

## Index of Authors

*Numerals followed by the letter A refer to pages in Abstracts of Communications read at Meetings for Original Communications of The Nutrition Society*

- ADAMS, B. G. and FORBES, J. M. Additivity of effects of ruminal acetate and either portal propionate or rumen distension on food intake in sheep 44A
- ADELEKAN, D. A. and THURNHAM, D. I. A longitudinal study on the effect of riboflavin status on aspects of iron storage in the liver of growing rats 101A
- ALDERSON, M. R. Nutrition and cancer: evidence from epidemiology 1
- ALLIBONE, J. E. The effect of fluoride on plastic deformation and collagen content of rat bones 79A
- AL-MUKHTAR, F. *see* PARRY, W. H. 40A
- AL-SHAMMA, G. *see* GEDEON, G. 91A
- ANDERSON, D. M. W. *see* MCLEAN ROSS, A. H. 73A
- ANDERSON, D. M. The effects of chronic treatment with the putative anorexogenic peptide (Glu-His-Gly), on body-weight and food consumption in rats 98A
- ANDERSON, D. M. A new potent anorectic compound with additional weight-reducing effects 110A
- ARMSTRONG, D. G. *see* ROOKE, J. A. 82A, 83A
- ARTHUR, J. R. *see* PHILLIPPO, M. 26A
- BAILEY, J. L. *see* NAISMITH, D. J. 51A
- BAIRD, G. D. Lactation, pregnancy and metabolic disorder in the ruminant 115
- BAIRD, J. D. Diet and the development of clinical diabetes in man 213
- BALDWIN, R. L., CRIST, K., WAGHORN, G. and SMITH, N. E. The synthesis of models to describe metabolism and its integration 139
- BATES, P. C. and MILLWARD, D. J. Further examination of the source of urinary N<sup>15</sup>-methyl histidine in the rat 89A
- BATTAGLIA, F. C. and MESCHIA, G. Foetal and placental metabolisms: their interrelationship and impact upon maternal metabolism 99
- BEAUMONT, D. Problems of mineral supplementation in modern farming systems 279
- BEDI, K. S. *see* WARREN, M. A. 86A
- BENDER, A. E. and MOHAMMADIHA, H. Low digestibility of legume nitrogen 66A
- BENDER, D. A. *see* MAGBOUL, B. I. 16A
- BENDER, D. A., COULSON, W. F., PAPADAKI, L. and PUGH, M. Effects of oestrone on apparent vitamin B<sub>6</sub> status in peri- and post-menopausal women 20A
- BENDER, D. A. *see* WYNICK, D. 21A
- BENZIE, D., KAY, R. N. B. and GILL, J. C. Effects of frozen turnips and mineral supplements on incisor tooth loss in sheep 115A
- BERSCHAUER, F., CLOSE, W. H. and STEPHENS, D. B. The influence of feed intake, protein:energy value and environmental temperature on the efficiency of protein utilization in the pig 32A
- BERSCHAUER, F. *see* CLOSE, W. H. 33A
- BIER, D. M. *see* YOUNG, V. R. 343
- BIRKBECK, J. A. and GILLIES, M. F. The status of education on salt iodization in New Zealand 62A
- BLAKE, J. S., SALTER, D. N. and SMITH, R. H. Synthesis of alanine from ammonia by rumen bacteria 4A
- BLANKS, M. C. *see* GERRITSEN, G. C. 237
- BLAZA, S. E. *see* BURGER, I. H. 102A
- BLOOM, S. R. *see* POLAK, J. M. 363
- BRECKENRIDGE, G. *see* MEHRA, U. R. 23A
- BREMNER, I. *see* HUMPHRIES, W. R. 68A
- BREMNER, I. and YOUNG, B. W. Effect of variation in dietary iron concentration on copper metabolism in rats 69A
- BREMNER, I. *see* MILLS, C. F. 71A
- BRICE, R. E. and MORRISON, I. M. The effect of xylose on xylanase (hemicellulase) activity in the cell free liquor prepared from an artificial rumen (Rusitec) 24A
