

Index of Authors

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

- AL-ARABI, A. & ANDREWS, J. F. Neuropeptide Y and noradrenaline together cause significant weight loss in obese rats 40A
- ALLEN, P. *see* MOLONEY, A. P. 14A
- ANDREWS, J. F. Comparative physiology of brown adipose tissue 237-241
- ANDREWS, J. F. *see* AL-ARABI, A. 40A
- ANDREWS, J. F. *see* HOULDEN, M. 2A
- ANDREWS, J. F. *see* JAKOBSON, M. E. 8A
- ANDREWS, J. F. *see* MCCOY, CATHERINE 25A
- ANDREWS, J. F. *see* MCKEE, GABRIELLE 6A
- ANDREWS, J. F. *see* MURPHY, CHRISTINE 4A
- ANGUS, K. W. *see* SUTTLE, N. F. 71A
- ARBUTHNOTT, ELINOR Brown adipose tissue: structure and function 177-182
- ARBUTHNOTT, ELINOR *see* MURPHY, CHRISTINE 4A
- ARCH, J. R. S. The brown adipocyte β -adrenoceptor 215-223
- ARNOLD, J., LITTLE, R. A. & ROTHWELL, NANCY J. Chronic effects of endotoxin infusion on energy balance and brown adipose tissue in the rat 16A
- ARNOLD, J. *see* CHOO, J. J. 149A
- ARNOLD, J., SHIPLEY, K., SCOTT, N., LITTLE, R. A. & IRVING, M. H. Thermogenic response to parenteral nutrition in septic man 72A
- ASH, S. A. & GRIFFIN, G. E. The effect of total parenteral nutrition on protein synthesis in endotoxaemic rats 56A
- AYNESLEY-GREEN, ALBERT New insights into the nutritional management of newborn infants derived from studies of metabolic and endocrine inter-relations during the adaptation to post-natal life 283-292
- BAKER, A. *see* CHARLTON, C. P. J. 116A
- BALLA, H. G., HERBERT, E., MUNRO, C. S. & SUTTLE, N. F. Assessing the efficacy of a soluble glass bolus as a slow-release source of copper, cobalt and selenium for sheep 86A
- BARKER, M. E. *see* CARVILLE, D. G. M. 35A
- BARKER, M. E. *see* LIVINGSTONE, M. B. E. 21A
- BARKER, MARGO E. *see* STRAIN, J. J. 27A
- BARKER, MARGO E. *see* STRAIN, J. J. 65A
- BARKER, MARGO E., THOMPSON, KATE A., EVANSON, EILEEN M. T. & WOODS, ROBERTA The nutritional intake of schoolchildren in Northern Ireland—a comparison of two school-meal systems 74A
- BARKER, MARGO E., THOMPSON, KATE A., STRAIN, J. J., WRIGHT, MARION E., REID, NORMA G., WILLIAMSON, A. P., MCKENNA, P. G. & McCLEAN, SALLY I. Energy and nutrient intakes of the population of Northern Ireland 31A
- BASSETT, J. M. Hormones and metabolic adaptation in the newborn 263-269
- BATES, P. C. *see* JANAKAT, SANA M. 137A
- BATES, P. C. *see* OMER, A. 62A
- BEEVER, D. E. *see* FITCH, N. A. 76A
- BEEVER, D. E. *see* PELL, J. M. 83A
- BEHN, ALISON *see* WOOTTON, S. A. 57A
- BELL, A. W. *see* LEURY, B. J. 93A
- BENNETT, W. M., CONNACHER, A. A., SMITH, K., JUNG, R. T. & RENNIE, M. J. Lack of insulin stimulation of skeletal muscle protein synthesis in type I diabetic subjects during amino acid infusion 100A
- BIBBY, D. C. & GRIMBLE, R. F. Effect of tumour necrosis factor α on temperature and zinc metabolism in weanling, young, adult and elderly rats 162A
- BIBBY, D. C. & GRIMBLE, R. F. Hypothermic and pyrogenic effects of recombinant tumour necrosis factor α in rats 18A
