

## 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.*

- AHERNE, F. X. *see* KIRKWOOD, R. N. 177-192  
 AITCHISON, E. M., McDONALD, C. L., CASSON, P. & ROWE, J. B. Feed antibiotics and buffers to control rumen lactic acid: 2. pre-dosing 41A  
 AITCHISON, E. M., RALPH, I. G. & ROWE, J. B. Evaluation of avoparcin, flavomycin and lasalocid for wool production 42A  
 AITCHISON, E. M. *see* ROWE, J. B. 40A  
 ANDERSON, A. S., LEAN, M. E. J. & COUBROUGH, H. Towards NACNE: practical nutrition education in a high-risk area 144A  
 ANDERSON, J. H. *see* QUARTERMAN, J. 52A  
 ANDERSON, JULIE E. M. *see* MACLEOD, M. G. 148A  
 ANDERSON, JULIE *see* GERAERT, P. A. 34A  
 ANIL, M. H. & FORBES, J. M. Neural control and neurosensory functions of the liver 125-133  
 ANIL, M. H., MBANYA, J. N., SYMONDS, H. W. & FORBES, J. M. Dose-related effects on hay intake of acetate infused into the rumen of lactating cows 29A  
 ARMSTRONG, D. G. *see* PARKER, D. S. 415-421  
 ASHWELL, MARGARET *see* TRAYHURN, P. 135-142  
 ATKINSON, C. *see* SHEPHERD, R. 23A  
 AULD, W. H. R. *see* BARCLAY, M. N. I. 55A
- BADALOO, V., EDMOND, A., VENUGOPAL, S., SERJEANT, G. & JACKSON, A. A. The effect of splenectomy on whole body protein turnover in homozygous sickle cell disease 137A  
 BADALOO, V. *see* KENNEDY, N. 85A  
 BANKS, W. *see* CLAPPERTON, J. L. 43A  
 BARCLAY, M. N. I., MACPHERSON, A., TAYLOR, C. & AULD, W. H. R. Selenium concentration and glutathione peroxidase activity in human blood from patients with coronary heart disease 55A  
 BARKER, D. J. P. *see* CADE, JANET 99A  
 BARKER, D. J. P. *see* CADE, JANET 126A  
 BARKER HAIDEE, D. *see* JAMES, S. 108A  
 BARTH, C. A., SCHOLTISSEK, JOHANNE, FRIGG, M. & HAGEMEISTER, H. Biotin supply by large bowel bacteria: evidence from intracaeal avidin 111A  
 BARTH, C. A. *see* HAGEMEISTER, H. 110A  
 BASU, SUBIR *see* GHOSHAL, DEBASIS 107A  
 BATES, P. C. & HOLDER, A. T. The anabolic effects of growth hormone and thyroxine on tissue growth in Snell dwarf mice 35A  
 BATES, P. C. *see* TIRAPEGUI, J. 94A  
 BATT, R. M. *see* HAYWOOD, S. 72A  
 BEEVER, D. E., GILL, E. M., EVANS, R. T., GALE, D. L. & WILTON, J. C. The effect of fishmeal supplementation of grass silage on nitrogen metabolism in growing cattle 38A  
 BEEVER, D. E. *see* DAWSON, J. M. 37A  
 BEEVERS, D. GARETH *see* MAHESWARAN, RAVI 134A  
 BEEVERS, M. *see* DODSON, P. M. 22A  
 BENDER, A. E. *see* SANDARADURA, SANOJA 97A
- BENDER, DAVID A., CLIFFORD, ELIZABETH, MCCREANOR, GWYN M. & SMITH, ANTHONY D. The metabolism of a high intake of nicotinamide in choline-deficient rats 74A  
 BENDER, DAVID A. *see* LAVIS, GRAHAME J. 59A  
 BERROW, MICHAEL L. Cobalt, copper and molybdenum in Scottish soils 64A  
 BETTERIDGE, JOHN Nutrition and platelet function in atherogenesis 345-359  
 BLAKE, L. A. *see* PELL, J. M. 48A  
 BOLTON-SMITH, CAROLINE & GIBNEY, M. J. The effect of a dietary supplement of marine oil in healthy volunteers on platelet lipids, platelet function and platelet plasma membrane fluidity 12A  
 BOLTON-SMITH, CAROLINE, GIBNEY, M. J., GALLAGHER, P. J. & HILLIER, K. The effect of dietary fish oil on immune-complex-induced atherosclerosis in rabbits 13A  
 BOURNE, F. J. *see* RATCLIFFE, B. 101A  
 BRADY, CAITRIONA & GIBNEY, MICHAEL J. Detection of secretory IgA antibodies to common food protein in stimulated human parotid saliva 86A  
 BREBNER, JOCELYN, SUTTLE, N. F. & THORNTON, I. Assessing the availability of ingested soil cobalt for the synthesis of vitamin B<sub>12</sub> in the ovine rumen 66A  
 BREMNER, I., MORRISON, J. N. & WOOD, ANNE M. Metallothionein levels in blood cells and urine of zinc-deficient and endotoxin-treated rats 57A  
 BREMNER, I. *see* MORRISON, J. N. 56A  
 BROADBENT, P. J. *see* KHAN, M. A. S. 30A  
 BROADHURST, A. J. *see* STOCKLEY, L. 7A  
 BROOKS, S. *see* WILLIAMS, C. 138A  
 BROWN, G., HUNT, V., WAN, J. & GRIMBLE, R. F. The differing responses of zinc and protein metabolism in *Escherichia coli* endotoxin in rats fed on diets containing maize, coconut and fish oils 36A  
 BRUCE, C. I. *see* DAWSON, J. M. 37A  
 BRUNT, P. W. *see* LOWELL, JANET P. 120A  
 BUNKER, VALDA W. *see* LAWSON, MARGARET S. 53A  
 BURSZTYN, PETER G. & GILLBE, ZOE The effects of alcohol on blood pressure in rabbits 141A  
 BUTLAND, BARBARA *see* FEHILY, ANN M. 8A  
 BUTTERY, P. J. *see* DAWSON, J. M. 37A  
 BUTTERY, P. J. *see* HARPER, JANE M. M. 46A  
 BUTTERY, P. J. *see* YHOKHA, A. 39A  
 BUTTLE, H. L. *see* PELL, J. M. 48A
- CADE, JANET, BARKER, D. J. P., MARGETTS, BARRIE & MORRIS, JULIE The three-town diet study: food intake 126A  
 CADE, JANET, BARKER, D. J. P., MORRIS, JULIE & MARGETTS, BARRIE Nutritent intakes in three English towns 99A

