INDEX OF AUTHORS

Abou Akkada,				451	Harrison, G. F.			493	Rekib, A			325
Ashworth, A.	•	•	•	341	Kidder, D. E.		501,	515	Sadhu, D. P.	2		325
Boyd, J. W.	•	•	•	411	McCance, R. A.			357	Stacy, B. D.		369,	389
Bunyan, J.			•	465	McCrea, M. R.	:		501				
				1712-1	Manners, M. J.			515	Tonge, C. H			357
Cawthorne, M.			1.7.7	465	Misra, U. K.			461				
Coates, M. E.	•			493	Moore, J. H.			473	Warner, A. C. I.		369,	389
100 000000 D				11-3-31	Murrell, E. A.			465	Westgarth, D. R.			437
Deif, H. I.	•	•						105	Williams, A. P.			437
Diplock, A. T.		•		465	Osborne, A. D.		1	501	Williams, D. L.	•		473
Contract of the second				3.5	Owen, E. C.			331				
el-Shazly, K.	•	•		451	Owens, P. D. A.			357	Zebrowska, T	•		483
Ford, J. E.				493	Porter, J. W. G.	4	1.5	437				
				-	Poukka, R.		423,	429				
Green, J	•			465	Proudfoot, R.			331				

FORTHCOMING PAPERS

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

Further studies on the problem of goitre in Ceylon. By K. MAHADEVA, D. A. SENEVIRATNE, D. B. JAYATILLEKE, S. SENTHE SHANMUGANATHAN, P. PREMACHANDRA and M. NAGARAJAH.

The effects of feeding toxic groundnut meal to growing pigs and its interaction with high-copper diets. By R. S. BARBER, R. BRAUDE, K. G. MITCHELL, J. D. J. HARDING, G. LEWIS and R. M. LOOSMORE.

The variability of vitamin C in our diet. By R. J. L. ALLEN, M. BROOK and S. R. BROADBENT.

Iron metabolism during lactation in the rabbit. By H. TARVYDAS, SUSAN M. JORDAN and E. H. MORGAN. Metabolic responses to low doses of cyanocobalamin in patients with megaloblastic anaemia. By J. F. ADAMS,

R. HUME, ELIZABETH H. KENNEDY, T. G. PIRRIE, J. W. WHITELAW and A. M. WHITE.

- The effect of high salt intake or restricted water intake on diet selection by sheep. By A. D. WILSON.
- The nutritive value of groundnut protein. 1. Some effects of heat upon nutritive value, protein composition and enzyme inhibitory activity. By A. A. WOODHAM and R. DAWSON.
- The nutritive value of groundnut protein. 2. The correlation between electrophoretic pattern and nutritive value. By R. DAWSON.
- The effect of increasing amounts of dietary red palm oil on milk fat secretion in the cow. By J. E. STORRY, A. J. HALL and V. W. JOHNSON.
- Nutrient intakes during pregnancy, lactation and after the cessation of lactation in a group of Australian women. By RUTH M. ENGLISH and NANCY E. HITCHCOCK.
- Manganese in the nutrition and metabolism of the pullet. 1. Shell thickness and manganese content of eggs from birds given a diet of low or high manganese content. By R. HILL and J. W. MATHERS.
- Manganese in the nutrition and metabolism of the pullet. 2. The manganese contents of the tissues of pullets given diets of high or low manganese content. By J. W. MATHERS and R. HILL.
- Beneficial and ineffective levels of selenium for growth and muscular distrophy. By I. D. DESAL
- The determination of the true digestibilities of interesterified fats in young pigs. By C. P. FREEMAN, D. W. HOLME and E. F. ANNISON.
- Comparison of the weight gain and the composition of blood and saliva in sheep grazing timothy and rycgrass swards. By K. B. SINCLAIR and D. I. H. JONES.
- The metabolic response of young women to changes in the frequency of meals. By YOLA E. SWINDELLS, SUSAN A. HOLMES and MARION F. ROBINSON.
- Factors affecting the polyunsaturated fatty acid content of the plasma lipids of sheep. By J. H. MOORE, R. C. NOBLE and W. STEELE.
- The fermentation of soluble carbohydrates in rumen contents of cows fed diets containing a large proportion of hay. By J. D. SUTTON.
- Effects of dietary excesses of vitamins A and D on some constituents of the blood of chicks. By T. G. TAYLOR, K. M. L. MORRIS and JEAN KIRKLEY.
- Efficiency of digestion in germ-free and conventional rabbits. By T. YOSHIDA, J. R. PLEASANTS, B. S. REDDY and B. S. WOSTMANN.
- Quantitative aspects of intestinal fat absorption in young pigs. By C. P. FREEMAN, D. E. NOAKES, E. F. ANNISON and K. J. HILL.
- Effects of protein and vitamin E on haemoglobin formation in rats. By J. BUNYAN, J. GREEN and M. A. CAWTHORNE.

The British Journal of Nutrition

Volume 22 No. 3 September 1968

CONTENTS

Transaminase activity in the rumen liquor of sheep. By ABDUR REKIB and D. P. SADHU	325-329
The effect of tungstate ingestion on xanthine oxidase in milk and liver. By E. C. OWEN and R. PROUDFOOT	331-340
An investigation of very low calorie intakes reported in Jamaica. By ANN ASHWORTH	341-355
Severe undernutrition in growing and adult animals. 18. The effects of rehabilitation on the teeth and jaws of pigs. By R. A. MCCANCE, P. D. A. OWENS and C. H. TONGE	357-368
The fate of water in the rumen. 1. A critical appraisal of the use of soluble markers. By A. C. I. WARNER and B. D. STACY	369-387
The fate of water in the rumen. 2. Water balances throughout the feeding cycle in sheep. By A. C. I. WARNER and B. D. STACY	389-410
Serum enzyme changes, muscular dystrophy and erythrocyte abnormalities in lambs fed on diets containing cod-liver oil and maize oil, and the therapeutic effect of vitamin E. By J. W. BOYD	411-422
The concentration of α-tocopherol and ubiquinone in tissues of calves suffering from muscular dystrophy. By RITVA POUKKA	423-427
Phospholipid composition of tissues in calves suffering from nutritional muscular dystrophy. By RITVA POUKKA	429-435
A collaborative test of ion-exchange chromatographic methods for determining amino acids. By J. W. G. PORTER, D. R. WESTGARTH and A. P. WILLIAMS	437-450
The biological evaluation of urea, casein and gluten in the diets of sheep. By H. I. DEIF, K. EL- SHAZLY and A. R. ABOU AKKADA	451-460
Effect of hypervitaminosis A on rats: observations on growth and liver storage of vitamin A. By U. K. MISRA	461-464
Measurements of lipid peroxidation and α -tocopherol destruction in vitro and in vivo and their significance in connexion with the biological function of vitamin E. By A. T. DIPLOCK, M. A.	
CAWTHORNE, ELSPETH A. MURRELL, J. GREEN and J. BUNYAN	465-472
The effect of diet on the composition and positional distribution of the fatty acids in the tri- glycerides obtained from the adipose tissues of rabbits. By J. H. MOORE and D. L. WILLIAMS	
The course of digestion of different food proteins in the rat. Fractionation of the nitrogen in intestinal contents. By TERESA ZEBROWSKA	483-491
Intestinal synthesis of vitamins of the B complex in chicks. By MARIE E. COATES, J. E. FORD and G. F. HARRISON	493-500
Absorption of sugars by the piglet. By D. E. KIDDER, M. J. MANNERS, M. R. MCCREA and A. D. OSBORNE	501-514
Polyethylene glycol as marker in piglet diets with a high dry-matter content. By M. J. MANNERS and D. E. KIDDER.	515-526

For Index of Authors see inside back cover

CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London, N.W. 1 American Branch: 32 East 57th Street, New York, N.Y. 10022

Single parts 45s. net in U.K. (\$7.50 in U.S.A.)

Subscription price £9 net in U.K. (\$32.00 in U.S.A.) includes The Proceedings of The Nutrition Society published twice a year

Printed in Great Britain at the University Printing House, Cambridge