

Index of Authors

- ABE, M., SHIBUI, H., IRIKI, T. and KUMENO, F. Relation between diet and protozoal population in the rumen 197
- ADAMS, J. F., MCEWAN, F. and WILSON, A. The vitamin B₁₂ content of meals and items of diet 65
- ADDY, H. A. *see* ČERNÝ, K. 105
- AGARWAL, K. N., *see* GUPTA, M. 151
- ALFARO, B. and HEATON, F. W. Relationships between copper, zinc and iron in the plasma, soft tissues and skeleton of the rat during Cu deficiency 73
- ALLISON, R. M., LAIRD, W. M. and SYNGE, R. L. M. Notes on a deamination method proposed for determining 'chemically available lysine' of proteins 51
- ANDRIEUX-DOMONT, C. and LE VAN HUNG. Effects of magnesium deficiency on reproduction in the white rat 203
- ASHIDA, K. *see* HORIE, Y. 23
- ASHWORTH, A., MILNER, P. F., WATERLOW, J. C. and WALKER, R. B. Absorption of iron from maize (*Zea mays* L.) and soya beans (*Glycine hispida* Max.) in Jamaican infants 269
- BAKER, B. A. *see* LUNN, P. G. 399
- BALCH, C. C. *see* BINES, J. A. 457
- BINES, J. A. and BALCH, C. C. Relative retentions of the nitrogen of urea and groundnut in isoenergetic diets for growing heifers 457
- BIRCH, G. G., ETHERIDGE, I. J. and GREEN, L. F. Short-term effects of feeding rats with glucose syrup fractions and dextrose 87
- BRAUDE, R. and NEWPORT, M. J. Artificial rearing of pigs. 4. The replacement of butterfat in a whole-milk diet by either beef tallow, coconut oil or soya-bean oil 447
- BRECKENRIDGE, G. *see* CZERKAWSKI, J. W. 317
- BREMNER, I. and DALGARNO, A. C. Iron metabolism in the veal calf. The availability of different iron compounds 229
- BURNETT, J. *see* EVANS, E. W. 357
- BUTTLE, H. L. *see* TERNOUTH, J. H. 387
- CAMERON, R. D. *see* LUICK, J. R. 245
- CAWSON, R. A. *see* GRENBY, T. H. 221
- ČERNÝ, K. and ADDY, H. A. The winged bean (*Psophocarpus palustris* Desv.) in the treatment of kwashiorkor 105
- COATES, M. E. *see* HEWITT, D. 423
- COOK, G. C. Increased glycine absorption rate associated with acute bacterial infections in man 377
- CRAWFORD, M. A. *see* SINCLAIR, A. J. 127
- CYMBALUK, N. F., GORDON, A. J. and the late NEUDOERFFER, T. S. The effect of the chemical composition of maize plant lignin on the digestibility of maize stalk in the rumen of cattle 1
- CZERKAWSKI, J. W. and BRECKENRIDGE, G. Dissimilation of 1,2-propanediol by rumen microorganisms 317
- DALGARNO, A. C. *see* BREMNER, I. 229
- ESKELAND, B., PFANDER, W. H. and PRESTON, R. L. Utilization of volatile fatty acids and glucose for protein deposition in lambs 347
- ETHERIDGE, I. J. *see* BIRCH, G. G. 87
- EVANS, E. W., PEARCE, G. R., BURNETT, J. and PILLINGER, S. L. Changes in some physical characteristics of the digesta in the reticulo-rumen of cows fed once daily 357
- EVARTS, R. P. and OKSANEN, A. Phospholipids in artificially induced dystrophy of calves 293
- FELLENIOUS, E., NISBETH, U., PILSTRÖM, L. and KIESSLING, K.-H. Changes in the activity of citrate lyase, malic enzyme and acetyl-CoA synthetase in rat liver after short-term and long-term feeding with ethanol 307
- FELLENIOUS, E. *see also* PILSTRÖM, L. 297
- FROOD, J. D. L. *see* RUTISHAUSER, I. H. E. 261
- GORDON, A. J. *see* CYMBALUK, N. F. 1
- GREEN, L. F. *see* BIRCH, G. G. 87
- GRENBY, T. H., PATERSON, F. M. and CAWSON, R. A. Dental caries and plaque formation from diets containing sucrose or glucose in gnotobiotic rats infected with *Streptococcus* strain IB-1600 221
- GROVUM, W. L. and WILLIAMS, V. J. Rate of passage of digesta in sheep. 1. The effect of level of food intake on marker retention times along the small intestine and on apparent water absorption in the small and large intestines 13
- GUPTA, M. and AGARWAL, K. N. Free amino acid patterns of plasma, erythrocytes and leucocytes in hypoproteinaemia 151
- HALL, G. A. and HOWELL, J. McC. Lesions produced by copper deficiency in neonate and older rats 95
- HAY, R. W. *see* LUNN, P. G. 399
- HEATON, F. W. *see* ALFARO, B. 73
- HEGAZI, S. M. *see* SALEM, S. I. 113
- HEWITT, D., COATES, M. E., KAKADE, M. L. and LIENER, I. E. A comparison of fractions prepared from navy (haricot) beans (*Phaseolus vulgaris* L.) in diets for germ-free and conventional chicks 423
- HORIE, Y. and ASHIDA, K. Effect of an adequate-protein diet after a low-protein diet on protein catabolism in growing rats 23
- HOWELL, J. McC. *see* HALL, G. A. 95

