

Outstanding Scholarship *in Behavioral and Brain Science*
from Cambridge University Press!

Are We Getting Smarter?

Rising IQ in the Twenty-First Century

James R. Flynn

\$65.00: Hb: 978-1-107-02809-8: 324 pp.
\$22.00: Pb: 978-1-107-60917-4

Cognition and Motivation

Forging an Interdisciplinary Perspective

Shulamith Kreitler

\$110.00: Hb: 978-0-521-88867-7: 520 pp.

Evolution and Rationality

Decisions, Co-operation and Strategic Behaviour

Samir Okasha *and*
Ken Binmore

\$99.00: Hb: 978-1-107-00499-3: 296 pp.

Experimental

Human-Computer Interaction

A Practical Guide with Visual Examples

Helen C. Purchase

\$110.00: Hb: 978-1-107-01006-2: 256 pp.
\$39.99: Pb: 978-0-521-27954-3

Handbook of Implementation Science for Psychology in Education

Barbara Kelly *and*
Daniel F. Perkins

\$150.00: Hb: 978-0-521-19725-0: 500 pp.

Hearing Voices

The Histories, Causes and Meanings of Auditory Verbal Hallucinations

Simon McCarthy-Jones

\$110.00: Hb: 978-1-107-00722-2: 470 pp.

Human Nature

Volume 70

Constantine Sandis *and*
Mark J. Cain

Royal Institute of Philosophy Supplements
\$39.00: Pb: 978-1-107-65197-5: 290 pp.

Third Edition!

Levels of Personality

Mark Cook

\$125.00: Hb: 978-1-107-02104-4: 360 pp.
\$55.00: Pb: 978-1-107-60540-4

Memory, Language, and Bilingualism

Theoretical and Applied Approaches

Jeanette Altarriba *and*
Ludmila Isurin

\$99.00: Hb: 978-1-107-00890-8: 384 pp.

Now in Paperback!

Nature and Nurture in Early Child Development

Daniel P. Keating

\$34.99: Pb: 978-1-107-69645-7: 307 pp.

Responding to Intimate Violence Against Women

The Role of Informal Networks

Renate Klein

Advances in Personal Relationships
\$85.00: Hb: 978-0-521-84985-2: 167 pp.

Structural Information Theory

The Simplicity of Visual Form

Emanuel Leeuwenberg *and*
Peter A. van der Helm

\$110.00: Hb: 978-1-107-02960-6: 400 pp.

The Cambridge Handbook of Human Affective Neuroscience

Jorge Armony *and*
Patrik Vuilleumier

\$120.00: Hb: 978-1-107-00111-4: 623 pp.
\$55.00: Pb: 978-0-521-17155-7

Now in Paperback!

The Cambridge Handbook of Psychology and Economic Behaviour

Alan Lewis

Cambridge Handbooks in Psychology
\$60.00: Pb: 978-1-107-65415-0: 586 pp.

The Environmental Psychology of Prisons and Jails

Creating Humane Spaces in Secure Settings

Richard E. Wener

Environment and Behavior
\$95.00: Hb: 978-0-521-45276-2: 314 pp.

The Nature-Nurture Debates

Bridging the Gap

Dale Goldhaber

\$85.00: Hb: 978-0-521-19536-2: 188 pp.
\$27.99: Pb: 978-0-521-14879-5

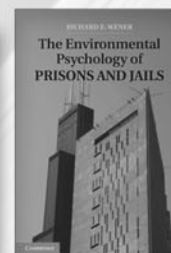
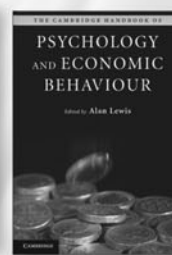
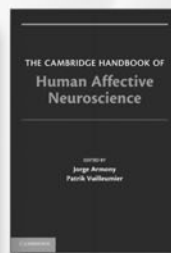
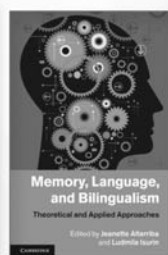
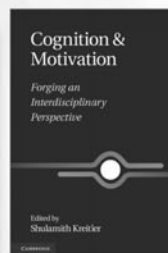
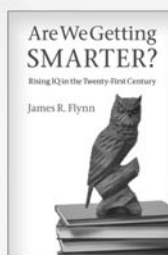
The Psychology of Personhood

Philosophical, Historical, Social-Developmental, and Narrative Perspectives

Jack Martin *and*
Mark H. Bickhard

\$99.00: Hb: 978-1-107-01808-2: 280 pp.