- BRICE, R. E. and MORRISON, I. M. The digestion of plant cell wall material in an artificial rumen (Rusitec) 75A
- BROOKS, S. L., ROTHWELL, N. J. and STOCK, M. J. Increased resistance to obesity following early exposure to the cafeteria diet 58A
- BROOME, A. W. J. *see* ROWE, J. B. 49A, 112A
- BROOME, A. W. J. *see* JAMES, S. 104A
- BROWN, A. *see* FELL, G. S. 76A
- BROWN, J. G. and MILLWARD, D. J. Manipulation of thyroid status in the rat by means of the osmotic minipump 95A
- BROWN, M., GIBNEY, M. J., RADCLIFFE, M. J. and HUSBANDS, P. R. A double blind dietary challenge of food allergic subjects 41A
- BRYDON, W. G. *see* MCLEAN ROSS, A. H. 73A
- BRYDON, W. G. *see* MCKAY, L. F. 74A
- BURGER, I. H., BLAZA, S. E. and KENDALL, P. T. The protein requirement of adult cats 102A
- BUSUTTIL, A. *see* MCLEAN ROSS, A. H. 73A
- BUTTERY, P. J. *see* VERNON, B. G. 13A
- CAMPBELL, I. T. The relationship between habitual energy intake and body-weight on polar stations 28A
- CAMPBELL, R. *see* STROMBERG, P. 27A
- CAMPBELL, R. *see* FELL, G. S. 76A
- CARMICHAEL, M. J., CLAGUE, M. B., KEIR, M. J., WRIGHT, P. D. and JOHNSTON, I. D. A. The effect of supplemental parenteral nutrition on protein synthesis and breakdown in patients with colorectal neoplasia 93A
- CLAGUE, M. B. *see* ROGALY, E. 92A
- CLAGUE, M. B. *see* CARMICHAEL, M. J. 93A
- CLAPPERTON, J. L. *see* SMITH, E. J. 22A
- CLOSE, W. H. *see* BERSCHAUER, F. 32A
- CLOSE, W. H. and BERSCHAUER, F. The influence of the protein:energy value of the ration on the efficiency of energy utilization in the pig 33A

- CLUGSTON, G. A. and GARLICK, P. J. Diurnal pattern of protein turnover in obese subjects given a protein-free diet 96A
- COATES, M. E. *see* MURAMATSU, T. 15A
- COLLIS, K. A. *see* SYMONDS, H. W. 63A
- COMBS, G. F. Assessment of vitamin E status in animals and man 187
- CONNELL, M. A. *see* GERRITSEN, G. C. 237
- CONNING, D. M. New approaches to safety screening 87
- COOKE, G. W. Managing the mineral cycle 295
- COOP, R. *see* POPPI, D. P. 116A
- CORRIGALL, W. *see* POPPI, D. P. 116A
- COULSON, W. F. *see* BENDER, D. A. 20A
- COX, M. D., DALAL, S. S. and HEARD, C. R. C. The importance of free T<sub>3</sub> measurements in assessing thyroid status in protein deficient rats 39A
- COX, E. V. *see* DODSON, P. M. 42A
- CRIST, K., *see* BALDWIN, R. L. 139
- CUMMINGS, J. H. Dietary fibre and large bowel cancer 7
- CUNNANE, S. C. Inhibition of arachidonic acid metabolism in the uteri of zinc deficient parturient rats 78A
- CUNNANE, S. C. Decreased spontaneous uterine contractility at parturition in zinc deficient rats 80A
- CUNNANE, S. C. Zinc deficiency increases placental prostaglandin synthesis from arachidonic acid 114A
- CZERKAWSKI, J. W. *see* MEHRA, U. R. 23A
- DALAL, S. S. *see* COX, M. D. 39A
- DAVIES, A. *see* ROWE, J. B. 49A, 112A
- DAVIES, N. T. *see* MILLS, C. F. 71A
- DEBNAM, E. S. Dietary restriction and the kinetics of glucose absorption across the rat small intestine 37A
- DICKERSON, J. W. T. Nutrition and the patient with cancer 31
- DINGWALL, R. A. *see* FIELD, A. C. 72A
- DODSON, P. M., HUMPHREYS, D. M., PATRICK, O. and COX, E. V. Dietary fibre, sodium and blood pressure 42A
- DRYDEN, P. A. *see* PARRY, W. H. 40A
- DURNIN, J. V. G. A. *see* MCKAY, F. C. 107A
- DURNIN, J. V. G. A. *see* MCKILLOP, F. M. 108A