- CARE, A. D. Placental transfer of calcium to the ovine fetus and its regulation 321-329
- CARR, K. *see* RICHARDSON, R. A. 76A
- CARSON, M. T., UNSWORTH, E. F. & PEARCE, J. Effects of rumen butyrate infusion on blood ethylmalonic acid concentration in sheep 112A
- CARSWELL, N. *see* DEBOLT, S. P. 20A
- CARVILLE, D. G. M. & STRAIN, J. J. The effect of copper deficiency on oxygen free radical defence mechanisms in rats fed on saturated or polyunsaturated fat 152A
- CARVILLE, D. G. M. *see* LYNCH, S. M. 60A
- CASSON, P. *see* AITCHISON, E. M. 41A
- CHACKO, A. & CUMMINGS, J. H. Nitrogen losses from the human small bowel: obligatory losses and the effect of diet 73A
- CHAMBERLAIN, D. G. *see* NEWBOLD, C. J. 49A
- CHAN, HENRY W.-S. Oxygen free radicals in food 35-41
- CHEESEMAN, K. H. *see* SLATER, T. F. 1-12
- CHENG, K. N., PACY, P. J., DWORZAK, F., FORD, G. C., HUNTER, S. & HALLIDAY, D. Regulation of muscle protein metabolism in man as measured by the forearm model 3A
- CHOO, J. J. & EMERY, P. W. Effect of an anabolic steroid (Durabolin) on body composition of rats treated with insulin 96A
- CHOUHDHRY, M., KAUR, K. & CHOUHDHRY, S. Activity pattern of rural women from Rajasthan, India 145A
- CHOUHDHRY, S. *see* CHOUHDHRY, M. 145A
- CLAGUE, M. B., WRIGHT, P. D., DALE, G., MCKENZIE, P., HOPELY, P. & EARNSHAW, M. Comparison of Novomine, a locally manufactured amino acid solution, with commercially available solutions, in a District General Hospital 75A
- CLAPPERTON, J. L., STEEL, W. & BANKS, W. The effect of Actaplanin on the composition of cow's milk 43A
- CLARK, ANNE *see* MATTHEWS, DAVID R. 89-95
- CLARK, C. G. *see* HARRISON, R. A. 121A
- CLARKSON, J. P., ELMES, M. E. & JASANI, B. Copper retention in the human liver: a histochemical and immunocytochemical study 71A
- CLAY, E. J. European food aid as a tool for relief and development in Sub-Saharan Africa 281-300
- CLAYTON, BARBARA E. *see* LAWSON, MARGARET S. 53A
- CLIFFORD, ELIZABETH *see* BENDER, DAVID A. 74A
- COATES, M. E. *see* ROWLAND, I. R. 127A
- COLE, T. J. *see* PRENTICE, A. M. 125A
- COLLINS, K. *see* XIMENES, R. 16A
- COSSACK, ZAFRALLAH T. & VAN DEN HAMER, CORNELIS J. A. Effect of endogenous status of zinc on copper absorption and its application to the treatment of Wilson's disease 70A
- COUBROUGH, H. *see* ANDERSON, A. S. 144A
- COX, M. *see* XIMENES, R. 16A
- CRANWELL, P. D., FOLTMANN, B., NEWPORT, M. J. & HOWARTH, G. L. Basal and pentagastrin-induced gastric acid and milk-clotting enzyme secretion in pigs from birth to 4 weeks of age 25A
- CRANWELL, P. D. *see* FOLTMANN, B. 26A
- CROMPTON, L. A. & LOMAX, M. A. Effect of undernourishment and subsequent refeeding on hind-limb muscle protein metabolism in growing lambs 44A
- CROMPTON, L. A. & LOMAX, M. A. The relation between hind-limb muscle protein metabolism and growth hormone, insulin, thyroxine and cortisol in growing lambs 45A
- CUMMING, D. C. *see* KIRKWOOD, R. N. 177-192
- CUMMINGS, J. H. *see* CHACKO, A. 73A
- CUTLER, P. Early warning of famine: a red herring? 263-266
- DALAL, S. D. *see* TIRAPEGUI, J. 94A
- DALE, G. *see* CLAGUE, M. B. 75A
- DAVIES, H. L. *see* GOLDBERG, G. R. 118A
- DAVIES, M. J. *see* SLATER, T. F. 1-12
- DAWSON, F. *see* RICHARDSON, R. A. 76A
- DAWSON, J. M., BRUCE, C. I., LAMMIAN, M. J., BUTTERY, P. J., GILL, E. M. & BEEVER, D. E. The use of [<sup>3</sup>H]leucine as a marker for microbial protein synthesized in the rumen 37A
- DEBOLT, S. P., CARSWELL, N., MICHAELIS, IV O. E. & TULP, O. L. Long-term effects of fructose consumption on adipose tissue cellularity and glycaemic status in non-insulin dependent diabetic rats 20A
- DIANZANI, M. U. The role of free radicals in liver damage 43-52
- DIXON, A. K. *see* LEAN, M. E. J. 19A
- D'MELLO, J. P. F. *see* HARRISON, LYDIA 58A
- DOCKRAY, G. J. Peptides of the gut and brain: the cholecystokinins 119-124
- DODSON, P. M. & HORTON, R. C. The nature of atheroma 331-336
- DODSON, P. M., BEEVERS, M., HALLWORTH, R., WEBBERLEY, M. J., FLETCHER, R. F. & TAYLOR, K. G. Sodium and blood pressure in the hypertensive type II diabetic: randomized blind, controlled and crossover studies of moderate Na restriction and Na supplementation 22A
- DOUGLAS, J. *see* KEMM, J. R. 100A
- DU BRUYN, D. B. *see* SLY, M. R. 78A
- DUGGAN, M. B. Fetal growth in low birth weight Nigerian babies 15A
- DUNCAN, RODERICK Energy balance in dog sledgers and skidoo drivers in Antarctica: a comparison 147A
- DUNCAN, RODERICK Energy intake, expenditure and balance of the transglobe expedition Antarctic crossing party 146A
- DWORZAK, F. *see* CHENG, K. N. 3A
- DZUMBIRA, T. *see* GEISSLER, C. 81A
- EARNSHAW, M. *see* CLAGUE, M. B. 75A
- EDWARDS-WEBB, J. D. *see* JADIDI, N. 10A
