

INDEX OF AUTHORS

Apte, S. V.	305, 313	Iyengar, L.	305, 313	Reddy, V.	299
Ashworth, A.	407	Mangan, J. L.	261	Reid, R. S.	425
Bloxham, D. L.	233, 249	Mann, J. I.	395	Riazuddin, Sh.	417
Braithwaite, G. D.	417	Mann, S. O.	425	Siddons, R. C.	343
Brooke, O. G.	407	Martindale, C. H.	319	Sivakumar, B.	299
Budowski, P.	365	Moss, R.	285	Sklan, D.	365
Coward, W. A.	383	Nitsan, Z.	337	Stock, A. L.	439
Davis, R. H.	319	O'Dell, R. G.	353	Truswell, A. S.	395
Eadie, J. M.	425	Oksanen, A.	327	Volcani, R.	365
Gertler, A.	337	Parkinson, J. A.	285	Wheeler, E. F.	439
Gluscock, R. F.	417	Poukka, R.	327	Whitehead, R. G.	383
Haisman, M. F.	375	Prosky, L.	353	Whitelaw, F. G.	425

FORTHCOMING PAPERS

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

CLINICAL AND HUMAN NUTRITION

The sugar intake of businessmen and its inverse relationship with relative weight. By J. F. RICHARDSON.
Energy intake and expenditure of Indian schoolboys. By B. BANERJEE and N. SAHA.

A study of the relationship between Hess tests and leucocyte ascorbic acid in a clinical trial. By T. P. EDDY.

The effect of work level and dietary intake on sweat nitrogen losses in a hot climate. By J. S. WEINER, J. O. C. WILSON, HAMAD EL-NEIL and ERICA F. WHEELER.

Glucose tolerance and insulin sensitivity in malnourished children. By G. A. O. ALLEYNE, P. M. TRUST, H. FLORES and H. ROBINSON.

Seasonal variation in megaloblastic anaemia. By I. P. PALVA and S. J. SALOKANNEL.

GENERAL NUTRITION

The effect of available dietary zinc on the utilization of protein by the chick and Japanese quail. By J. ATKINSON, P. VOHRA and F. H. KRATZER

The influence of the nutritive value of proteins on the level of protein synthesis in vitro in rat skeletal muscle. By P. T. OMSTEDT and ALEXANDRA VON DER DECKEN.

The use of hydroxyproline analyses to predict the nutritional value of the protein in different animal tissues. By Z. DVOŘÁK.

Digestion of concentrates in sheep. 4. The effects of urea on digestion, nitrogen retention and growth in young lambs. By E. R. ØRSKOV, C. FRASER and I. McDONALD.

The metabolism of linoleic acid by the young lamb. By R. C. NOBLE, W. STEELE and J. H. MOORE.

Mechanisms of heat damage in proteins. 3. Studies with ϵ -(γ -L-glutamyl)-L-lysine. By P. E. WAIBEL and K. J. CARPENTER.

A comparison of feeding reconstituted and dried milk upon the growth and carcass composition of calves. By W. J. PRYOR and J. H. TERNOUTH.

The growth and development of rats given a low-protein diet. By J. W. T. DICKERSON, P. C. R. HUGHES and P. A. MCANULTY.

Metabolism of propane-1:2-diol infused into the rumen of sheep. By J. W. CZERKAWSKI and J. L. CLAPPERTON.

The effect of intravenous infusions of sterculic acid on milk fat synthesis. By R. BICKERSTAFFE and A. R. JOHNSON.

Folate nutrition in the kid. By J. E. FORD, G. S. KNAGGS, D. N. SALTER and K. J. SCOTT.

On the calculation of heat production from open-circuit calorimetric measurements. By J. A. McLEAN.

The British Journal of Nutrition

Volume 27 No. 2 March 1972

CONTENTS

CLINICAL AND HUMAN NUTRITION

Absorption of labelled vitamin A in children during infection. By B. SIVAKUMAR and VINODINI REDDY	299-304
Composition of the human foetus. By SHARAD V. APTE and LEELA IYENGAR	305-312
Nutrient stores in human foetal livers. By LEELA IYENGAR and SHARAD V. APTE	313-317
Energy expenditure of soldiers in a warm humid climate. By M. F. HAISMAN	375-381
Changes in serum β -lipoprotein concentration during the development of kwashiorkor and in recovery. By W. A. COWARD and R. G. WHITEHEAD	383-394
Effects of isocaloric exchange of dietary sucrose and starch on fasting serum lipids, postprandial insulin secretion and alimentary lipaemia in human subjects. By J. I. MANN and A. S. TRUSWELL	395-405
The influence of malnutrition on the postprandial metabolic rate and respiratory quotient. By O. G. BROOKE and ANN ASHWORTH	407-415
Evaluation of meals cooked by large-scale methods: a comparison of chemical analysis and calculation from food tables. By ANNE L. STOCK and ERICA F. WHEELER	439-448

GENERAL NUTRITION

Nutritional aspects of amino acid metabolism. 2. The effects of starvation on hepatic portal-venous differences in plasma amino acid concentration and on liver amino acid concentrations in the rat. By D. L. BLOXAM	233-247
Nutritional aspects of amino acid metabolism. 3. The effects of diabetes on blood and liver amino acid concentrations in the rat. By D. L. BLOXAM	249-259
Quantitative studies on nitrogen metabolism in the bovine rumen. The rate of proteolysis of casein and ovalbumin and the release and metabolism of free amino acids. By J. L. MANGAN	261-283
The digestion of heather (<i>Calluna vulgaris</i>) by red grouse (<i>Lagopus lagopus scoticus</i>). By ROBERT MOSS and J. A. PARKINSON	285-298
The effects of dietary protein and non-protein nitrogen on liver glutamate dehydrogenase activity in the chick. By R. H. DAVIS and C. H. MARTINDALE	319-325
The influence of maize oil on the fatty acid composition of tissues of calves with and without vitamin E. By RITVA POUKKA and AILI OKSANEN	327-335
The effect of methionine supplementation on the levels of pancreatopeptidase E, trypsin, chymotrypsin and amylase in the pancreas of chicks receiving raw and heated soya-bean diets. By ZAFRIRA NITSAN and A. GERTLER	337-342
Effect of diet on disaccharidase activity in the chick. By R. C. SIDDONS	343-352
Effects of cyclamate and food restriction on various metabolites in the rat. By L. PROSKY and R. G. O'DELL	353-363
Effects of diets low in fat or essential fatty acids on the fatty acid composition of blood lipids of calves. By D. SKLAN, R. VOLCANI and P. BUDOWSKI	365-374
Studies on the transfer of calcium across the ovine placenta and incorporation into the foetal skeleton. By G. D. BRAITHWAITE, R. F. GLASCOCK and SH. RIAZUDDIN	417-424
Some effects of rumen ciliate protozoa in cattle given restricted amounts of a barley diet. By F. G. WHITELAW, J. MARGARET EADIE, S. O. MANN and R. S. REID	425-437

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 £4.00 net in U.K. (\$12.00 in U.S.A.)

Subscription price £18.00 net in U.K. (\$55.00 in U.S.A.)

Printed in Great Britain at the University Printing House, Cambridge