- DURRANT, M. L. Estimates of energy intake by obese women in reducing diets 53A
- EADIE, J. M. and SHAND, W. J. The effect of Synperonic NP, upon ciliate-free and faunated sheep 113A
- EASTWOOD, M. A. *see* McLEAN ROSS, A. H. 73A
- EASTWOOD, M. A. *see* MCKAY, L. F. 74A
- EATON, P. *see* VIEGAS, D. A. C. 106A
- EDWARDS-WEBB, J. D. *see* ROLLS, B. A. 60A
- ELSTON, M. D. Measurement of body size—an evaluation of indices based on anthropometric observations 55A
- ELSTON, M. D. *see* GRIFFITHS, M. 56A
- ELSTON, M. D. *see* FOX, P. T. 57A
- FAHRBACH, S. E. *see* ROLLS, B. J. 61A
- FAIRWEATHER, F. A. and SWANN, C. A. Food additives and cancer 21
- FELL, G. S., STROMBERG, P., MAIN, A., SPOONER, R., CAMPBELL, R., RUSSELL, R., BROWN, A. and OTTAWAY, J. M. Biochemical signs of human selenium deficiency 76A
- FELL, G. S. *see* GEDEON, G. 91A
- FERN, E. B., GARLICK, P. J., McNURLAN, M. A. and POWELL-TUCK, J. Protein turnover in man measured by the excretion of <sup>15</sup>N in urea and ammonia 88A
- FIELD, A. C., DINGWALL, R. A. and MUNRO, C. S. The effect of frequencies of feeding and magnesium supplementation on the efficiency of absorption of magnesium by sheep 72A
- FIELD, A. C. Some thoughts on dietary requirements of macro-elements for ruminants 267
- FLEWITT, A. P. *see* NAISMITH, D. J. 51A
- FLINT, D. M. *see* PARRY, W. H. 40A
- FORBES, J. M. *see* ADAMS, G. B. 44A
- FOX, P. T. *see* GRIFFITHS, M. 56A
- FOX, P. T., ELSTON, M. D. and GRIFFITHS, M. The relationship between the growth pattern of children in Britain during the first five years of life and the fatness of their parents 57A
- FRANKEL, T. L. *see* RIVERS, J. P. W. 117A
- FULFORD, R. J. *see* OLDHAM, J. D. 30A
- GALLAGHER, P. J. *see* PATHIRANA, C. 46A
- GARLICK, P. J. *see* MURAMATSU, T. 15A
- GARLICK, P. J. *see* FERN, E. B. 88A
- GARLICK, P. J. *see* CLUGSTON, G. A. 96A
- GARNER, R. C. In vitro tests to detect chemical carcinogens 75
- GARROW, J. S. *see* NAIR, K. S. 94A
- GEBOERS, J. *see* JOOSSENS, J. V. 37
- GEDEON, G., SHENKIN, A., FELL, G. S., AL-SHAMMA, G., GOLL, C. and RICHARDS, J. R. Effect of environmental temperature on protein metabolism following burn injury in the rat 91A
- GEISSLER, C. *see* THOMPSON, G. 65A
- GERRITSEN, G. C., CONNELL, M. A. and BLANKS, M. C. Effect of environmental factors including nutrition on genetically determined diabetes of Chinese hamsters 237
- GIBNEY, M. J. *see* BROWN, M. 41A
- GIBNEY, M. J. *see* PATHIRANA, C. 46A
- GILL, J. C. *see* BENZIE, D. 115A
- GILLIES, M. F. *see* BIRKBECK, J. A. 62A
- GLEED, P. T. *see* SANSOM, B. F. 34A, 35A
- GOLL, C. *see* GEDEON, G. 91A
- GOULDING, N. J. *see* PATHIRANA, C. 46A
- GRANT, S. *see* MCKAY, F. C. 107A
- GREGORY, N. G. and LISTER, D. Sympathetic responsiveness in relation to fatness in pigs 11A
- GRENBY, T. H. The replacement of sucrose by xylitol in the diet, and its influence on the level of dental caries in the rat 38A
- GRIFFITHS, M., ELSTON, M. D. and FOX, P. T. Some characteristics of obese British adults and their children 56A
- GRIFFITHS, M. *see* FOX, P. T. 57A

- GRIMBLE, R. F. The effect of dietary protein quantity and quality on rat milk composition 7A
- GRIMBLE, R. F. The effect of dietary protein quantity and quality on hormonal status, serum albumin concentration and milk production of rats 8A
