Linguistics 611 Spring 2013

Government

(Thanks to Željko Bošković for much help with this HO)

Government/barriers have been argued to be involved in at least the following:

- A. θ -role assignment
- B. Case assignment
- C. Conditions A and B of the Binding Theory
- D. Distribution of PRO (which, in the theory under discussion, follows from Conditions A and B)
- E. Locality restrictions on movement and licensing of traces (ECP)
- F. Distribution of null heads

Core X-bar theoretic configurations seem to suffice for θ -theory: A head can only θ -mark its complement and its specifier.

For Case theory, again, core X-bar theoretic configurations seem to suffice. For example, a transitive verb assigns accusative Case to its complement; finite Infl (i.e., Agr-Tense amalgam) assigns nominative Case to its Spec. The only exception appears to be Exceptional Case-Marking, where a V assigns accusative Case to the Spec of its complement. However, essentially following Postal (1974), Lasnik and Saito (1991) show that Exceptional Case-Marking also takes place in a core X-bar theoretic configuration, namely Spec-Head agreement, following A-movement of the ECM subject into the Spec position of an Agr head in the higher clause. Case assignment to an object might also be instantiated in this configuration. [More recently, though, evidence has emerged that this raising is optional, so we still might need Case assignment 'under government'.]

Binding Theory: Governing Category. The Governing Category for α is the minimal XP containing α , a governor of α , and a SUBJECT accessible to α . [[See Appendix.]]

Condition A effects might, instead, follow from locality restrictions on movement and licensing of traces, under an LF anaphor movement theory (see Lebeaux 1983, Chomsky 1986, Pica 1987). Potential problem: *John thinks that himself likes Mary vs. Who thinks that who likes Mary. Potential solution: unselective binding for wh-in-situ in English.

Condition B: Do we need the notion of governing category to describe the distribution of pronouns? Would it be enough to just say that pronouns do not tolerate clause-mate antecedents?

- (1) *John; likes him;
- (2) *John, believes him, to be crazy
- (3) John, believes that he, is crazy

PRO: Under the null Case approach to the distribution of PRO (see Chomsky and Lasnik 1993, Martin 1996, Bošković 1995, 1997, Ormazabal 1996), there is no need to appeal to government to account for the distribution of PRO (see also Hornstein 1999 for an alternative approach, which also does not need government.)

- (4) a. *John believes PRO
 - b. *PRO left
 - c. John tried [CP [PRO to leave]]
 - d. *John believed [IP PRO to know French]

[(4d) is good in Romance. See Bošković 1995, 1997 for a null Case account of such constructions in Romance.]

Chomsky and Lasnik (1993): PRO bears null Case, which is checked by nonfinite INFL (5) *John wanted PRO to seem to t that....

Lasnik (1993), Martin (1996): Only +Tense nonfinite INFL can check null Case.

Distribution of null heads (especially null C):

Stowell (1981): null C must be properly governed

Pesetsky (1992): Null C is an affix which must undergo head-movement to V. The movement is subject to usual locality restrictions.

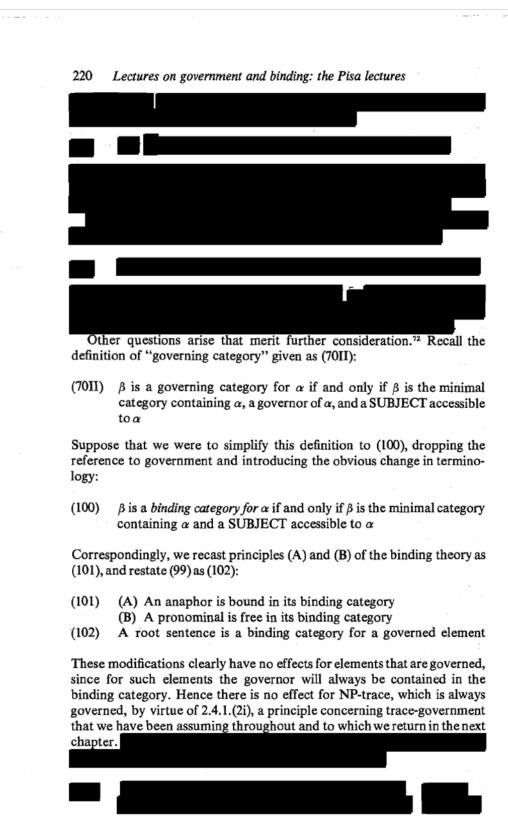
Movement: The hope is that all ECP and subjacency effects with movement and trace-licensing will follow from Economy. One of the most detailed economy accounts of these phenomena can be found in Takahashi (1994). Takahashi argue that only the Subject Condition and relativized minimality type islands like the wh-island need to be accounted for in the syntax. Takahashi provides an economy account of these based on Move. In a pure 'Attract' system, we can account for some relativized minimality type islands, but Takahashi's account of the Subject Condition is lost (see, however, Ochi 1998, 1999).

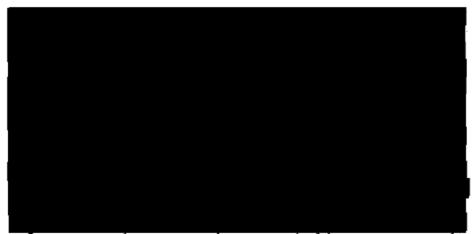
(6) ??That book, you wonder why John bought Chomsky (1999, 2000)

(7) Phase Impenetrability Condition (Chomsky 2000:108)

In a phase α with head H, the domain of H is not accessible to operations outside α , only H and its edge are accessible to such operations.

