

Index of Authors

- AKINRELE, I. A. and EDWARDS, C. C. A. An assessment of the nutritive value of a maize-soya mixture, 'Soy-Ogi', as a weaning food in Nigeria 177
- ARENAS, S. *see* BEAS, F. 169
- ARMSTRONG, D. G. *see* BEEVER, D. E. 123
- BALCH, C. C. Proposal to use time spent chewing as an index of the extent to which diets for ruminants possess the physical property of fibrousness characteristic of roughages 383
- BEAS, F., CONTRERAS, I., MACCIONI, A. and ARENAS, S. Growth hormone in infant malnutrition: the arginine test in marasmus and kwashiorkor 169
- BEEVER, D. E., THOMSON, D. J., PFEFFER, E. and ARMSTRONG, D. G. The effect of drying and ensiling grass on its digestion in sheep. Sites of energy and carbohydrate digestion 123
- BENGTSSON, G. Soluble and insoluble blood serum proteins in fed and fasted newborn pigs 449
- BLOXAM, D. L. Nutritional aspects of amino acid metabolism. I. A rat liver perfusion method for the study of amino acid metabolism 393
- BRAITHWAITE, G. D. and RIAZUDDIN, SH. The effect of age and level of dietary calcium intake on calcium metabolism in sheep 215
- CADENHEAD, A. *see* FULLER, M. F. 203
- ČERNÝ, K., KORDYLAS, M., POSPŠIL, F., ŠVÁBENSKÝ, O. and ZAJÍC, B. Nutritive value of the winged bean (*Psophocarpus palustris* Desv.) 293
- CHOU, S. T., SELL, J. L. and KONDRA, P. A. Interrelationships between riboflavin and dietary energy and protein utilization in growing chicks 323
- CLAPPERTON, J. L. and CZERKAWSKI, J. W. The effect of tertiary branched-chain carboxylic acids on the energy metabolism of sheep 459
- COATES, M. E. *see* SALTER, D. N. 55
- CONTRERAS, I. *see* BEAS, F. 169
- COOK, G. C. and JACOBSON, J. Individual variation in fructose metabolism in man 187
- CORBETT, J. L., FARRELL, D. J., LENG, R. A., McCLYMONT, G. L. and YOUNG, B. A. Determination of the energy expenditure of penned and grazing sheep from estimates of carbon dioxide entry rate 277
- CZERKAWSKI, J. W. *see* CLAPPERTON, J. L. 459
- DESAI, B. L. M. *see* PRASANNA, H. A. 71
- DOWN, M. G. *see* SHARMAN, I. M. 265
- DUGDALE, A. E. The effect of the type of feeding on weight gain and illnesses in infants 423
- EADIE, J. M. and GILL, J. C. The effect of the absence of rumen ciliate protozoa on growing lambs fed on a roughage-concentrate diet 155
- EDWARDS, C. C. A. *see* AKINRELE, I. A. 177
- EGAN, A. R. and KELLAWAY, R. C. Evaluation of nitrogen metabolites as indices of nitrogen utilization in sheep given frozen and dry mature herbage 335
- EL-BEDRI, A. L. *see* SHAKIR, A. 227
- EL-TAHAWI, H. D. *see* ROBSON, J. R. K. 233
- FARRELL, D. J. *see* CORBETT, J. L. 277
- FORD, E. J. H. *see* REILLY, P. E. B. 249
- FORD, J. E. and SHORROCK, C. Metabolism of heat-damaged proteins in the rat. Influence of heat damage on the excretion of amino acids and peptides in the urine 311
- FRASER, C. *see* ØRSKOV, E. R. 477
- FULLER, M. F., HOUSEMAN, R. A. and CADENHEAD, A. The measurement of exchangeable potassium in living pigs and its relation to body composition 203