- GRIMBLE, R. F. *see* MAYEL-AFSHAR, S. 36A
- GRIMBLE, R. F. *see* MORGAN, J. B. 109A
- GUEGUEN, L. and PEREZ, J. M. A re-evaluation of recommended dietary allowances of calcium and phosphorus for pigs 273
- GURR, M. I. *see* ROLLS, B. A. 60A
- HADDEN, D. R. and WILSON, E. A. Dietary management of diabetes mellitus 247
- HALL, E. D., SYMONDS, H. W. and MALLINSON, C. B. The maximum capacity of the bovine liver to remove manganese from plasma 48A
- HALLIDAY, D. and READ, W. W. C. Mass spectrometric assay of stable isotopic enrichment for the estimation of protein turnover in man 321
- HALLIDAY, D. *see* NAIR, K. S. 94A
- HEARD, C. R. C. *see* COX, M. D. 39A
- HEWITT, D. *see* MURAMATSU, T. 15A
- HILL, M. J. Dietary fat and human cancer 15
- HOLDSWORTH, M. D. *see* NAISMITH, D. J. 51A
- HUGHES, D. L. *see* SYMONDS, H. W. 47A
- HUMPHREYS, D. M. *see* DODSON, P. M. 42A
- HUMPHRIES, W. R., YOUNG, B. W., PHILLIPPO, M. and BREMNER, I. The effects of iron and molybdenum on copper metabolism in cattle 68A
- HUNT, C. The relationship between body-weight and survival in institutionalized elderly subjects 105A
- HUSBANDS, P. R. *see* BROWN, M. 41A
- IKWUEGBU, O. A. and SUTTON, J. D. The effect of concentration of linseed oil supplementation on digestion and microbial synthesis in the stomach of sheep 111A
- JAMES, S., ROWE, J. B. and BROOME, A. W. J. A method for measuring short-term changes in duodenal outflow rate 104A
- JARRETT, R. J. Atherosclerosis, diabetes and obesity 209
- JENKINS, D. J. A. and WOLEVER, T. M. S. Slow release carbohydrate and the treatment of diabetes 227
- JOHNSON, A. H. *see* PEARCE, J. 10A
- JOHNSTON, I. D. A. *see* ROGALY, E. 92A
- JOHNSTON, I. D. A. *see* CARMICHAEL, M. J. 93A
- JONES, R., NEALE, R. J. and NORTON, G. The digestibility of legumin (11S globulin) isolated from field bean (*V. faba var* Throws M.S.) 2A
- JOOSSENS, J. V. and GEBOERS, J. Nutrition and gastric cancer 37
- KATZ, H. B. *see* SMART, J. L. 64A
- KAY, R. N. B. *see* BENZIE, D. 115A
- KEIR, M. J. *see* ROGALY, E. 92A
- KEIR, M. J. *see* CARMICHAEL, M. J. 93A
- KENDALL, P. T. Comparative evaluation of apparent digestibility in dogs and cats 45A
- KENDALL, P. T. *see* BURGER, I. H. 102A
- KING, J. *see* VIEGAS, D. A. C. 106A
- KIRKWOOD, J. K. Energy and nitrogen exchanges during growth in the kestrel (*Falco tinnunculus*) 6A
- KÖNIG, B. A., PARKER, D. S. and OLDHAM, J. D. The effect of abomasal casein infusion on acetate and palmitate kinetics in cows during early lactation 18A
- KRONFELD, D. S. and RAMBERG, C. F. Whole animal studies using tracer kinetics 129
- LALLOZ, M. *see* NAIR, K. S. 94A
- LAMB, C. S. *see* MAYES, R. W. 9A
- LAYCOCK, K. A. and MILLER, E. L. Nitrogen solubility and protein degradability of commercially and laboratory prepared rapeseed and soya-bean meals 103A
- LEBAIJURI, M. B. *see* WEEKES, T. E. C. 81A
- LINCOLN, D. W. Brain, pituitary gland and nutrition 367
- LISTER, D. *see* GREGORY, N. G. 11A
- LOPEZ, A. *see* TOONG, A. 99A
- LOW, A. G. 31A
- MCALLAN A. B. *see* MERRY, R. J. 14A
- MCKAY, L. F. *see* MCLEAN ROSS, A. H. 73A
- MCKAY, L. F., BRYDON, W. G., EASTWOOD, M. A. and SMITH, J. H. The influence of pentose on breath methane excretion 74A
- MCKAY, F. C., GRANT, S. and DURNIN, J. V. G. A. Height, weight, 'fatness' and body-build of a large sample of British adults 107A