Prices subject to change.



Behavioral and Brain Sciences

Instructions for Authors and Commentators

<http://journals.cambridge.org/BBSJournal/Inst>

Behavioral and Brain Sciences (BBS) is a unique scientific communication medium, providing the service of Open Peer Commentary for reports of significant current work in psychology, neuroscience, behavioral biology or cognitive science. If a manuscript is judged by BBS referees and editors to be appropriate for Commentary (see Criteria below), it is circulated electronically to a large number of commentators selected (with the aid of systematic bibliographic searches and e-mail Calls for Commentators) from the BBS Associateship and the worldwide biobehavioral science community, including individuals recommended by the author. If you are not a BBS Associate and wish to enquire about joining, please see the instructions for associate membership at <http://journals.cambridge.org/BBSJournal/Inst>

Once the Commentary stage of the process has begun, the author can no longer alter the article, but can respond formally to all commentaries accepted for publication. The target article, commentaries, and authors' responses then co-appear in BBS. (Note: Continuing Commentary submissions are no longer being accepted.)

Criteria for acceptance: To be eligible for publication, a paper should not only meet the standards of a journal such as *Psychological Review* or the *International Review of Neurobiology* in terms of conceptual rigor, empirical grounding, and clarity of style, but the author should also offer an explicit 500 word rationale for soliciting Commentary, and a list of suggested commentators (complete with e-mail addresses).

A BBS target article can be: (i) the report and discussion of empirical research that the author judges to have broader scope and implications than might be more appropriately reported in a specialty journal; (ii) an unusually significant theoretical article that formally models or systematizes a body of research; or (iii) a novel interpretation, synthesis, or critique of existing experimental or theoretical work. Occasionally, articles dealing with social or philosophical aspects of the behavioral and brain sciences will be considered.

The service of Open Peer Commentary will be primarily devoted to original unpublished manuscripts written specifically for BBS treatment. However, a recently published book whose contents meet the standards outlined above spontaneously and multiply nominated by the BBS Associateship may also be eligible for Commentary. In such a BBS Multiple Book Review, a comprehensive, article-length précis by the author is published together with the commentaries and the author's response. In special cases, Commentary will also be extended to a position paper or an already published article that deals with particularly influential or controversial research or that has itself proven to be especially important or controversial. In normal cases however, BBS submissions may not be already published (either in part or whole) or be under consideration for publication elsewhere and submission of an article is considered expressly to imply this. Multiple book reviews and previously published articles appear by invitation only. Self-nominations cannot be considered, neither can non-spontaneous (i.e. author elicited) nominations. However, the BBS Associateship and professional readership of BBS are encouraged to nominate current topics, books and authors for Commentary; e-mail bbsjournal@cambridge.org

In all the categories described, the decisive consideration for eligibility will be the desirability of Commentary for the submitted material. Controversiality simpliciter is not a sufficient criterion for soliciting Commentary: a paper may be controversial simply because it is wrong or weak. Nor is the mere presence of interdisciplinary aspects sufficient: general cybernetic and "organismic" disquisitions are not appropriate for BBS. Some appropriate rationales for seeking Open Peer Commentary would be that: (1) the material bears in a significant way on some current controversial issues in behavioral and brain sciences; (2) its findings substantively contradict some well-established aspects of current research and theory; (3) it criticizes the findings, practices, or principles of an accepted or influential line of work; (4) it unifies a substantial amount of disparate research; (5) it has important cross-disciplinary ramifications; (6) it introduces an innovative methodology or formalism for broader consideration; (7) it meaningfully integrates a body of brain and behavioral data; (8) it places a hitherto dissociated area of research into an evolutionary or ecological perspective; etc. In order to assure communication with potential commentators (and readers) from other BBS specialty areas, all technical terminology must be clearly defined or simplified, and specialized concepts must be fully described. In case of doubt of appropriateness for BBS Commentary, authors should submit a detailed target article proposal using the new BBS Editorial Manager site at <http://www.editorialmanager.com/bbs/>. After evaluating the proposal, the Editors will encourage or discourage formal target article submission.

A note on commentaries: The purpose of the Open Peer Commentary service is to provide a concentrated constructive interaction between author and commentators on a topic judged to be of broad significance to the biobehavioral science community. Commentators should provide substantive criticism, interpretation, and elaboration as well as any pertinent complementary or supplementary material, such as illustrations; all original data will be refereed in order to assure the archival validity of BBS commentaries. Commentaries and articles should be free of hyperbole and remarks ad hominem. Please refer to and follow exactly the BBS Instructions for Commentators at <http://journals.cambridge.org/BBSJournal/Inst> before submitting your invited commentary.

