

Adjunct islands and pseudocoordination in an autonomous syntax

Jessica Brown, University of Cambridge

Puzzle: apparently semantically-motivated extraction

A central assumption of transformational syntax (GB, Minimalism) is that the combination of lexical items into phrases, i.e. syntactic structure, is determined separately from the semantics (*autonomy of syntax* in the Y-model of grammar, cf. Chomsky, 1957:17). One consequence is that the semantics cannot license extraction gaps: under a strictly modular view, where syntax precedes the semantics and their interaction is mediated by an interface (LF), extraction gaps can be licensed only up to that interface (cf. *principle of full interpretation*). Extraction from within a conjunct in (1) however is possible just so long as a particular interpretation holds, i.e. just so long as both verbs, *go* and *buy which car* in (1), form a single event (Goldsmith, 1985; De Vos, 2005). Such extraction seemingly constitutes a counterexample both to the autonomy of syntax and to the Coordinate Structure Constraint (2) which prohibits asymmetrical extraction from within a single conjunct (Ross, 1967).

(1) Which car did I [_{V1} go] and [_{V2} buy ~~which car~~]? (cf. Ross, 1967:(4.108a,b,c),170)

(2) a. *Which song did Alex write a book and sing ~~which song~~?

b. *Which book did Alex write ~~which book~~ and sing a song?

Previous works like Goldsmith (1985) and Kehler (1996) take examples like (1) as bona fide counterexamples to an autonomous syntax and postulate a (partly or wholly) semantic implementation of the Coordinate Structure Constraint. In contrast, accounts maintaining an autonomous syntax, for instance by invoking subatomic coordination of heads (De Vos, 2005) or a light verb analysis of V1 (Wiklund, 2007), fail to derive non-canonical cases of pseudocoordination like (3), where V1 *take an axe* includes an internal argument DP.

(3) Who did Lizzie [_{V1} take an axe] and whack ~~who~~ to death? (Schmerling, 1975:(33),217)

Proposal: blindspots in free adjuncts to ϕ P

I argue that pseudocoordinate *and*-phrases are adjuncts and show that (1-2) can be derived without rejecting an autonomous syntax, given a scope-based theory of free adjunction, e.g. Ernst (2002).

First, the syntactic behaviour of pseudocoordinate *and*, e.g. the same subject condition, the ill-formedness of conjunct-internal adverbs and the incompatibility with the distributive operator *both*, suggests that *and* in (1) is unlikely to be a true coordinator (cf. De Vos (2005:19-51) for tests and references).

Instead I propose that *and* heads a non-coordinate adjoined phrase, PP in (4a). As a result, extraction from within pseudocoordination is surprising not by comparison to true coordination but in light of the otherwise well-attested prohibition on extraction from within adjuncts (illustrated by ill-formed (4b)).

(4) a. Which car did I [_{VP} go [_{PP} [_Pand] buy ~~which car~~]]?

b. *Who did John cry after Mary hit? (Huang, 1982:503)

Second, pseudocoordinate and tensed adjuncts merge at different heights, i.e. at VP- and at vP-levels, if single events are licensed below vP (cf. Ernst, 2002), and pseudocoordinate adjuncts but not tensed adjuncts form single events with the matrix predicate. Supporting empirical evidence comes from adverbial modification: preverbal vP-adverbs like *reluctantly* scope over both predicates in (4a) and in (4b), whereas preverbal VP-adverbs like *suddenly* only scope over both predicates in (4a). The contrast suggests that only pseudocoordination creates a VP-constituent, i.e. pseudocoordinate adjuncts are merged at VP (non-phasal) level, whilst tensed adjuncts are merged at vP (phasal) level. Consequently, the question to be addressed is why extraction is prohibited from within adjuncts to maximal projections headed by a phase head ϕ rather than why subextraction from pseudocoordination is only licensed in single events.

tional (8c) constructions. Significantly, the analysis reconciles two seeming counterexamples to the autonomy of syntax with standard syntactic assumptions.