

Index of Authors

- ADRON, J. *see* COWEY, C. B. 297
 ALLEYNE, G. A. O. *see* FRASER, H. S. 113
 ALLISON, R. M. *see* HOVE, E. L. 147
 ASCARELLI, I. *see* BRUCKENTAL, I. 1
 ASHWORTH, A. *Ad lib.* feeding during recovery from malnutrition 109
- BATTERHAM, E. S. The effect of frequency of feeding on the utilization of freelysine by growing pigs 237
- BEN-GHEDALIA, D., TAGARI, H., BONDI, A. and TADMOR, A. Protein digestion in the intestine of sheep 125
- BINES, J. A. *see* EVANS, E. W. 273
 BLAIR, A. *see* COWEY, C. B. 297
 BONDI, A. *see* BEN-GHEDALIA, D. 125
 BONDI, A. *see* BRUCKENTAL, I. 1
 BOOTH, D. A. *see* SIMSON, P. C. 285
 BOTHWELL, T. H. *see* SAYERS, M. H. 367
 BRAITHWAITE, G. D. The effect of changes in dietary calcium concentration on calcium metabolism in sheep 319
- BRUCKENTAL, I., ASCARELLI, I. and BONDI, A. Effect of vitamin A deficiency on protein catabolism in chicks 1
- BUNYAN, J., MURRELL, E. A., CAWTHORNE, M. A. and REDMAN, B. T. Studies on unidentified growth factors. 1. Factor G, a growth factor for rats 167
- BUNYAN, J., MURRELL, E. A., CAWTHORNE, M. A. and REDMAN, B. T. Studies on unidentified growth factors. 2. Progressin, a growth factor for chicks 179
- BURNETT, J. *see* EVANS, E. W. 273
- CAWTHORNE, M. A. *see* BUNYAN, J. 167
 CAWTHORNE, M. A. *see* BUNYAN, J. 179
 CHARLTON, R. W. *see* SAYERS, M. H. 367
 CHRISTENSEN, K. D. *see* EGGUM, B. O. 213
 CHRISTIE, A. A. *see* TOLAN, A. 185
 CLAPPERTON, J. L., THOMAS, P. C., STOKES, M. R. and HENDERSON, J. M. A compact machine for feeding sheep up to twelve times daily 271
- COATES, M. E. *see* SALTER, D. N. 307
 COOMBE, N. B. and SMITH, R. H. Digestion and absorption of starch, maltose and lactose by the preruminant calf 227
- COWEY, C. B., ADRON, J., BLAIR, A. and SHANKS, A. M. Studies on the nutrition of marine flatfish. Utilization of various dietary proteins by plaice (*Pleuronectes platessa*) 297
- DEOSTHALE, Y. G. and GOPALAN, C. The effect of molybdenum levels in sorghum (*Sorghum vulgare* Pers.) on uric acid and copper excretion in man 351
- EGGUM, B. O. and CHRISTENSEN, K. D. Protein digestibility of a feed mixture in relation to the protein digestibility of the individual protein components 213
- ESKELAND, B., PFANDER, W. H. and PRESTON, R. L. Intravenous energy infusion in lambs: effects on nitrogen retention, plasma free amino acids and plasma urea nitrogen 201
- EVANS, E. W., BURNETT, J. and BINES, J. A. A study of the effect of exposure in the reticulo-rumen of the cow on the strength of cotton, grass, hay and straw 273
- FERN, E. B. *see* SKETCHER, R. D. 333
- FORD, J. E. Some observations on the possible nutritional significance of vitamin B₁₂- and folate-binding proteins in milk 243
- FRASER, C. *see* ØRSKOV, E. R. 89
- FRASER, H. S. and ALLEYNE, G. A. O. The effect of malnutrition on the pattern of growth in the rat kidney and the renal response to acidosis 113
- GOPALAN, C. *see* DEOSTHALE, Y. G. 351
 GYGAX, P. H. *see* PITTE, PH. 343
- HARFOOT, C. G. *see* NOBLE, R. C. 99
- HAYES, K. C. *see* SAID, A. K. 47
- HEAD, M. J. *see* TOLAN, A. 185
- HEGSTED, D. M. *see* SAID, A. K. 47
- HENDERSON, J. M. *see* CLAPPERTON, J. L. 271
- HEWITT, D. *see* SALTER, D. N. 307
- HOVE, E. L., LOHREY, E., URS, M. K. and ALLISON, R. M. The effect of lucerne-protein concentrate in the diet on growth, reproduction and body composition of rats 147
- HOVE, E. L. *see also* LOHREY, E. 159
- JAMES, W. P. T. *see* SKETCHER, R. D. 333
- JATHAR, V. S., SATOSKAR, R. S., MEHTA, B. M. and REGE, D. V. Effect of the protein content of the diet on the vitamin B₁₂ status in rats 219
- JÉQUIER, E. *see* PITTE, PH. 343
- KORELESKI, J. *see* RYŚ, R. 143
- KRISTENSEN, S. Ruminal biosynthesis of aromatic amino acids from arylacetic acids, glucose, shikimic acid and phenol 357
- LOHREY, E., TAPPER, B. and HOVE, E. L. Photosensitization of albino rats fed on lucerne-protein concentrate 159
- LOHREY, E. *see also* HOVE, E. L. 147
- LYNCH, S. R. *see* SAYERS, M. H. 367
- MATHESON, N. A. The determination of tryptophan in purified proteins and in feeding-stuffs 393

