



Behavioral and Brain Sciences

Behavioral and Brain Sciences

is available online at:

<http://journals.cambridge.org/bbs>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Co-Editors

Paul Bloom, Yale University, USA

Barbara L. Finlay, Cornell University, USA

Behavioral and Brain Sciences is the internationally renowned journal with an innovative format known as Open Peer Commentary. Particularly significant and controversial pieces of work are published from researchers in any area of psychology, neuroscience, behavioural biology or cognitive science, together with 20–30 commentaries on each article from specialists within and across these disciplines, plus the author's response to them.

Price information is available at:
<http://journals.cambridge.org/bbs>

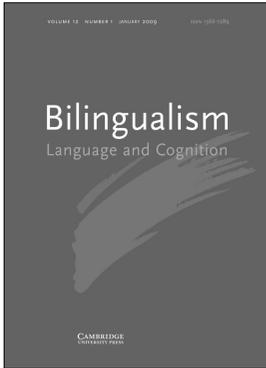
Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/bbs>



CAMBRIDGE
UNIVERSITY PRESS



Bilingualism

Language and Cognition

Bilingualism: Language and Cognition

is available online at:
<http://journals.cambridge.org/bil>

**To subscribe contact
Customer Services**

in Cambridge:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:
Phone (845) 353 7500
Fax (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editors

David W. Green, University College London, UK
Ping Li, University of Richmond, USA
Jürgen M. Meisel, Hamburg University, Germany
Carmen Silva-Corvalán, University of Southern California, USA

Bilingualism is an international peer-reviewed journal focusing on bilingualism from a cognitive science perspective. Areas covered include: bilingual language competence, perception and production, bilingual language acquisition in children and adults, neurolinguistics of bilingualism in normal and brain-damaged subjects, and non-linguistic cognitive processes in bilinguals.

Price information is available at:
<http://journals.cambridge.org/bil>

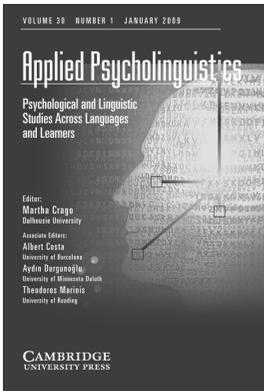
Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/bil>



CAMBRIDGE
UNIVERSITY PRESS



Applied Psycholinguistics

Applied Psycholinguistics

is available online at:
<http://journals.cambridge.org/aps>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Editor

Martha Crago, Université de Montréal, Canada

Applied Psycholinguistics publishes original research papers on the psychological processes involved in language. It examines language development and disorders in adults and children with and without developmental disabilities. Articles in *Applied Psycholinguistics* address the nature, acquisition, and impairments of language expression and comprehension, including writing and reading. This journal collects the best work from across linguistics, psychology, reading, education, language learning, sociology, speech and hearing, and neurology.

Price information is available at:
<http://journals.cambridge.org/aps>

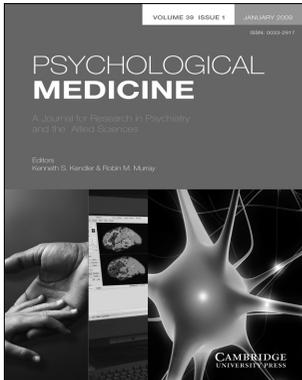
Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/aps>



CAMBRIDGE
UNIVERSITY PRESS



PSYCHOLOGICAL MEDICINE

Psychological Medicine

is available online at:

<http://journals.cambridge.org/psm>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

in New York:

Phone +1(845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Editor

Kenneth Kendler,

Virginia Institute for Psychiatric and Behavioral Genetics,
Virginia, USA

Professor R. Murray, Institute of Psychiatry, London, UK

Psychological Medicine is a leading international journal in the fields of psychiatry, related aspects of psychology and basic sciences. There are twelve issues a year, each featuring original articles reporting key research being undertaken worldwide, together with shorter editorials by distinguished scholars and an important book review section. The journal's success is clearly demonstrated by a consistently high impact factor.

