

Reading plan for medium-term future: fundamental debates/issues in lexical access of morphologically complex words¹

- **Overviews**

1. William D. Marslen-Wilson 2007: perception (Kie)
2. Hay & Baayen 2005: gradience

These capsule descriptions are very rough, and sometimes translate the real example from another language into English, so don't take them too literally.

- **Decomposed vs. non-decomposed access**

3. Taft & Forster 1975: a classic
4. Henderson, Wallis, & Knight 1984: another classic
5. Girardo & Grainger 2000: decomposition happens late
6. Taft & Ardasinski 2006: decomposition is early and obligatory
7. R Schreuder & Baayen 1995: dual-route model
also Baayen, Dijkstra, & Robert Schreuder 1997
8. Kuperman, Bertram, & Baayen 2008: testing various factors that should influence access route
9. Wurm 1997: left-to-right processing of auditorily presented words
also Winther Balling & Harald Baayen 2008

- **Form similarity (*brothel-broth*) vs. pseudomorphology (*corner-corn*) vs. opaque morphology (*apartment-apart*) vs. transparent morphology (*walker-walk*)**

10. William Marslen-Wilson et al. 1994: no cross-modal priming without semantic relationship (*apartment* doesn't prime *apart*), and other classic results
also Feldman 2000 for gradient version; Plaut & Gonnerman 2000 for simulation of M-W & al.'s results; Gonnerman, Seidenberg, & Andersen 2007 for a related follow-up; William D. Marslen-Wilson et al. 1996 for more follow-up; VanWagenen 2005 for another follow-up
11. Rastle, Matthew H Davis, & New 2004): yes it does, if you use masked priming instead
also Ram Frost, Forster, & Avital Deutsch 1997, Longtin, Segui, & Halle 2003; see Rastle & Matthew H. Davis 2008 for overview
12. Longtin & Meunier 2005: *rapidify* primes *rapid*, and *sportation* even primes *sport*, but *rapidel* doesn't prime *rapid*.
13. Girardo & Grainger 2003: *remake* masked-primes *rethink*
See also Andoni Duñabeitia, Perea, & Carreiras 2008: %%%%er primes *walker*
14. Rastle et al. 2000: with longer duration, semantic relatedness matters more
also R Frost et al. 2000, Rueckl & Aicher 2008
15. Morris, Grainger, & Holcomb 2008: an ERP study coming to a similar conclusion
16. Vannest & Boland 1999: Level 1 vs. Level 2 suffixes
also Tsapkini, Kehayia, & Jarema 1999 on effects of phonological rules

For me to cover in wrap-up: Damian & Martin 1999 (production), Kouider & Dupoux 2009

¹ Got a lot of help organizing this list from Frost & al. 2008, VanWagenen 2005.

References

- Andoni Duñabeitia, Jon, Manuel Perea & Manuel Carreiras. 2008. Does darkness lead to happiness? Masked suffix priming effects. *Language and Cognitive Processes* 23(7). 1002. doi:10.1080/01690960802164242.
- Baayen, R. Harald, Ton Dijkstra & Robert Schreuder. 1997. Singulars and Plurals in Dutch: Evidence for a Parallel Dual-Route Model. *Journal of Memory and Language* 37(1). 94-117. doi:10.1006/jmla.1997.2509.
- Damian, Markus F. & Randi C. Martin. 1999. Semantic and phonological codes interact in single word production. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 25(2). 345-361. doi:10.1037/0278-7393.25.2.345.
- Feldman, Laurie Beth. 2000. Are morphological effects distinguishable from the effects of shared meaning and form? *Journal of Experimental Psychology: Learning, Memory, and Cognition* 26(6). 1431-1444.
- Frost, R, A Deutsch, O Gilboa, M Tannenbaum & W Marslen-Wilson. 2000. Morphological priming: dissociation of phonological, semantic, and morphological factors. *Memory & Cognition* 28(8). 1277-1288.
- Frost, Ram, Kenneth I. Forster & Avital Deutsch. 1997. What Can We Learn From the Morphology of Hebrew? A Masked-Priming Investigation of Morphological Representation. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 23(4). 829-856.
- Giraud, H el ene & Jonathan Grainger. 2000. Effects of prime word frequency and cumulative root frequency in masked morphological priming. *Language and Cognitive Processes* 15(4). 421. doi:10.1080/01690960050119652.
- Giraud, H el ene & Jonathan Grainger. 2003. On the role of derivational affixes in recognizing complex words: evidence from masked priming. In R. Harald Baayen & Robert Schreuder (eds.), *Morphological structure in language processing*, 209-232. Berlin, New York: Mouton de Gruyter.
- Gonnerman, Laura M., Mark S. Seidenberg & Elaine S. Andersen. 2007. Graded Semantic and Phonological Similarity Effects in Priming: Evidence for a Distributed Connectionist Approach to Morphology. *Journal of Experimental Psychology: General* 136(2). 323-345. doi:10.1037/0096-3445.136.2.323.
- Hay, Jennifer B. & R. Harald Baayen. 2005. Shifting paradigms: gradient structure in morphology. *Trends in Cognitive Sciences* 9(7). 342-348. doi:10.1016/j.tics.2005.04.002.
- Henderson, L, J Wallis & K Knight. 1984. Morphemic structure and lexical access. In H Bouma & D Bouwhuis (eds.), *Attention and Performance X: Control of language processes*. Hove, UK: Lawrence Erlbaum Associates.
- Kouider, Sid & Emmanuel Dupoux. 2009. Episodic accessibility and morphological processing: Evidence from long-term auditory priming. *Acta Psychologica* 130(1). 38-47. doi:10.1016/j.actpsy.2008.09.011.
- Kuperman, Victor, Raymond Bertram & R. Harald Baayen. 2008. Morphological dynamics in compound processing. *Language and Cognitive Processes* 23(7). 1089. doi:10.1080/01690960802193688.
- Longtin, Catherine-Marie & Fanny Meunier. 2005. Morphological decomposition in early visual word processing. *Journal of Memory and Language* 53(1). 26-41. doi:10.1016/j.jml.2005.02.008.
- Longtin, Catherine-Marie, Juan Segui & Pierre A. Halle. 2003. Morphological priming without morphological relationship. *Language and cognitive processes* 18(3). 313-334.
- Marslen-Wilson, William, Lorraine Komisarjevsky Tyler, Rachelle Waksler & Lianne Older. 1994. Morphology and meaning in the English mental lexicon. *Psychological Review* 101(1). 3-33.
- Marslen-Wilson, William D. 2007. Morphological processes in language comprehension. In G.P. Gaskell (ed.), *Oxford Handbook of Psycholinguistics*, 175-193. Oxford: Oxford University Press.
- Marslen-Wilson, William D., Mike Ford, Lianne Older & Xiaolin Zhou. 1996. The combinatorial lexicon: Priming derivational affixes. In , *Proceedings of the 18th annual conference of the Cognitive Science Society*. Erlbaum.
- Morris, Joanna, Jonathan Grainger & Phillip J. Holcomb. 2008. An electrophysiological investigation of early effects of masked morphological priming. *Language and Cognitive Processes* 23(7). 1021.