- MAYET, F. *see* SAYERS, M. H. 367
- MCALLAN, A. B. and SMITH, R. H. Carbohydrate metabolism in the ruminant. Bacterial carbohydrates formed in the rumen and their contribution to digesta entering the duodenum 77
- MCALLAN, A. B. *see also* SMITH, R. H. 27
- MCDONALD, I. *see* ØRSKOV, E. R. 89
- METHA, B. M. *see* JATHAR, V. S. 219
- MILLBURN, B. A. *see* TOLAN, A. 185
- MOORE, J. H. *see* NOBLE, R. C. 99
- MURRELL, E. A. *see* BUNYAN, J. 167
- MURRELL, E. A. *see* BUNYAN, J. 179
- NOBLE, R. C., MOORE, J. C. and HARFOOT, C. G. Observations on the pattern on biohydrogenation of esterified and unesterified linoleic acid in the rumen 99
- OMSTEDT, P. T. and VON DER DECKEN, A. Dietary amino acids: effect of depletion and recovery on protein synthesis in vitro in rat skeletal muscle and liver 67
- ØRSKOV, E. R., FRASER, C., McDONALD, I. and SMART, R. I. Digestion of concentrates in sheep. 5. The effect of adding fish meal and urea together to cereal diets on protein digestion and utilization by young sheep 89
- ORTON, C. R. *see* TOLAN, A. 185
- PEREIRA, S. M. *see* TAORI, G. M. 59
- PERRY, B. N. Protein turnover in skeletal muscle of piglets 35
- PFANDER, W. H. *see* ESKELAND, B. 201
- PITTET, PH., GYGAX, P. H. and JEQUIER, E. Thermic effect of glucose and amino acids in man studied by direct and indirect calorimetry 343
- PRESTON, R. L. *see* ESKELAND, B. 201
- PULLAR, J. D. and WEBSTER, A. J. F. Heat loss and energy retention during growth in congenitally obese and lean rats 377
- REDMAN, B. T. *see* BUNYAN, J. 167
- REDMAN, B. T. *see* BUNYAN, J. 179
- REEDS, P. J. The catabolism of valine in the malnourished rat. Studies in vivo and in vitro with different labelled forms of valine 259
- REGE, D. V. *see* JATHAR, V. S. 219
- ROBERTSON, J. *see* TOLAN, A. 185
- ROY, J. H. B. *see* TERNOUTH, J. H. 13
- RYS, R. and KORELESKI, J. The effect of dietary propionic acid on the requirement of chicks for vitamin B₁₂ 143
- SAID, A. K., HEGSTED, D. M. and HAYES, K. C. Response of adult rats to deficiencies of different essential amino acids 47
- SALTER, D. N., COATES, M. E. and HEWITT, D. The utilization of protein and excretion of uric acid in germ-free and conventional chicks 307
- SATOSKAR, R. S. *see* JATHAR, V. S. 219
- SAYERS, M. H., LYNCH, S. R., CHARLTON, R. W., BOTHWELL, T. H., WALKER, R. B. and MAYET, F. Iron absorption from rice meals cooked with fortified salt containing ferrous sulphate and ascorbic acid 367
- SHANKS, A. M. *see* COWEY, C. B. 297
- SIDDONS, R. C. *see* TERNOUTH, J. H. 13
- SIMSON, P. C. and BOOTH, D. A. The rejection of a diet which has been associated with a single administration of an histidine-free amino-acid mixture 285
- SKETCHER, R. D., FERN, E. B. and JAMES, W. P. T. The adaptation in muscle oxidation of leucine to dietary protein and energy intake 333
- SMART, R. I. *see* ØRSKOV, E. R. 89
- SMITH, R. H. and MCALLAN, A. B. Some factors influencing the composition of mixed rumen bacteria 27
- SMITH, R. H. *see also* MCALLAN, A. B. 77
- SMITH, R. H. *see also* COOMBE, N. B. 227
- STOKES, M. R. *see* CLAPPERTON, J. L. 271
- TADMOR, A. *see* BEN-GHEDALIA, D. 125
- TAGARI, H. *see* BEN-GHEDALIA, D. 125
- TAORI, G. M. and PEREIRA, S. M. Electroencephalograms and nerve conduction in survivors of kwashiorkor 59
- TAPPER, B. *see* LOHREY, E. 159
- TERNOUTH, J. H., ROY, J. H. B. and SIDDONS, R. C. Concurrent studies of the flow of digesta in the duodenum and of exocrine pancreatic secretion of calves. 2. The effects of addition of fat to skim milk of 'severe' preheating treatment of spray-dried skim-milk powder 13
- THOMAS, P. C. *see* CLAPPERTON, J. L. 271
- TOLAN, A., ROBERTSON, J., ORTON, C. R., HEAD, M. J., CHRISTIE, A. A. and MILLBURN, B. A. Studies on the composition of food. 5. The chemical composition of eggs produced under battery, deep litter and free range conditions 185
- URS, M. K. *see* HOVE, E. L. 147
- VON DER DECKEN, A. *see* OMSTEDT, P. T. 67
- WALKER, R. B. *see* SAYERS, M. H. 367
- WEBSTER, A. J. F. *see* PULLAR, J. D. 377