- HUSSAIN, M. A. A fresh look at the incidence of protein deficiency in Pakistan 211
- IRIKI, T. *see* ABE, M. 197
- JUDSON, G. J. and LENG, R. A. Studies on the control of gluconeogenesis in sheep: effect of glucose infusion 159
- JUDSON, G. J. and LENG, R. A. Studies on the control of gluconeogenesis in sheep: effect of propionate, casein and butyrate infusions 175
- KAKADE, M. L. *see* HEWITT, D. 423
- KISSLING, K.-H. *see* FELLENIUS, E. 307
- KISSLING, K.-H. *see* PILSTRÖM, L. 297
- KUMENO, F. *see* ABE, M. 197
- LAIRD, W. M. *see* ALLISON, R. M. 51
- LENG, R. A. *see* JUDSON, G. J. 159, 175
- LE VAN HUNG, *see* ANDRIEUX-DOMONT, C. 203
- LIENER, I. E. *see* HEWITT, D. 423
- LUICK, J. R., PERSON, S. J., CAMERON, R. D. and WHITE, R. G. Seasonal variations in glucose metabolism of reindeer (*Rangifer tarandus* L.) estimated with [U - ^{14}C]glucose and [3 - 3H]glucose 245
- LUNN, P. G., WHITEHEAD, R. G., HAY, R. W. and BAKER, B. A. Progressive changes in serum cortisol, insulin and growth hormone concentrations and their relationship to the distorted amino acid pattern during the development of kwashiorkor 399
- MCALLAN, A. B. and SMITH, R. H. Degradation of nucleic acids in the rumen 331
- MCALLAN, A. B. and SMITH, R. H. Degradation of nucleic acid derivatives by rumen bacteria in vitro 467
- MCEWAN, F. *see* ADAMS, J. F. 65
- MILNER, P. F. *see* ASHWORTH, A. 269
- MORCOS, S. R. *see* SALEM, S. I. 113
- NEUDOERFFER, T. S. *see* CYMBALUK, N. F. 1
- NEWPORT, M. J. *see* BRAUDE, R. 447
- NISBETH, U. *see* FELLENIUS, E. 307
- NITZAN, Z. *see* VOLCANI, R. 121
- OXSANEN, A. *see* EVARTS, R. P. 293
- OWEN, E. C. *see* WEST, D. W. 33, 43
- PATERSON, F. M. *see* GRENBY, T. H. 221
- PEARCE, G. R. *see* EVANS, E. W. 357
- PERSON, S. J. *see* LUICK, J. R. 245
- PFANDER, W. H. *see* ESKELAND, B. 347
- PILLINGER, S. L. *see* EVANS, E. W. 357
- PILSTRÖM, L., FELLENIUS, E. and KISSLING, K.-H. The use of a semi-synthetic liquid diet for the supply of ethanol to rats and its effect on lysosomal enzyme activities in the liver 297
- PILSTRÖM, L. *see also* FELLENIUS, E. 307
- PRESTON, R. L. *see* ESKELAND, B. 347
- ROWLANDS, G. J. *see* TWARDOCK, A. R. 437
- RUTISHAUSER, I. H. E. and FROOD, J. D. L. The effect of a traditional low-fat diet on energy and protein intake, serum albumin concentration and body-weight in Ugandan preschool children 261
- SALEM, S. I., HEGAZI, S. M. and MORCOS, S. R. Experimental protein-energy deficiency in rats. Ratio of serine+glycine to threonine as an index of deficiency 113
- SANSOM, B. F. *see* TWARDOCK, A. R. 437
- SHIBUI, H. *see* ABE, M. 197
- SINCLAIR, A. J. and CRAWFORD, M. A. The effect of a low-fat maternal diet on neonatal rats 127
- SKLAN, D. *see* VOLCANI, R. 121
- SMITH, R. H. *see* MCALLAN, A. B. 331, 467
- SPRAY, G. H. *see* WILLIAMS, D. L. 57
- SYMONDS, H. W. *see* TWARDOCK, A. R. 437
- SYNGE, R. L. M. *see* ALLISON, R. M. 51
- TERNOUTH, J. H. and BUTTLE, H. L. Concurrent studies on the flow of digesta in the duodenum and of exocrine pancreatic secretion of calves. The collection of the exocrine pancreatic secretion from a duodenal cannula 387
- TURNER, M. R. Perinatal mortality, growth and survival to weaning in offspring of rats reared on diets moderately deficient in protein 139
- TWARDOCK, A. R., SYMONDS, H. W., SANSOM, B. F. and ROWLANDS, G. J. The effect of litter size upon foetal growth rate and the placental transfer of calcium and phosphorus in superovulated Scottish half-bred ewes 437
- VOLCANI, R., ZISLING, R., SKLAN, D. and NITZAN, Z. The composition of chinchilla milk 121
- WALKER, R. B. *see* ASHWORTH, A. 269
- WATERLOW, J. C. *see* ASHWORTH, A. 269
- WEBSTER, A. J. F. and WHITE, F. Portal blood flow and heat production in the digestive tract of sheep 279
- WEST, D. W. and OWEN, E. C. Degradation of riboflavin by alimentary bacteria of the ruminant and man: production of 7,8-dimethyl-10-carboxymethylisoalloxazine 33
- WEST, D. W. and OWEN, E. C. Metabolism of riboflavin: reduction of 7,8-dimethyl-10-formylmethylisoalloxazine by an enzyme in liver 43
- WHITE, F. *see* WEBSTER, A. J. F. 279
- WHITE, R. G. *see* LUICK, J. R. 245
- WHITEHEAD, R. G. *see* LUNN, P. G. 399
- WILLIAMS, D. L. and SPRAY, G. H. The effects of diets containing raw soya-bean flour on the vitamin B₁₂ status of rats 57
- WILLIAMS, V. J. *see* GROVUM, W. L. 13
- WILSON, A. *see* ADAMS, J. F. 65
- ZISLING, R. *see* VOLCANI, R. 121