Style and format for target articles: Target Articles must not exceed 14,000 words (and should ordinarily be considerably shorter); commentaries should not exceed

1,000 words, excluding references. Spelling, capitalization, and punctuation should be consistent within each article and commentary and should follow the style recommended in the latest edition of *A Manual of Style*, The University of Chicago Press. It is advisable to examine a recent issue of BBS as a model.

Target articles should be submitted in MSWord format to the new Editorial Manager site at <http://www.editorialmanager.com/bbs/>. Figures should appear in the body of the text, not at the end of the paper, and should also be supplied as separate TIFF, EPS, JPEG, or GIF files. However, if your article is accepted, TIFF or EPS format will be requested for publication since printing requires resolutions of at least 1100dpi. (Please note that costs for color figure reproduction will be passed along to the author. Color printing is expensive, and authors are encouraged to find alternative methods for presentation of their argument.) Once accepted, a Call for Commentators will be sent to thousands of BBS Associates and readers. The Call letter includes a link to the pre-copyedited final draft archived publicly for potential commentators. The copyedited final draft will only be posted for the invited commentators.

Please make sure your target article file has ALL of the following in this order: Four Separate Word Counts (for the abstract, main text, references, and entire text – total + addresses etc.), an Indexable Title, Full Name(s), Institutional Address(es), E-mail Address(es) and Homepage URL(s) for all authors (where available), Short Abstract (100 words), Long Abstract (250 words), 5–10 Keywords (in alphabetical order), approx. 12,000 word Main Text (with paragraphs separated by full blank lines, not tab indents), and Alphabetical Reference List. Target article authors must also provide numbered headings and subheadings to facilitate cross-reference by commentators. Tables and figures (i.e., photographs, graphs, charts, or other artwork) should be numbered consecutively, and should appear in its appropriate location. Every table should have a title; every figure, a caption.

Endnotes and appendices should be grouped together at the end of the paper and should ideally be locally linked to in the text to facilitate the reader (and of course the referee's task). Acknowledgements should be placed at the end of the paper.

The short abstract will appear by way of an advertisement, one issue in advance of the publication issue. The long abstract will be circulated to referees and then potential commentators should the paper be accepted, and will appear with the printed article. BBS's rigorous timetable constraints (requiring the coordination of target articles, commentaries and author's responses within the publishing queue) make it extremely difficult for us to process follow-up drafts of your submission. Please make sure that the paper you submit is the carefully checked final draft to which you wish the referees to address.

Please also ensure that your submission has been proof-read by a native English speaker before submission. This, of course, greatly improves its chances at the refereeing stage.

References: Bibliographic citations in the text must include the author's last name and the date of publication and may include page references. Complete bibliographic information for each citation should be included in the list of references. Please also include and link to the WWW URL for any paper for which it exists. Examples of correct styles are: Brown (1973); (Brown 1973); Brown 1973; 1978); (Brown 1973; Jones 1976); (Brown & Jones 1978); (Brown et al. 1978). References should be in alphabetical order in the style of the following examples. Do not abbreviate journal titles:

Freeman, W. J. (1958) Distribution in time and space of prepyriform electrical activity. *Journal of Neurophysiology* 2:644–66. <http://cogprints.soton.ac.uk/abs/neuro/199806009>

Denet, D. C. (1991) Two contrasts: Folk craft versus folk science and belief versus opinion. In: *The future of folk psychology: Intentionality and cognitive science*, ed. J. D. Greenwood, pp. 26–7. Cambridge University Press. <http://cogprints.soton.ac.uk/abs/phil/199804005>

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

Editing: The publishers reserve the right to edit and proof all articles and commentaries accepted for publication. Authors of target articles will be given the opportunity to review the copy-edited manuscript and page proofs. Commentators will be asked to review copy-editing only when changes have been substantial; commentators will not see proofs. Both authors and commentators should notify the editorial office of all corrections within 48 hours or approval will be assumed.

Author response to commentaries: All invited commentaries received before the deadline are only accessible to the Authors and Editors. Please note that no commentary is officially accepted until the Editor in charge has formally reviewed it and notified both the authors and the Editorial Administrator. Please refer to and follow exactly the BBS Commentary Response Instructions at <http://journals.cambridge.org/BBSJournal/Inst> before submitting your response.