- BIBBY, D. C. & GRIMBLE, R. F. Leukotrienes and prostaglandins may be involved in the hypothermic effects of recombinant tumour necrosis factor α in rats 112A
- BIBBY, D. C. & GRIMBLE, R. F. Modification of the metabolic effects of recombinant human tumour necrosis factor α by diets rich in coconut oil 69A
- BIGNELL, W. W. *see* GROVUM, W. L. 3A
- BIRMINGHAM, A. T. *see* BUCK, J. J. 134A
- BLACKBURN, GEORGE L. *see* WAN, JENNIFER M.-F. 315-335
- BLAKE, DAVID *see* MERRY, PETER 363-369
- BLAKEBOROUGH, P. *see* TURNBULL, A. J. 145A
- BLAKEBOROUGH, PETER, SMALES, CAROLINE, NEVILLE, SHEILA G. & ROLLS, BRIAN A. The effect of diets adequate and deficient in calcium on the activities of plasma membrane ATPases in the hearts and diaphragms of normotensive and spontaneously hypertensive rats 146A
- BLANCHFLOWER, W. J. *see* O'HARTE, F. P. M. 142A
- BLANCHFLOWER, W. J. *see* RICE, D. A. 141A
- BLAYDON, P. *see* PRENTICE, A. M. 152A
- BONE, J. M. *see* GREEN, CERI J. 73A
- BOOTH, I. W. *see* CHARLTON, C. P. J. 116A
- BOSTON, V. E. *see* HANNON, R. J. 104A
- BOYD, I. L. & BRAY, C. J. Nutritional ecology of the wild rabbit—an input to the timing of reproduction 81-91
- BRADY, CATRIONA, GIBNEY, M. J., KELLY, C. & WEIR, D. G. Salivary and serum antibodies to gliadin in treated and untreated coeliac disease 41A
- BRAY, C. J. *see* BOYD, I. L. 81-91
- BREBNER, J. *see* SUTTLE, N. F. 87A
- BREMNER, I. *see* GRIMBLE, R. F. 64A
- BRENNAN, M., FLYNN, A. & MORRISSEY, P. A. Comparison of iron and zinc absorption in rat pups from human milk extrinsically labelled with ^{59}Fe and ^{65}Zn 39A
- BREVES, G., GABEL, G., PFEFFER, E. & MARTENS, H. Unidirectional calcium fluxes across the isolated rumen mucosa of goats as affected by $1,25\text{-}(\text{OH})_2\text{D}_3$ 163A

- BRISTOW, HEATHER E., STRAIN, J. J. & WELCH, R. W. Effects of dietary lactose or sucrose on tissue oxidative metabolic capacity in male and female rats 157A
- BROWN, J. C. W. & STRAIN, J. J. Influence of homocysteine on copper status in the rat 160A
- BROWN, SUSAN *see* JONES, T. W. G. 36A
- BRUCE, A. C. *see* MAUGHAN, R. J. 170A
- BRYANT, M. J. *see* WHEATLEY, S. D. 63A
- BUCHAN, V. *see* HEYS, S. D. 101A
- BUCHANAN, E. *see* CHARLTON, C. P. J. 116A
- BUCK, J. J., HAIGH, R., BIRMINGHAM, A. T. & MACDONALD, I. A. Effect of food intake on orthostatic tolerance and finger tremor in healthy young subjects 134A
- BUCK, S. F. *see* LAWRENCE, P. R. 153A
- BUNKER, V. W., CAMPBELL, D., THOMAS, A. J. & HINKS, L. J. Effect of cigarette smoking and age on selenium status 59A
- BUNKER, VALDA W. *see* THOMAS, ANITA J. 67A
- BURNS, H. J. G. *see* MCWILLIAMS, G. 70A
- BURNS, H. J. G. *see* SHENKIN, A. 111A
- BUSBRIDGE, N. J., DASCOMBE, M. J., HOPKINS, S. & ROTHWELL, N. J. Acute central effects of interleukin-6 on body temperature, thermogenesis and food intake in the rat 48A
- BUSBRIDGE, N. J. *see* CARNIE, J. A. 148A
