Direct and Indirect Modification in Hočąk

Bryan Rosen
University of Wisconsin–Madison

Goal and Background: This paper provides evidence that Hočąk (Siouan) has direct modification, contra Helmbrecht’s (2004) claim that all adjectives in Hočąk are indirect modifiers. The data also show that lack of rigid ordering is not a reliable diagnostic for indirect modification (contra Cinque 2010). Following Sproat and Shih (1991), Cinque (2010) argues that indirect modification is higher, unordered, and in (reduced) relative clauses (RC), whereas direct modification is lower, ordered, and in APs. In Hočąk, attributive adjectives (1a) and relative clauses (1b) both occupy the same position relative to the noun and employ the same morpheme -ra, which Helmbrecht (2004) takes to be evidence that attributive adjectives are RCs. Moreover, these modifiers seem to have the status of indirect modifiers since they are unordered (2). I show that the modifiers in (1a) and (2) are APs.

Evidence for Direct Modification: Despite the appearance of indirect modifiers in Hočąk, nationality/origin and material modifiers behave differently. First, their position must be prenominal; see the contrasts in (3). Second, unlike (1a) and (2), nation./origin and material modifiers are strictly ordered (4). This corresponds to the lowest part of Scott’s (2002) hierarchy in (5), where nation./origin precedes material. The restriction in (4) indicates the need to recognize a modifier hierarchy in Hočąk. This follows from the hierarchy in (5), which is a feature of direct modification. Under Scott’s (2002) proposal, the hierarchy is manifested in a series of functional heads, which host the relevant APs in their specifiers. The strict ordering of nationality/origin > material is not because they form a compound with the noun they modify: Noun Phrase Ellipsis is possible (6). Nqq ‘wooden’ would also be elided, if it truly formed a compound with its head noun.

Postnominal Modifiers as APs: Under Cinque’s (2010) account, indirect modifiers are either reduced RCs in IPs or full RCs in CPs. However, Hočąk postnominal modifiers do not conform to Cinque’s generalization. Since adjectives in predicative environments may take plural morphology (-ire) (7), verbal and adjectival agreement in RCs should be completely parallel. When the head NP is the subject of the RC, then the verb inside the RC must agree with it (8). An adjective does not have the same agreement requirements (9). I assume that I/T hosts subject agreement (Baker 2008). The difference in agreement suggests that the modifiers in (2) are APs, not in RCs (IP/CP).

AP Ordering: I extend Svenonius’ (2008) theory of adjective ordering to Hočąk. He claims that there is a series of functional heads that introduce different types of noun dependencies. I propose that postnominal APs merge in Spec,nP, while prenominal ones merge in Spec,FP. I depart from Svenonius in two major ways: (i) FPs hosting direct modifiers merge lower than nP; (ii) unlike other FPs, nP can form nP-shells, where each n is a reiterated form of itself. Variable orders are produced because modifiers in shell specifiers (nP) are in a spec-head relationship with the same head (n); see (10). In contrast to Cinque, this head is not used to directly produce ordering restrictions. A consequence of the nP-shell analysis is that it allows variable orders without positing that indirect modifiers are in RCs, while still maintaining the idea of one specifier per head (as in Cinque). Thus, indirect modification always involves RCs, as in (1b), and postnominal APs do not need to be in relative clauses. They behave like direct modification in that they are bare APs; however, they are unordered because the particular functional projection that they merge into can be iterated.

Conclusion: The data from prenominal modifiers supports the claim that Hočąk has direct modifiers. The data also shed new light on one of Cinque’s diagnostics for indirect modification: free ordering of modifiers does not have to be indicative of indirect modification. Furthermore, this study highlights the fact that a language might appear to only have indirect modification, but deeper investigation reveals that direct modification exists.
(1) a. wijuk seep-ra  
   cat black-Ra  
   ‘the black cat’  

b. wąąk taani  hiij-ra  
   man tobacco suckle-Ra  
   ‘the man who smokes’  

(2) wijuk (seep) xete (seep)-ra  
   cat black big black-Ra  
   ‘the big black cat’  

*For expository purposes, I gloss -ra as RA.

(3) a. iñiç ci (*iñiç)-ra  
   stone stone-Ra  
   ‘the stone house’  

b. hišjahakirujik wažątir e (*hišjahakirujik)-ra  
   Japanese car Japanese-Ra  
   ‘the Japanese car’

(4) (*naą) hišjahakirujik naą wažątire-ra  
   wooden Japanese wooden car-Ra  
   (Scott 2002:114)  
   ‘the Japanese wooden car’

(6) Meredith-ga mąąs wooracga-hižą ruwi ąnąga Brad-ga naą-ra ruwj.  
   Meredith-prop metal cup-indef buy and Brad-prop wooden-Ra buy  
   ‘Meredith bought a metal cup, and Brad bought a wooden one.’

(7) xete-ire (8) Hinuš haji-{ire/*∅}-ra wokit’e (9) wijuk seep-ra waaja  
   big-3pl woman arrive-{3pl/sg}-ra 3o.speak.to cat black-Ra 3o.see  
   ‘They are big.’ ‘S/he spoke to the women that arrived.’ ‘S/he saw the black cats.’

(10) [nP {size/color/shape} [nP {size/color/shape} [FP1 nationality/origin [FP2 material [NP N ]]]]]

References:


