### INDEX OF AUTHORS

Allen, S. H.			357	El-Bassoussy, M.			351	Leathwood, P. D.			373
				El-Shobaki, F. A.		400	351				
Balnave, D	60	100	439	El-Hawary, M. F. S.		*	351	Mondragón, C.	20	75	387
Barua, A. B.	23	- 6	319								
Beavon, J. R. G.	0.0	257	299	Griffiths, D. A.	23	20	399	Sakr, R.	*	*5	351
Black, J. L.	60	50	399					Siddons, R. C	V.		415
Blair, J. A.			299	Hodgson, J. C.			447	Sissons, J. W.			329
	*	10		Hougson, J. C.			Carrier II	Smith, R. H.		*	329
Braithwaite, G. D.	7.0	*	309	Vis. 1724 8227				Simili, K. II.		***	247
Bush, M	**	**	383	Jacob, F.			415	CHEAN DAY DAY			
S. CONTROL OF STATE O				Jaffé, W. G.	300		387	Thomas, P. C.	9		447
Das, R. C.			319					CARLO CO			
Dawson, K. P.		2.2	315	Kholeif, T.			351	Webster, A. J. F.			425
Duncan, A.		*	315	Kimber, R. J.		-	357	Weekes, T. E. C.			425
Duncan, A.	4	*	212	Etimoet, R. J.		*	001	incomes, I. L. C.		200	

### FORTHCOMING PAPERS

The next issue of the British Journal of Nutrition will appear in July 1975. It is hoped to publish in it the following papers.

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

The influence of dietary fat on fat metabolism and body fat deposition in meal-feeding and nibbling rats. By J. D. Wood and J. T. REID

The contribution made by school milk to the nutrition of primary schoolchildren. By Judith Cook, D. G. Altman, Ann Jacoby, W. W. Holland and A. Elliott

Effect of dietary copper deficiency in the rat on fatty acid composition of adipose tissue and desaturase activity of liver microsomes. By K. W. J. Wahle and N. T. Davies

Inability of selenium to affect creatine metabolism in rat muscle. By A. J. Barak, T. B. Allison, D. J. Tuma and M. F. Sorrell

Studies on the fortification of cane sugar with iron and ascorbic acid. By P. Disler, S. R. Lynch, R. W. Charlton, T. H. Bothwell, R. B. Walker and Fatima Mayer

### Papers on GENERAL NUTRITION

The effect of potassium on the sodium requirements of growing steers with and without α-tocopherol supplementation. By J. G. Morris and R. J. W. Gartner

Changes in the rumen metabolism of sheep given increasing amounts of linseed oil in their diet. By J. W. CZERKAWSKI, W. W. CHRISTIE, GRACE BRECKENRIDGE and MARGARET HUNTER

Influence of magnesium deficiency on horse foal tissue concentrations of Mg, calcium and phosphorus. By D. D. HARRINGTON

Energy exchanges associated with eating and rumination in sheep given grass diets of different physical forms. By P. O. OSUJI, J. G. GORDON and A. J. F. WEBSTER

Studies on the flow of zinc, cobalt, copper and manganese along the digestive tract of sheep given fresh perennial ryegrass, or white or red clover. By N. D. GRACE

The development of a biotin deficiency in domestic fowl given wheat-based diets. By D. Balnave

The sequential feeding of growing chicks. By R. M. Gous and J. J. Du Preez

The influence of food intake on portal blood flow and heat production in the digestive tract of sheep. By A. J. F. Webster, P. O. Osuji, F. White and J. F. Ingram

Protein quality of feeding-stuffs, 7. Collaborative studies on the microbiological assay of available amino acids, By A. W. BOYNE, J. E. FORD, D. HEWITT and D. H. SHRIMPTON

## The British Journal of Nutrition

# Volume 33 No. 3 May 1975

### CONTENTS

CLINICAL AND HUMAN NUTRITION	
Ascorbic acid and long-term anticonvulsant therapy in children. By K. P. Dawson and Anne	
Duncan	315-318
The absorption of iron, with or without supplements of single amino acids and of ascorbic acid, in healthy and Fe-deficient children. By M. F. S. EL-HAWARY, F. A. EL-SHOBAKI, T. KHOLEIF, R. SAKR and M. EL-BASSOUSSY	351-355
	331-333
Vitamin B <sub>12</sub> nutrition and metabolism in the baboon ( <i>Papio cynocephalus</i> ). By R. C. Siddons and Fredericka Jacob	415-424
GENERAL NUTRITION	
The metabolism of some folates in the rat. By J. R. G. BEAVON and J. A. BLAIR	299-308
The effect of growth hormone on calcium metabolism in the sheep. By G. D. BRAITHWAITE .	309-314
Occurrence and conversion of anhydrolutein into dehydroretinol in a freshwater fish. By A. B. BARUA and R. C. Das	319-327
Effects of different feeds, including those containing soya-bean products, on the passage of digesta from the abomasum of the preruminant calf. By R. H. SMITH and J. W. SISSONS.	329-349
An abnormality of the bone marrow associated with vitamin E deficiency in sheep. By R. J. KIMBER and SHIRLEY H. ALLEN	357-371
Effects of different regimens of early malnutrition on behavioural development and adult avoidance learning in Swiss white mice. By MAUREEN BUSH and P. D. LEATHWOOD	373-385
Effects of ingestion of organic selenium in adapted and non-adapted rats. By W. G. JAFFE and Cristina Mondragon	387-397
Effects of live weight and energy intake on nitrogen balance and total N requirement of lambs.  By J. L. Black and D. A. Griffiths	399-413
Metabolism of propionate in the tissues of the sheep gut. By T. E. C. WEEKES and A. J. F. WEBSTER	425-438
The influence of essential fatty acids and food restriction on the specific activities of hepatic lipogenic and glutamate-metabolizing enzymes in the laying hen, By D. BALNAVE	439-445
A relationship bet ween the molar proportion of propionic acid and the clearance rate of the	

© The Nutrition Society, 1975

For Index of Authors see inside back cover

## CAMBRIDGE UNIVERSITY PRESS

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

Single parts £6,00 net in U.K. (US \$18,00 in U.S.A. and Canada) 1975 subscription price £28,00 net in U.K. (US \$84,00 in U.S.A. and Canada)

Printed in Great Britain at the University Printing House, Cambridge