- BUTTE, NANCY F., WONG, WILLIAM W. & GARZA, CUTBERTO Energy cost of growth during infancy 303-312
- CADE, J. E. *see* MARGETTS, B. M. 125A
- CALDER, A. G. *see* HEYS, S. D. 101A
- CAMMELL, S. B. *see* PELL, J. M. 83A
- CAMPBELL, D. *see* BUNKER, V. W. 59A
- CAMPBELL, I. *see* LAWRENCE, P. R. 153A
- CAMPBELL, I. *see* LAWRENCE, P. R. 154A
- CAMPBELL, I. T. *see* GREEN, CERI J. 43A
- CAMPBELL, I. T. *see* GREEN, CERI J. 73A
- CAMPBELL, I. T. *see* GREEN, CERI J. 107A
- CAMPBELL, I. T. *see* GREEN, CERI J. 155A
- CARLI, F., GANDY, J., FORD, G. C., MERRITT, H., READ, M., RAMACHANDRA, V., PEARSON, M. & HALLIDAY, D. Post-absorptive whole-body protein turnover in surgical patients formerly maintained on a constant diet 53A
- CARNIE, J. A., JOHNSTON, J. A., BUSBRIDGE, N. J., DASCOMBE, M. J. & ROTHWELL, N. J. Central effects of inter-leukin-1 β and tumour necrosis factor- α on brown adipose tissue thermogenesis in genetically obese rats and mice 148A
- CARNIE, J. A. *see* McCARTHY, H. D. 147A
- CARNIE, J. A. *see* McCARTHY, H. D. 164A
- CARTER, K. *see* MCWILLIAMS, G. 70A
- CARVER, LISA *see* JONES, T. W. G. 36A
- CARVILLE, D. G. M., STRAIN, J. J., WELCH, R. W., BARKER, M. E., RICE, D. A. & YOUNG, P. Sex differences in blood antioxidant enzyme activities in human beings 35A
- CASEY, CLARE E. *see* CASSIDY, AEDIN 94A
- CASEY, CLARE E. The nutritive and metabolic advantages of homologous milk 271-281
- CASSIDY, AEDIN & CASEY, CLARE E. The validity of a food frequency questionnaire in assessing specific nutrient intakes in a group of females 94A
- CASTEILLA, L. *see* VIÑAS, O. 34A
- CAWTHORNE, M. A. Does brown adipose tissue have a role to play in glucose homeostasis? 207-214
- CEESAY, S. M. *see* LIVINGSTONE, M. B. E. 68A
- CEESAY, SANA M., PRENTICE, ANDREW M., DAY, KENNETH C., GOLDBERG, GAIL R., MURGATROYD, PETER R., SCOTT, WENDY & SPURR, G. B. Estimation of energy expenditure by heart rate: a validation study 66A
- CHAMBERS, PAULINE *see* RICH, A. J. 105A
- CHAMPIGNY, O. *see* WEISINGER, H. 44A
- CHAMPIGNY, ODETTE & RICQUIER, D. Effect of fasting and refeeding on uncoupling protein-mRNA levels in rat brown adipose tissue 24A
- CHAMSI-PASHA, H. *see* O'HANRAHAN, T. 121A
- CHAMSI-PASHA, H. *see* SHAFFER, J. L. 122A
- CHAN, ELLEN & SWAMINATHAN, R. An enzyme-linked immunosorbent assay for the measurement of uncoupling protein in brown adipose tissue 20A
- CHANDLER, K. D. *see* LEURY, B. J. 93A
- CHARLTON, C. P. J., BUCHANAN, E., HOLDEN, C., BAKER, A., BOOTH, I. W. & TARLOW, M. J. Nutrition improved with intensive enteral feeding in children awaiting liver transplantation 116A
- CHARTERS, YVONNE M. & GRIMBLE, R. F. Tumour necrosis factor α affects protein synthesis in liver and skeletal muscle but not skin of Wistar rats 58A
- CHEN, X. B., KYLE, D. J., WHYTE, C. C., HOVEL, F. D. DEB. & ØRSKOV, E. R. Uric acid and allantoin in plasma and saliva of sheep 88A