Authors of target articles receive 50 offprints of the entire treatment, and can purchase additional copies. Commentators will also be given an opportunity to purchase offprints of the entire treatment.

In this issue

Offprints of the following forthcoming BBS treatments can be purchased for educational purposes if they are ordered well in advance. For ordering information, please write to Journals Department, Cambridge University Press, 32 Avenue of the Americas, New York, NY 10013-2473.

Beyond prejudice: Are negative evaluations the problem and is getting us to like one another more the solution?

John Dixon, Mark Levine, Steve Reicher, and Kevin Durrheim

To appear in upcoming issues (2013)

Cognitive systems for revenge and forgiveness

Michael E. McCullough, University of Miami, Robert Kurzban, University of Pennsylvania and Chapman University, and Benjamin A. Tabak, University of California–Los Angeles

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 receives 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.

With commentary from F Aureli & CM Schaffner; D Balliet & TM Pronk; P Barclay; S Beckerman; RJ Crisp & R Meleady; A Dellis & D Spurrett; R Fatfouta, A Jacobs & A Merkl; H Gintis; C Holbrook, DMT Fessler & MM Gervais; S Johnson-Freyd & JJ Freyd; JC Karremans & RC van der Wal; VJ Konečni; S Konrath & I Cheung; D Leiser & L Joskowicz-Jablonek; MG McCoy & TK Shackelford; K O'Connor & GS Adams; F Pahlavan; MB Peterson; D Pietraszewski; M Potegal; SC Roberts & J Murray; D Ross; AN Sell; DJ Stein, J van Honk & G Ellis; EL Uhlmann; TJ Wereha & TP Racine; R Yu

A mutualistic approach to morality

Nicolas Baumard, University of Oxford and University of Pennsylvania, Jean-Baptiste André, CNRS – Ecole Normale Supérieure, and Dan Sperber, CNRS and Central European University

What makes humans moral beings? This question can be understood either as a proximate “how” question or as an ultimate “why” question. The “how” question is about the mental and social mechanisms that produce moral judgments and interactions, and has been investigated by psychologists and social scientists. The “why” question is about the fitness consequences that explain why humans have morality, and has been discussed by evolutionary biologists in the context of the evolution of cooperation. Our goal here is to contribute to a fruitful articulation of such proximate and ultimate explanations of human morality. We do so by developing an approach focusing on recent developments in the study of mutualistic forms of cooperation and on their relevance to fairness-based morality.

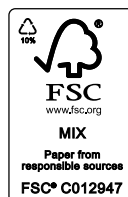
With commentary from G Ainslie; SE Ainsworth & RF Baumeister; MS Alvard; S Atran; K Binmore; JF Bonnefon, V Giatto, M Heimann & P Legrenzi; R Bshary & N Raihani; AW Cappelen & B Tungodden; MS Clark & E Boothby; F Cova, J Deonna & D Sander; P DeScioli; KA Dunfield & VA Kuhlmeier; DMT Fessler & C Holbrook; MJ Gill, DJ Packer & J Van Bavel; H Gintis; J Graham; F Guala; A Iran-Nejad & F Bordbar; D Kirkby, W Hinzen & J Mikhail; E Machery & S Stich; H Rachlin, ML Locey & V Safin; N Ramlakhan & A Brook; G Roberts; P Rochat & E Robbins; S Sachdeva, R Iliev & DL Medin; A Shaw & J Knobe; L Tummalini, C Scorolli & AM Borghi; F Warneken

Among the articles to appear in forthcoming issues of BBS:

- 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”
- 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”
- E. M. Pothos & J. R. Busemeyer, “Can quantum probability provide a new direction for cognitive modeling?”
- K. J. Jeffery, A. Jovalekic, M. Verriotis & R. Hayman, “Navigating in a three-dimensional world”
- E. Van de Vliert, “Climate-economic habitats support patterns of human needs, stresses, and freedoms”
- S. IJzerman, “Such stuff as dreams are made on? Elaborative encoding, the ancient art of memory and the hippocampus”
- R. Kurzban, A. Duckworth, J. W. Kable & J. Myers, “An opportunity cost model of subjective effort and task performance”
- B. R. Newell & D. R. Shanks, “Unconscious influences on decision making: A critical review”

Cambridge Journals Online

For further information about this journal please go to the journal website at:
journals.cambridge.org/bbs



CAMBRIDGE
UNIVERSITY PRESS