

[Continued from p. iv of wrapper]

How important is dietary linoleate for the young ruminant? By W. M. F. LEAT and CHRISTINE A. NORTHROP	52A
Sodium, potassium and chloride imbalance in broiler diets. By C. J. TALBOT	53A
Foetal accumulation of iron and copper in maternal protein deprivation. By D. J. NAISMITH and NICOLA M. BINNS	54A
An explanation for the elevated efficiency of the genetically obese (obob) mouse. By P. L. THURLBY, P. TRAHURN and W. P. T. JAMES	55A
The time course of the response of rat protein metabolism to trenbolone acetate. By B. G. VERNON and P. J. BUTTERY	56A
The effect of dry matter concentration on milk substitute intake by the calf. By J. H. TERNOUTH, I. J. F. STOBO and J. H. B. ROY	57A
Mineral absorption from the digestive tract of calves before and after weaning. By R. N. B. KAY, P. THIVEND, E. D. GOODALL and A. C. DALGARNO	58A
A quantitative light microscopical study of muscle from adult rats previously undernourished in early life. By K. S. BEDI, M. MAHON and J. L. SMART	59A
Absorption of magnesium and phosphate in the omasum of the young steer. By R. H. SMITH and B. M. EDRISE	60A
'Chemically available' iron in foods. By SUSAN J. FOX and A. E. BENDER	61A

INDEX OF AUTHORS

Alberti, K. G. M. M.	47A	Garlick, P. J.	28A, 29A, 33A	Pain, V. M.	29A
Badeock, J.	50A	Gassul, M. A.	47A	Prentice, A. M.	49A
Barrett, A. M.	193	Goff, D. V.	47A	Ridge, B. D.	41A
Bates, C. J.	49A	Goodall, E. D.	58A	Roy, J. H. B.	57A
Bates, P. C.	30A	Green, A. R.	173		
Bender, A. E.	61A	Hadden, D. R.	37A	Sedi, K. S.	59A
Bender, D. A.	159	Hay, A. W. M.	42A	Sheena, J.	38A
Binns, N. J.	54A	Jones, W. P. T.	55A	Sissons, J. W.	43A
Booth, D. A.	181	Jenkins, D. J. A.	47A	Siviter, J. W.	44A
Borriello, P.	40A	Kay, R. N. B.	58A	Smart, J. L.	59A
Broster, W. H.	44A	Kelly, N. C.	34A	Smith, R. H.	43A, 60A
Buttery, P. J.	31A, 32A, 56A	Kidder, D. E.	51A	Stobo, I. J. F.	57A
Chamberlain, D. G.	34A	Leat, W. M. F.	52A	Stead, D.	45A
Clarke, D.	37A	Leeds, A. R.	47A	Stribbling, D.	181
Clugston, G. A.	33A	McNurlan, M. A.	28A, 29A	Swick, R. W.	33A
Copping, A. M.	105	Mahon, M.	59A	Talbot, C. J.	53A
Corea, G.	141	Mangan, J. L.	48A	Ternouth, J. H.	57A
Coward, B. J.	31A	Manners, M. J.	51A	Thivend, P.	58A
Crisp, A. H.	201	Marcus, A. J.	39A	Thomas, P. C.	34A
Curzon, G.	155	Meade, C. J.	38A	Thurlby, P. L.	55A
Dale, T. L. C.	41A	Meinertzhagen, I. H.	33A	Tomkins, A. M.	28A, 40A, 50A
Dalgarno, A. C.	58A	Mertin, J.	38A	Trayhurn, P.	55A
Darling, M.	42A	Metz, G. L.	47A	Vernon, B. G.	56A
De Looy, A. E.	35A	Millward, D. J.	30A	Waterlow, J. C.	33A
Dickerson, J. W. T.	167	Murray, H. L.	36A	Watson, G.	42A
Dilawari, J. B.	47A	Naismith, D. J.	54A	Watson, R. H. J.	36A
Drasar, B.	40A	Northrop, C. A.	52A	Watt, J.	39A
Edmunds, B. K.	32A	Nugent, J. H. A.	48A	Wilson, E. A.	37A
Edrise, B. M.	60A	Oldham, J. D.	44A, 45A	Wiryanti, J.	167
Fairhurst, E.	41A			Wolever, T. M. S.	47A
Fieldhouse, P.	35A			Youdin, M. B. H.	173
Fisher, C.	32A				
Fox, S. J.	61A				

Proceedings of the Nutrition Society

CONTENTS OF VOL. 37, No. 2, SEPTEMBER 1978

HISTORY OF THE NUTRITION SOCIETY. By A. M. COPPING PAGE 105

SYMPOSIUM PROCEEDINGS

Boyd Orr Memorial Lecture
University of Glasgow
 13 MAY 1977

The quest for an international commodity policy. By GAMANI COREA 141

Three Hundred and Twelfth Scientific Meeting
St Bartholomew's Hospital Medical School, London EC1A 7BE
 16 DECEMBER 1977