- CHIVERS, DAVID J. Adaptations of digestive systems in non-ruminant herbivores 59-67
- CHOO, J. J., ARNOLD, J., HORAN, M. A., LITTLE, R. A. & ROTHWELL, N. J. Effects of a β_2 -adrenoreceptor agonist clenbuterol on body-weight and muscle protein in endotoxin-treated rats 149A
- CLAGUE, M. B. *see* STOCK, S. E. 109A
- CLARK, R. G. *see* ZEIDERMAN, M. R. 108A
- CLAYTON, BARBARA E. *see* THOMAS, ANITA J. 67A
- CLEGG, ALISON M. *see* GREEN, CERI J. 155A
- CLOUGH, P. J. & MAUGHAN, R. J. Misinterpretation of body image: implications for exercise participation 98A
- CONNACHER, A. A. *see* BENNETT, W. M. 100A
- COOP, R. L. *see* SUTTLE, N. F. 71A
- CORLETT, S. C. & SYMONDS, H. W. The effect of D-penicillamine with and without xylazine on copper excretion by sheep 159A
- CORLETT, S. C. *see* SYMONDS, H. W. 158A
- CORPUS, V. A., HOINVILLE, E. & DOWLER, E. A. Body mass index in a sample of Filipino adults in relation to broad occupational categories 127A
- COTTERELL, RICHARD C. Has the science of nutrition benefited from the food industry? 155-158
- COWARD, W. A. *see* LIVINGSTONE, M. B. E. 21A
- COWARD, W. A. *see* LIVINGSTONE, M. B. E. 68A

- COWARD, W. A. *see* MURGATROYD, P. R. 126A
 COWARD, W. A. *see* PRENTICE, A. M. 152A
 CROMPTON, L. A. & LOMAX, M. A. The effect of growth hormone on hind-limb muscle protein metabolism in growing lambs 96A
 CRUICKSHANK, ANNE M., RODGERS, PAMELA, DUNBAR, PEGGY, FELL, GORDON S. & SHENKIN, ALAN. Copper balance in intravenously fed patients 114A
- DASCOMBE, M. J. *see* BUSBRIDGE, N. J. 48A
 DASCOMBE, M. J. *see* CARNIE, J. A. 148A
 DAVIES, H. L. *see* GOLDBERG, GAIL R. 129A
 DAY, KENNETH C. *see* CEESAY, SANA M. 66A
 DE BENOIST, M.-H. *see* DOHERTY, T. 55A
 DILS, R. R. Synthetic and secretory processes of lactation 9-15
 DOHERTY, T., DE BENOIST, M.-H., HIBBERT, J., PERSAUD, C. & JACKSON, A. A. The effect of the level of dietary protein and the quality of dietary energy on urea kinetics in young children recovering from severe malnutrition 55A
 DOMINGUEZ-BELLO, M. GLORIA & STEWART, C. S. Breakdown of 3-(OH)-4-(1H)-pyridone by bacteria from the rumen of sheep in Venezuela 168A
 DONACHIE, P. *see* OMER, A. 62A
 DONNE, B. *see* MCCOY, CATHERINE 25A
 DOWLER, E. A. *see* CORPUS, V. A. 127A
 DOWNES, R. M. *see* NORTHRUP, C. A. 84A
 DOYLE, WENDY, SANDERSON, MARGARET & WYNN, A. H. A. Nutrient intakes of high- and low-sugar consumers during pregnancy 46A
 DRASAR, B. *see* MENSAH, PATIENCE 138A
 DUCKWORTH, R. *see* GREEN, CERI J. 43A
 DUNBAR, PEGGY *see* CRUICKSHANK, ANNE M. 114A
 DUNCAN, A. *see* RUSSELL, R. I. 115A
- EDWARDS, ALISON J. *see* YOUNG, A. 17A
 EDWARDS, R. H. T. *see* PHOENIX, JOANNE 166A
 EDWARDS, RICHARD H. T. *see* MACLENNAN, PETER A. 165A
 ELIA, M., NORTHRUP, C. A., LUNN, P. G. & GOREN, A. Effect of systemic infection on intestinal permeability in man 80A
 ELIA, M. *see* LUNN, P. G. 82A
 ELIA, M. *see* PULLICINO, E. 77A
 ELIA, M. *see* WUSTEMAN, M. 79A
 ELLIS, JEANETTE *see* WOOTTON, S. A. 57A
 EMERY, P. W. *see* WOODWARD, C. J. H. 49A
 EREMIN, O. *see* HEYS, S. D. 101A
 EVANS, ELIZABETH *see* HUGHES, JOYCE 124A
 EVANS, R. D. & WILLIAMSON, D. H. Effect of tumour necrosis factor α (TNF α -cachectin) on lipid metabolism during litter-removal in the lactating rat 61A
 EVANS, S. W. *see* TAKTAK, Y. S. 110A
 EVASON, EILEEN M. T. *see* BARKER, MARGO E. 74A
- FALLICK, A. E. *see* LEIPER, J. B. 97A
 FARAH, D. A. *see* RUSSELL, R. I. 115A
- FEARON, K. C. H. *see* MCWILLIAMS, G. 70A
 FELL, GORDON S. *see* CRUICKSHANK, ANNE M. 114A
 FINLAYSON, HEATHER, J. *see* MATHERS, J. C. 139A
 FINLAYSON, HEATHER J. *see* PEDROSO, LAURENTINA M. R. 54A
 FITCH, N. A., GILL, M., LOMAX, M. A. & BEEVER, D. E. Nitrogen and glucose metabolism by the liver of forage- and forage-concentrate-fed cattle 76A
 FLECK, A. Clinical and nutritional aspects of changes in acute-phase proteins during inflammation 347-354
 FLYNN, A. *see* BRENNAN, M. 39A
 FLYNN, A. *see* QUINN, G. 37A
 FORD, C., FOSTER, P. C. & WARING, J. J. Effect of voluntary exercise training and detraining on energy intake and body-weight gain: implications for existence of regulatory thermogenesis 30A
 FORD, G. C. *see* CARLI, F. 53A
 FORD, G. C. *see* PACY, P. J. 51A
 FORDHAM, J. P. *see* GOODLAD, R. A. 140A
 FORSYTH, ISABEL A. Mammary development 17-22
 FOSTER, P. C. *see* FORD, C. 30A
 FOTSO TAGNY, J.-M. *see* MATHERS, J. C. 52A
 FOWLER, P. A. *see* MCNEILL, G. 23A
 FRAPE, D. L. Nutrition and the growth and racing performance of thoroughbred horses 141-152
 FRASER, W. D. *see* SHENKIN, A. 111A
 FRIGGENS, N. C. *see* OLDHAM, J. D. 33-43
 FULLER, M. F. *see* MCNEILL, G. 23A
- GÄBEL, G. *see* BREVES, G. 163A
 GALLEN, I. W., MACDONALD, I. A. & MANSELL, P. I. Effect of 48 h starvation on the physiological response to food ingestion in normal weight women 133A
 GANDEMER, G. *see* GRIFFITHS, T. W. 5A
 GANDY, J. *see* CARLI, F. 53A
 GARLICK, P. J. *see* HEYS, S. D. 101A
 GARLICK, P. J. *see* MELVILLE, S. 102A
 GARZA, CUTBERTO *see* BUTTE, NANCY F. 303-312
 GEISSLER, CATHERINE *see* HUGHES, JOYCE 124A
 GIBNEY, M. J. & LEE, PAULINE Patterns of food and nutrient intake in the chronically unemployed consuming high and low levels of table sugar 132A
 GIBNEY, M. J. *see* BRADY, CATRIONA 41A
 GIBNEY, M. J. *see* HUNTER, B. 15A
 GIBNEY, M. J. *see* KEARNEY, J. 29A
 GILBERTSON, A. A. *see* GREEN, CERI J. 73A
 GILL, M. *see* FITCH, N. A. 76A
 GILL, M. *see* PELL, J. M. 83A
 GIRALT, M., MARTIN, I., MAMPEL, T., VILLARROYA, F., IGLESIAS, R. & VIÑAS, O. Perinatal changes in iodothyronine 5'-deiodinase activity in rat brown adipose tissue 32A
 GIRALT, M. *see* VIÑAS, O. 34A
 GOLDBERG, GAIL R., MURGATROYD, P. R., DAVIES, H. L. & PRENTICE, A. M. Interactions between the intensity of exercise and the residual effect on metabolic rate 129A

- GOLDBERG, GAIL R. *see* CEESAY, SANA M. 66A
 GOODLAD, R. A., RATCLIFFE, B., FORDHAM, J. P.