- MCKILLOP, F. M. and DURNIN, J. V. G. A. A comparison of the energy and nutrient intakes of 305 Glasgow infants with current recommendations for the UK 108A
- MCLEAN, A. F. *see* SCOTT, D. 257
- MCLEAN ROSS, A. H., MCKAY, L. F., BUSUTTIL, A., ANDERSON, D., M. W., BRYDON, W. G. and EASTWOOD, M. A. Gum arabic metabolism in the rat colon 73A
- MACLEOD, N. A. *see* REEDS, P. J. 50A
- MCNURLAN, M. A. *see* FERN, E. B. 88A
- MACRAE, J. C. *see* RIBEIRO, J. M. C. R. 12A
- MACRAE, J. C. *see* POPPI, D. P. 116A
- MAGBOUL, B. I. and BENDER, D. A. The effect of dietary lucine excess on nicotinamide nucleotides in the rat 16A
- MAIN, A., *see* FELL, G. S. 76A
- MALLINSON, C. B. *see* SYMONDS, H. W. 47A
- MALLINSON, C. B. *see* HALL, E. D. 48A
- MARSDEN, P. *see* SHARIFF, N. 43A
- MATHER, D. L. *see* SYMONDS, H. W. 47A, 63A
- MAUGHAN, R. J. and WILLIAMS, C. Effects of fasting on substrate utilization during exercise in man 84A
- MAUGHAN, R. J. and WILLIAMS, C. Differential effects of fasting on skeletal muscle glycogen content in man and on skeletal and cardiac muscle glycogen content in the rat 85A
- MAYEL-AFSHAR, S., GRIMBLE, R. F. and TAYLOR, T. G. Tyrosine oxidation during pregnancy in normal and protein deficient rats 36A

- MAYES, R. W., MILNE, J. A., LAMB, C. S. and SPENCE, A. M. Interconversions of the carbon in volatile fatty acids and carbon dioxide in the rumen of sheep 9A
- MEHRA, U. R., CZERKAWSKI, J. W. and BRECKENRIDGE, G. Incubation of hay with rumen micro-organisms; two distinct phases of digestion 23A
- MERRY, R. J., SMITH, R. H. and McALLAN, A. B. Lactosyl urea as an NPN source for ruminants 14A
- MESCHIA, G. *see* BATTAGLIA, C. 99
- MILLER, E. L. *see* LAYCOCK, K. A. 103A
- MILLS, C. F., DAVIES, N. T., WILSON, H. G. and BREMNER, I. Influence of dietary sulphide on the response of rats to ammonium tetrathiomolybdate 71A
- MILNE, J. A. *see* MAYES, R. W. 9A
- MILLWARD, D. J. *see* BATES, P. C. 89A
- MILLWARD, D. J. *see* BROWN, J. G. 95A
- MOHAMMADIHA, H. *see* BENDER, A. E. 66A
- MONGIN, P. Recent advances in dietary anion-cation: applications in poultry 285
- MOORE, F. D. *see* SIM, A. J. W. 90A
- MORGAN, J. B., GRIMBLE, R. F., WHITAKER, S. and ROLLES, C. Nitrogen and energy balance studies on pre-term infants 109A
- MORRISON, E. *see* QUARTERMAN, J. 25A
- MORRISON, I. M. *see* BRICE, R. E. 24A, 75A
- MUNRO, C. S. *see* FIELD, A. C. 72A
- MURAMATSU, T., COATES, M. E., HEWITT, D., SALTER, D. N. and GARLICK, P. J. The effects of the gut microflora on protein synthesis in chick liver and jejunum 15A
- NAIR, K. S., HALLIDAY, D., LALLOZ, M. and GARROW, J. S. Rate of protein turnover in obese women on energy restriction and its relationship to extrathyroidal T<sub>4</sub> metabolism 94A
- NAISMITH, D. J., HOLDSWORTH, M. D., BAILEY, J. L. and FLEWITT, A. P. Carbohydrate conservation in the obese: a theory to explain the ease of weight gain 51A
- NAPPER, D. J. *see* OLDHAM, J. D. 30A
- NEALE, R. J. *see* JONES, R. 2A
- NORTON, B. W. *see* ROOKE, J. A. 83A
- NORTON, G. *see* JONES, R. 2A
- OLDHAM, J. D. *see* KÖNIG, B. A. 18A
- OLDHAM, J. D., FULFORD, R. J. and NAPPER, D. J. Source and level supplemental N for cows early in lactation 30A
- ØRSKOV, E. R. *see* REEDS, P. J. 50A
