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scientific journal has now relaunched to take over from FRAME's previous publication, ATLA Abstracts. It is produced four times a year and is provided free to libraries and research institutions. It contains news & views, book reviews, original research articles and reviews, conference reports, conference diary, a correspondence page, comment section, and a list selected titles. The aim of the journal is to provide an international forum for discussion and debate on alternative methods to live animal experimentation and to act as a medium for the dissemination of alternatives research. success of the new ATLA will largely depend on the quality of the material submitted for publication. The journal distinguished and experienced has а Editorial Board, with editorial an policy independent of any specific bias. Articles are refereed and. once accepted, will be published within three months of first receipt. For further The details, please contact: Editors, FRAME, 5b The Poultry, Bank Place, Nottingham, UK.

The Behavioral and Brain Sciences

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The 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 then circulated to a large number of commentators selected (with the aid of systematic bibliographic searches) from the BBS Associateship* and the worldwide biobehavioral science community, including individuals recommended by the author.

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 author's response then co-appear in BBS. Continuing Commentary and replies can appear in later issues.

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 it should also offer a clear rationale for soliciting Commentary. That rationale should be provided in the author's covering letter, together with a list of suggested commentators. The original manuscript plus eight copies must be submitted.

A paper for BBS 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.

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Kupfermann, I. & Weiss, K. (1978) The command neuron concept. Behavioral and Brain Sciences 1:3-39.

Dunn, J. (1976) How far do early differences in mother-child relations affect later developments? In: Growing points in ethology, ed. P. P. G. Bateson & R. A. Hinde, pp. 1–10. Cambridge University Press.

Bateson, P. P. G. & Hinde, R. A., eds. (1976) Growing points in ethology.

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Preparation of the manuscript The entire manuscript, including notes and references, must be typed double-spaced on 81/2 by 11 inch or A4 paper, with margins set to 70 characters per line and 25 lines per page, and should not exceed 50 pages. Pages should be numbered consecutively. It will be necessary to return manuscripts for retyping if they do not conform to this standard.

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The Behavioral and Brain Sciences

To appear in Volume 7, Number 2 (1984)

Offprints of the following forthcoming BBS treatments can be purchased in quantity for educational purposes if they are ordered well in advance. For ordering information, please write to Journals Department, Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022.

The language bioprogram hypothesis Derek Bickerton, University of Hawaii at Manoa

It is hypothesized that creole languages are inventions by children of pidgin-speaking parents, that all creoles show fundamental similarities, and that these similarities derive from a species-specific biological program for language. Evidence from Hawaiian Pidgin and Hawaiian Creole shows that a creole language can emerge in a single generation. Structural similarities between Hawaiian and other creoles are shown to derive from a single grammar with a restricted list of categories and operations. Possible arguments against these hypotheses are discussed, and implications for child acquisition studies and the study of language origins are briefly surveyed.

With Commentary from E Bates; L Bloom; RF Cromer; N Hornstein; L Jenkins; FC Keil; M Maratsos; JC Marshall; P Muysken; R Posner; WJ Samarin; G Sampson; DI Slobin; WS-Y Wang; and others.

Multiple Book Review of Elements of Episodic Memory Endel Tulving, University of Toronto

Elements of episodic memory argues for a functional distinction between episodic and semantic memories as separate but closely interacting memory systems, reviews relevant experimental and clinical evidence, describes a general conceptual framework for the study of episodic memory, and discusses facts and concepts, derived from laboratory experiments, that have helped to formulate the episodic/semantic distinction and to shape the conceptual framework. Central concepts in the analysis of episodic remembering – encoding, encoding specificity, retrieval, ecphory, ecphoric information, recollective experience, and memory performance – are fied to experimental facts concerning recall and recognition of miniature events in the laboratory.

With Commentary from AD Baddeley; G d'Ydewalle & R Peeters; JF Kihlstrom; RL Klatzky; R Lachman & MJ Naus; EF Loftus & JW Schooler; L-G Nilsson; DS Olton; JGW Raaijmakers; JG Seamon; H Tajika; G Tiberghien; and others.

Toward a triarchic theory of human intelligence Robert J. Sternberg, Yale University

In this article, I present a synopsis of a triarchic theory of human intelligence. The theory comprises three subtheories: a contextual subtheory, which relates intelligence to the external world of the individual; a componential subtheory, which relates intelligence to the individual's internal world; and a two-facet subtheory, which relates intelligence to both the external and internal worlds. The contextual subtheory defines intelligent behavior in terms of purposive adaptation to, selection of, and shaping of real-world environments relevant to one's life. The two-facet subtheory further constrains this definition by regarding as most relevant to the demonstration of intelligence contextually intelligent behavior that involves either adaptation to novelty, automatization of information processing, or both. The componential subtheory specifies the mental mechanisms responsible for the learning, planning, execution, and evaluation of intelligent behavior.

With Commentary from J Baron; JW Berry; JB Carroll; DK Defferman; HJ Eysenck; LG Humphreys; AR Jensen; DR Olson; K Raaheim; MN Richelle; HC Triandis; LE Tyler; PE Vernon; SR Yussen; BJ Zimmerman; and others.

Among the articles to appear in forthcoming issues of BBS:

G Hoyle, "The scope of neuroethology"

M Zuckerman, "Sensation-seeking: A comparative approach to a human trait"

Special Issue: Canonical Papers of BF Skinner

SOE Ebbesson, "Evolution and ontogeny of neural circuits"

H. Rachlin, "Pain and behavior"

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