 & WRIGHT, N. A. The intestinal microflora is
 required for the stimulation of intestinal epi-
 thelial cell proliferation by dietary fibre 140A
 GORE, M. *see* PEACHY, T. 22A
 GOREN, A. *see* ELIA, M. 80A
 GOSS-SAMPSON, M. A. *see* OMER, A. 62A
 GRANT, A. M. *see* TAKTAK, Y. S. 110A
 GREEN, CERI J., HAMMOND, P. & CAMPBELL, I. T.
 Comparison of electrical impedance and skinfold
 techniques to measure body fat 107A
 GREEN, CERI J., HARTLEY, M. N., SARGINSON, R.,
 DUCKWORTH, R., PARR, N. & CAMPBELL, I. T.
 The effect of a low-dose intravenous dopamine
 infusion on gastric pressure 43A
 GREEN, CERI J., MCCLELLAND, P., GILBERTSON,
 A. A., WILKES, R. G., BONE, J. M. &
 CAMPBELL, I. T. Energy balance in acute illness
 73A
 GREEN, CERI J., REGAN, CATHY J., O'SULLIVAN,
 ELLEN, UNDERHILL, S., CLEGG, ALISON M.,
 MACLAREN, D. P. M. & CAMPBELL, I. T. Glu-
 cose utilization rates and the thermogenic effect
 of infused glucose in critical illness 155A
 GRIFFIN, G. E. *see* ASH, S. A. 56A
 GRIFFITHS, T. W., GANDEMER, G., VIAU, MICHELE
 & VERDRENNE, P. Polyunsaturated fatty acid
 (PUFA) content of rabbit meat: a potential
 source of PUFA for human nutrition 5A
 GRIMBLE, R. F. & BREMNER, I. Tumour necrosis
 factor α enhances hepatic metallothionein-I con-
 tent but reduces that of the kidney 64A
 GRIMBLE, R. F. *see* BIBBY, D. C. 18A
 GRIMBLE, R. F. *see* BIBBY, D. C. 69A
 GRIMBLE, R. F. *see* BIBBY, D. C. 112A
 GRIMBLE, R. F. *see* BIBBY, D. C. 162A
 GRIMBLE, R. F. *see* CHARTERS, YVONNE M. 58A
 GRIMBLE, R. F. *see* HOLT, S. J. 50A
 GROVUM, W. L. & BIGNELL, W. W. Results refut-
 ing volatile fatty acids *per se* as signals of satiety
 in ruminants 3A
 GURR, MICHAEL I. Has the food industry benefited
 from the science of nutrition? 159–163
 GVOZDANOVIC, D. *see* MCNEILL, G. 23A
 Gvozdanovic, S. *see* MCNEILL, G. 23A
 HAIGH, R. *see* BUCK, J. J. 134A
 HALLIDAY, D. *see* CARLI, F. 53A
 HALLIDAY, D. *see* PACY, P. J. 51A
 HAMMOND, P. *see* GREEN, CERI J. 107A
 HAMPTON, SHELAGH M., MORGAN, JANE B.,
 SHANNON, LORNA E., McCCLUSKEY, SUSAN J. &
 MARKS, V. Preschool children: an investigation
 of β -cell status, nutrient intake and growth 130A
 HAMPTON, SHELAGH M. *see* MORGAN, JANE B.