- GANDERTON, P. *see* ROY, J. H. B. 353, 363
- GASTON, H. J. *see* ROY, J. H. B. 353, 363
- GILL, J. C. *see* EADIE, J. M. 155
- GRAY, F. V. *see* WELLESER, R. A. 487
- GREENHALGH, J. F. D. and REID, G. W. Relative palatability to sheep of straw, hay and dried grass 107
- HALLIDAY, D. An attempt to estimate total body fat and protein in malnourished children 147
- HANSEN, J. D. L. *see* LEHMANN, B. H. 197
- HECKER, J. F. Ammonia in the large intestine of herbivores 135
- HINDAWI, A. Y. *see* SHAKIR, A. 227
- HOPKINS, S. P. *see* LAWLOR, M. J. 439
- HOUSEMAN, R. A. *see* FULLER, M. F. 203
- HUGHES, R. E., HURLEY, R. J. and JONES, P. R. The retention of ascorbic acid by guinea-pig tissues 433
- HURLEY, R. J. *see* HUGHES, R. E. 433
- JACOBSON, J. *see* COOK, G. C. 187
- JONES, P. R. *see* HUGHES, R. E. 433
- JOVANOVIĆ, M. *see* NIKOLIĆ, J. A. 237
- KALDOR, I. *see* LESLIE, A. J. 469
- KAY, R. N. B. and RUCKEBUSCH, Y. Movements of the stomach compartments of a young bull during sucking 301
- KEALY, J. K. *see* LAWLOR, M. J. 439
- KELLAWAY, R. C. *see* EGAN, A. R. 335
- KELLEHER, J. *see* SMITH, C. L. 89
- KONDRA, P. A. *see* CHOU, S. T. 323
- KORDYLAS, M. *see* ČERNÝ, K. 293
- LAWLOR, M. J., HOPKINS, S. P. and KEALY, J. K. The functioning of the oesophageal groove reflex and comparison of the performance of lambs fed individually and in groups 439

- LEHMANN, B. H., HANSEN, J. D. L. and WARREN, P. J. The distribution of copper, zinc and manganese in various regions of the brain and in other tissues of children with protein-calorie malnutrition 197
- LENG, R. A. *see* CORBETT, J. L. 277
- LESLIE, A. J. and KALDOR, I. Body iron and its distribution between haem and non-haem fractions in the suckling rat 469
- LOSOWSKY, M. S. *see* SMITH, C. L. 89
- MACCIONI, A. *see* BEAS, F. 169
- MCCLYMONT, G. L. *see* CORBETT, J. L. 277
- MCDONALD, I. *see* ØRSKOV, E. R. 477
- MARSTON, H. R. *see* SMITH, R. M. 41
- MILLS, C. F. and MITCHELL, R. L. Copper and molybdenum in subcellular fractions of rat liver 117
- MINSON, D. J. and TERNOUTH, J. H. The expected and observed changes in the intake of three hays by sheep after shearing 31
- MITCHELL, R. L. *see* MILLS, C. F. 117
- MOORE, J. H. *see* NOBLE, R. C. 97
- MORRISH, N. *see* SMITH, C. L. 89
- NARAYANO RAO, M. *see* PRASANNA, H. A. 71
- NIKOLIĆ, J. A., JOVANOVIĆ, M., STOŠIĆ, D. and PAVLIČEVIĆ, A. The effect of dietary content of plant protein on the utilization of urea in the bovine rumen 237
- NOBLE, R. C., STEELE, W. and MOORE, J. H. Fatty acid composition of liver lipids of young lambs 97
- NORTON, B. W. and WALKER, D. M. Nitrogen balance studies with the milk-fed lamb. 7. Effect of age of the lamb 1
- NORTON, B. W. and WALKER, D. M. Nitrogen balance studies with the milk-fed lamb. 8. Labile protein reserves 7
- NORTON, B. W. *see also* WALKER, D. M. 15
- ØRSKOV, E. R., FRASER, C. and MCDONALD, I. Digestion of concentrates in sheep. 3. Effects of rumen fermentation of barley and maize diets on protein digestion 477
