL wake:PST:3.PL up
'My friends woke up.'
- E19 H ah-o'b in láak'-o'b
Yuc PRFV wake(CMPL)-ABS.3.PL POSS.1.SG friend-PL
- E20 teen-e' t-in wah-s-o'b in láak'-o'b
Yuc me-TOP PRFV-SBJ.1.SG wake(CMPL)-CAUS-ABS.3.PL POSS.1.SG friend-PL
'I woke my friends up'
- E21 A proper consideration ... has made us less urgent and peremptory in our demands for justice, than duty ... would ... have required. (*The addresses and messages of the presidents of the United States ...*; p. 414)
- E22 I have come and gone as my other activities have required.
(ambergriscaye.com/pages/town/article18.html, consulted 24/08/2011)
- E23 We always receive our orders on time, and Glenda is able to do somewhat rushed orders when we have required, but maintains a superb level of quality.
(www.jadedlittlepages.ca/)
- E24 domos abeamus nostras
Latin house(F):ACC.PL off:go:SUBJ.PRS:1.PL our:F.ACC.PL
'let's go to our homes' (Pl. Poen. 814)
- E25 ut ab urbe abesset
Latin that from city(F):ABL.SG off:be:IMPF.SUBJ:3.SG
milia passuum ducenta
thousand(N):ACC.PL pace(M):GEN.PL two:hundred:N.ACC.PL
'that it was 200,000 paces away from the city'
- E26 a. Caesar Hannibali epistulam misit.
Latin Caesar(M.NOM.SG) Hannibal(M):DAT.SG letter(F):ACC.SG send:PRF.IND:3.SG
'Caesar sent Hannibal a letter.'
- b. Caesar adHannibalem epistulam misit.
Caesar(M.NOM.SG) to Hannibal(M):ACC.SG letter(F):ACC.SG send:PRF.IND:3.SG
'Caesar sent a letter to Hannibal.'
- E27 Cesar envió una carta a Anibal.
Span Caesar send:PST:3.SG IND:F letter(F) to Hannibal(M)

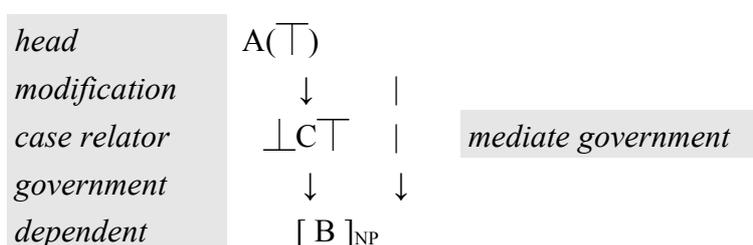
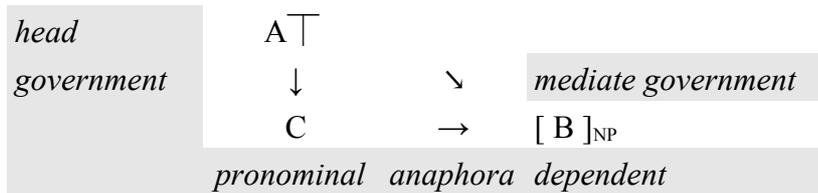
Diagram 4. *Mediate government by case relator*

Diagram 5. *Mediate government by cross-reference*

Structural formation of semantic relationships

1. The members of the subset become grammatical slots for complements, among them actant slots.
2. Optionally, one of the actant slots is marked as the primary slot.
3. The primary slot is either a referential or a predicative slot.
 - a) If it is a referential slot, the stem is a noun stem.
 - b) A predicative slot is optionally specified as modifying.
 - i. If it is, the stem is an adjective or adverb stem.
 - ii. Otherwise, it is a verb stem.

In other words, a verb stem is a stem with neither a referential nor a modifying slot. This leaves open the following possibilities:

- It has no grammatical slots at all, i.e. it has no valency.
- It does have grammatical slots, all of them being complement slots.
- One or none of the grammatical slots is a predicative slot.