 131A
 HANNIGAN, B. M. *see* MAZDAI, G. 161A
 HANNON, R. J. & BOSTON, V. E. Water and ion
 redistribution in sepsis does not result in hypo-
 natraemia 104A
 HARDY, G. The effects of amino acids on the
 stability of total parenteral nutrition mixtures
 118A
 HARRIS, ROGER C. *see* SNOW, DAVID H. 135–139
 HARRISON, T. J. *see* MENSAH, PATIENCE 138A
 HARTLEY, M. N. *see* GREEN, CERI J. 43A
 HAW, MARCUS P. *see* WAN, JENNIFER M.-F. 315–
 335
 HEATLEY, R. V. *see* PENN, N. D. 113A
 HELDMAIER, G. *see* WEISINGER, H. 44A
 HEMINGWAY, R. G., PARKER, E. R. & RITCHIE,
 N. S. Sodium bicarbonate and calcined mag-
 nesite supplementation for lactating dairy cows
 9A
 HEMINGWAY, R. G. *see* LAWSON, D. C. 89A
 HEMINGWAY, R. G. *see* PARKER, E. R. 7A
 HERBERT, E. *see* BALLA, H. G. 86A
 HERBERT, E. *see* SUTTLE, N. F. 87A
 HEYS, S. D., KEENAN, R. A., WERNERMAN, J.,
 MCNURLAN, M. A., MILNE, E., CALDER, A. G.,
 BUCHAN, V., EREMIN, O. & GARLICK, P. J. The
 determination of tumour protein synthesis rates
 in patients with colorectal carcinoma using the
 'flooding dose' technique 101A
 HIBBERT, J. *see* DOHERTY, T. 55A
 HICKEY, R. J. *see* LIVINGSTONE, M. B. E. 21A
 HICKS, R. M. *see* PEDRICK, M. S. 136A
 HINKS, L. J. *see* BUNKER, V. W. 59A
 HOINVILLE, E. *see* CORPUS, V. A. 127A
 HOLBROOK, I. *see* SHAFFER, J. L. 122A
 HOLDEN, C. *see* CHARLTON, C. P. J. 116A
 HOLLOWAY, BRIAN R. Reactivation of brown
 adipose tissue 225–230
 HOLT, S. J., GRIMBLE, R. F. & YORK, D. A. The
 effect of recombinant human tumour necrosis
 factor and lymphotoxin on the sympathetic firing
 rate of efferent nerves to brown adipose tissue
 50A
 HOPKINS, S. *see* BUSBRIDGE, N. J. 48A
 HORAN, M. A. *see* CHOO, J. J. 149A
 HOULDEN, M. & ANDREWS, J. F. Why is there
 increased lipid droplet size in brown adipose
 tissue of genetically obese (*ob/ob*) mice? 2A
 HOVEL, F. D. DEB. *see* CHEN, X. B. 88A
 HUGHES, JOYCE, GEISSLER, CATHERINE & EVANS,
 ELIZABETH Who drops out of slimming groups?