Price information is available at:

<http://journals.cambridge.org/psm>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/psm>



CAMBRIDGE
UNIVERSITY PRESS

Advertising Opportunities

To advertise in this journal and for details of pricing, availability and discount opportunities please contact:

Advertising in UK, Europe and rest of world

The Advertising Sales Team
Cambridge University Press
The Edinburgh Building,
Shaftesbury Road,
Cambridge, UK, CB2 8RU
Tel: +44 (0)1223 325083
Email: ad_sales@cambridge.org

Advertising in USA, Mexico and Canada

Journals Advertising Coordinator
32 Avenue of the Americas,
New York,
NY 10013-2473, USA
Tel: +1 (212) 337 5053 Fax: +1 (212) 337 5959
E-mail: journals_advertising@cambridge.org



CAMBRIDGE
UNIVERSITY PRESS

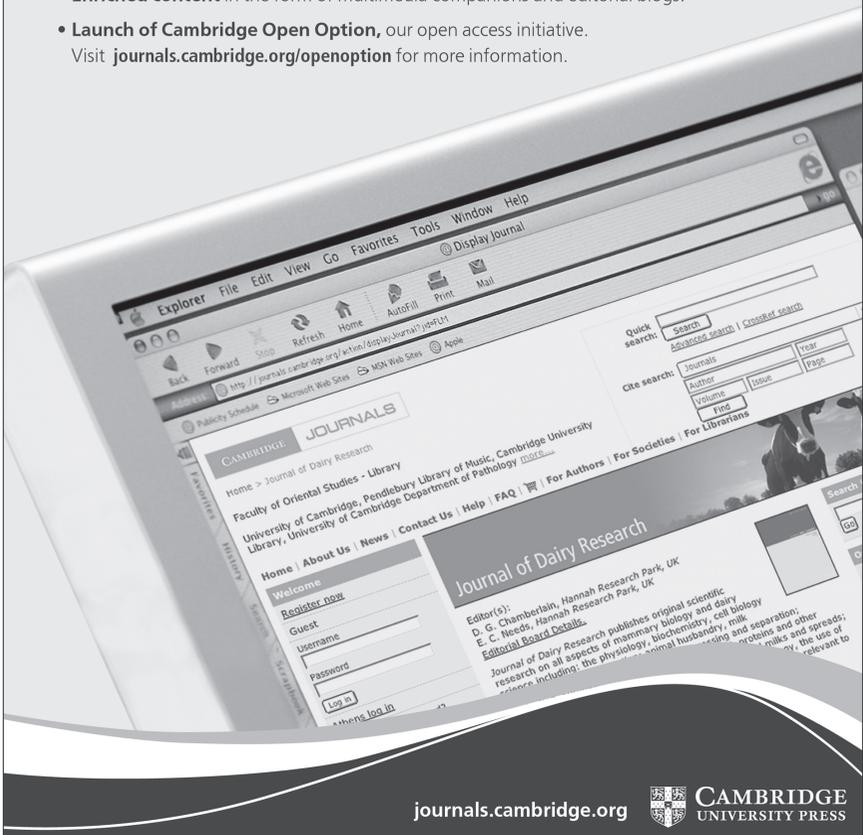
journals.cambridge.org

Advancing research. Increasing access.

Informed by detailed consultation with the library and research communities, we are constantly developing our industry-leading online journals platform.

Some recent advances include:

- **Refreshed site design**, facilitating rapid access to the most relevant content.
- **New advanced search interface** and a more detailed, fielded quick search function.
- **Enriched content** in the form of multimedia companions and editorial blogs.
- **Launch of Cambridge Open Option**, our open access initiative.
Visit journals.cambridge.org/openoption for more information.