The primary slot is occupied, semantically, by the argument that the notion applies to as a semantic predicate. Syntactically, it is occupied depending on its further specification:

- a) If it is a referential slot, it may be occupied by the noun itself. In languages like English, that entails that it disappears as a grammatical slot.
- b) If it is a predicative slot, then
 - i. if it is a modifying slot, it is occupied by the modificatum,
 - ii. otherwise, by the subject.

E28 grandparent – grandchild

E29 a. I am her aunt

b. She is my niece.

E30 borrow – lend

E31 a. Linda sold those books in two days.

b. Those books sold in two days.

E32 lend - be lent

E33 Mit diesem Brief hat es eine besondere / folgende / keine Bewandtnis.

German with this letter has it a particular following no significance
'This letter has a specific / the following / no significance.'

E34 Mit diesem Brief hat es folgendes / nichts auf sich.

German with this letter has it following(N) nothing on itself
'This letter has the following / no remarkable background.'

E33' Dieser Brief hat eine besondere / folgende / keine Bewandtnis.

E34' Dieser Brief hat folgendes / nichts auf sich.

E35 Dein Rücklicht tut's nicht.

German your backlight does it not
'Your backlight is not working.'

Grammatical relations and propositional operations

- Reference occupies an argument position. It is, thus, sterile in terms of grammatical relationality.
- Modification is based on predication; it is subordinate predication.
- Government is the relation which is neither based on reference nor on predication. It is, thus, neutral as to the propositional acts.

E36 The farmer kills the duckling.

E37 a. h ah-ech

Yuc PRFV wake(CMPL)-ABS.2.SG
'you woke up'

b. t-in wah-s-ech

PRFV-SBJ.1.SG wake(CMPL)-CAUS-ABS.2.SG
'I woke you up'

E38 t-in wiknal (yaan-ech)

Yuc LOC-POSS.1.SG nearness EXIST-ABS.2.SG
'(you are) at my place'

E39 in watan(-ech)

Yuc POSS.1.SG wife-ABS.2.SG
'(you are) my wife'

E40 Erna verkaufte dem Teufel ihre Seele

German Erna sell:PST:3.SG DEF:DAT.SG.M devil her:ACC.SG.F soul

für / gegen / um / zum Preise von
for / against / for / at:DEF:DAT.SG.M price:DAT of

ein(em) Leben in Luxus.

IND.N.SG.ACC/DAT life in luxury

'Erna sold the devil her soul for a life in luxury.'

- E41 Erna vertraute ihrem Ehemann / auf ihren Ehemann.
 German Erna trust:PST:3.SG her:DAT.SG.M husband / on her:ACC.SG.M husband
 ‘Erna trusted her husband’
- E42 Erna erinnerte sich ihres Ehemanns / an ihren Ehemann.
 German Erna remember:PST:3.SG REFL her:GEN.SG.M husband / at her:ACC.SG.M husband
 ‘Erna remembered her husband’
- E43 a. Die Gruppe folgt ihrem Führer.
 German DEF:NOM.SG.F group follow:3.SG her:DAT.SG.M guide
 ‘The group followed their guide.’
- b. Der Donnerstag folgt auf den Mittwoch.
 DEF:NOM.SG.M thursday follow:3.SG on DEF:ACC.SG.M wednesday
 ‘Thursday follows on wednesday.’
- E44 a. Erna läuft im Wald.
 German Erna run:3.SG in:DEF.DAT.SG.M wood
 ‘Erna runs in the wood.’
- b. Erna läuft in den Wald.
 Erna run:3.SG in DEF:ACC.SG.M wood
 ‘Erna runs into the wood.’

folgen 1) + dat: follow; 2) + auf + acc.: come after

in 1) + dat.: [inessive]; 2) + acc.: [illative]

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