

INDEX OF AUTHORS

Adron, J.	297	Evans, E. W.	273	Matheson, N. A.	393
Bines, J. A.	273	Fern, E. B.	333	Mayet, Fatima	367
Blair, A.	297	Gopalan, C.	351	Pittet, Ph.	343
Booth, D. A.	285	Gygax, P. H.	343	Pullar, J. D.	377
Bothwell, T. H.	367	Hewitt, D.	307	Salter, D. N.	307
Braithwaite, G. D.	319	James, W. P. T.	333	Sayers, M. H.	367
Burnett, J.	273	Jéquier, E.	343	Shanks, Aileen M.	297
Charlton, R. W.	367	Kristensen, S.	357	Simson, P. C.	285
Coates, Marie E.	307	Lynch, S. R.	367	Sketcher, R. D.	333
Cowey, C. B.	297			Walker, R. B.	367
Deosthale, Y. G.	351			Webster, A. J. F.	377

FORTHCOMING PAPERS

The next issue of the *British Journal of Nutrition* will appear in July 1974. It is hoped to publish in it the following papers.

CLINICAL AND HUMAN NUTRITION

Protein quality of some novel protein feedstuffs. I. Studies on the African locust bean seed (*Parkia filicoidea* Welw). By B. L. FETUGA, G. M. BABATUNDE and V. A. OYENUGA

The metabolism of ⁷⁵Se-selenite in young women. By CHRISTINE D. THOMSON and R. D. H. STEWART

Body fat assessed from total body density and its estimation from skinfold thickness: measurements on 481 men and women from 16 to 72 years. By J. V. G. A. DURNIN and J. WOMERSLEY

Effect of systemic infections on glycyglycine absorption rate from the human jejunum in vivo. By G. C. COOK

A cross-sectional nutritional and anthropometric study, with an interval of 7 years, on 611 young adolescent school children. By J. V. G. A. DURNIN, M. L. LONERGRAN, J. GOOD and A. EWAN

GENERAL NUTRITION

The effect of ambient temperature on the thiamin requirement of growing-finishing pigs. By CHIN-LONG PENG and H. HEITMAN JR.

The metabolism of ¹⁴C-labelled essential amino acids given by intragastric or intravenous infusion to rats on normal and protein-free diets. By R. J. NEALE and J. C. WATERLOW

The effect of experimental variation in the quantity of pancreatic secretion on the digestion and utilization of milk substitute diets by the calf. By J. H. TERNOUTH, J. H. B. ROY, I. J. F. STOBO, P. GANDERTON, CATHERINE M. GILLIES and SUSAN M. SHOTTON

The effect of processing of cereals on digestibility, type of rumen fermentation, and firmness of subcutaneous fat in lambs. By E. R. ØRSKOV and C. FRASER

Effect of processing of dietary barley and of supplementary cobalt and vitamin B₁₂ on the fatty acid composition of lamb triglycerides, with special reference to branched-chain components. By W. R. H. DUNCAN, E. R. ØRSKOV, C. FRASER and G. A. GARTON

A technique for the quantitative separation of feed and microbial protein in duodenal digesta. By D. E. BEEVER, D. G. HARRISON, D. J. THOMSON, S. B. CAMELL and D. F. OSBOURN

The nutritional efficiency and body composition of the pre-ruminant lamb and the young pig. By R. W. HODGE

Protein metabolism in skeletal muscle: The effect of feeding and fasting on muscle RNA, free amino acids and plasma insulin concentrations. By D. J. MILLWARD, D. O. NNANYELUGO, W. P. T. JAMES and P. J. GARLICK

The utilization of gelled maize starch in the small intestine of sheep. By R. W. MAYES and E. R. ØRSKOV

The effect of trichloroacetamide, chloroform and linseed oil given into the rumen of sheep on some of the end-products of rumen digestion. By J. L. CLAPPERTON

The identification of a phytohaemagglutinin in raw navy beans (*Phaseolus vulgaris* L.) toxic for Japanese quail (*Coturnix coturnix japonica*). By A. T. ANDREWS and D. J. JAYNE-WILLIAMS

The British Journal of Nutrition

Volume 31 No. 3 May 1974

CONTENTS

CLINICAL AND HUMAN NUTRITION

- Thermic effect of glucose and amino acids in man studied by direct and indirect calorimetry. By PH. PITTET, P. H. GYGAX and E. JÉQUIER 343-349
- The effect of molybdenum levels in sorghum (*Sorghum vulgare* Pers.) on uric acid and copper excretion in man. By Y. G. DEOSTHALE and C. GOPALAN 351-355
- Iron absorption from rice meals cooked with fortified salt containing ferrous sulphate and ascorbic acid. By M. H. SAYERS, S. R. LYNCH, R. W. CHARLTON, T. H. BOTHWELL, R. B. WALKER and FATIMA MAYET 367-375

GENERAL NUTRITION

- A study of the effect of exposure in the reticulo-rumen of the cow on the strength of cotton, grass, hay and straw. By E. W. EVANS, J. BURNETT and J. A. BINES 273-284
- The rejection of a diet which has been associated with a single administration of an histidine-free amino acid mixture. By P. C. SIMSON and D. A. BOOTH 285-296
- Studies on the nutrition of marine flatfish. Utilization of various dietary proteins by plaice (*Pleuronectes platessa*). By C. B. COWEY, J. ADRON, A. BLAIR and AILEEN M. SHANKS 297-306
- The utilization of protein and excretion of uric acid in germ-free and conventional chicks. By D. N. SALTER, MARIE E. COATES and D. HEWITT 307-318
- The effect of changes of dietary calcium concentration on calcium metabolism in sheep. By G. D. BRAITHWAITE 319-331
- The adaptation in muscle oxidation of leucine to dietary protein and energy intake. By R. D. SKETCHER, E. B. FERN and W. P. T. JAMES 333-342
- Ruminal biosynthesis of aromatic amino acids from arylacetic acids, glucose, shikimic acid and phenol. By S. KRISTENSEN 357-365
- Heat loss and energy retention during growth in congenitally obese and lean rats. By J. D. PULLAR and A. J. F. WEBSTER 377-392
- The determination of tryptophan in purified proteins and in feeding-stuffs. By N. A. MATHESON 393-400

© The Nutrition Society, 1974

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London NW1 2DB
American Branch: 32 East 57th Street, New York, N.Y.10022

Single parts £4.50 net in U.K. (US \$13.50 in U.S.A. and Canada)

1974 subscription price £22.00 net in U.K. (US \$69.00 in U.S.A. and Canada)

Printed in Great Britain at the University Printing House, Cambridge