

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. The subscription (excluding VAT) to volume 9, 1996, is £50 including postage (US \$90 in USA, Canada and Mexico).

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 papers are communicated by members and others on original work. It is proposed at present to publish summaries of the papers read at each meeting, each communication being recorded in the Society's *Proceedings* by means of an abstract not exceeding in length 400 words or the equivalent space in print. The *Proceedings* are published three times a year.

The subscription (excluding VAT) to the *Proceedings* is £144.00 (US \$264.00 in USA, Canada and Mexico). Single issues are £53.00 (US \$98.00 in the USA, Canada and Mexico) each; postage extra.

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 the US copyright law) subject to payment to C.C.C. of the per-copy fee of \$11.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0007-1145/96 \$11.00+.10. 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 Cambridge or the American Branch of Cambridge University Press.

Information on *The British Journal of Nutrition* and all other Cambridge journals is available on <http://www.cup.cam.ac.uk/> and in North America on <http://www.cup.org/>.

INDEX OF AUTHORS

Aggett, P. J.	291	Fuller, N. J.	161	Paxton, P.	161
Ågren, G.	281	Geraert, P. A.	195, 205	Payne, P. R.	237
Barry, J.-L.	263	Ghusain-Choueiri, A.	237	Powers, H. J.	315
Belton, N. R.	151	Guillaumin, S.	195, 205	Rémésy, C.	301
Bequette, B. J.	217	Hallmans, G.	281	Rérat, A.	175
Bernard, A.	249	Henry, C. J.	237	Revell, D. K.	217
Bonnet, C.	263	Hurrell, R. F.	291	Rumsey, R. D. E.	315
Brown, D. S.	217	Kastenmayer, P.	291	Ruxton, C. H. S.	151
Calder, A. G.	217	Kirk, T. R.	151	Sawyer, M. B.	161
Calmes, R.	175	Lahaye, M.	263	Sjöström, R.	281
Carlier, H.	249	Lobley, G. E.	217	Tidehag, P.	281
Caselli, C.	249	Lundin, E.	281	Vaissade, P.	175
Connell, A.	217	Mabeau, S.	263	Williams, E. A.	315
Corring, T.	175	Mathieu, Y.	249	Wing, K.	281
Coward, W. A.	161	Mackenzie, J.	291	Younes, H.	301
Davidsson, L.	291	Michel, C.	263	Zhang, J.-X.	281
Demigné, C.	301	Padilha, J. C. F.	195, 205		
Elia, M.	161				

CONTENTS

Dietary intake in Scottish schoolchildren

- Energy and nutrient intakes in a sample of 136 Edinburgh 7–8-year olds: a comparison with United Kingdom dietary reference values. *C. H. S. Ruxton, T. R. Kirk & N. R. Belton* 151–160

Energy expenditure in elderly men

- Components of total energy expenditure in free-living elderly men (over 75 years of age): measurement, predictability and relationship to quality-of-life indices. *N. J. Fuller, M. B. Sawyer, W. A. Coward, P. Paxton & M. Elia* 161–173

Nutrient absorption kinetics in pigs

- Kinetics of amino acid and glucose absorption following pancreatic diversion in the pig. *A. Rerat, R. Calmes, T. Corring & P. Vaissade* 175–193

Chronic heat exposure in chickens

- Metabolic and endocrine changes induced by chronic heat exposure in broiler chickens: growth performance, body composition and energy retention. *P. A. Geraert, J. C. F. Padilha & S. Guillaumin* 195–204

- Metabolic and endocrine changes induced by chronic heat exposure in broiler chickens: biological and endocrinological variables. *P. A. Geraert, J. C. F. Padilha & S. Guillaumin* 205–216

Amino acid transfers across splanchnic bed in sheep

- Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture. *G. E. Lobley, A. Connell, D. K. Revell, B. J. Bequette, D. S. Brown & A. G. Calder* 217–235

Protein metabolism

- Protein utilization, growth and survival in essential-fatty-acid-deficient rats. *Christiani Jeyakumar Henry, Amal Ghusain-Choueiri & Philip R. Payne* 237–248

Lipid absorption

- Partition of oleic acid between the lymph and portal blood in rats having a diverted bile–pancreatic duct. *Y. Mathieu, C. Caselli, A. Bernard & H. Carlier* 249–261

Fermentation of algal fibres

- In vitro* fermentation by human faecal bacteria of total and purified dietary fibres from brown seaweeds. *Catherine Michel, Marc Lahaye, Christian Bonnet, Serge Mabeau & Jean-Luc Barry* 263–280

Mineral absorption

- A comparison of iron absorption from single meals and daily diets using radioFe (⁵⁵Fe, ⁵⁹Fe). *Per Tidehag, Göran Hallmans, Kenneth Wing, Rolf Sjostrom, Göran Ågren, Eva Lundin & Jie-Xian Zhang* 281–289

- Zinc and calcium apparent absorption from an infant cereal: a stable isotope study in healthy infants. *Lena Davidsson, Jill Mackenzie, Peter Kastenmayer, Peter J. Aggett & Richard F. Hurrell* 291–300

- Acidic fermentation in the caecum increases absorption of calcium and magnesium in the large intestine of the rat. *Hassan Younes, Christian Demigné & Christian Remesy* 301–314

Effects of riboflavin deficiency

- Cytokinetic and structural responses of the rat small intestine to riboflavin depletion. *E. A. Williams, R. D. E. Rumsey & H. J. Powers* 315–324

Announcements

325–326

