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▶ To cite this version:

Pierre Thérouanne, Maude Las Dit Peisson, Jessica Roth. Ambiguity advantage in word recognition. XVth Meeting of the European Society for Cognitive Psychology (ESCoP), Aug 2007, Marseille, France. 2007. hal-01740010

HAL Id: hal-01740010 https://univ-cotedazur.hal.science/hal-01740010v1

Submitted on 21 Mar 2018

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Introduction

Several studies have shown that ambiguous words are recognized faster than unambiguous ones when presented in isolation (e.g., Borowsky & Masson, 1996). Many accounts of this so-called ambiguity effect hypothesize an activation feedback from the different meanings to the lexical entry representing the ambiguous word. However, recent results challenged this account showing a disadvantage or no advantage for ambiguous words having unrelated meanings (homonyms), and an advantage for polysemic words, having related senses (Klepousniotou & Baum, 2007; Rodd et al., 2002). Three experiments were designed to test the hypothesis of the ambiguity advantage in visual and auditory lexical decision task, for French homonyms showing high-polarity (dominant meaning frequency clearly higher that subordinate meaning one) or low-polarity.



Discussion

- Ambiguity advantage for almost all comparisons and no ambiguity disadvantage.
 - Ambiguity advantage occurs also for homonymy in visual and auditory word recognition and not restricted to polysemic words.
 - Activation feedback from the different meanings to the lexical entry representing the ambiguous word and no competition between meanings at the semantic level (see also Hino et al., 2006).
- Ambiguity advantage greater when foils are pseudohomophones than when they are illegal nonwords.
- > Activation feedback from meanings greater when longer responses and deeper word processing.
- Trend to a larger ambiguity advantage for high-polarized homonyms than for low-polarized homonyms.
 - > To be discussed

References

Borowsky, R., & Masson, M. E. J. (1996). Semantic ambiguity effects in word identification. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 22*, 63-85. Hino, Y., Pexman, P. M., & Lupker, S. J. (2006). Ambiguity and relatedness effects in semantic tasks: Are they due to semantic coding? *Journal of Memory and Language, 55*, 247-273. Klepousnictou, E., & Baum, S. R. (2007). Disambiguating the ambiguity advantage effect in word recognition. *Journal of Neurolinguistics, 20*(1), 1-24. Rodd, J., Gaskell, G., & Marslen-Wilson, W. (2002). Making Sense of Semantic Ambiguity: Semantic Competition in Lexical Access. *Journal of Memory and Language, 46*, 245-266.



