

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 8, 1995, is £49 including postage (US \$89 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 £126.00 (US \$240.00 in USA, Canada and Mexico). Single issues are £44.00 (US \$85.00 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 0007-1145/95 \$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.

INDEX OF AUTHORS

Aguilera, J. F.	163	King, J. C.	261	Rautureau, J.	251
Akiba, Y.	173	Kuipers, F.	197	Rémésy, C.	209
Andrieux, C.	239	Kyriazakis, I.	183	Roland, N.	239
Asp, N.-G.	229			Roos, N.	251
		Leung, P.	151		
Benamouzig, R.	251	Levrat, M.-A.	209	Sick, H.	251
Besson, C.	209	Lin, Y.	197	Slooff, M. J. H.	197
Bouley, C.	251	Luengo, C.	251	Smit, M. J.	197
Bronstein, M. N.	261			Southgate, D. A. T.	149
		Mahé, S.	251	Szylit, O.	239
Demigné, C.	209	Mak, R. P.	261		
		Morand, C.	209	Takahashi, K.	173
Eastwood, M. A.	221	Moundras, C.	209	Tamura, K.	173
Emmans, G. C.	183			Tome, D.	251
		Nieto, R.	163		
Fernández-Figares, I.	163	Nugon-Baudon, L.	239	Vonk, R. J.	197
		Önning, G.	229		
Gaudichon, C.	251	Prieto, C.	163	Wanitprapha, K.	151
Gelissen, I. C.	221				
Huneau, J.-F.	251	Quinn, L. A.	151	Yodogawa, S.	173

CONTENTS

Editorial

Communicating with Authors. *D. A. T. Southgate* 149-150

Recipe-based diet planning

A recipe-based, diet planning modelling system. *PingSun Leung, Kulavit Wanitprapha & Lynne A. Quinn* 151-162

Effects of dietary protein in chickens

Effects of dietary protein quality on energy metabolism in growing chickens. *R. Nieto, C. Prieto, I. Fernández-Figares & J. F. Aguilera* 163-172

Effect of dietary protein concentration on responses to *Escherichia coli* endotoxin in broiler chickens. *Kazuaki Takahashi, Shinichi Yodogawa, Yukio Akiba & Keiji Tamura* 173-182

Protein metabolism in pigs

Do breeds of pig differ in the efficiency with which they use a limiting protein supply? *I. Kyriazakis & G. C. Emmans* 183-195

Effects of propionate in isolated hepatocytes

Differences in propionate-induced inhibition of cholesterol and triacylglycerol synthesis between human and rat hepatocytes in primary culture. *Yuguang Lin, Roel J. Vonk, Maarten J. H. Slooff, Folkert Kuipers & Martin J. Smit* 197-207

Effect of propionate on fatty acid and cholesterol synthesis and on acetate metabolism in isolated rat hepatocytes. *Christian Demigné, Christine Morand, Marie-Anne Levrat, Catherine Besson, Corinne Moundras & Christian Rémésy* 209-219

Non-starch polysaccharides and bile acids

Taurocholic acid adsorption during non-starch polysaccharide fermentation: an *in vitro* study. *Ingrid C. Gelissen & Martin A. Eastwood* 221-228

Effects of dietary fibre in rats

Effect of oat saponins and different types of dietary fibre on the digestion of carbohydrates. *G. Önning & N.-G. Asp* 229-237

Comparative study of the fermentative characteristics of inulin and different types of fibre in rats inoculated with a human whole faecal flora. *Nathalie Roland, Lionelle Nugon-Baudon, Claude Andrieux & Odette Szyliet* 239-249

Digestion of protein from milk and yoghurt

Exogenous and endogenous nitrogen flow rates and level of protein hydrolysis in the human jejunum after [¹⁵N]milk and [¹⁵N]yoghurt ingestion. *Claire Gaudichon, Sylvain Mahé, Nils Roos, Robert Benamouzig, Catherine Luengo, Jean-François Huneau, Hinrich Sick, Christine Bouley, Jacques Rautureau & Daniel Tome* 251-260

continued on page facing inside back cover

For Index of Authors see inside back cover

CAMBRIDGE
UNIVERSITY PRESS



0007-1145(199508)74:2;1-G