

INDEX OF AUTHORS

Addison, J. M.	259	Grabarek, Z.	175	Pirie, A.	297
Ashwell, M.	201	Gruzdikov, A. A.	205	Raczyński, G.	291
Boyd, J. J.	191	Iezuitova, N. N.	205	Rakowska, M.	163, 175
Braithwaite, G. D.	311	Koltushkina, G. G.	205	Schcherbakov, G. G.	205
Buraczewski, S.	291	Kunachowicz, H.	163	Snochowski, M.	291
Burleigh, M. C.	297	L'Estrange, J. L.	221, 233	Szkilladziowa, W.	175
Burston, D.	259	McNamara, T.	221, 233	Takahashi, S.	267
Carpenter, K. J.	325, 339	Marrs, T. C.	259	Timofeeva, N. M.	205
Chernyakhovskaya, M. Yu.	205	Matthews, D. M.	259	Tulyaganova, E. Ch.	205
Close, W. H.	279	Mount, L. E.	279	Tsvetkova, V. A.	205
Davies, N. T.	243	Nightingale, R.	243	Ugelov, A. M.	205
De Laey, P.	205	Pieniżek, D.	163, 175	Varnish, S. A.	325, 339
Egorova, V. V.	205			Werb, Z.	297
Furuya, S.	267				

FORTHCOMING PAPERS

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

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

- The effects of dietary calcium and phosphorus on the retention and excretion of lead in rats. By J. QUARTERMAN and J. N. MORRISON
- Variation in the apparent nutrient content of foods: a study of sampling error. By A. W. CHAN CHIM YUK, ERICA F. WHEELER and IRENE M. LEPPINGTON
- Vitamin B₁₂ metabolism in the fruit bat (*Rousettus aegyptiacus*). The induction of vitamin B₁₂ deficiency and its effects of folate levels. By SUSAN V. VAN TONDER, J. METZ and R. GREEN
- Effects of severe energy and protein deficiencies on the fibres and nuclei in skeletal muscle of pigs. By N. C. STICKLAND, ELSIE M. WIDDOWSON and G. GOLDSPIK
- Serum colloidal osmotic pressure in the development of kwashiorkor and in recovery: its relationship to albumin and globulin concentrations and oedema. By W. A. COWARD
- Some observations on the possible nutritional significance of vitamin B₁₂- and folate-binding proteins in milk. Absorption of [⁵⁸Co]cyanocobalamin in suckling piglets. By J. E. FORD, K. J. SCOTT, B. F. SANSON and P. J. TAYLOR
- Metabolic studies of [⁷⁵Se]selenocystine and [⁷⁵Se]selenomethionine in the rat. By CHRISTINE D. THOMSON, BRIDGET A. ROBINSON, R. D. H. STEWART and MARION F. ROBINSON
- Thresholds of response to electric shock in previously undernourished rats. By J. L. SMART, T. S. WHATSON, and J. DOBBING
- A dietary survey of older people in Edinburgh. By MARY E. LONERGAN, J. S. MILNE, M. M. MAULE and J. WILLIAMSON

Papers on GENERAL NUTRITION

- The effect of feeding high levels of low-quality proteins to growing chickens. By E. WETHLI, T. R. MORRIS and T. P. SHRESTA
- The effect of glucose infusion on the plasma free amino acids in sheep. By N. W. OFFER, M. V. TAS, R. F. E. AXFORD and R. A. EVANS
- Studies on the nutrition of marine flatfish. The thiamin requirement of turbot (*Scophthalmus maximus*). By C. B. COWEY, J. W. ADRON, D. KNOX and G. T. BALL
- The role of organic sulphur in the copper-molybdenum-S interrelationship in ruminant nutrition. By N. F. SUTTLE
- New inhibitors of methane production by rumen micro-organisms. Development and testing of inhibitors in vitro. By J. W. CZERKAWSKI and GRACE BRECKENRIDGE
- New inhibitors of methane production of rumen micro-organisms. Experiments with animals and other practical possibilities. By J. W. CZERKAWSKI and GRACE BRECKENRIDGE
- The effect of processing of barley-based supplements on rumen pH, rate of digestion and voluntary intake of dried grass in sheep. By E. R. ØRSKOV and C. FRASER

The British Journal of Nutrition

Volume 34 No. 2 September 1975

CONTENTS

Papers of direct relevance to CLINICAL AND HUMAN NUTRITION

- The participation of methionine and cysteine in the formation of bonds resistant to the action of proteolytic enzymes in heated casein. By DANUTA PIENIAŻEK, MARIA RAKOWSKA and HANNA KUNACHOWICZ 163-173
- Estimation of available methionine and cysteine in proteins of food products by in vivo and in vitro methods. By DANUTA PIENIAŻEK, MARIA RAKOWSKA, WIESŁAWA SZKILLĄDZIOWA and Z. GRABAREK 175-190
- The role of energy and fluid imbalance in weight changes found during field work in Antarctica. By J. J. BOYD 191-200
- The relationship of the age of onset of obesity to the success of its treatment in the adult. By MARGARET ASHWELL 201-204
- Substrate interactions on the intestinal mucosa: a concept for the regulation of intestinal digestion. By A. M. UGOLEV, A. A. GRUZDKOV, P. DE LAEY, V. V. EGOROVA, N. N. IEZUITOVA, G. G. KOLTUSHKINA, N. M. TIMOFEEVA, E. CH. TULYAGANOVA, V. A. TSVETKOVA, M. YU. CHERNYAKHOVSKAYA and G. G. SCHCHERBAKOV 205-220
- Changes in plasma amino acid concentrations in man after ingestion of an amino acid mixture simulating casein, and a tryptic hydrolysate of casein. By T. C. MARRS, JILL M. ADDISON, D. BURSTON and D. M. MATTHEWS 259-265
- Absorption of L-histidine and glucose from the jejunum segment of the pig and its diurnal fluctuation. By S. FURUYA and S. TAKAHASHI 267-277
- The rate of heat loss during fasting in the growing pig. By W. H. CLOSE and L. E. MOUNT 279-290
- Metabolism of ϵ -(γ -L-glutamyl)-L-lysine in the rat. By G. RACZYŃSKI, M. SNOCHOWSKI and S. BURACZEWSKI 291-296
- Collagenase and other proteinases in the cornea of the retinol-deficient rat. By ANTONETTE PIRIE, ZENA WERB and MARY C. BURLEIGH 297-309
- Mechanisms of heat damage in proteins. 5. The nutritional values of heat-damage and propionylated proteins as sources of lysine, methionine and tryptophan. By SHIRLEY A. VARNISH and K. J. CARPENTER 325-337
- Mechanisms of heat damage in proteins. 6. The digestibility of individual amino acids in heated and propionylated proteins. By SHIRLEY A. VARNISH and K. J. CARPENTER 339-349

Papers on GENERAL NUTRITION

- Effects of dietary hydrochloric acid on voluntary food intake and metabolism of sheep in relation to the use of mineral acids as silage additives. By J. L. L'ESTRANGE and T. McNAMARA 221-231
- A study of the effectiveness of calcined magnesite as a neutralizing agent for hydrochloric acid in the diet of sheep. By T. McNAMARA and J. L. L'ESTRANGE 233-242
- The effects of phytate on intestinal absorption and secretion of zinc, and whole-body retention of Zn, copper, iron and manganese in rats. By N. T. DAVIES and R. NIGHTINGALE 243-258
- Studies on the absorption and retention of calcium and phosphorus by young and mature Ca-deficient sheep. By G. D. BRAITHWAITE 311-324

© 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

Printed in Great Britain at the University Printing House, Cambridge