- OTTAWAY, J. M. *see* FELL, G. S. 76A
- PAPADAKI, L. *see* BENDER, D. A. 20A
- PARKER, D. S. *see* WOODNUTT, G. 17A
- PARKER, D. S. *see* KÖNIG, B. A. 18A
- PARRY, W. H., FLINT, D. M., WAHLQVIST, M. L., DRYDEN, P. A., PRINSLEY, D. M. and ALMUKHTAR, F. The effect of zinc supplementation in aged persons on serum albumin and binding capacity 40A
- PATHIRANA, C., GOULDING, N. J., GIBNEY, M. J., GALLAGHER, P. J., PITTS, J. and TAYLOR, T. G. The effect of maternal protein source on the induction of immune tolerance to dietary protein in weanling rabbits 46A
- PATRICK, O. *see* DODSON, P. M. 42A
- PEARCE, J. and JOHNSON, A. H. The effects of feed restriction on hepatic enzyme activities in the immature pullet 10A
- PEREZ, J. M. *see* GUEGUEN, L. 273
- PERRY, B. N. *see* TOONG, A. 99A
- PHILLIPPO, M., PRICE, J. and ARTHUR, J. R. Relation between blood glutathione peroxidase activity and the response to injected selenium in cattle 26A
- PHILLIPPO, M. *see* HUMPHRIES, W. R. 68A
- PHILIP, J. McL. Evaluation of the safety of foods 47
- PITT, G. A. J. The assessment of vitamin A status 173
- PITTS, J. *see* PATHIRANA, C. 46A
- POLAK, J. M. and BLOOM, S. R. Central and peripheral regulatory peptides 363
- POPPI, D. P., MACRAE, J. C., CORRIGALL, W. and COOP, R. L. Nitrogen digestion in sheep infected with intestinal parasites 116A
- POWELL-TUCK, J. *see* FERN, E. B. 88A
- PRICE, J. *see* PHILLIPPO, M. 26A
- PRINSLEY, D. M. *see* PARRY, W. H. 40A
- PUGH, M. *see* BENDER, D. A. 20A
- QUARTERMAN, J. and MORRISON, E. Milk and heavy metal absorption 25A
- QUARTERMAN, J. Variable changes in heavy metal absorption after milk feeding 77A
- RADCLIFFE, M. J. *see* BROWN, M. 41A
- RAMBERG, C. F. *see* KRONFELD, D. S. 129
- READ, W. W. C. *see* HALLIDAY, E. 321
- REEDS, P. J., ØRSKOV, E. R. and MACLEOD, N. A. Whole body protein synthesis in cattle sustained by infusion of volatile fatty acids and casein 50A
- RIBEIRO, J. M. C. R., MACRAE, J. C. and WEBSTER, A. J. F. An attempt to explain differences in the nutritive value of spring and autumn harvested dried grass 12A
- RICHARDS, J. R. *see* GEDEON, G. 91A
- RIVERS, J. P. W. and FRANKEL, T. L. The production of 5,8,11 eicosatrienoic acid, (20:3ω9) in the EFA deficient cat 117A
- ROE, F. J. C. Are nutritionists worried about the edpidemic of tumours in laboratory animals? 57
- ROGALY, E., CLAGUE, M. B., KEIR, M. J., WRIGHT, P. D. and JOHNSTON, I. D. A. The effect of different energy sources in parenteral nutrition on protein metabolism postoperatively 92A
- ROLLES, C. *see* MORGAN, J. B. 109A
- ROLLS, B. A., EDWARDS-WEBB, J. D., GURR, M. I., ROLLS, B. J. and ROWE, E. A. The influence of dietary obesity on milk composition in the rat 60A
- ROLLS, B. J. *see* ROLLS, B. A. 60A

- ROLLS, B. J., ROWE, E. A. and FAHRBACH, S. E. Effects of obesity on maintenance of body-weight in the lactating rat 61A
- ROLLS, E. T. The neurophysiology of feeding 361
- ROOKE, J. A., SEYMOUR, S. J. and ARMSTRONG, D. G. The effect upon the nutritional value of soya-bean meal of incubation in the bovine rumen 82A
- ROOKE, J. A., NORTON, B. W. and ARMSTRONG, D. G. Digestion of formaldehyde treated soya-bean meal in the bovine rumen 83A
- ROTHWELL, N. J., STOCK, M. J. and WARWICK, B. P. Investigation into the role of insulin in diet-induced thermogenesis in the rat 5A
