

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 0007-1145/90 \$5.00 + .00.

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.

The Proceedings of the Nutrition Society, published by the 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 contributions will be published *in extenso*; such summaries of the ensuing discussions as circumstances warrant may also be published. The Society also holds scientific meetings at which papers are communicated by members and others on original work carried out by them. 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 to the *Proceedings* is £81 in UK, £85 elsewhere net (US \$180.00 in USA and Canada). Single issues are £29.00 (US \$69.00 in the USA and Canada) each; postage extra.

INDEX OF AUTHORS

Ballesta, M. C.	487	Greger, J. L.	505	Reid, N. G.	319
Barker, M. E.	319	Grimble, R. F.	339	Rosebrough, R. W.	515
Bauer, M.	439	Hart, A. D.	339	Rossowska, M. J.	553, 561
Behling, A. R.	505	Hautvast, J. G. A. J.	413	Sanders, T. A. B.	331
Bell, A. W.	449, 463	Hercberg, S.	541	Seiquer, I.	487
Beudeker, R. F.	525	Hibbert, J.	371	Shatrugna, V.	351
Beynen, A. C.	473	Jackson, A. A.	371	Simons, P. C. M.	525
Bird, A. R.	449, 463	Jacobsson, K.-G.	359	Sirtori, C. R.	473
Bonta, I. L.	497	Jongbloed, A. W.	525	Sivakumar, B.	351
Bos, K. D.	525	Kaup, S. M.	505	Slump, P.	525
Britton, R. A.	439	Kemme, P. A.	525	Steele, N. C.	515
Burrin, D. G.	439	Lauwen, A. P. M.	497	Sutton III, F. S.	561
Chandler, K. D.	449, 463	Leury, B. J.	449, 463	Thompson, K. A.	319
Chauliac, M.	541	Lindberg, J. E.	359	Tomlin, J.	589
Cherouvrier, F.	541	Lovati, M. R.	473	Verschoor, G. J.	525
Choquette, L. L.	505	McClellan, S. I.	319	Versteegh, H. A. J.	525
Colavita, C.	307	Macdonald, I. A.	427	von Vleck, M. F.	515
Cummings, J. H.	387	Mañas, M.	487	West, C. E.	473
deBenoist, M.-H.	371	Martínez-Victoria, E.	487	Weststrate, J. A.	413
Deurenberg, P.	413	Mataix, F. J.	487	Wolters, M. G. E.	525
Dinh, C.	561	Mathers, J. C.	569	Wright, A. J. A.	547
Doherty, J.	371	Mitchell, A. D.	515	Wunnink, I.	413
D'Orsi, R.	307	Nakamoto, T.	553, 561	Yasodhara, P.	351
Eisemann, J. H.	399	Neale, G.	387	Yazdani, M.	561
Elliott, G. R.	497	Nienaber, J. A.	399	Zohoun, I.	541
Fairweather-Tait, S. J.	547	Panth, M.	351	Zohoun, T.	541
Ferrell, C. L.	439	Persaud, C.	371		
Florin, T. H. J.	387	Read, N. W.	589		
Galan, P.	541	Reddy, S.	331		
Gallen, I. W.	427				
Goodlad, J. S.	569				
Gottschalk, S. B.	561				

CONTENTS

Editorial

Dietary recommendations: how do we move forward? 301-305

Nutrient Intakes: Models and Surveys

Linear programming and pediatric dietetics. *Ciro Colavita & Renato D'Orsi* 307-317

Dietary behaviours and sociocultural demographics in Northern Ireland. *M. E. Barker, S. I. McClean, K. A. Thompson & N. G. Reid* 319-329

Haematological studies on pre-menopausal Indian and Caucasian vegetarians compared with Caucasian omnivores. *Sheela Reddy & T. A. B. Sanders* 331-338

Pregnancy and Lactation

The effect of methylxanthines on milk volume and composition, and growth of rat pups. *Alexandra D. Hart & R. F. Grimble* 339-350

Effect of vitamin A supplementation on haemoglobin and vitamin A levels during pregnancy. *Meena Panth, Veena Shatrugna, P. Yasodhara & B. Sivakumar* 351-358

Nitrogen Metabolism

Nitrogen and purine metabolism at varying energy and protein supplies in sheep sustained on intragastric infusion. *J. E. Lindberg & K.-G. Jacobsson* 359-370

The effect of the level of dietary protein, carbohydrate and fat on urea kinetics in young children during rapid catch-up weight gain. *Alan A. Jackson, J. Doherty, M.-H. de Benoist, J. Hibbert & C. Persaud* 371-385

The effect of dietary nitrate on nitrate and nitrite excretion in man. *T. H. J. Florin, G. Neale & J. H. Cummings* 387-397

Energy Metabolism

Tissue and whole-body oxygen uptake in fed and fasted steers. *J. H. Eisemann & J. A. Nienaber* 399-411

Alcohol and its acute effects on resting metabolic rate and diet-induced thermogenesis. *Jan A. Weststrate, Ingrid Wunnink, Paul Deurenberg & Joseph G. A. J. Hautvast* 413-425

The effects of underfeeding for 7 d on the thermogenic and physiological response to glucose and insulin infusion (hyperinsulinaemic euglycaemic clamp). *I. W. Gallen & I. A. Macdonald* 427-437

Level of nutrition and visceral organ size and metabolic activity in sheep. *D. G. Burrin, C. L. Ferrell, R. A. Britton & Marc Bauer* 439-448

continued on page facing inside back cover

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP

40 West 20th Street, New York, NY 10011, USA

10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by the University Press, Cambridge