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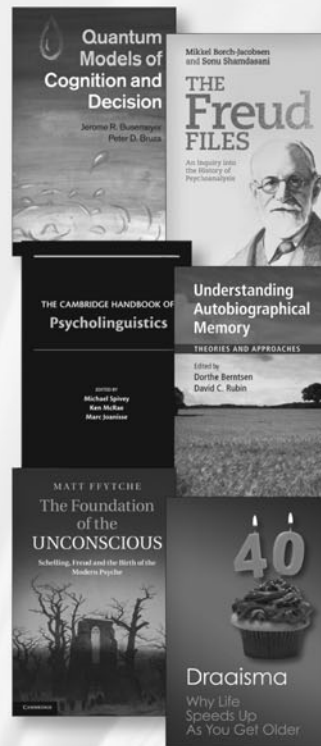
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## The cognitive bases of human tool use

Krist Vaesen

## To appear in upcoming issues (2012)

## Towards a universal model of reading

Ram Frost, *The Hebrew University*

In the last decade, research on visual word recognition has undergone a paradigmatic shift, producing reading models that offer various forms of context-sensitive letter coding and suggesting that this is how the human brain encodes the position of letters in printed words. I argue that letter-order sensitivity is not a general property of the cognitive system, nor is it a property of the brain in encoding letters. Rather, it is a variant and idiosyncratic characteristic of reading in European languages, reflecting a strategy of optimizing encoding resources, given the specific structure of words in these languages. An alternative approach for modelling reading is outlined.

**With commentary from** C Behme; M Beveridge & T Bak; J Bowers; M Coltheart & S Crain; CJ Davis; SH Deacon; IB Feldman & F Moscoso del Prado; N Friedmann & A Gvion; P Gomez & S Silins; U Goswami; J Grainger & T Hannagan; BD Homer; J Hyona & R Bertram; K Kim, CH Lee & Y Lee; J Laubrock & S Hohenstein; Y Levy; SP Liversedge, HI Blythe & D Drieghe; M Martelli, C Burani & P Zoccolotti; C McBride-Chang, HC Chen, B Kasisopa, D Burnham, R Reilly & P Leppanen; D Norris & S Kinoshita; DG Pelli, S Chung & GE Legge; M Perea & M Carreiras; C Perfetti; N Pitchford, WJB van Heuven, AN Kelly, T Zhang & T Ledgeway; D Plaut; C Rao, S Soni & NC Singh; K Rastle; D Ravid; J Rueckl; M Seidenberg; DL Share; M Szwed, F Vinckier, L Cohen & S Dehaene; C Whitney

## Cognitive systems for revenge and forgiveness

Michael E. McCullough, *University of Miami*, Robert Kurzban, *University of Pennsylvania*, and Benjamin A. Tabak, *University of Miami*

We hypothesize that natural selection has given rise in humans to a revenge system designed to motivate behaviors that deter the imposition of costs by others. Because revenge carries costs, particularly when taken on friends, relatives, and allies, we posit a subsidiary *forgiveness system* designed to preserve relationships by inhibiting revenge and motivating behaviors that signal a willingness to return to constructive relations, on the condition that the signaler receive better treatment from the harmdoer in the future. We discuss evidence for the view that revenge is designed for deterrence and that forgiveness is designed to foster reconciliation without the costs of revenge.

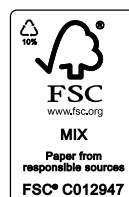
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## Among the articles to appear in forthcoming issues of BBS:

- R. Frost, "Towards a universal model of reading"
- M. E. McCullough, R. Kurzban & B. A. Tabak, "Cognitive systems for revenge and forgiveness"
- N. Baumard, J.-B. André & D. Sperber, "A mutualistic approach to morality"
- J. Dixon, M. Levine, S. Reicher & K. Kevin Durrheim, "Beyond prejudice: Are negative evaluations the problem and is getting us to like one another more the solution?"
- E. Charney, "Behavior genetics and post-genomics"
- A. Clark, "Whatever next? Predictive brains, situated agents, and the future of cognitive science"
- N. J. Bullof & R. Reber, "The artful mind meets art history: Toward a psycho-historical framework for the science of art appreciation"
- L. Schilbach, B. Timmermans, V. Reddy, A. Costall, G. Bente, T. Schlicht & K. Vogeley, "Toward a second-person neuroscience"
- M. J. Pickering & S. Garrod, "An integrated theory of language production and comprehension"
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