

INDEX OF AUTHORS

Åkesson, B.	263	Halevi, A.	353	Nolan, J. V.	393
Ascarelli, I.	353	Hallberg, L.	283		
Atkinson, T.	321	Hallinan, T.	239	Picou, D.	275
		Hansen-Smith, F. M.	275		
Baird, B. A.	321	Harris, H.	291	Ranawana, S. S. E.	371
Batterham, E. S.	383	Herz, Z.	353	Record, I. R.	399
Björn-Rasmussen, E.	283	Hewitt, D.	311, 341	Rosenberg, M.	353
Brown, P. J.	291			Rossander, L.	283
Bruckdorfer, K. R.	239	Ingram, D. L.	361	Rowe, J. B.	393
Buss, D. H.	253				
		Jägerstad, M.	263	Suwanik, R.	283
Cammell, S. B.	297				
Crofts, R. M. J.	333	Kellaway, R. C.	371	Thomson, D. J.	297
		Koos Slob, A.	231		
				Van der Werff Ten Bosch, J. J.	231
Dauncey, M. J.	361	Leaver, D. D.	403	Vreeburg, J. T. M.	231
Davidson, M.	353	Leng, R. A.	393		
Dixon, E. J.	253	Lewis, C. E.	383		
Dreosti, I. E.	399	Leyland, M. J.	291	Weber, K. M.	403
		Livingstone, R. M.	321	Wedd, A. G.	403
Fehling, C.	263			Wenlock, R. W.	253
Folman, Y.	353	McDowell, G. H.	371	Wilkins, A. J.	239
Ford, J. E.	341	Mann, J. A.	239	Williams, A. P.	311
Fuller, M. F.	321, 333	Mennie, I.	333	Worcester, N. A.	239
		Murison, R. D.	383		
Golden, M. H.	275			Yudkin, J.	239
Gow, C. B.	371				

FORTHCOMING PAPERS

The next issue of the *British Journal of Nutrition* will appear in May 1979. It is hoped to publish in it the following papers:

- Assessment of the nutritional quality of proteins: the use of 'ileal' digestibilities of amino acids as measures of their availabilities. By S. C. ACHINEWHU and D. HEWITT
- A preliminary simulated iron fortification trial in South Indian preschool children. By SHEILA M. PEREIRA, ALMAS BEGUM, V. I. MATHAN and S. J. BAKER
- The effect of dietary fats on the composition of the liver endoplasmic reticulum and oxidative drug metabolism. By CATHERINE T. HAMMER and E. D. WILLS
- Comparison of carbohydrate utilization in man using indirect calorimetry and mass spectrometry after an oral load of 100 g naturally labelled [¹³C]glucose. By J. R. EBINER, K. J. ACHESON, A. DOERNER, E. MAEDER, M. J. ARNAUD, E. JÉQUIER and J.-P. FELBER
- Effects of diet, energy restriction and diabetes on hexose absorption in the rat. By HELEN D. WILSON and H. P. SCHEDL
- An evaluation of the phytate, zinc, copper, iron and manganese contents of, and Zn availability from, soyabased textured vegetable protein meat substitutes or extenders. By N. T. DAVIES and HILARY REID
- Studies on the molar ratio of phytate and zinc contents in diets as a determinant of zinc availability to young rats. By N. T. DAVIES and S. E. OPPIN
- The contribution of protozoa to the protein entering the duodenum of sheep. By D. G. HARRISON, D. E. BEEVER and D. F. OSBOURN
- The effect of dietary fibre on paracetamol absorption in the rat. By R. C. BROWN, J. KELLEHER, B. E. WALKER and M. S. LOSOWSKY
- The sustenance of growing and fattening ruminants by intragastric infusion of volatile fatty acid and protein. By E. R. ØRSKOV, D. A. GRUBB, G. WENHAM and W. CORRIGALL
- Leucocyte ascorbic acid and the leucocyte count. By S. VALLANCE
- Utilization of volatile fatty acids by growing sheep. By E. R. ØRSKOV, D. A. GRUBB, J. S. SMITH, A. J. F. WEBSTER and W. CORRIGALL
- The metabolism of methionine in silage-fed sheep. By MARGARET GILL and M. J. ULYATT
- The digestion of dietary pectin in the human gut and its effect on calcium absorption and large bowel function. By J. H. CUMMINGS, D. A. T. SOUTHGATE, W. BRANCH, H. S. WIGGINS, HELEN HOUSTON, D. J. A. JENKINS, T. JIBRAJ and M. J. HILL
- The effects of pregnancy and lactation on the activities of trypsin and α -chymotrypsin in the rat pancreas. By B. A. ROLLS, M. J. HENSCHEL and MAUREEN F. PALMER
- Trace nutrients. 3. Magnesium, copper, zinc, vitamin B₆, vitamin B₁₂ and folic acid in the British household food supply. By JOSEPHINE A. SPRING, JEAN ROBERTSON and D. H. BUSS
- A new in vitro method for the estimation of digestibility using the intestinal liquor of the pig. By S. FURUYA, K. SAKAMOTO and S. TAKAHASHI
- Relationship between biochemical and clinical indices of B-vitamins deficiency - a study in rural school boys. By MAHTAB S. BAMJI, K. V. RAMESWAR SARMA and G. RADHAIH
- The influence of vitamin A status on the response of chickens to aflatoxin and changes in liver lipid metabolism associated with aflatoxicosis. By W. L. BRYDEN, R. B. CUMMING and D. BALNAVE
- Guar gum and reduction of post-prandial glycaemia: effect of incorporation into solid food, liquid food and both. By T. M. S. WOLEVER, D. J. A. JENKINS, R. NINEHAM and K. G. M. M. ALBERTI

