

INDEX OF AUTHORS

Beever, D. E.	621	Janghorbani, M.	443	Rainbird, A. L.	489, 499
Bird, S. H.	607	Jeacock, M. K.	529	Rodenburg, L.	429
Black, J. L.	621	Johnson, I. T.	477	Rogers, Q. R.	595
Bradbury, J. H.	507	Joyce, J.	529		
Buchan, W.	523			Scott, D.	523
Buttery, P. J.	515	Kasper, L. J.	443	Shepherd, D. A. L.	529
		Kyle, D. J.	561	Smart, R. I.	561
Chesson, A.	583			Storm, E.	613
Collins, J. G.	507	Leng, R. A.	607		
		Low, A. G.	489, 499	Teeuwse, V.	429
Deurenberg, P.	429			Thornley, J. H. M.	621
Dhuyvetter, J.	429	McLean, A. F.	523		
		Mahoney, R. R.	477	Van der Beek, E.	429
Eaton, P. M.	457, 469	Martinez, J. A.	515	Van Es, A. J. H.	429
		Millard, P.	583	Veth, J.	429
Fattet, I.	561	Millward, D. J.	545	Vogt, J. E.	429
		Morris, J. G.	595		
Gee, J. M.	477			Wharton, B. A.	457, 469
Gill, M.	621	Niessen, Ch.	429	Wharton, P. A.	457, 469
Giugliano, R.	545				
Goswami, U. C.	575	Oldham, J. D.	621	Young, V. R.	443
		Ørskov, E. R.	561, 613		
Hargrove, D. M.	595			Zebrowska, T.	489
Hatfield, G. M.	529	Pearson, J. T.	515		
Hautvast, J. G. A. J.	429	Pennie, K.	561		
Hovell, F. D. DeB	561	Pylotis, N. A.	507		

Copying. This journal is registered with the Copyright Clearance Center, 21 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 \$05.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0007-1145/84/0051-0052 \$05.00.

ISI Tear 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 the Cambridge or New York offices of the 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 £52.00 net (US \$135.00 in USA and Canada). Single issues are £19.00 (US \$50.00 in the USA and Canada) each; postage extra.

The British Journal of Nutrition

Volume 52 No. 3 November 1984

CONTENTS

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

- VAN ES A. J. H., VOGT J. E., NIESSEN CH., VETH J., RODENBURG, L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J. G. A. J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium 429-442
- KASPER LYNDA J., YOUNG VERNON R. & JANGHORBANI MORTEZA. Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope $^{74}\text{SeO}_3^{2-}$ 443-455
- EATON P. M., WHARTON P. A. & WHARTON B. A. Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham 457-468
- WHARTON P. A., EATON P. M. & WHARTON B. A. Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham 469-476
- JOHNSON I. T., GEE J. M. & MAHONEY R. R. Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat 477-487
- RAINBIRD ANNA L., LOW A. G. & ZEBROWSKA TERESA. Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs 489-498
- LOW A. G. & RAINBIRD ANNA L. Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs 499-505
- BRADBURY J. HOWARD, COLLINS J. GRANT & PYLIOTIS N. A. Digestibility of proteins of the histological components of cooked and raw rice 507-513

Papers on GENERAL NUTRITION

- MARTINEZ J. A., BUTTERY P. J. & PEARSON J. T. The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat 515-521
- MCLEAN A. F., BUCHAN W. & SCOTT D. Magnesium absorption in mature ewes infused intravenously with magnesium chloride 523-527
- HATFIELD G. M., JOYCE JENNY, JEACOCK MARJORIE K. & SHEPHERD D. A. L. The irreversible loss of alanine and of glycine in fetal and sucking lambs 529-543
- GIUGLIANO R. & MILLWARD D. J. Growth and zinc homeostasis in the severely Zn-deficient rat 545-560
- FATTET I., HOVELL F. D. DEB, ØRSKOV E. R., KYLE D. J., PENNIE K. & SMART R. I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion 561-574
- GOSWAMI UMESH C. Metabolism of cryptoxanthin in freshwater fish 575-581
- MILLARD P. & CHESSON A. Modifications to swede (*Brassica napus* L.) anterior to the terminal ileum of pigs: some implications for the analysis of dietary fibre 583-594
- HARGROVE DIANE M., ROGERS QUINTON R. & MORRIS JAMES G. Leucine and isoleucine requirements of the kitten 595-605
- BIRD S. H. & LENG R. A. Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep 607-611
- STORM E. & ØRSKOV E. R. The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach 613-620
- GILL MARGARET, THORNLEY J. H. M., BLACK J. L., OLDHAM J. D. & BEEVER D. E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep 621-649
- CORRIGENDUM 651

© The Nutrition Society 1984

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP

32 East 57th Street, New York, N.Y. 10022

10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain at the University Press, Cambridge