NEUROTRANSMITTERS AND NUTRITION

Chairman: G. CURZON, Institute of Neurology, Queen Square, London WC1N 3BG

Influence of nutritional state on transmitter synthesis. By G. CURZON 155
 Regulation of 5-hydroxytryptamine synthesis. By D. A. BENDER 159
 Pellagra and mental disturbance. By J. W. T. DICKERSON and J. WIRYANTI 167
 Iron deficiency and neurotransmitter synthesis. By M. B. H. YOUNG and A. R. GREEN 173
Chairman: T. SILVERSTONE, Department of Psychiatry, St Bartholomew's Hospital, London, EC1A 7BE
 Neurochemistry of appetite regulation. By D. A. BOOTH and D. STRIBLING 181
 Neuropharmacology of appetite regulation. By A. M. BARRETT 193
 Disturbances of Neurotransmitter metabolism in *anorexia nervosa*. By A. H. CRISP 201

ABSTRACTS OF COMMUNICATIONS

Three Hundred and Thirteenth Scientific Meeting
Clinical Research Centre, Harrow, Middlesex, HA1 3UJ
 27 FEBRUARY 1978

Protein synthesis in rat small intestine. By M. A. McNURLAN, P. J. GARLICK and A. M. TOMKINS 28A
 Synthesis of albumin and of total plasma proteins by liver of fed and starved rats. By V. M. PAIN, P. J. GARLICK and M. A. McNURLAN 29A
 The effect of aging on protein turnover in the rat. By D. J. MILLWARD and P. C. BATES 30A
 A perfused ruminant muscle preparation. By B. J. COWARD and P. J. BUTTERY 31A
 Protein turnover and whole body nitrogen metabolism in the growing pig. By B. K. EDMUNDS, P. J. BUTTERY and C. FISHER 32A
 Diurnal variations in protein metabolism in man. By P. J. GARLICK, G. A. CLUGSTON, R. W. SWICK, I. H. MEINERTZGAGEN and J. C. WATERLOW 33A
 The digestion of dietary protein and synthesis of bacterial protein in the rumen in sheep given silages prepared with the addition of formic acid. By N. C. KELLY, P. C. THOMAS and D. G. CHAMBERLAIN 34A
 General Practitioners and nutrition: a study in the Leeds and Bradford Health Authorities. By P. FIELDHOUSE and A. E. DE LOOY 35A
 Personality and food preferences. By HELEN L. MURRAY and R. H. J. WATSON 36A
 The diabetic diet: nuisance or necessity? By E. ANNE WILSON, DOROTHY CLARKE and D. R. HADDEN 37A
 Immunological changes associated with the obob (obese) genotype. By C. J. MEADE, J. SHEENA and J. MERTIN 38A
 Comparison of the effects of carrageenins and Danish agar on the colon of guinea-pigs. By J. WATT and A. J. MARCUS 39A
 Diet and faecal flora: a comparison of rural Northern Nigeria and London, UK. By P. BORRIELLO, B. DRASER and A. TOMKINS 40A
 Biochemical responses of women with low storage iron to a sustained release preparation of oral Fe. By E. FAIRHURST, T. L. C. DALE and B. D. RIDGE 41A
 Rickets and vitamin D metabolism in primates. By A. W. M. HAY, M. DARLING and G. WATSON 42A
 Effect of duodenal cannulation on digesta flow in the preruminant calf. By J. W. SISSONS and R. H. SMITH 43A
 The effects of a low-protein diet on milk yield and plasma metabolites in Friesian heifers during early lactation. By J. D. OLDHAM, W. H. BROSTER and J. W. SIVITER 44A
 The effects of low- and high-protein diets upon the concentrations of plasma low density lipoproteins, in Friesian heifers throughout lactation. By D. STEAD and J. D. OLDHAM 45A

Three Hundred and Fourteenth Scientific Meeting
University of Reading, Whiteknights Park, Reading, RG6 2JA
 7 APRIL 1978

Dietary fibre and glucose tolerance importance of viscosity. By T. M. S. WOLEVER, D. J. A. JENKINS, A. R. LEEDS, M. A. GASSULL, J. B. DILAWARI, D. V. GOFF, G. L. METZ and K. G. M. M. ALBERTI 47A
 Rumen proteolysis of fraction 1 leaf protein, casein and bovine serum albumin. By J. H. A. NUGENT and J. L. MANGAN 48A
 Biochemical evaluation of the erythrocyte glutathione reductase test for riboflavin deficiency. By A. M. PRENTICE and C. J. BATES 49A
 Effect of folate deficiency on crypt and villus cells isolated from gut epithelium. By JACQUI BADCOCK and A. M. TOMKINS 50A
 Carbohydrases in the small intestine mucosa of sow-reared and 3-week weaned piglets. By D. E. KIDDER and M. J. MANNERS 51A

[Continued on p. iii of wrapper]

© The Nutrition Society, 1978

CAMBRIDGE UNIVERSITY PRESS
 The Pitt Building, Trumpington Street, Cambridge CB2 1RP
 Bentley House, 200 Euston Road, London NW1 2DB
 32 East 57th Street, New York, N.Y. 10022

Lampart Gilbert Printers Ltd., Reading, England.