

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, 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 \$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

Ategbo, E-A. D.	479	Hautvast, J. G. A. J.	479	Robertson, S.	447
Bakaliou, F.	427	Holcome, G. D.	435	Robson, P. J.	343
Barry, T. N.	467	Hoorweg, J.	479	Savage, E. D. J. M.	343
Beety, J. M.	385	Lawrance, P. R.	435	Singh, M.	447
Boreham, C. A. G.	343	Lee, S. M.	435	Smith, G.	369
Buss, D. H.	435	Lewis, J.	435	Smithard, R.	455
Campbell, N. R. C.	447	Livingstone, M. B. E.	343	Southgate, D. A. T.	341
Chakraborty, J.	385	Makink, C. A.	353	Strain, J. J.	343
Cran, G. W.	343	Maskell, I.	455	Terrill, T. H.	467
Devery, J.	397	McNabb, W. C.	467	Thijssen, H. H. W.	415
Drittij-Reijnders, M. J.	415	Milborrow, B. V.	397	Tredger, J. A.	385
Fleck, A.	369	Morgan, L. M.	385	Trivedi, A.	427
Furlonger, N.	385	Negulescu, G. P.	353	Van Liere, Marti J.	479
Guixin, Q.	353	Nelson, M.	427	Verstegen, M. W. A.	353
den Hartog, A. P.	479	Overton, P. D.	385	Waghorn, G. C.	467
Hasinoff, B. B.	447	Primrose, E. D.	343	Weidel, S. E.	369
				Wooley, D. J.	467

CONTENTS

Editorial

...Scientific Interchange. *D. A. T. Southgate* 341-342

Food and macronutrient intake of adolescents

Estimates of food and macronutrient intake in a random sample of Northern Ireland adolescents. *J. J. Strain, P. J. Robson, M. B. E. Livingstone, E. D. Primrose, J. M. Savage, G. W. Cran & C. A. G. Boreham* 343-352

Effects of protein source on growth and intestinal maturation in piglets

Effect of dietary protein source on feed intake, growth, pancreatic enzyme activities and jejunal morphology in newly-weaned piglets. *Caroline A. Makkink, George Puia Negulescu, Qin Guixin & Martin W. A. Verstegen* 353-368

Albumin metabolism in malnutrition

The effects of experimental malnutrition on albumin metabolism and distribution in rabbits. *S. E. Weidel, G. Smith & A. Fleck* 369-384

Sugar-beet fibre and lipid metabolism

The effects of dietary sugar-beet fibre and guar gum on lipid metabolism in Wistar rats. *P. D. Overton, N. Furlonger, J. M. Beety, J. Chakraborty, J. A. Tredger & L. M. Morgan* 385-395

Isolation and mechanism of B-carotene dioxygenase

β -Carotene-15,15'-dioxygenase (EC 1.13.11.21) isolation, reaction mechanism and an improved assay procedure. *Jannine Devery & B. V. Milborrow* 397-414

Tissue distribution of vitamin K

Vitamin K distribution in rat tissues: dietary phyloquinone is a source of tissue menaquinone-4. *H. H. W. Thijssen & M. J. Drittij-Reijnders* 415-425

Iron deficiency and physical performance

Iron-deficiency anaemia and physical performance in adolescent girls from different ethnic backgrounds. *M. Nelson, F. Bakaliou & A. Trivedi* 427-433

Iodine in British foods and diets

Iodine in British foods and diets. *Susan M. Lee, Janet Lewis, David H. Buss, Gillian D. Holcombe & Paul R. Lawrance* 435-446

Interactions in the absorption of folic acid

Ferrous sulphate does not directly affect pteroylmonoglutamic acid absorption in rats. *Norman R. C. Campbell, Brian B. Hasinoff, Mukhtiar Singh & Susan Robertson* 447-453

continued on page facing inside back cover

For Index of Authors see inside back cover

CAMBRIDGE
UNIVERSITY PRESS



0007-1145(199409)72:3;1-H