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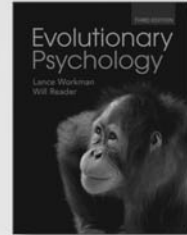


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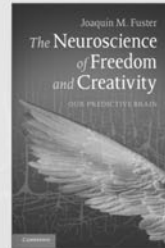


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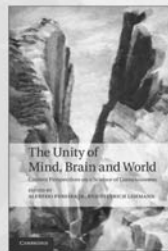
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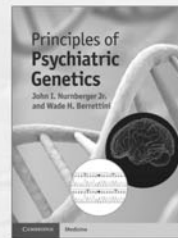


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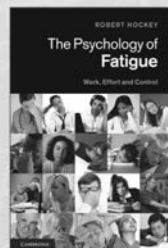
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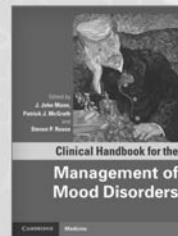
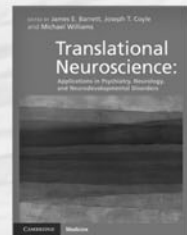


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# Behavioral and Brain Sciences

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Bateson, P.P.G. & Hinde, R.A., eds. (1978) *Growing points in ethology*. Cambridge University Press.

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## In this issue

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## The Selfish Goal: Autonomously operating motivational structures as the proximate cause of human judgment and behavior

Julie Y. Huang and John A. Bargh

## Mirror neurons: From origin to function

Richard Cook, Geoffrey Bird, Caroline Catmur, Clare Press, and Cecilia Heyes

## To appear in upcoming issues (2014)

## Differences in negativity bias underlie variations in political ideology

John R. Hibbing, Kevin B. Smith, *University of Nebraska*, and John R. Alford, *Rice University*

Disputes over politics are entrenched, frustrating, and sometimes explosive. Growing evidence suggests that these disputes are traceable to deep differences in psychological tendencies, physiological patterns, and even genetics but the organizing principles of these differences are sometimes difficult to identify. In this essay, by synthesizing much of the research conducted in the area, we make the case that a core source of variation in political ideologies is differences in negativity bias. Some people are particularly attentive and responsive to negative stimuli and it appears these individuals are more likely to adopt political stances supportive of security, tradition, and hierarchy.

**With commentary from** MJ Brandt, G Wetherell & C Reyna, Christine; R Buck; JT Cacioppo, S Cacioppo & JK Gollan; E Charney; CM Federico, CD Johnston & HG Lavine; S Feldman & L Huddy; G Hodson; PC Hogan; Y Inbar & D Pizarro; R Janoff-Bulman & NC Carnes; JT Jost, S Noorbaloochi & JJ Van Bavel; KD Kinzler & A Vaish; SO Lilienfeld & RD Latzman; SG Ludeke & CG DeYoung; A Malka & CJ Soto; GS Morgan, IJ Skiika & DC Wisneski; M Motyl & R Iyer; CY Olivola & AB Sussman; MB Petersen & L Aarøe; N Pornpattananangkul, BK Cheon & JY Chiao; P Robbins & K Shields; SH Schwartz; G Sedek, M Kossowska & K Rydzewska; SM Tritt, M Inzlicht & JB Peterson; JM Vigil & C Strenth; AE White & SL Neuberg

## The cultural evolution of emergent group-level traits

Paul E. Smaldino, *Johns Hopkins University*

I propose a conceptual extension of the theory of cultural evolution and argue that many important behaviors related to the success and function of human societies are only properly defined at the level of groups. Group-level traits emerge from organized collections of differentiated individuals. Selection on group-level traits is therefore qualitatively different from selection on groups as described by traditional multilevel selection theory. In this target article, I discuss the emergence and evolution of group-level traits and the implications for the theory of cultural evolution, including ramifications for multilevel selection theory and the evolution of human cooperation, technology, innovation, and cultural institutions.

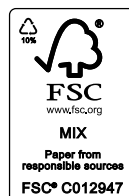
**With commentary from** M Abrams; LR Caporael & CK Garvey; M Chudek & J Henrich; T Davis & E Margolis; M Doebeli & B Simon; A Fuentes; D Gerkey & L Cronk; P Ibbotson; K Kim, J Jeon & Y Park; K MacDonald; TA Mattei; RA McCain; M Muthukrishna & M Schaller; P Nonacs & KM Kapheim; R O'Gorman; S Okasha; K Panchanathan, S Mathew & C Perreault; DVW Read; C Santana & M Weisberg; JC Schank; TC Scott-Phillips & TE Dickins; L Shuai & T Gong; R Sosis & J Kiper; DJ Taylor & JJ Bryson; G Theiner & J Sutton; TW Waring & SH Goff; DS Wilson; MR Zimmerman & PJ Richerson

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

- J. R. Hibbing, K. B. Smith & J. R. Alford, "Differences in negativity bias underlie variations in political ideology"
- P. E. Smaldino, "The cultural evolution of emergent group-level traits"
- A. Lankford, "Précis of *The Myth of Martyrdom: What Really Drives Suicide Bombers, Rampage Shooters, and Other Self-Destructive Killers*"
- D. S. Wilson & S. C. Hayes, "Evolving the future: Toward a science of intentional change"
- A. Cimpian & E. Salomon, "The inherence heuristic: An intuitive means of making sense of the world, and a potential precursor to psychological essentialism"
- H. Ackermann, S. R. Hage & W. Ziegler, "Brain mechanisms of acoustic communication in humans and nonhuman primates: An evolutionary perspective"
- R. D. Lane, L. Ryan, L. Nadel & L. Greenberg, "Memory reconsolidation, emotional arousal and the process of change in psychotherapy: New insights from brain science"

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