

BBS

Behavioral & Brain Sciences

An International journal of current research and theory
with open peer commentary

Volume 33 | Issue 5 | October 2010 | ISSN: 0140-525X

CAMBRIDGE
UNIVERSITY PRESS

Behavioral and Brain Sciences

Editors

Paul Bloom
Barbara L. Finlay

URL: <http://www.editorialmanager.com/bbs>

E-mail: bbsjournal@cambridge.org

Behavioral and Brain Sciences
Journals Department
Cambridge University Press
32 Avenue of The Americas
New York, NY 10013-2473, U.S.A.

Editorial Administrator

Ralph DeMarco

Chief Copy Editor

Sumitra Mukerji

Proofreaders

Sylvia Elvin
Rashidah Ismaili AbuBakr

Editorial Board

Atypical Neurodevelopment

Simon Baron-Cohen/Cambridge U.

Behavioral Neurogenetics

Wim E. Crusio/CNRS UMR

Cognition and Artificial Intelligence

Zenon Pylyshyn/Rutgers U.

Cognitive and Decision Sciences

Nick Chater/University College London

Cognitive Development

Annette Karmiloff-Smith/Birbeck College

Cognitive Neuroscience

Moshe Bar/Harvard Medical School

Computational Neuroscience

Nestor A. Schmajuk/Duke U.

Evolution of Brain and Cognition

Dean Falk/Florida State U.

Evolution of Cognition

Celia Heyes/Oxford U.

Experimental Analysis of Behavior

A. Charles Catania/U. Maryland, Baltimore County

Language and Language Disorders

Max Coltheart/Macquarie U.

Linguistics

Robert A. Freidin/Princeton U.

Perception

Bruce Bridgeman/U. of California, Santa Cruz

Philosophy of Science

Massimo Piattelli-Palmarini/U. of Arizona

Primate Cognition

Laurie R. Santos/Yale U.

Social Cognition

Mahzarin R. Banaji/Harvard U.

Social Cognitive Neuroscience

Rebecca Saxe/MIT

Vision, Language and Computation

Shimon Edelman/Cornell U.

FOUNDING EDITOR (1978–2001)

Stevan Harnad

Editorial Policy *Behavioral and Brain Sciences* (BBS) is an international journal providing a special service called Open Peer Commentary* to researchers in any area of psychology, neuroscience, behavioral biology, or cognitive science who wish to solicit, from fellow specialists within and across these BBS disciplines, multiple responses to a particularly significant and controversial piece of work. (See Instructions for Authors and Commentators, inside back cover and also at <http://journals.cambridge.org/BBSJournal/Inst>) The purpose of this service is to contribute to the communication, criticism, stimulation, and particularly the unification of research in the behavioral and brain sciences, from molecular neurobiology to artificial intelligence and the philosophy of mind.

Papers judged by the editors and referees to be appropriate for Commentary are circulated to a large number of commentators selected by the editors, referees, and author to provide substantive criticism, interpretation, elaboration, and pertinent complementary and supplementary material from a full cross-disciplinary perspective. The article, accepted commentaries, and the author's response then appear simultaneously in BBS.

Commentary on BBS articles may be provided by any qualified professional in the behavioral and brain sciences, but much of it is drawn from a large body of BBS Associates who have become formally affiliated with the project (see <http://journals.cambridge.org/BBSJournal/BBSAssoc>).

Qualified professionals are eligible to become BBS Associates if they have (1) been nominated by a current BBS Associate, (2) refereed for BBS, or (3) had a commentary or article accepted for publication. A special subscription rate is available to Associates. Individuals interested in serving as BBS Associates are asked to view the full instructions for joining at <http://journals.cambridge.org/BBSJournal/Inst/Assoc> and then email bbsjournal@cambridge.org.

© Cambridge University Press 2010. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, or otherwise, without permission in writing from Cambridge University Press. Policies, request forms, and contacts are available at: <http://www.cambridge.org/rights/permissions/permission.htm>.

Permission to copy (for users in the U.S.A.) is available from Copyright Clearance Center, <http://www.copyright.com>, email: info@copyright.com. Specific written permission must be obtained for republication; contact the nearest Cambridge University Press office.