- ELMES, M. E. *see* CLARKSON, J. P. 71A
- EMERY, P. W. *see* CHOO, J. J. 96A
- EMERY, P. W. *see* WOODWARD, C. J. H. 95A
- EMOND, A. *see* BADALOO, V. 137A

- ENGKU AZAHAN, E. A. & FORBES, J. M. Food intake and carcass composition of chickens given glucose in the drinking water 32A
- EVANS, A. E. *see* McMMASTER, DOROTHY 61A
- EVANS, R. T. *see* BEEVER, D. E. 38A
- FARLEIGH, C. A. *see* SHEPHERD, R. 23A
- FEHILY, ANN M., YARNELL, J. W. G. & BUTLAND, BARBARA Diet and ischaemic heart disease in the community: the Caerphilly study 8A
- FLETCHER, R. F. *see* DODSON, P. M. 22A
- FLINT, D. J. *see* METCALF, J. A. 47A
- FOLTMANN, B., CRANWELL, P. D., NEWPORT, M. J. & HOWARTH, G. L. Ontogeny of pig gastric proteases; observations on fetal, stillborn, unsuckled newborn, suckled and growing pigs 26A
- FOLTMANN, B. *see* CRANWELL, P. D. 25A
- FOORD, F. *see* PRENTICE, A. M. 125A
- FORBES, J. M. *see* ANIL, M. H. 29A
- FORBES, J. M. *see* ANIL, M. H. 125–133
- FORBES, J. M. *see* ENGKU AZAHAN, E. A. 32A
- FORBES, J. M. *see* RUSBY, A. A. 33A
- FORBES, J. M. Voluntary food intake and reproduction 193–201
- FORD, G. C. *see* CHENG, K. N. 3A
- FORRESTER, T. *see* PERSAUD, C. 136A
- FRIGG, M. *see* BARTH, C. A. 111A
- GAHAN, P. B. *see* SANDARADURA, SANOJA 97A
- GALE, D. L. *see* BEEVER, D. E. 38A
- GALLAGHER, P. J. *see* BOLTON-SMITH, CAROLINE 13A
- GALTON, DAVID J. The genetics of atherosclerosis 337–343
- GARDEN, O. J. *see* RICHARDSON, R. A. 76A
- GARDEN, O. J. *see* RICHARDSON, R. A. 77A
- GARDEN, O. J. *see* WEIR, A. M. 122A
- GARROW, J. S. *see* PACY, P. J. 4A
- GEISSLER, C., DZUMBIRA, T. & NOOR I. Energy expenditure: evaluation of a factorial field technique against continuous calorimetry 81A
- GEISSLER, C., MILLER, D. & SHAH, M. Lower daily metabolic rates in post-obese than in lean subjects 82A
- GERAERT, P. A., MACLEOD, M. G., JEWITT, T. R. & ANDERSON, JULIE Energy and nitrogen metabolism in genetically fat and lean chickens 34A
- GHOSHAL, DEBASIS, ROY, SAMIR & BASU, SUBIR Studies on a bone-marrow-derived bioimmunomodulator in improving immune response in immunosuppressed, water-soluble-vitamin-deficient mice 107A
- GIBNEY, M. J., MALONEY, MARY & SHELLY, EMER The Kilkenny Health Project: patterns of food intake in individuals consuming low-, moderate- and high-fat diets 14A
- GIBNEY, M. J. *see* BOLTON-SMITH, CAROLINE 12A
- GIBNEY, M. J. *see* BOLTON-SMITH, CAROLINE 13A
- GIBNEY, MICHAEL J. *see* BRADY, CAITRIONA 86A
- GILL, E. M. *see* BEEVER, D. E. 38A
- GILL, JASWINDER, S. *see* MAHESWARAN, RAVI 134A
- GILLBE, ZOE *see* BURSZTYN, PETER G. 141A
- GLEESON, M. & MAUGHAN, R. J. Acute effect of exercise on ascorbate content of plasma lymphocytes 89A
- GOLDBERG, G. R., DAVIES, H. L., MURGATROYD, P. R. & PRENTICE, A. M. Overnight metabolic rate in men and women 118A
- GOLDEN, M. H. N. & RAMDATH, D. Free radicals in the pathogenesis of kwashiorkor 53–68
- GOODLAD, J. S. & MATHERS, J. C. Digesta flow from the ileum and transit time through the caecum of rats given diets containing graded levels of peas 149A
- GREENHALGH, R. M. *see* SIAN, M. S. 80A
- GRIMBLE, R. F. & HOLDEN, DENISE Responses of lean and obese Zucker rats to two types of *Escherichia coli* endotoxin 140A
- GRIMBLE, R. F. *see* BROWN, G. 36A
- GURR, M. I. *see* JADIDI, N. 10A
- Gwynne, J. *see* TURTON, J. 2A
- HAGEMEISTER, H., SCHMITZ, M., SCHOPPE, INA & BARTH, C. A. Absorption of oral bovine lactoferrin in the neonatal and adult pig 110A
- HAGEMEISTER, H. *see* BARTH, C. A. 111A
- HALLIDAY, D. *see* PONTING, G. A. 123A
- HALLIWELL, BARRY Free radicals and metal ions in health and disease 13–26
- HALLWORTH, R. *see* DODSON, P. M. 22A
- HARDMAN, A. E. & WILLIAMS, C. Increased dietary carbohydrate and endurance during single-leg cycling 143A
- HARPER, JANE M. M. & BUTTERY, P. J. Effects of recombinant-DNA-derived growth factors on cultured sheep muscle cells 46A
- HARRISON, LYDIA & D'MELLO, J. P. F. Zinc deficiency, amino acid imbalance and brain catecholamine concentrations in the chick 58A
- HARRISON, R. A., POPE, S., CLARK, C. G. & TOMKINS, A. M. Evaluation of gastroplasty in the management of severe obesity 121A
- HART, I. C. Biotechnology and production-related hormones 393–405
- HAYWOOD, S., BATT, R. M. & LOUGHREN, M. Intracellular events in the liver and kidney of copper-loaded rats in relation to Cu-storage disease in man and animals 72A
- HENERY, E. C., SMITH, R. G. & STAFFORD, W. Dietary intake of zinc and copper in long-stay geriatric patients 63A
- HENERY, ENID C. *see* STAFFORD, WINIFRED 62A
- HESPELL, ROBERT B. Biotechnology and modifications of the rumen microbial ecosystem 407–413
- HICKS, R. M. *see* PEDRICK, M. 106A
