

INDEX OF AUTHORS

Begum, A.	165	Hood, R. L.	209	Pereira, S. M.	165
Breckenridge, G.	217, 229	Ilman, R. L.	209	Pittet, Ph.	173
Campbell, D. R.	201	Itabashi, H.	247	Preston, T. R.	341
Czernawski, J. W.	217, 229	Jackson, N.	253	Priego, A.	341
Diethelm, R.	173	Kempton, T. J.	289, 303	Rea, H. M.	201
Fenwick, D. E.	209	Kirkpatrick, G. McC.	253	Robinson, M. F.	201
Ferreiro, H. M.	341	Leng, R. A.	289, 303, 341	Sambrook, I. E.	267, 279
Ford, J. E.	317, 325	Lopez, J.	341	Stalley, S.	173
Funabiki, R.	247	Miller, B. G.	185	Stevenson, M. H.	253
Garrow, J. S.	173	Nishizawa, N.	247	Storer, G. B.	209
Grimble, R. F.	185	Noguchi, T.	247	Sundararaj, R.	165
Halliday, D.	173	Nolan, J. V.	303	Taylor, T. G.	185
Hareyama, S.	247	Oakenfull, D. G.	209	Thomson, C. D.	201
Hesp, R.	173	Otto, W. R.	185	Topping, D. L.	209
Hewitt, D.	317, 325			Toyoda, Y.	247
				York, D. A.	185

FORTHCOMING PAPERS

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

- Factors affecting the voluntary intake of food by sheep. 2. The role of distension and tactile input from compartments of the stomach. By W. L. GROVUM
- Response of lipogenic enzymes and plasma lipids to starvation and refeeding in the adult Japanese quail (*Coturnix coturnix Japonica*). By NIVA SHAPIRA, I. NIR and P. BUDOWSKI
- Changes in body composition following thermal injury in the rat. By G. A. AL SHAMMA, C. C. GOLL, J. R. RICHARDS, T. B. BAIRD, J. BROOM and G. A. NICHOLAS
- Intraruminal injection with urea and changes in secretion of parotid saliva in sheep. by Y. OBARA and K. SHIMBAYASHI
- The fate of amino acids in isolated perfused livers of developing sheep. By P. M. J. SAVAN, MARJORIE K. JEACOCK and D. A. L. SHEPHERD
- Nitrogen digestion in sheep given poor-quality indigenous hill herbages. By J. C. MACRAE, J. A. MILNE, S. WILSON and ANGELA M. SPENCE
- Tyrosuria in marasmus. By P. S. DHATT, A. S. SAINI, INDU GUPTA, J. V. MEHTA and HARJIT SINGH
- The effect of giving feeds containing a soya-bean meal treated or extracted with ethanol on digestive processes in the pre-ruminant calf. By J. W. SISSONS, R. H. SMITH and D. HEWITT
- The role of thermoregulatory thermogenesis in the development of obesity in genetically obese (*ob/ob*) mice pair-fed with lean siblings. By P. L. THURLBY and P. TRAYHURN
- Estimation of heat production from heart rate measurements in cattle. By S. YAMAMOTO, J. A. MCLEAN and A. J. DOWNIE

The British Journal of Nutrition

Volume 42 No. 2 September 1979

CONTENTS

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

Physical growth and neurointegrative performance of survivors of protein-energy malnutrition. By SHEILA M. PEREIRA, REGINA SUNDARAJ and ALMAS BEGUM	165-171
A new method for measuring the body density of obese adults. By J. S. GARROW, SUSAN STALLEY, R. DIETHELM, PH. PITTEL, R. HESP and D. HALLIDAY	173-183
The relationship between protein turnover and energy balance in lean and genetically-obese (<i>ob/ob</i>) mice. By B. G. MILLER, W. R. OTTO, R. F. GRIMBLE, D. A. YORK and R. G. TAYLOR	185-199
Relation between erythrocyte selenium concentrations and glutathione peroxidase (EC 1.11.1.9) activities of New Zealand residents and visitors to New Zealand. By HEATHER M. REA, CHRISTINE D. THOMSON, DIANNE R. CAMPBELL and MARION F. ROBINSON	201-208
Effects of saponins on bile acids and plasma lipids in the rat. By D. G. OAKENFULL, DOROTHY E. FENWICK, R. L. HOOD, D. L. TOPPING, R. L. ILLMAN and G. B. STORER	209-216

Papers on GENERAL NUTRITION

Experiments with the long-term rumen simulation technique (Rusitec); response to supplementation of basal rations. By J. W. CZERKAWSKI and GRACE BRECKENRIDGE	217-228
Experiments with the long-term rumen simulation technique (Rusitec); use of soluble food and an inert solid matrix. By J. W. CZERKAWSKI and GRACE BRECKENRIDGE	229-245
N ⁷ -Methylhistidine content of organs and tissues of cattle and an attempt to estimate fractional catabolic and synthetic rates of myofibrillar proteins of skeletal muscle during growth by measuring urinary output of N ⁷ -methylhistidine. By N. NISHIZAWA, Y. TOYODA, T. NOGUCHI, S. HAREYAMA, H. ITABASHI and R. FUNABIKI	247-252
Effects of the protracted feeding of copper sulphate-supplemented diets to laying, domestic fowl on egg production and on specific tissues, with special reference to mineral content. By N. JACKSON, MARY H. STEVENSON and G. McC. KIRKPATRICK	253-266
Studies on digestion and absorption in the intestines of growing pigs. 7. Measurements of the flow of total carbohydrate, total reducing substances and glucose. By I. E. SAMBROOK .	267-277
Studies on digestion and absorption in the intestines of growing pigs. 8. Measurements of the flow of total lipid, acid-detergent fibre and volatile fatty acids. By I. E. SAMBROOK .	279-287
Protein nutrition of growing lambs. 1. Responses in growth and rumen function to supplementation of a low-protein-cellulosic diet with either urea, casein or formaldehyde-treated casein. By T. J. KEMPTON and R. A. LENG	289-302
Protein nutrition of growing lambs. 2. Effect on nitrogen digestion of supplementing a low-protein-cellulosic diet with either urea, casein or formaldehyde-treated casein. By T. J. KEMPTON, J. V. NOLAN and R. A. LENG	303-315
Protein quality in cereals and pulses. 2. Influence of polyethyleneglycol on the nutritional availability of methionine in sorghum (<i>Sorghum vulgare</i> Pers.), field beans (<i>Vicia faba</i> L.) and barley. By J. E. FORD and D. HEWITT	317-323
Protein quality in cereals and pulses. 3. Bioassays with rats and chickens on sorghum (<i>Sorghum vulgare</i> Pers.), barley and field beans (<i>Vicia faba</i> L.). Influence of polyethylene glycol on digestibility of the protein in high-tannin grain. By J. E. FORD and D. HEWITT	325-340
Glucose metabolism in cattle given sugar cane based diets supplemented with varying quantities of rice polishings. By H. M. FERREIRO, A. PRIEGO, J. LOPEZ, T. R. PRESTON and R. A. LENG	341-347
Corrigendum	349-350