

projection. Similar effect obtains for *stop*, when its salient alternative is *start*, which has a reverse presupposition, but does not obtain, when its alternative is *take a break from*, which has the same presupposition as *stop*, or *hate*, which triggers no presupposition:

- (4) a. If John [**stopped**]_F smoking, I'll give you \$10, but if he [**started**]_F smoking, I won't.
 ⇒ John used to smoke.
 b. If John [**stopped**]_F smoking, I'll give you \$10, but if he's just [taking a **break**]_F from smoking, I won't.
 → John used to smoke.
 c. Although John didn't [**stop**]_F smoking, he began to [**hate**]_F smoking.
 → John used to smoke.

In co-speech gesture examples non-projection obtains (at least) when the verbal content across the alternatives is the same and the gestural content is contrastive (5a), but does not obtain when the contrast is due to the verbal content (5b):



- (5) a. If you bring me a [**beer**]_{SMALL}_F, I'll finish it, but if you bring me a



[**beer**]_{LARGE}_F, I'll have to share it with someone.

⇒ If you bring me a beer, it will be a small/large one.

- b. If you bring me a [**beer**]_{LARGE}_F, I'll finish it, but if you bring me a [**cocktail**]_{SMALL}_F, I'll have to share it with someone.

→ If you bring me a beer, it would be large; if you bring me a cocktail, it would be small.

Applying AAP: AAP applies straight-forwardly to cases like (4a), where alternatives have contradictory presuppositions, because the same common ground cannot entail both *p* and *not p*. Examples with *know* vs. *think* are a bit trickier. While *think that p* often gives rise to an anti-factive inference across the board, typically attributed to some version of *Maximize Presupposition* (e.g., Sauerland 2008), I argue that in cases like (1b) the inference is much stronger and something else is at play. Namely, CF is interpreted exhaustively with respect to the salient alternatives, and, thus, the alternative with *think* is strengthened by negating the alternative with *know*. Assuming the two have the same assertive content and differ only in their presuppositional content, asserting *think that p* while negating *know that p* requires negating the presuppositional content of the latter: *p' and not pp'*, where *p* is the presuppositional content and *p'* is the assertive one, is a contradiction (since it amounts to *p' and p and not p'*) while *p' and not (p and p')* is not. The presupposition of *know* thus has to be treated as part of the assertion.

A similar logic can be applied to gestural examples like (1b) and (5a), in which the assertive (verbal) content of the alternatives is identical, and it is their presuppositional (gestural) content that is contrastive: *pp' and not qp'* ($\approx p$ and q and p' and $not p'$) is a contradiction while *p and p' and not (q and p')* isn't. Such gestural examples can also be compared to examples with contradictory presuppositions, like (4a), since, while the inferences triggered by the contrastive gestures in the examples above are not of the form *p* and *not p*, they are mutually exclusive — in principle (due to world knowledge), or interpreted as such within the given context. It would be good, thus, to look at examples with contrastive gestures triggering non-mutually-exclusive inferences (such as (4c) in the spoken modality). Such examples, however, are hard to construct, and I leave exploration of them for future research.

Selected references: Heim. 1983. On the projection problem for presuppositions. Sauerland. 2008. Implicated presuppositions. Schlenker. 2009. Local contexts. Schlenker. 2015. Gestural presuppositions. Schlenker. 2016. Gesture projection and cosuppositions. Simons, Beaver, Roberts, and Tonhauser. 2016. The best question: explaining the projection behavior of factives.