- HICKS, R. M. *see* TURTON, J. 2A
- HILL, SARAH *see* LEVIN, R. J. 109A
- HILLIER, K. *see* BOLTON-SMITH, CAROLINE 13A

- HINDS, ALISON & JUDD, PATRICIA A. The composition of macrobiotic diets 17A
- HINDS, ALISON & SANDERS, T. A. B. Effect of increasing levels of dietary eicosapentaenoic ( $20:5n-3$ ) and docosahexaenoic ( $22:6n-3$ ) acids and lymphocyte phospholipid composition and cell-mediated immunity in the mouse 87A
- HOCKING, P. M. Nutritional interactions with reproduction in birds 217-225
- HOLDEN, DENISE *see* GRIMBLE, R. F. 140A
- HOLDER, A. T. *see* BATES, P. C. 35A
- HOPLEY, P. *see* CLAGUE, M. B. 75A
- HORTON, R. C. *see* DODSON, P. M. 331-336
- HOWARTH, G. L. *see* CRANWELL, P. D. 25A
- HOWARTH, G. L. *see* FOLTMANN, B. 26A
- HUNT, V. *see* BROWN, G. 36A
- HUNTER, S. *see* CHENG, K. N. 3A
- HUNTER, S. *see* PACY, P. J. 4A
- HURREN, C. A. & STOCKLEY, L. The percentage contribution of foods to the nutrient composition of diets of schoolchildren and adults 6A
- ISAACS, G. *see* PACY, P. J. 4A
- JACKSON, A. A. *see* BADALOO, V. 137A
- JACKSON, A. A. *see* PERSAUD, C. 136A
- JACKSON, A. *see* KENNEDY, N. 85A
- JACKSON, J. *see* WILLIAMS, C. 138A
- JACKSON, M. J. Muscle damage during exercise: possible role of free radicals and protective effect of vitamin E 77-80
- JADIDI, N., EDWARDS-WEBB, J. D., OWEN, R. W. & GURR, M. I. Effect of dietary saturated and polyunsaturated fats on faecal excretion of cholesterol and its catabolites in rabbits 10A
- JAMES, S. & BARKER HAIDEE, D. Effect of clenbuterol on the growth and carcass composition of hypophysectomized rats in the presence or absence of growth hormone 108A
- JASANI, B. *see* CLARKSON, J. P. 71A
- JEPSON, M. M. & MILLWARD, D. J. Influence of protein deficiency on the metabolic response to endotoxin in young rats 93A
- JEWITT, T. R. *see* GERAERT, P. A. 34A
- JEWITT, T. R. *see* MACLEOD, M. G. 148A
- JOHNSON, I. D. *see* PELL, J. M. 48A
- JONES, D. G. *see* SUTTLE, N. F. 68A
- JORDAN, K., SHORTT, H. S. & MATHIAS, P. M. Adaptation of a rapid, single test-tube, fluorometric method for the estimation of selenium in foods and food products 116A
- JUDD, PATRICIA A. *see* HINDS, ALISON 17A
- KAPLAN, NORMAN M. Non-pharmacological treatment of hypertension 373-377
- KAUR, K. *see* CHOUDHRY, M. 145A
- KE, Y. & SYMONDS, H. W. The effect of molybdate compounds on the biliary excretion of copper by sheep 69A
- KEEFE, S. *see* TURTON, J. 2A
- KEMM, J. R., DOUGLAS, J. & SYLVESTER, V. Eating patterns of Afro-Caribbean mothers in Birmingham 100A
- KENNEDY, N., BADALOO, V. & JACKSON, A. Metabolic adaptation to a marginal energy intake 85A
- KERR, M. MACF. *see* MCMASTER, DOROTHY 61A
- KEY, FIONA B. & MATHERS, J. C. Response of rat caecal metabolism in varying proportions of white and wholemeal bread 11A
- KHAN, M. A. S., TOPPS, J. H. & BROADBENT, P. J. Influence of different levels of dietary energy on the performance of cows suckling two calves 30A
- KHIN, C. C. *see* LOWELL, JANET P. 120A
- KIRKWOOD, R. N., CUMMING, D. C. & AHERNE, F. X. Nutrition and puberty in the female 177-192
- KOTECHA, S. *see* STOCKLEY, L. 7A
- KOVAR, I. Z. *see* SAINI, JOCELYN R. 84A
- KREIS, MARTIN *see* SHEWRY, PETER R. 379-385
- LAI, C. K. W. *see* LOWELL, JANET P. 120A
- LAMB, W. H. *see* PRENTICE, A. M. 125A
- LAMMIMAN, M. J. *see* DAWSON, J. M. 37A
- LARVIN, M. & McMAHON, M. J. The relation of alcohol intake and diet to the changing pattern of acute pancreatitis 133A
- LATYMER, EVA A. & LOW, A. G. Tissue incorporation and excretion of  $[1-^{14}\text{C}]$  or  $[2-^{14}\text{C}]$ propionic acid into the caecum 113A
- LAVIS, GRAHAME J., OFEI, VIDA & BENDER, DAVID A. Differences in the zinc content of different regions of the toe-nail 59A
- LAWSON, MARGARET S., BUNKER, VALDA W. & CLAYTON, BARBARA E. The effect of dietary fibre on apparent absorption of zinc, copper, iron and manganese in the elderly 53A
- LEAN, M. E. J. & DIXON, A. K. Abdominal adipose tissue distribution in diabetes, Cushing's syndrome and phaeochromocytoma: a computed tomography index for brown adipose tissue activity? 19A
- LEAN, M. E. J. & MURGATROYD, P. R. Defective thermogenic response to mild-cold exposure in type II diabetes and Cushing's disease 18A
- LEAN, M. E. J. *see* ANDERSON, A. S. 144A
- LEAN, M. E. J., SUTHERLAND, F. & SUTHERLAND, H. W. Fatness and fat distribution related to glucose tolerance in pregnancy 151A
- LEATHWOOD, PETER D. Tryptophan availability and serotonin synthesis 143-156
- LEVIN, R. J. *see* YOUNG, A. 24A
- LEVIN, R. J., YOUNG, A., SHINN, SARAH & HILL, SARAH Starvation enhances the secretory responses of stripped rat colon and ileum to acetyl choline in vitro 109A
- LEWIS, SUSAN *see* STAFFORD, WINIFRED 62A
