

**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 £117.00 net (US \$229.00 in USA, Canada and Mexico). Single issues are £41.00 (US \$79.00 in the USA, Canada and Mexico) each; postage extra.

**Copying.** This journal is registered with the Copyright Clearance Center, 27 Congress Street, Salem, Mass. 01970. 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 \$5.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0007-1145/94 \$5.00 + .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 Cambridge or the American Branch of Cambridge University Press.

#### INDEX OF AUTHORS

Andersen, L. M.	531	Freudenberger, D. O.	489	Quirke, J. F.	501
Annisson, E. F.	515	Fuhrmann, H.	605	Rocha, H. J. G.	501
Bach Knudsen, K. E.	471	Hartmann, P. E.	553	Rössner, S.	457
Ball, A. J.	489	Huisman, J.	627	Sallmann, H.-P.	605
Balthazary, S. T.	605	Jansman, A. J. M.	627	Siriwan, P.	515
Barry, T. N.	489	Kitts, D. D.	513	Southgate, D. A. T.	455
Batterham, E. S.	531	Lobley, G. E.	501	Stokes, C. R.	615
Bird, P. H.	553	Maunder, K.	543	Suttie, J. M.	489
Bryden, W. L.	515	Miller, B. G.	615	Telemo, E.	615
Buchan, V.	501	Milne, E.	501	Toyakawa, K.	489
Buffenstein, R.	582	Nash, J. E.	501	Versteegen, M. W. A.	627
Calder, G. A.	501	O'Dea, K.	563	Whittemore, C. T.	615
Cameron-Smith, D.	563	Öhlin, A.	457	Williams, C. M.	543
Collier, G. R.	563	Pitcher, T.	573	Wisker, E.	471
Daniel, M.	471			Yuan, Y. V.	583
Eggum, B. O.	471				
Enting, H.	627				
Feldheim, W.	471				

CONTENTS

**Editorial**

Time to decide. *D. A. T. Southgate* 455-456

**Dietary intake and other factors affecting postpartum development**

Trends in eating patterns, physical activity and socio-demographic factors in relation to postpartum body weight development. *Agneta Öhlin & Stephan Rössner* 457-470

**Digestion of nutrients**

Digestibility of energy, protein, fat and non-starch polysaccharides in mixed diets: comparative studies between man and the rat. *K. E. Bach Knudsen, Elisabeth Wisker, Martina Daniel, W. Feldheim & B. O. Eggum* 471-487

Seasonality in digestion and rumen metabolism in red deer (*Cervus elaphus*) fed on a forage diet. *D. O. Freudenberger, K. Toyakawa, T. N. Barry, A. J. Ball & J. M. Suttie* 489-499

**Effects of hormones on protein synthesis**

The effect of acute and chronic administration of the  $\beta$ -agonist, cimaterol, on protein synthesis in ovine skin and muscle. *J. E. Nash, H. J. G. Rocha, V. Buchan, G. A. Calder, E. Milne, J. F. Quirke & G. E. Lobley* 501-513

**Amino acid utilization**

Use of guanidinated dietary protein to measure losses of endogenous amino acids in poultry. *P. Siriwan, W. L. Bryden & E. F. Annison* 515-529

Utilization of ileal digestible amino acids by growing pigs: isoleucine. *E. S. Batterham & L. M. Andersen* 531-541

**Dietary fatty acid composition and chemically-induced cancers**

The influence of dietary fatty acid composition on *N*-ethyl-*N*-nitrosourea-induced mammary tumour incidence in the rat and on the composition of inositol- and ethanolamine-phospholipids of normal and tumour mammary tissue. *Christine M. Williams & Karen Maunder* 543-552

**Responses to feeding of galactose and glucose**

The response in the blood of piglets to oral doses of galactose and glucose and intravenous administration of galactose. *P. H. Bird & P. E. Hartmann* 553-561

**Effects of viscosity on the glycaemic response**

Effect of soluble dietary fibre on the viscosity of gastrointestinal contents and the acute glycaemic response in the rat. *D. Cameron-Smith, G. R. Collier & K. O'Dea* 563-571

**Absorption of minerals in the hind gut**

Passive uptake in the small intestine and active uptake in the hindgut contribute to the highly efficient mineral metabolism of the common mole-rat, *Cryptomys hottentous*. *Tammy Pitcher & Rochelle Buffenstein* 573-582

*continued on page facing inside back cover*

*For Index of Authors see inside back cover*

CAMBRIDGE  
UNIVERSITY PRESS



0007-1145(199404)71:4;1-W