The Proceedings of the Nutrition Society

VOLUME 54 NUMBER 1 MARCH 1995

Le Symposium Lavoisier







EDITED FOR THE NUTRITION SOCIETY

D. A. T. SOUTHGATE

Chairman of the Editorial Board

J.-F. DESJEUX

Editorial Direction for Le Symposium Lavoisier

The Nutrition Society has as its object the advancement of the scientific study of nutrition and its application to the maintenance of human and animal health.

Application for membership is invited from anyone whose work has contributed to the scientific knowledge of nutrition, whether such work has been in the laboratory, the field or the clinic, and whether experimental, clinical, agricultural or statistical in nature. There is also a student membership scheme with reduced subscriptions.

Particulars of The Nutrition Society and application forms for membership may be had from the Honorary Secretary, Dr. J. C. Mathers, The Nutrition Society, 10 Cambridge Court, 210 Shepherds Bush Road, London W6 7NJ.

The Proceedings of The Nutrition Society, published by Cambridge University Press, in part record meetings of the Symposium type, at which experts in a particular field are invited by Council to make contributions on specific parts of it and at which general discussion follows these invited contributions. The meetings also include sessions at which original communications are presented by members and others. Abstracts of communications accepted at the meetings are published in the *Proceedings*. The *Proceedings* are published three times a year.

The British Journal of Nutrition is published monthly by Cambridge University Press for The Nutrition Society, which owns it and controls its publication. It is devoted to reports of original work in all branches of nutrition, the term 'original work' not implying that the papers must invariably be based on new facts. The British Journal of Nutrition does not print reviews of the literature or polemical articles, but the Editorial Board is willing to consider original articles critically re-examining published information and the conclusions drawn from it.

Nutrition Research Reviews, published annually by Cambridge University Press, presents authoritative and critical reviews of research that advance new concepts and encourage fresh thinking on a variety of nutritional problems. The journal's main objective is to encourage the exchange of fundamental ideas on nutritional well-being.

Subscriptions to the Society's Publications. For non-members of the Nutrition Society the subscription including postage (excluding VAT) to Volume 54, 1995 of the *Proceedings*, is £126, payable in advance to the Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU or to any bookseller. The subscription in USA, Canada and Mexico is US \$240 and enquiries should be addressed to the Cambridge University Press, Journals Department, 40 West 20th Street, New York, NY 10011–4211. 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. All orders must be accompanied by payment. Japanese prices for institutions (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

The annual subscription (excluding VAT) to the Journal is £282 (US \$528 in the USA, Canada and Mexico). The subscription (excluding VAT) to Nutrition Research Reviews is £49 (USA, Canada and Mexico \$89). The price for single issues of the Journal is £29 (USA, Canada and Mexico \$46). Single issues of the Proceedings are £44 net (USA, Canada and Mexico \$85), postage extra. POSTMASTER: send address changes in USA, Canada and Mexico to Proceedings of the Nutrition Society, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-4930.

A claim for the replacement of a publication lost in transmission will not be entertained unless made immediately upon receipt of the subsequent issue.

Copying. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. 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 \$11. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0029–6651/95/4900–4900 \$11. 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 American Branch of Cambridge University Press.

© The Nutrition Society, 1995.