- LOMAX, M. A. *see* CROMPTON, L. A. 44A
- LOMAX, M. A. *see* CROMPTON, L. A. 45A
- LOUDON, ANDREW Nutritional effects on puberty and lactational infertility in mammals: some interspecies considerations 203-216

- LOUGHREAN, M. *see* HAYWOOD, S. 72A  
 LOVAT, L. *see* SANDERS, T. A. B. 5A  
 LOW, A. G. *see* LATYMER, EVA A. 113A  
 LOWELL, JANET P., MORRISON, VALERIE, LAI, C. K. W., KHIN, C. C., MOWAT, N. A. G. & BRUNT, P. W. Fibre, dietitians and irritable bowel syndrome 120A  
 LYNCH, S. M., CARVILLE, D. G. M. & STRAIN, J. J. Copper deficiency and antioxidant status in male and female rats 60A
- MCCREANOR, GWYN M. *see* BENDER, DAVID A. 74A  
 MCCRUM, EVELYN E. *see* McMMASTER, DOROTHY 61A  
 McDONALD, ALISON *see* QUARTERMAN, J. 52A  
 McDONALD, C. L. *see* AITCHISON, E. M. 41A  
 McDONALD, C. L. *see* ROWE, J. B. 40A  
 MACDONALD, I. *see* WILLIAMS, CELIA A. 88A  
 MCKENZIE, P. *see* CLAGUE, M. B. 75A  
 MACLEOD, M. G., JEWITT, T. R. & ANDERSON, JULIE E. M. Energy utilization and physical activity in intubated and self-fed male domestic fowl 148A  
 MACLEOD, M. G. *see* GERAERT, P. A. 34A  
 McMAHON, M. J. *see* LARVIN, M. 133A  
 McMMASTER, DOROTHY, EVANS, A. E., MCCRUM, EVELYN E., KERR, M. MACF. & PATTERSON, C. C. Belfast MONICA project first population survey: cholesterol, zinc, copper and selenium 61A  
 MCNEILL, G., RIVERS, J. P. W. & PAYNE, P. R. Energy requirements of Indian men: overestimation by new international method 124A  
 MCNEILL, J. *see* MATHERS, J. C. 21A  
 MACPHERSON, A. *see* BARCLAY, M. N. I. 55A  
 MACPHERSON, A. *see* PATERSON, JESSIE E. 67A  
 McWHIRTER, J. *see* WOOTTON, S. A. 139A  
 MAHESWARAN, RAVI, GILL, JASWINDER, S. & BEVERS, D. GARETH Recent alcohol intake and blood pressure 134A  
 MALLETT, A. K. *see* ROWLAND, I. R. 127A  
 MALONEY, MARY *see* GIBNEY, M. J. 14A  
 MARGETTS, BARRIE *see* CADE, JANET 99A  
 MARGETTS, BARRIE *see* CADE, JANET 126A  
 MARTIN, P. A. & THOMAS, P. C. Reduction in the saturated fatty acid content of cow's milk fat through diet formulation 114A  
 MATHERS, J. C., MCNEILL, J. & WEIR, SARAH M. Relations between dietary intake and urinary excretion for sodium and potassium 21A  
 MATHERS, J. C. *see* GOODLAD, J. S. 149A  
 MATHERS, J. C. *see* KEY, FIONA B. 11A  
 MATHERS, J. C. *see* SEAL, C. J. 54A  
 MATHIAS, P. M. *see* JORDAN, K. 116A  
 MATTHEWS, DAVID R. & CLARK, ANNE Neural control of the endocrine pancreas 89-95  
 MAUGHAN, R. J. *see* GLEESON, M. 89A  
 MBANYA, J. N. *see* ANIL, M. H. 29A  
 MELLOR, D. J. Nutritional effects on the fetus and mammary gland during pregnancy 249-257  
 MENDY, P. *see* RERAT, A. 104A
- MERCER, S. W. & WILLIAMSON, D. H. Acute changes in mammary gland blood flow, lipogenesis and circulating insulin levels during refeeding of starved lactating rats 31A  
 METCALF, J. A., VERNON, R. G., FLINT, D. J. & WEEKES, T. E. C. Insulin binding to skeletal muscle microsomes during lactation in sheep 47A  
 MICHAELIS, IV O. E. *see* DEBOLT, S. P. 20A  
 MILLER, B. G. *see* RATCLIFFE, B. 101A  
 MILLER, D. *see* GEISSLER, C. 82A  
 MILLWARD, D. J. *see* JEPSON, M. M. 93A  
 MILLWARD, D. J. *see* TIRAPEGUI, J. 94A  
 MISTRY, M. *see* SANDERS, T. A. B. 5A  
 MORGAN, JANE B. *see* SAINI, JOCELYN R. 84A  
 MORRELL, D. J. *see* PELL, J. M. 48A  
 MORRIS, JULIE *see* CADE, JANET 99A  
 MORRIS, JULIE *see* CADE, JANET 126A  
 MORRISON, J. N. & BREMNER, I. Effect of maternal zinc supply on metallothionein levels in blood and liver of rat pups 56A  
 MORRISON, J. N. *see* BREMNER, I. 57A  
 MORRISON, VALERIE *see* LOWELL, JANET P. 120A  
 MOWAT, N. A. G. *see* LOWELL, JANET P. 120A  
 MULCAHY, R. *see* REID, V. 9A  
 MULLER, D. P. R. Free radical problems of the newborn 69-75  
 MURGATROYD, P. R. *see* GOLDBERG, G. R. 118A  
 MURGATROYD, P. R. *see* LEAN, M. E. J. 18A
- NABARRO, DAVID Teaching programme staff to identify likely food shortages and to tackle their consequences 273-279  
 NEWBOLD, C. J., THOMAS, P. C. & CHAMBERLAIN, D. G. The effect of sodium bicarbonate on nitrogen metabolism in the rumen of sheep fed on silage-based rations 49A  
 NEWPORT, M. J. *see* CRANWELL, P. D. 25A  
 NEWPORT, M. J. *see* FOLTMANN, B. 26A  
 NOOR, I. *see* GEISSLER, C. 81A  
 NUNES, C. SIMOES, RERAT, A., VAUGELADE, P. & VAISSADE, P. Qualitative and quantitative intestinal absorption and hepatic metabolism in conscious pigs. 1. Glucose and amino nitrogen 102A  
 NUNES, C. SIMOES, *see* RERAT, A. 103A  
 NUNES, C. SIMOES *see* RERAT, A. 104A  
 NUTE, M. G. *see* WILLIAMS, C. 119A  
 NUTE, M. G. *see* WILLIAMS, C. 138A
- OCKHUIZEN, TH., VAN DE POL, H., VEENSTRA, J., VAN DOKKUM, W. & WEDEL, M. Moderate alcohol consumption affects lipid metabolism and blood haemostasis 132A  
