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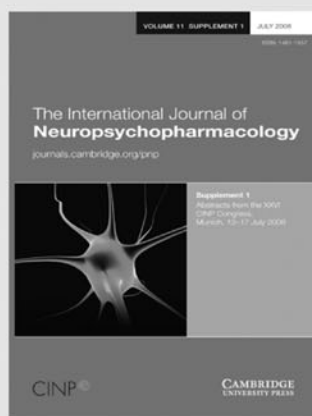
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Nicholas Evans and Stephen Levinson

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Jacob Miguel Vigil

To appear in Volume 32, Number 6 (2009)

The evolution of misbelief

Ryan T. McKay, University of Zurich, and Daniel C. Dennett, Tufts University

A default presumption is that, whereas true beliefs are biologically adaptive, misbeliefs are maladaptive. How then are we to account for routine instances of misbelief? We endorse a distinction between two general types: those resulting from a breakdown in the normal functioning of the belief formation system and those arising in the normal course of that system's operations. We argue that a subset of the latter – *positive illusions* – arise not incidentally but, rather, *systematically*, because such misbeliefs (the misbeliefs *themselves*, not just the systems that produce them) are adaptive. We are thus evolutionarily predisposed to form such misbeliefs.

With commentary from JM Ackerman, JR Shapiro & JK Maner; G Ainslie; M Bertamini & R Casati; P Boyer; JD Brown; J Bulbulia & R Sosis; ET Cokely & A Feltz; M Coltheart; D Dunning; CS Dweck; O Flanagan; K Frankish; NL Gjersoe & BM Hood; J Hartung; MG Haselton & DM Buss; DDP Johnson; VJ Konečni; DL Krebs & K Denton; J Kruger, S Chan & N Roese; R Langdon; JR Liddle & TK Shackelford; GF Marcus; RG Millikan; AL Mishara & P Corlett; A Norenzayan, AF Shariff & WM Gervais; B Randolph-Seng; JP Schloss & MJ Murray; D Sperber; J Sutton; K Talmont-Kaminski; TJ Wereha & TP Racine; Y Wilks; TW Zawidzki

Grandparental investment: Past, present, and future

David A. Coall, University of Western Australia, and Ralph Hertwig, University of Basel

What motivates grandparents to their altruism? We review answers from evolutionary theory, sociology, and economics. The answers exist side-by-side, with little theoretical integration. Regardless of their motives, can grandparental acts of altruism enhance kin's welfare? Evidence from natural-fertility populations suggests that grandmothers especially can improve grandchildren's survival chances and welfare. The impact of grandparental investment in industrialized societies, however, has received little attention. We found few studies that investigated its impact in low-risk family contexts. Under circumstances of duress, evidence obtained suggests that grandparents could provide support that safeguards their grandchildren. We discuss research and policy implications.

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