- OSTLER, D. C. *see* ROY, J. H. B. 363
- PAVLIČEVIĆ, A. *see* NIKOLIĆ, J. A. 237
- PFEFFER, E. *see* BEEVER, D. E. 123
- PILGRIM, A. F. *see* WELLER, R. A. 487
- PORTER, P. and SINGLETON, A. G. Digestion of carbohydrates of hay in small ruminants 75
- POSPÍŠIL, F. *see* ČERNÝ, K. 293
- PRASANNA, H. A., DESAI, B. L. M. and NARAYANA RAO, M. Detection of early protein-calorie malnutrition (pre-kwashiorkor) in population groups 71
- REID, C. S. W. *see* WELLER, R. A. 487
- REID, G. W. *see* GREENHALGH, J. F. D. 107
- REILLY, P. E. B. and FORD, E. J. H. The effects of different dietary contents of protein on amino acid and glucose production and on the contribution of amino acids to gluconeogenesis in sheep 249
- RIAZUDDIN, SH. *see* BRAITHWAITE, G. D. 215
- ROBSON, J. R. K. and EL-TAHAWI, H. D. Hardness of human nail as an index of nutritional status: a preliminary communication 233
- ROY, J. H. B., STOBO, I. J. F., GASTON, H. J., GANDERTON, P., SHOTTON, S. M. and OSTLER, D. C. The effect of environmental temperature on the performance and health of the pre-ruminant and ruminant calf 363
- ROY, J. H. B., STOBO, I. J. F., GASTON, H. J., GANDERTON, P., SHOTTON, S. M. and THOMPSON, S. Y. The nutrition of the veal calf. 4. The effect of offering roughage on health and performance 353
- RUCKEBUSCH, Y. *see* KAY, R. N. B. 301
- SALTER, D. N. and COATES, M. E. The influence of the microflora of the alimentary tract on protein digestion in the chick 55
- SELL, J. L. *see* CHOU, S. T. 323
- SEN, R. N. *see* SHARMAN, I. M. 265
- SHAKIR, A., HINDAWI, A. Y. and EL-BEDRI, A. L. Plasma and blood volume studies in malnourished Iraqi children 227
- SHARMAN, I. M., DOWN, M. G. and SEN, R. N. The effects of vitamin E and training on physiological function and athletic performance in adolescent swimmers 265
- SHOTTON, S. M. *see* ROY, J. H. B. 353, 363
- SHORROCK, C. *see* FORD, J. E. 311
- SINGLETON, A. G. *see* PORTER, P. 75
- SMITH, C. L., KELLEHER, J., LOSOWSKY, M. S. and MORRISH, N. The content of vitamin E in British diets 89
- SMITH, R. M. and MARSTON, H. R. Metabolism of propionate by pair-fed vitamin B₁₂-deficient and vitamin B₁₂-treated sheep 41
- STEELE, W. *see* NOBLE, R. C. 97
- STOBO, I. J. F. *see* ROY, J. H. B. 353, 363
- STOŠIĆ, D. *see* NIKOLIĆ, J. A. 237
- ŠVÁBENSKÝ, O. *see* ČERNÝ, K. 293
- TAYLOR, M. N. *see* WELLER, R. A. 487
- TERNOUTH, J. H. *see* MINSON, D. J. 31
- THOMPSON, S. Y. *see* ROY, J. H. B. 353
- THOMSON, D. J. *see* BEEVER, D. E. 123
- WALKER, D. M. and NORTON, B. W. Nitrogen balance studies with the milk-fed lamb. 9. Energy and protein requirements for maintenance, live-weight gain and wool growth 15
- WALKER, D. M. *see also* NORTON, B. W. 1, 7
- WARREN, P. J. *see* LEHMANN, B. H. 197
- WELLER, R. A., PILGRIM, A. F., GRAY, F. V., TAYLOR, M. N. and REID, C. S. W. Level of food intake and the passage of markers and nitrogen along the alimentary tract of sheep 487
- YOUNG, B. A. *see* CORBETT, J. L. 277
- ZAJÍČ, B. *see* ČERNÝ, K. 293