

COMPARATIVE EXERCISE PHYSIOLOGY

The International Journal of Exercise Physiology, Biomechanics and Nutrition

CAMBRIDGE UNIVERSITY PRESS

Comparative Exercise Physiology

Editor-in-Chief

D. Marlin, David Marlin Consulting Ltd, PO Box 187, Newmarket, Suffolk CB8 1BA, UK

Tel: +44 1638 731298

Email: dm@davidmarlin.co.uk

North American Editor

K. McKeever, Rutgers University, USA

Editorial Board Members

T. Art, University of Liege, Belgium

E. Barrey, INRA, France

W. Bayly, Washington State University, USA

H. Clayton, Michigan State University, USA

M. Coenen, University of Hanover, Germany

R. Colborne, University of Bristol, UK

A. Courouce-Malblanc, Pégase-Mayenne, France

M. Davis, Oklhoma State University, USA

H. Erickson, Kansas State University, USA

B. Essen-Gustavsson, Swedish University of Agricultural Science, Sweden

J. Foreman, University of Illinois at Urbana-Champaign, USA

R. Geor, University of Guelph, Canada

A. Goodship, Royal Veterinary College, UK

P. Harris, WALTHAM Centre for Pet Nutrition, UK

K. Hinchcliff, Ohio State University, USA

D. Hodgson, University of Sydney, Australia

J. Jones, University of California at Davis, USA

P. Lekeux, University of Liege, Belgium

M. Lindinger, University of Guelph, Canada

A. Lindner, Arbeitsgruppe Pferd, Germany

J. McCutcheon, Virginia Tech, USA

B. Nielsen, Michigan State University, USA

R. Rose, University of Sydney, Australia

H. Schott, Michigan State University, USA

B. Schroter, Imperial College, UK

R. Slocombe, University of Melbourne, Australia

J. Thomason, University of Guelph, Canada

M. Tokuriki, Nihon University, Japan

S. Valberg, University of Minnesota, USA

M. Weishaupt, University of Zurich, Switzerland

J. Wood, University of Cambridge, UK

Submission of Manuscripts

Manuscripts should be submitted via our online manuscript submission and tracking site, **www.edmgr.com/ecep**. Full instructions for electronic submission are available directly from this site and from journals.cambridge.org/cep. To facilitate rapid reviewing, communications for peer review will be electronic and authors will need to supply a current e-mail address when registering to use the systems.

Full Notes for Authors are available from:

journals.cambridge.org/cep, and an abbreviated version is printed at the back of this issue.

Subscriptions

Comparative Exercise Physiology (ISSN 1478-0615) is published four times a year in February, May, August and November. The subscription price for institutions of Volume 6 (2009) which includes electronic access and delivery by air is £315 (US \$610 in the USA, Canada and Mexico); the electronic only price for institutions is £251 (US \$486 in the USA, Canada and Mexico). Single parts are £81 (US \$156 in the USA, Canada and Mexico), plus postage.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nuack, 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.

Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay. Periodicals postage paid at New York and at additional mailing offices. Postmaster: send address changes in the USA, Canada and Mexico to: *Comparative Exercise Physiology*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Claims for missing issues should be made immediately on receipt of the subsequent issue.

Advertising

Advertising queries for all parts of the world *except* the USA, Canada and Mexico to the Journals Advertising Co-ordinator: Rebecca Curtis, ad_sales@cambridge.org Address enquiries in the USA, Mexico and Canada *only* to: journals_advertising@cup.org

Copying

This journal is registered with the Copyright Clearance Centre, 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 U. S. Copyright law) subject to promotional or commercial purposes. Code 1478-0615/2009 \$16.00. *ISI Tear Sheet Service*, 3501 Market Street, Philadelphia, PA 19104, USA is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. *For all other use*, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Internet Access

The online edition is available at: journals.cambridge.org/cep with free table of contents alerts (upon registration).

CAMBRIDGE UNIVERSITY PRESS

The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK

32 Avenue of the Americas, New York, NY 10013-2473, USA 477 Williamstown Road, Port Melbourne VIC 3207, Australia

Typeset by Alden Prepress Services, Chennai, India. Printed by Latimer Trend, Plymouth, UK.

Front cover images: left, ©2007 Marcie Heacox; centre and right, Shutterstock.