The British Journal of Nutrition

Volume 41 No. 2 March 1979

CONTENTS

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

Body growth, puberty and undernutrition in the male guinea-pig. By A. KOOS SLOB, J. T. M. VREEBURG and J. J. VAN DER WERFF TEN BOSCH	231-237
The influence of diet and diabetes on stearyl Coenzyme A desaturase (EC 1.14.99.5) activity and fatty acid composition in rat tissues. By NANCY A. WORCESTER, K. R. BRUCKDORFER, T. HALLINAN, A. J. WILKINS, JANE A. MANN and J. YUDKIN	239-252
Trace nutrients. 2. Manganese in British Food. By R. W. WENLOCK, D. H. BUSS and E. J. DIXON	253-261
Lipid composition and metabolism in liver and brain of vitamin B ₁₂ -deficient rat sucklings. By B. ÅKESSON, C. FEHLING and MARGARETHA JÄGERSTAD	263-274
Growth of muscle fibres during recovery from severe malnutrition in Jamaican infants. By F. M. HANSEN-SMITH, D. PICOU and M. H. GOLDEN	275-282
The measurement of food iron absorption in man. A methodological study on the measurement of dietary non-haem-Fe absorption when the subjects have a free choice of food items. By L. HALLEBERG, E. BJÖRN-RASMUSSEN, L. ROSSANDER and R. SUWANIK	283-289
Iron status in a general practice and its relationship to morbidity. By M. J. LEYLAND, H. HARRIS and P. J. BROWN	291-295

Papers on GENERAL NUTRITION

The utilization of chopped and pelleted lucerne (<i>Medicago sativa</i>) by growing lambs. By D. J. THOMSON and S. B. CAMMELL	297-310
The amino acid requirements of the preruminant calf. By A. P. WILLIAMS and D. HEWITT	311-319
The optimal amino acid supplementation of barley for the growing pig. 1. Response of nitrogen metabolism to progressive supplementation. By M. F. FULLER, R. M. LIVINGSTONE, BARBARA A. BAIRD and T. ATKINSON	321-331
The amino acid supplementation of barley for the growing pig. 2. Optimal additions of lysine and threonine for growth. By M. F. FULLER, I. MENNIE and R. M. J. CROFTS	333-340
Protein quality in cereals and pulses. 1. Application of microbiological and other in vitro methods in the evaluation of rice (<i>Oryza sativa</i> L.), sorghum (<i>Sorghum vulgare</i> Pers.), barley and field beans (<i>Vicia faba</i> L.). By J. E. FORD and D. HEWITT	341-352
Fertility of dairy heifers given a commercial diet free of β -carotene. By Y. FOLMAN, I. ASCARELLI, Z. HERZ, M. ROSENBERG, M. DAVIDSON and A. HALEVI	353-359
Effect of dietary composition and cold exposure on non-shivering thermogenesis in young pigs and its alteration by the β -blocker propranolol. By M. J. DAUNCEY and D. L. INGRAM	361-370
Responses to post-ruminal infusions of casein and arginine, and to dietary protein supplements in lactating goats. By CHRISTINE B. GOW, S. S. E. RANAWANA, R. C. KELLAWAY and G. H. MCDOWELL	371-382
Availability of lysine in protein concentrates as determined by the slope-ratio assay with growing pigs and rats and by chemical techniques. By E. S. BATTERHAM, R. D. MURISON and C. E. LEWIS	383-391

SHORT PAPERS

Secondary fermentation in the rumen of a sheep given a diet based on molasses. By J. B. ROWE, MARION L. LOUGHNAN, J. V. NOLAN and R. A. LENG	393-397
Superoxide dismutase (EC 1.15.1.1), zinc status and ethanol consumption in maternal and foetal rat livers. By I. E. DREOSTI and I. R. RECORD	399-402
The behaviour of thiomolybdates in in vitro systems. By K. M. WEBER, D. D. LEAVER and A. G. WEDD	403-405
Corrigenda	407

© The Nutrition Society 1979

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP

Bentley House, 200 Euston Road, London NW1 2DB

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

Printed in Great Britain at the University Press, Cambridge