 OFEI, VIDA *see* LAVIS, GRAHAME J. 59A  
 ORAM, E.-L. The effect of the menstrual cycle on patterns of nutrient intake 128A  
 O'RORKE, K. *see* STAFFORD, WINIFRED 62A  
 ØRSKOV, E. R. The role of livestock in Africa: are livestock occasionally contributing to famine? 301-308  
 OWEN, R. W. *see* JADIDI, N. 10A

- PACY, P. J. *see* CHENG, K. N. 3A
- PACY, P. J., WEBSTER, J. D., ISAACS, G., HUNTER, S. & GARROW, J. S. The effect of aerobic exercise on subsequent 24 h resting metabolic rate in normal male subjects 4A
- PARKER, D. S. & ARMSTRONG, D. G. Antibiotic feed additives and livestock production 415-421
- PATERSON, JESSIE E. & MACPHERSON, A. Microbicidal activity of neutrophils of cobalt-deficient and repleted calves 67A
- PATTERSON, C. C. *see* McMMASTER, DOROTHY 61A
- PAYNE, P. R. *see* MCNEILL, G. 124A
- PEARCE, J. *see* CARSON, M. T. 112A
- PEDRICK, M., HICKS, R. M. & TURTON, J. Evaluation of three commercially available vitamin-A-deficient diets 106A
- PELL, J. M., BLAKE, L. A., BUTTLE, H. L., JOHNSSON, I. D., SIMMONDS, A. D. & MORRELL, D. J. Insulin-like growth factor-1 and growth hormone in sheep 48A
- PERSAUD, C., FORRESTER, T. & JACKSON, A. A. Glycine: limiting amino acid for rapid growth 136A
- PETERSON, D. M. *see* WELCH, R. W. 150A
- PONTING, G. A. & SIM, A. J. W. The efficacy of standard intravenous feeding regimens 153A
- PONTING, G. A., WARD, H. A., TEALE, J. D., HALLIDAY, D. & SIM, A. J. W. Somatomedin C, insulin, and protein synthesis in patients receiving biosynthetic human growth hormone and undergoing surgery or during total parenteral nutrition 123A
- POPE, S. *see* HARRISON, R. A. 121A
- POSNER, BARRY I. Insulin interaction with the central nervous system: nature and possible significance 97-103
- PRENTICE, A. M., COLE, T. J., FOORD, F., LAMB, W. H. & WHITEHEAD, R. G. The Keneba prenatal supplementation programme: updated analysis after 4 years of intervention 125A
- PRENTICE, A. M. *see* GOLDBERG, G. R. 118A
- PROUDFOOT, K. *see* SLATER, T. F. 1-12
- PRYOR, J. S. *see* SHEPHERD, R. 23A
- QUARTERMAN, J. & TAM, KATY The effect of lead and phospholipids on serum cholesterol 115A
- QUARTERMAN, J., ANDERSON, J. H. & McDONALD, ALISON The effects of fasting and fibre supplements on some metal-binding properties of rat intestinal mucus 52A
- RALPH, I. G. *see* AITCHISON, E. M. 42A
- RAMDATH, D. *see* GOLDEN, M. H. N. 53-68
- RATCLIFFE, B., SMITH, M. W., MILLER, B. G. & BOURNE, F. J. The effect of soya-bean protein on intestinal morphology, absorption and enzyme activity in gnotobiotic pigs at 3 weeks of age 101A
- RECKLESS, J. P. D. Can nutrition favourably affect serum lipids? 361-366
- REDDY, SHEELA & SANDERS, T. A. B. Plasma phospholipid fatty acid composition in men of Asian and European descent 117A
- REID, V. & MULCAHY, R. Six year compliance with dietary advice in cardiac patients 9A
- RERAT, A., NUNES, C. SIMOES, MENDY, P. & ROGER, L. Absorption kinetics of amino acids from amino acids mixtures of the same composition perfused into the small intestine in the free form or as enzymic milk protein hydrolysates in conscious pigs 104A
- RERAT, A., NUNES, C. SIMOES, VAUGELADE, P. & VAISSADE, P. Qualitative and quantitative intestinal absorption and hepatic metabolism in conscious pigs. 2. Lactate, pyruvate, ammonia-nitrogen and urea 103A
- RERAT, A. *see* NUNES, C. SIMOES 102A
- RICHARDSON, R. A., ROGERS, P., CARR, K., DAWSON, F. & GARDEN, O. J. Relation between osmolality of the diet and diarrhoea in enteral feeding 76A
- RICHARDSON, R. A., SHENKIN, A. & GARDEN, O. J. Liver function test abnormalities during enteral nutrition 77A
- RICHARDSON, R. *see* WEIR, A. M. 122A
- RIFKIND, BASIL M. Diet, cholesterol and coronary heart disease: the Lipid Research Clinics Program 367-372
- RIVERS, J. P. W. *see* MCNEILL, G. 124A
- ROBBINS, D. J. *see* SLY, M. R. 78A
- ROBINSON, S. M. & YORK, D. A. A comparison of the thermic responses to two 2MJ meals provided as a liquid formula or a solid food 83A
- ROGER, L. *see* RERAT, A. 104A
- ROGERS, P. *see* RICHARDSON, R. A. 76A
- ROTHWELL, NANCY J. & STOCK, MICHAEL J. Effect of the level and type of fat intake on energy balance and thermogenesis in the rat 91A
- ROTHWELL, NANCY J., STOCK, MICHAEL J. & SUDERA, DEEPAK K. Thermogenic sensitivity to adrenergic agonists of brown adipocytes from 'cafeteria'-fed rats 92A
- ROTHWELL, NANCY J., STOCK, MICHAEL J. & TEDSTONE, ALISON E. Thermic responses to spontaneous meals in the rat 90A
- ROWE, J. B., AITCHISON, E. M. & McDONALD, C. L. Feed antibiotics and buffers to control rumen lactic acid: 1. dose rates 40A
- ROWE, J. B. *see* AITCHISON, E. M. 41A
- ROWE, J. B. *see* AITCHISON, E. M. 42A