- ROTHWELL, N. J. *see* BROOKS, S. L. 58A
- ROWE, E. A. *see* ROLLS, B. A. 60A
- ROWE, E. A. *see* ROLLS, B. J. 61A
- ROWE, J. B., DAVIES, A. and BROOME, A. W. J. Quantitative effects of defaunation on rumen fermentation and digestion in the sheep 49A
- ROWE, J. B. *see* JAMES, S. 104A
- ROWE, J. B., DAVIES, A. and BROOME, A. W. J. Isotope effect in measuring rumen propionate production in the presence of monensin 112A
- ROWLAND, I. The influence of the gut microflora on food toxicity 67
- RUSSELL, R. *see* FELL, G. S. 76A
- SALTER, D. N. *see* BLAKE, J. S. 4A
- SALTER, D. N. *see* MURAMATSU, T. 15A
- SALTER, D. N. Emission spectrometric analysis of <sup>15</sup>N 335
- SANSOM, B. F. and GLEED, P. T. The ingestion of sows' faeces by piglets 34A
- SANSOM, B. F. and GLEED, P. T. Prevention of piglet anaemia by feeding sows during lactation with diets enriched with iron 35A
- SAVILLE, M. E. and STOCK, M. J. Effect of  $\beta$ -adrenergic blockade on thyroid hormone metabolism and resting oxygen consumption in fasted and refed rats 59A
- SCHOFIELD, J. G. The effect of neuroactive peptides on growth hormone release 365
- SCHORAH, C. J. The level of vitamin C reserves required in man: towards a solution to the controversy 147
- SCOTT, D. and MCLEAN, A. F. Control of mineral absorption in ruminants 257
- SCOTT, P. H. *see* VIEGAS, D. A. C. 106A
- SEYMOUR, S. J. *see* ROOKE, J. A. 82A
- SHAND, W. J. *see* EADIE, J. M. 113A
- SHARIEF, N. and MARSDEN, P. Effects, on serum tri-iodothyronine and reverse tri-iodothyronine concentrations, of an acute intake of sucrose or glucose in man 43A
- SHENKIN, A. *see* STROMBERG, P. 27A
- SHENKIN, A. *see* GEDEON, G. 91A
- SHORTEN, M. *see* WOOTTON, S. A. 3A
- SIM, A. J. W. *see* STROMBERG, P. 27A
- SIM, A. J. W., SUGDEN, B., YOUNG, V. R. and MOORE, F. D. Nitrogen turnover measurement by <sup>15</sup>N glycine priming prior to continuous infusion in healthy man 90A
- SIMPSON, J. C. R. High-carbohydrate, high-fibre diets for diabetics 219
- SMART, J. L., KATZ, H. B. and STEPHENS, D. N. Growth and development of artificially reared well-fed and underfed rats 64A
- SMITH, E. J. and CLAPPERTON, J. L. The voluntary food intake of sheep when silage juice is infused into the rumen 22A
- SMITH, J. H. *see* MCKAY, L. F. 74A
- SMITH, N. E. *see* BALDWIN, R. L. 139
- SMITH, R. H. *see* BLAKE, J. S. 4A
- SMITH, R. H. *see* MERRY, R. J. 14A
- SPENCE, A. M. *see* MAYES, R. W. 9A
- SPOONER, R. J. *see* STROMBERG, P. 27A
- SPOONER, R. J. *see* FELL, G. S. 76A
- STANBURY, S. W. Vitamin D: metamorphosis from nutrient to hormonal system 179
- STEPHENS, D. B. *see* BERSCHAUER, F. 32A
- STEPHENS, D. N. Weight gain of young rats fed on a cafeteria diet following excision of interscapular brown adipose tissue 54A
- STEPHENS, D. N. *see* SMART, J. L. 64A
- STOCK, M. J. *see* ROTHWELL, N. J. 5A
- STOCK, M. J. *see* BROOKS, S. L. 58A
- STOCK, M. J. *see* SAVILLE, M. E. 59A
- STROMBERG, P., SHENKIN, A., CAMPBELL, R., SPOONER, R. J. and SIM, A. J. W. Assessment of vitamin status during total parenteral nutrition in surgical patients 27A
- STROMBERG, P. *see* FELL, G. S. 76A
- SUGDEN, B. *see* SIM, A. J. W. 90A
- SUTTLE, N. F. and VALENTE, E. Species differences in the retention of orally administered cupric oxide 'needles' in the alimentary tract 70A