Subscriptions

Journal of Child Language (ISSN 0305-0009) is published five times a year, in January, March, June, September and November; five parts form a volume.

The subscription price (excluding VAT) for institutions of Volume 37, 2010 is: £312 (\$530) for print and online access; £266 (\$453) for online-only access; £286 (\$479) for print-only access. For individuals ordering direct from the publishers and certifying that the journal is for the personal use the price is £60 (\$110) for print and online access; £56 (\$98) for print only. Single parts cost £63 each (\$105 in the USA, Canada and Mexico) plus postage.

The journal is offered to members of the *International Association for the Study of Child Language* at the special price of £27 (\$45).

Orders, which must be accompanied by payment, should be sent to a bookseller or subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK (in the USA, Canada and Mexico, to Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994–2133).

EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number.

Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

Prices include delivery by air when appropriate. Periodicals postage paid at New York, NY and at additional mailing offices.

Postmaster

Send address changes in the USA, Canada and Mexico to: *Journal of Child Language*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994–2133.

Copying

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes.

Code 0305-0009/2010 \$16.00. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from the Cambridge or the American Branch of Cambridge University Press.

Internet Access

This journal is included in the Cambridge Journals Online service which can be found at journals.cambridge.org/. For further information on other Press titles access cambridge.org/.

Instructions for contributors

Notes for contributors can be downloaded from the journal's website: journals.cambridge.org/jcl.

© Cambridge University Press 2010

Printed in the United Kingdom at the University Press, Cambridge

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the

| | |
|--|-----|
| Editorial | i |
| Review Article and Commentaries | |
| Iverson, Jana M. Developing language in a developing body: the relationship between motor development and language development | 229 |
| Smith, Linda B. Action as developmental process – a commentary on Iverson's 'Developing language in a developing body' | 263 |
| Adolph, Karen E., Tamis-LeMonda, Catherine S. & Karasik, Lana B. Cinderella indeed – a commentary on Iverson's 'Developing language in a developing body' | 269 |
| Oller, D. Kimbrough Vocal motoric foundations of spoken language – a commentary on Iverson's 'Developing language in a developing body' | 275 |
| Taylor, Catherine L. Early motor development is part of the resource mix for language acquisition – a commentary on Iverson's 'Developing language in a developing body' | 281 |
| Hill, Elisabeth L. Motor difficulties in specific language impairment: evidence for the Iverson account? – a commentary on Iverson's 'Developing language in a developing body' | 287 |
| Articles | |
| Lee, Sue Ann S., Davis, Barbara & MacNeilage, Peter Universal production patterns and ambient language influences in babbling: A cross-linguistic study of Korean- and English-learning infants | 293 |
| Fais, Laurel, Kajikawa, Sachiyo, Amano, Shigeaki & Werker, Janet F. Now you hear it, now you don't: Vowel devoicing in Japanese infant-directed speech | 319 |
| Chen, Li-Mei & Kent, Raymond D. Segmental production in Mandarin-learning infants | 341 |
| Krott, Andrea, Gagné, Christina L. & Nicoladis, Elena Children's preference for HAS and LOCATED relations: A word learning bias for noun–noun compounds | 373 |
| Leonard, Laurence B. & Deevy, Patricia Tense and aspect in sentence interpretation by children with specific language impairment | 395 |
| Brief Research Reports | |
| Jørgensen, Rune Nørgaard, Dale, Philip S., Bleses, Dorte & Fenson, Larry CLEX: A cross-linguistic lexical norms database | 419 |
| Glenwright, Melanie & Pexman, Penny M. Development of children's ability to distinguish sarcasm and verbal irony | 429 |
| Book Reviews | 453 |

Cambridge Journals Online

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



Mixed Sources

Product group from well-managed
forests and other controlled sources
www.fsc.org Cert no. SA-COC-1527
© 1996 Forest Stewardship Council

CAMBRIDGE
UNIVERSITY PRESS