doi:10.1080/01690960802299386.

- Plaut, David C. & Laura M. Gonnerman. 2000. Are non-semantic morphological effects incompatible with a distributed connectionist approach to lexical processing? *Language and Cognitive Processes* 15(4). 445. doi:10.1080/01690960050119661.
- Rastle, Kathleen, Matt H. Davis, William D. Marslen-Wilson & Lorraine K. Tyler. 2000. Morphological and Semantic Effects in Visual Word Recognition: A Time-Course Study. *Language and Cognitive Processes* 15(4). 507-37.
- Rastle, Kathleen, Matthew H Davis & Boris New. 2004. The broth in my brother's brothel: morpho-orthographic segmentation in visual word recognition. *Psychonomic Bulletin and Review* 11(6). 1090-1098.
- Rastle, Kathleen & Matthew H. Davis. 2008. Morphological decomposition based on the analysis of orthography. *Language and Cognitive Processes* 23(7). 942. doi:10.1080/01690960802069730.
- Rueckl, Jay G. & Karen A. Aicher. 2008. Are CORNER - and BROTHER - morphologically complex? Not in the long term. *Language and Cognitive Processes* 23(7). 972. doi:10.1080/01690960802211027.
- Schreuder, R & R. Harald Baayen. 1995. Modeling morphological processing. In L.B. Feldman (ed.), *Morphological aspects of language processing*. Hillsdale, NJ: Lawrence Erlbaum Associates.
- Taft, Marcus & Sam Ardasinski. 2006. Obligatory decomposition in reading prefixed words. *The Mental Lexicon* 1(2). 183-199. doi:10.1075/ml.1.2.02taf.
- Taft, Marcus & Kenneth I. Forster. 1975. Lexical storage and retrieval of prefixed words. *Journal of Verbal Learning and Verbal Behavior* 14(6). 638-647. doi:10.1016/S0022-5371(75)80051-X.
- Tsapkini, Kyrana, Eva Kehayia & Gonia Jarema. 1999. Does Phonological Change Play a Role in the Recognition of Derived Forms across Modalities? *Brain and Language* 68(1-2). 318-323. doi:10.1006/brln.1999.2113.
- Vannest, Jennifer & Julie E. Boland. 1999. Lexical Morphology and Lexical Access. *Brain and Language* 68(1-2). 324-332. doi:10.1006/brln.1999.2114.
- VanWagenen, Sarah. 2005. The morphologically organized mental lexicon: further experimental evidence. UCLA master's thesis.
- Winther Balling, Laura & R. Harald Baayen. 2008. Morphological effects in auditory word recognition: Evidence from Danish. *Language and Cognitive Processes* 23(7). 1159. doi:10.1080/01690960802201010.
- Wurm, Lee H. 1997. Auditory Processing of Prefixed English Words Is Both Continuous and Decompositional, , *Journal of Memory and Language* 37(3). 438-461. doi:10.1006/jmla.1997.2524.