Subscriptions *Behavioral and Brain Sciences* (ISSN 0140-525X) is published bimonthly in February, April, June, August, October, and December. The subscription price of Volume 33 (2010) for institutions is US \$1061.00 for print and online, US \$894.00 for online only, and US \$957.00 for print only in the U.S.A., Canada, and Mexico; and UK £603.00 for print and online, UK £510.00 for online only, and UK £551.00 for print only elsewhere. The subscription price for individuals is US \$302.00 for print and online and US \$276.00 for print only in the U.S.A., Canada, and Mexico; and UK £177.00 for print and online and UK £161.20 for print only elsewhere. For *BBS Associates*, with proof of eligibility with order, US \$113.00 in the U.S.A., Canada, and Mexico; and UK £71.00 elsewhere. For *students*, with proof of eligibility with order, \$93.00 in the U.S.A., Canada, and Mexico; and UK £56.00 elsewhere. Subscription price includes surface postage. Single parts cost US \$218.00 (UK £94.00) plus postage. *Institutional* orders may be sent to a bookseller, or, in the U.S.A., Canada, and Mexico direct to: Cambridge University Press, 32 Avenue of The Americas, New York, NY 10013-2473 email: journals_subscriptions@cambridge.org; in the U.K. and rest of the world to: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, England, e-mail: journals_subscriptions@cambridge.cam.ac.uk. *Individuals* must order direct from the Press. You may also subscribe through the Cambridge Journals website, <http://journals.cambridge.org/bbs>.

Postmaster: Send address changes in the U.S.A., Canada, and Mexico to *Behavioral and Brain Sciences*, Cambridge University Press, Journals Dept., 100 Brook Hill Drive, West Nyack, NY 10994-2133, U.S.A. Send address change elsewhere to *Behavioral and Brain Sciences*, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, England.

Online availability *Behavioral and Brain Sciences* is part of the Cambridge Journals Online (CJO) service at <http://journals.cambridge.org>.

Institutional subscribers: Access to full-text articles online is currently included with the cost of the print subscription. Subscription must be activated; see <http://cambridge.journals.org>.

Advertising Inquiries about advertising should be sent to the Journals Advertising Department of the Cambridge or New York Office of Cambridge University Press.

*Modelled on the "CA Comment" service of the journal *Current Anthropology*.

Contents Volume 33:5 October 2010

Jones, D. Human kinship, from conceptual structure to grammar		367
Open Peer Commentary		
Behme, C. Does kinship terminology provide evidence for or against universal grammar?	381	
Bennardo, G. Space, kinship, and mind	382	
Biró, T. Will Optimality Theory colonize all of higher cognition?	383	
Bloch, M. Kinship terms are not kinship	384	
El Guindi, F. The cognitive path through kinship	384	
Gerkey, D. & Cronk, L. Why do we need to coordinate when classifying kin?	385	
Hogeweg, L., Legendre, G. & Smolensky, P. Kinship terminology: polysemy or categorization?	386	
Hudson, R. Conceptual structure is constrained functionally, not formally	387	
Jordan, F. M. & Dunn, M. Kin term diversity is the result of multilevel, historical processes	388	
Kay, P. Some facts of Seneca kinship semantics	388	
Knight, C. Language and kinship: We need some Darwinian theory here	389	
Kronenfeld, D. B. Conceptual implications of kinship terminological systems: Special problems and multiple analytic approaches	390	
Leaf, M. J. Pragmatic and positivistic analyses of kinship terminology	390	
Levinson, S. C. Advancing our grasp of constrained variation in a crucial cognitive domain	391	
Liu, C., Ge, Y., Mai, X. & Luo, Y.-J. Exploring the conceptual and semantic structure of human kinship: An experimental investigation of Chinese kin terms		392
Lyon, S. M. Genealogy, kinship, and knowledge: A cautionary note about causation		394
McConvell, P. Getting the constraints right		394
Miers, P. Typological variation of kinship terminologies is a function of strict ranking of constraints on nested binary classification trees		395
Musgrave, S. & Dowe, D. L. Kinship, optimality and typology		397
Nevins, A. The applicability of theories of phonological contrast to kinship systems		398
Read, D. W. The algebraic logic of kinship terminology structures		399
Salazar, C. Genealogy (and the relationship between opposite-sex/same-sex sibling pairs) is what kinship is all about		401
Seyfarth, R. M. & Cheney, D. L. The shared evolutionary history of kinship classifications and language		402
Wierzbicka, A. Lexical universals of kinship and social cognition		403
Author's Response		
Jones, D. Thinking about kinship and thinking		404