- SUTTON, J. D. *see* IKWUEGBU, O. A. 111A
- SWANN, C. A. *see* FAIRWEATHER, F. A. 21
- SYMONDS, H. W., MALLINSON, C. B., MATHER, D. L. and HUGHES, D. L. Excretion of iron in the bile of calves infected with *Fasciola hepatica* 47A
- SYMONDS, H. W. *see* HALL, E. D. 48A
- SYMONDS, H. W., MATHER, D. L. and COLLIS, K. A. The maximum capacity of the bovine liver to metabolize ammonia 63A
- TAYLOR, T. G. *see* MAYEL-AFSHAR, S. 36A
- TAYLOR, T. G. *see* PATHIRANA, C. 46A
- THOMPSON, G. and GEISSLER, C. Urinary fluoride in the Bedfordshire brickworks area 65A
- THURNHAM, D. I. Red cell enzyme tests of vitamin status: do marginal deficiencies have any physiological significance? 155
- THURNHAM, D. I. *see* ADELEKAN, D. A. 101A
- TOONG, A., PERRY, B. N., LOPEZ, A. and VENTANAS, J. Sex and trenbolone acetate (TBA) anabolic activity 99A
- VALENTE, E. *see* SUTTLE, N. F. 70A
- VENTANAS, J. *see* TOONG, A. 99A
- VERNON, B. G. and BUTTERY, P. J. The effect of the growth promoter trenbolone acetate, dexamethasone and thyroxine on skeletal muscle cathepsin D (EC 3.4.4.23) activity 13A

- VIEGAS, D. A. C., EATON, P., KING, J., SCOTT, P. H., WHARTON, P. and WHARTON, B. A. The effects of dietary protein-energy supplementation in pregnant Asian mothers in Birmingham 106A
- WAGHORN, G. *see* BALDWIN, R. L. 139
- WAHLE, K. W. *see* WEEKES, T. E. C. 81A
- WAHLQVIST, M. L. *see* PARRY, W. H. 40A
- WARREN, M. A. and BEDI, K. S. Growth in body, skeleton and brain of rats undernourished from birth till 100 d of age 86A
- WARWICK, B. P. *see* ROTHWELL, N. J. 5A
- WATERLOW, J. C. Crisis for nutrition 195
- WATERLOW, J. C. <sup>15</sup>N end-product methods for the study of whole-body protein turnover 317
- WEBSTER, A. J. F. *see* RIBEIRO, J. M. C. R. 12A
- WEBSTER, A. J. F. The energetic efficiency of metabolism 121
- WEEKES, T. E. C., WAHLE, K. W. and LEBAIJURI, M. B. Dietary sunflowerseed oil, insulin secretion and  $\Delta 9$ -desaturase activity in obese and lean Zucker rats 81A
- WHARTON, B. A. *see* VIEGAS, D. A. C. 106A
- WHARTON, P. *see* VIEGAS, D. A. C. 106A
- WHITAKER, S. *see* MORGAN, J. B. 109A
- WHITEHEAD, C. C. The assessment of biotin status in man and animals 165
- WILLIAMS, C. *see* WOOTON, S. A. 3A
- WILLIAMS, C. *see* MAUGHAN, R. J. 84A, 85A
- WILLIAMSON, D. H. Mechanisms for the regulation of ketogenesis 93
- WILSON, E. A. *see* HADDEN, D. R. 247
- WILSON, H. G. *see* MILLS, C. F. 71A
- WOLEVER, T. M. S. *see* JENKINS, D. J. A. 227
- WOODNUTT, G. and PARKER, D. S. Absorption of acetate and butyrate from the caecum of the rabbit 17A
- WOOTON, S. A., SHORTEN, M. and WILLIAMS, C. Manipulation of dietary carbohydrate in a carbohydrate-loading regime 3A
- WRIGHT, P. D. *see* ROGALY, E. 92A
- WRIGHT, P. D. *see* CARMICHAEL, M. J. 93A
- WYNICK, D. and BENDER, D. A. The effect of oestrone sulphate on the activity of kynureninase in vitro 21A
- YOUNG, B. W. *see* HUMPHRIES, W. R. 68A
- YOUNG, B. W. *see* BREMNER, I. 69A
- YOUNG, V. R. and BIER, D. M. Protein metabolism and nutritional state in man 343
- YOUNG, V. R. *see* SIM, A. J. W. 90A
- ZEBROWSKA, H. *see* ZEBROWSKA, T. 31A
- ZEBROWSKA, T. and ZEBROWSKA, H. The role of the stomach in the digestion of protein and carbohydrate in growing pigs 31A