- ROWLAND, I. R., MALLETT, A. K., WARD, F., WALKER, R. & COATES, M. E. The effect of diet on *N*-nitrosoproline excretion in man 127A
- ROY, SAMIR *see* GHOSHAL, DEBASIS 107A
- RUSBY, A. A. & FORBES, J. M. Food intake of intact and vagotomized chickens infused with lysine and glucose into the hepatic portal vein 33A
- SAINI, JOCELYN R., MORGAN, JANE B. & KOVAR, I. Z. Very low birth weight infants given total parenteral nutrition: longitudinal balance studies of nitrogen and energy 84A

- SANDARADURA, SANOJA, BENDER, A. E. & GAHAN, P. B. Effect of high-fibre diets on faecal DNA and mucosal cell proliferation in the rat 97A
- SANDERS, T. A. B., LOVAT, L., MISTRY, M., UPTON KARINA & SULLIVAN, D. R. Influence of a mackerel diet on plasma lipoproteins and platelet function 5A
- SANDERS, T. A. B. *see* HINDS, ALISON 87A
- SANDERS, T. A. B. *see* REDDY, SHEELA 117A
- SCHMITZ, M. *see* HAGEMEISTER, H. 110A
- SCHOLTISSEK, JOHANNE *see* BARTH, C. A. 111A
- SCHOPPE, INA *see* HAGEMEISTER, H. 110A
- SCHRAMKA, B. *see* WELCH, R. W. 150A
- SEAL, C. J. & MATHERS, J. C.  $\text{Na}^+, \text{K}^+$ -ATPase-dependent zinc transfer by everted gut sacs from rats given different amounts and types of dietary fibre 54A
- SEAMAN, J. The limits to the use of international aid as a means of securing improvements in food production and nutrition 267-272
- SELLER, MARY J. Nutritionally induced congenital defects 227-235
- SERJEANT, G. *see* BADALOO, V. 137A
- SHAH, M. *see* GEISSLER, C. 82A
- HELLY, EMER *see* GIBNEY, M. J. 14A
- SHENKIN, A. *see* RICHARDSON, R. A. 77A
- SHENKIN, A. *see* WEIR, A. M. 122A
- SHEPHERD, R., FARLEIGH, C. A., ATKINSON, C. & PRYOR, J. S. The effects of haemo-dialysis on salt and sweet taste 23A
- SHEWRY, PETER R. & KREIS, MARTIN Biotechnology and improvement of feeds 379-385
- SHINN, SARAH *see* LEVIN, R. J. 109A
- SHORTT, H. S. *see* JORDAN, K. 116A
- SIAN, M. S. & GREENHALGH, R. M. Smoking habit, carboxyhaemoglobin level and obesity in patients with peripheral arterial disease 80A
- SIM, A. J. W. *see* PONTING, G. A. 123A
- SIM, A. J. W. *see* PONTING, G. A. 153A
- SIMMONDS, A. D. *see* PELL, J. M. 48A
- SLATER, T. F., CHEESEMAN, K. H., DAVIES, M. J., PROUDFOOT, K. & XIN, W. Free radical mechanisms in relation to tissue injury 1-12
- SLY, M. R., DU BRUYN, D. B., ROBBINS, D. J., VAN DER WALT, W. H. & VAN DER MERWE, J. N. Mechanisms contributing to the rachitogenic properties of maize 78A
- SMITH, ANTHONY D. *see* BENDER, DAVID A. 74A
- SMITH, M. W. *see* RATCLIFFE, B. 101A
- SMITH, R. G. *see* HENERY, E. C. 63A
- SMITH, R. G. *see* STAFFORD, WINIFRED 62A
- STAFFORD, W. *see* HENERY, E. C. 63A
- STAFFORD, WINIFRED, SMITH, R. G., HENERY, ENID C., LEWIS, SUSAN & O'RORKE, K. Estimation of leucocyte zinc and serum Zn and copper in geriatric long-stay patients 62A
- STEEL, W. *see* CLAPPERTON, J. L. 43A
- STEINER, ROBERT A. Nutritional and metabolic factors in the regulation of reproductive hormone secretion in the primate 159-175
- STOCK, MICHAEL J. *see* ROTHWELL, NANCY J. 90A
- STOCK, MICHAEL J. *see* ROTHWELL, NANCY J. 91A
- STOCK, MICHAEL J. *see* ROTHWELL, NANCY J. 92A
- STOCKLEY, L., BROADHURST, A. J. & KOTECHA, S. Nutrient and food intakes in Caucasian and Gujarati men in North London 7A
- STOCKLEY, L. *see* HURREN, C. A. 6A
- STOKES, CHRISTOPHER R. Biotechnology and animal health 387-391
- STRAIN, J. J. *see* CARVILLE, D. G. M. 152A
- STRAIN, J. J. *see* LYNCH, S. M. 60A
- STROUD, MICHAEL A. Did Scott simply starve? Lessons from 'The footsteps of the Scott Antarctic expedition' 129A
- SUDERA, DEEPAK K. *see* ROTHWELL, NANCY J. 92A
- SULLIVAN, D. R. *see* SANDERS, T. A. B. 5A
- SUTHERLAND, F. *see* LEAN, M. E. J. 151A
- SUTHERLAND, H. W. *see* LEAN, M. E. J. 151A
- SUTTLE, N. F., JONES, D. G., WOOLLIAMS, J. A. & WOOLLIAMS, C. Copper supplementation during pregnancy can reduce perinatal mortality and improve early growth in lambs 68A
- SUTTLE, N. F. *see* BREBNER, JOCELYN 66A
- SYLVESTER, V. *see* KEMM, J. R. 100A
- SYMONDS, H. W. *see* ANIL, M. H. 29A
- SYMONDS, H. W. *see* KE, Y. 69A
- TAM, KATY *see* QUARTERMAN, J. 115A
- TAYLOR, C. *see* BARCLAY, M. N. I. 55A
- TAYLOR, K. G. *see* DODSON, P. M. 22A
- TEALE, J. D. *see* PONTING, G. A. 123A
- TEDSTONE, ALISON E. *see* ROTHWELL, NANCY J. 90A
- THOMAS, P. C. *see* MARTIN, P. A. 114A
- THOMAS, P. C. *see* NEWBOLD, C. J. 49A
- THORNTON, I. *see* BREBNER, JOCELYN 66A
- THORNTON, IAIN *see* VAN DORST, SHEILA 65A
- TIRAPEGUI, J., BATES, P. C., DALAL, S. D., YAHYA, Z. H. & MILLWARD, D. J. Effect of corticosterone and energy restriction on IGF-1 levels, cartilage matrix synthesis and bone growth in the rat 94A
- TOMKINS, A. M. *see* HARRISON, R. A. 121A
- TOMKINS, A. M. *see* XIMENES, R. 16A