(phases are CPs and vPs)





In summary, there seem to be no meaningful consequences to the proposed revision in the case of overt elements or NP-trace. This leaves only the case of PRO. The basic property of PRO is that it is ungoverned. This property is a consequence of the former theory, since PRO, as a pronominal anaphor, must lack a governing category by principles (A) and (B) of the binding theory. But this result no longer follows under the revision to (101). The only consequence that follows from (101) is that PRO lacks a binding category, which does not imply that it must be ungoverned. But the conclusion that PRO is ungoverned nevertheless follows under the revised theory, namely, from (101) in conjunction with (102), which, as we saw, was also required in the former theory. If PRO is governed, then by (102) it always has a binding category in which it must be both free and bound by (101); hence PRO is ungoverned.

It seems, then, that the former binding theory can be simplified, with (70II) replaced by (100). There remains, however, one problem, illustrated by (104):

- (104) (i) John expected [him to win]
 - (ii) John tried [[PRO to win]]
 - (iii) John knows [how [PRO to win]]

In (i), him cannot be coindexed with John or (101B) will be violated. But exactly the same argument shows that PRO cannot be coindexed with John in (ii), (iii), an incorrect result. Replacement of "binding category" by "governing category" gives the correct results, in this case. It therefore appears to be necessary to introduce a crucial reference to government in the binding theory, as in (70II), though its effects are so narrow as to suggest that an error may be lurking somewhere.

Bibliography:

- Bošković, Željko. 1995. *Principles of economy in nonfinite complementation*. Doctoral dissertation, University of Connecticut, Storrs.
- Bošković, Željko. 1997. *The syntax of nonfinite complementation: An economy approach*. Cambridge, Mass.: MIT Press.
- Chomsky, Noam. 1986. Barriers. Cambridge, Mass.: MIT Press.
- Chomsky, Noam. 1986. Knowledge of language. New York: Praeger.
- Chomsky, Noam. 1995. The minimalist program. Cambridge, Mass.: MIT Press.
- Chomsky, Noam. 1999. Derivation by phase. In *MIT Occasional Papers in Linguistics* 18. MITWPL, Department of Linguistics and Philosophy, MIT, Cambridge, Mass.
- Chomsky, Noam. 2000. Minimalist inquiries. In *Step by step: Essays on minimalism in honor of Howard Lasnik*, ed. Roger Martin, David Michaels, and Juan Uriagereka, 89-155. Cambridge, Mass.: MIT Press.
- Chomsky, Noam, and Howard Lasnik. 1993. The theory of principles and parameters. In *Syntax: An international handbook of contemporary research*, Vol. 1, ed. Joachim Jacobs, Arnim von Stechow, Wolfgang Sternefeld, and Theo Vennemann, 506-569. Berlin: Walter de Gruyter.
- Franks, Steven, and Željko Bošković. in press. An argument for multiple spell-out. *Linguistic Inquiry*.
- Grimshaw, Jane. 1990. Argument structure. Cambridge, Mass.: MIT Press.
- Higginbotham, James. 1985. On semantics. Linguistic Inquiry 16: 547-593.
- Hornstein, Norbert. 1999. Movement and control. Linguistic Inquiry 30: 69-96
- Lasnik, Howard. 1993. Lectures on minimalist syntax. University of Connecticut occasional papers in linguistics 1.
- Lasnik, Howard, and Mamoru Saito. 1991. On the subject of infinitives. In *Papers from the 27th regional Meeting of the Chicago Linguistic Society Part One: The General Session*, ed. Lise M. Dobrin, Lynn Nichols, and Rosa M. Rodriguez, 324-343. Chicago Linguistic Society, University of Chicago, Chicago, Ill.
- Lebeaux, David. 1983. A distributional difference between reciprocals and reflexives. *Linguistic Inquiry* 14: 723-730.
- Lebeaux, David. 1988. *Language acquisition and the form of the grammar*. Doctoral dissertation, University of Massachusetts, Amherst.
- Martin, Roger. 1996. *A minimalist theory of PRO and control*. Doctoral dissertation, University of Connecticut, Storrs.
- Munn, Alan. 1993. *Topics in the syntax and semantics of coordinate structures*. Doctoral dissertation, University of Maryland, College Park, MD.
- Ochi, Masao. 1998. Move or Attract? In *Proceedings of the West Coast Conference on Formal Linguistics* 16, 319-333. Stanford University, Stanford, Calif.
- Ochi, Masao. 1999. Constraints on feature checking. Doctoral dissertation, University of Connecticut, Storrs.
- Ormazabal, Javier. 1996. *The syntax of complementation: On the connection between syntactic structure and selection.* Doctoral dissertation, University of Connecticut, Storrs.
- Pesetsky, David. 1992. Zero Syntax Vol. 2. Ms., MIT, Cambridge, Mass.
- Pica, Pierre. 1987. On the nature of the reflexivization cycle. In *Proceedings of the North Eastern Linguistic Society* 17, 483-499. GLSA, University of Massachusetts, Amherst.
- Postal, Paul M. 1974. On raising: One rule of English grammar and its theoretical implications. Cambridge, Mass.: MIT Press.
- Takahashi, Daiko. 1994. *Minimality of movement*. Doctoral dissertation, University of Connecticut, Storrs.
- Uriagereka, Juan. 2000. Multiple Spell-Out. In *Working minimalism*, ed. Sam Epstein and Norbert Hornstein. Cambridge, Mass.: MIT Press.