- TOMKINS, ANDREW *see* TREUHERZ, JOYCE 98A
- TOPPS, J. H. *see* KHAN, M. A. S. 30A
- TRAYHURN, P. & ASHWELL, MARGARET Control of white and brown adipose tissues by the autonomic nervous system 135-142
- TRAYHURN, PAUL & WUSTEMAN, MONICA C. Sympathetic activity in brown adipose tissue during lactation in mice 27A
- TREUHERZ, JOYCE & TOMKINS, ANDREW Evaluating a district food and health policy: the Bloomsbury experience 98A
- TULP, O. L. *see* DEBOLT, S. P. 20A
- TURTON, J., KEEFE, S., HICKS, R. M. & GWYNNE, J. Vitamin A and synthetic retinoids induce gastrointestinal proliferation and gastric hyperkeratosis; similarities in the action of retinoids and epidermal growth factor 2A
- TURTON, J. *see* PEDRICK, M. 106A
- UNSWORTH, E. F. *see* CARSON, M. T. 112A
- UPTON, KARINA *see* SANDERS, T. A. B. 5A

- VAISSADE, P. *see* NUNES, C. SIMOES 102A  
 VAISSADE, P. *see* RERAT, A. 103A  
 VAN DE POL, H. *see* OCKHUIZEN, TH. 132A  
 VAN DEN HAMER, CORNELIS J. A. *see* COSSACK,  
     ZAFRALLAH T. 70A  
 VAN DER MERWE, J. N. *see* SLY, M. R. 78A  
 VAN DER WALT, W. H. *see* SLY, M. R. 78A  
 VAN DOKKUM, W. *see* OCKHUIZEN, TH. 132A  
 VAN DORST, SHEILA, THORNTON IAIN & WANG,  
     WUYI Selenium pathways in the soil-plant-  
     animal system 65A  
 VAUGELADE, P. *see* NUNES, C. SIMOES 102A  
 VAUGELADE, P. *see* RERAT, A. 103A  
 VEENSTRA, J. *see* OCKHUIZEN, TH. 132A  
 VENUGOPAL, S. *see* BADALOO, V. 137A  
 VERNON, R. G. *see* METCALF, J. A. 47A
- WALKER, M. P. *see* WILLIAMS, C. 119A  
 WALKER, M. P. *see* WILLIAMS, C. 138A  
 WALKER, R. *see* ROWLAND, I. R. 127A  
 WAN, J. *see* BROWN, G. 36A  
 WANG, WUYI *see* VAN DORST, SHEILA 65A  
 WARD, F. *see* ROWLAND, I. R. 127A  
 WARD, H. A. *see* PONTING, G. A. 123A  
 WATERLOW, J. C. Introductory remarks 259-261  
 WEBBERLEY, M. J. *see* DODSON, P. M. 22A  
 WEBSTER, J. D. *see* PACY, P. J. 4A  
 WEDEL, M. *see* OCKHUIZEN, TH. 132A  
 WEEKES, T. E. C. *see* METCALF, J. A. 47A  
 WEIR, A. M., RICHARDSON, R., GARDEN, O. J. &  
     SHENKIN, A. The effects of pre-operative nu-  
     tritional status on post-operative complications in  
     head and neck surgery 122A  
 WEIR, SARAH M. *see* MATHERS, J. C. 21A  
 WELCH, R. W., PETERSON, D. M. & SCHRAMKA, B.  
     Cholesterolaemic and intestinal responses to oat  
     bran fractions in chicks 150A  
 WHICHLOW, MARGARET J. Which foods contain  
     dietary fibre? The beliefs of 7351 respondents in  
     the Health and Lifestyle Survey 1984-85 135A  
 WHITAKER, ELAINE M. Obesity and reproduction  
     237-247  
 WHITEHEAD, R. G. *see* PRENTICE, A. M. 125A  
 WILLIAMS, C., NUTE, M. G. & WALKER, M. P.  
     Influence of carbohydrate supplementation on  
     running performance 119A  
 WILLIAMS, C. *see* HARDMAN, A. E. 143A  
 WILLIAMS, C., WALKER, M. P., NUTE, M. G.,  
     JACKSON, J. & BROOKS, S. Fat metabolism during  
     prolonged exercise: influence of carnitine supple-  
     mentation 138A  
 WILLIAMS, CELIA A. & MACDONALD, I. Serum  
     glucose and insulin response to various levels of  
     glucose, maltose and two maltodextrins in men  
     and women 88A  
 WILLIAMSON, D. H. *see* MERCER, S. W. 31A  
 WILLIAMSON, Dermot H. Brain substrates and the  
     effects of nutrition 81-87  
 WILLSON, R. L. Vitamin, selenium, zinc and copper  
     interactions in free radical protection against  
     ill-placed iron 27-34  
 WILTON, J. C. *see* BEEVER, D. E. 38A  
 WOOD, ANNE M. *see* BREMNER, I. 57A  
 WOODWARD, C. J. H. & EMERY, P. W. The activity  
     of cytochrome c oxidase (EC 1.9.3.1) in corticos-  
     terone-treated rats 95A  
 WOOLLIAMS, C. *see* SUTTLE, N. F. 68A  
 WOOLLIAMS, J. A. *see* SUTTLE, N. F. 68A  
 WOOTTON, S. A. & MCWHIRTER, J. Influence of  
     acute food restriction on rabbit skeletal muscle  
     sarcoplasmic reticulum  $\text{Ca}^{2+}/\text{Mg}^{2+}$  ATPase (EC  
     3.6.1.3) 139A  
 WRIGHT, P. D. *see* CLAGUE, M. B. 75A  
 WUSTEMAN, MONICA C. *see* TRAYHURN, PAUL  
     27A
- XIMENES, R., COX, M., TOMKINS, A. M. &  
     COLLINS, K. Energy expenditure in vaccination,  
     infection and controlled hyperthermia 16A  
 XIN, W. *see* SLATER, T. F. 1-12
- YAHYA, Z. H. *see* TIRAPEGUI, J. 94A  
 YARNELL, J. W. G. *see* FEHILY, ANN M. 8A  
 YHOKHA, A. & BUTTERY, P. J. The metabolism of  
     L-[4,5- $^3\text{H}$ ]leucine labelled fishmeal protein by  
     rumen micro-organisms in vitro 39A  
 YORK, D. A. *see* ROBINSON, S. M. 83A  
 YORK, DAVID A. Neural activity in hypothalamic  
     and genetic obesity 105-117  
 YOUNG, A. & LEVIN, R. J. The effects of glucose  
     feeding during starvation on rat jejunal secretion  
     24A  
 YOUNG, A. *see* LEVIN, R. J. 109A