 124A
 HULLIN, R. P. *see* PRENTICE, A. M. 152A
 HUME, I. D. Nutrition of marsupial herbivores
 69–79
 HUNTER, B. & GIBNEY, M. J. The effects of acute
 and chronic ingestion of *n*-3 and *n*-6 polyunsatur-
 ated fats on ethanol-induced gastric haemorrhage
 in the rat 15A
 IGLESIAS, R. *see* GIRALT, M. 32A
 IGLESIAS, R. *see* VIÑAS, O. 34A
 IRVING, M. H. *see* ARNOLD, J. 72A
 IRVING, M. H. *see* O'HANRAHAN, T. 121A
 IRVING, M. H. *see* SCOTT, N. A. 119A
 IRVING, M. H. *see* SCOTT, N. A. 120A
 IRVING, M. H. *see* SHAFFER, J. L. 122A
 JACKSON, A. A. *see* DOHERTY, T. 55A
 JACKSON, A. A. *see* MORAN, B. 75A

- JACKSON, A. A. *see* MORAN, B. J. 117A
- JACKSON, ALAN A. Optimizing amino acid and protein supply and utilization in the newborn 293–301
- JACKSON, F. *see* SUTTLE, N. F. 71A
- JACKSON, M. & POSKITT, E. M. E. High-energy feeding in infants with congenital heart disease 156A
- JACKSON, M. J. *see* PHOENIX, JOANNE 166A
- JAKOBSEN, M. E., MCBENNETT, S. & ANDREWS, J. F. continuous cold *v.* choice of cold: effect of different foraging regimens on brown fat acclimation in mice 8A
- JANAKAT, SANA M., BATES, P. C., MILLWARD, D. J., YAHYA, Z. A. & RIVERS, J. P. W. The effect of increasing concentrations of dietary β -aminopropionitrile on collagen cross-linkage in streptozotocin-diabetic rats 137A
- JENNINGS, G. *see* LUNN, P. G. 82A
- JENNINGS, G. *see* WUSTEMAN, M. 79A
- JOHNSTON, I. D. A. *see* RICH, A. J. 105A
- JOHNSTON, I. D. A. *see* STOCK, S. E. 109A
- JOHNSTON, J. A. *see* CARNIE, J. A. 148A
- JONES, A. R. *see* PELL, J. M. 83A
- JONES, T. W. G., BROWN, SUSAN, CARVER, LISA & SPENCER, NICOLA Some effects of β receptor agonists and antagonists on oxygen consumption and lipolysis in brown adipocytes of the neonatal rabbit 36A
- JUNG, R. T. *see* BENNETT, W. M. 100A
- KEARNEY, J. & GIBNEY, M. J. The relative effects of recent dietary intakes and adipose tissue levels of linoleic acid on the linoleic acid content of plasma free fatty acids of healthy volunteers 29A
- KEENAN, R. A. *see* HEYS, S. D. 101A
- KELLEHER, J. *see* PENN, N. D. 113A
- KELLY, C. *see* BRADY, CATRIONA 41A
- KELLY, F. J. & PHILLIPS, G. Inflammation associated with oxygen injury in the preterm guinea-pig 60A
- KELLY, F. J. *see* PHILLIPS, G. 81A
- KENNEDY, D. G. *see* RICE, D. A. 141A
- KEY, FIONA B. & MATHERS, J. C. Effects on volatile fatty acid production and gut epithelial proliferation of adding haricot beans to a wholemeal bread diet 47A
- KIDD, BRUCE *see* MERRY, PETER 363–369
- KINDLEN, A. S. & MUNRO, R. E. C. The energy cost of a menopausal hot flush 95A
- KLAUS, S. *see* WEISINGER, H. 44A
- KLUGER, MATTHEW J. Body temperature changes during inflammation: their mediation and nutritional significance 337–345
- KNIGHT, CHRISTOPHER H. Constraints on frequent or continuous lactation 45–51
- KNOX, D. P. *see* SUTTLE, N. F. 71A
- KYLE, D. J. *see* CHEN, X. B. 88A
- LATHAM, ANN, LE FEUVRE, ROS A. & ROTHWELL, NANCY J. Enhanced thermogenic effects of d-fenfluramine following neurotoxic lesions of central 5-hydroxytryptamine in the rat 38A
- LAWRENCE, P. R., BUCK, S. F. & CAMPBELL, I. The metabolic rate of oxen after work 153A
- LAWRENCE, P. R., SOSA, R. & CAMPBELL, I. The underlying 'resting' energy consumption of oxen during work 154A
- LAWSON, D. C., RITCHIE, N. S., HEMINGWAY, R. G. & PARKINS, J. J. A novel, sustained-release rumen bolus for cattle, containing trace elements and vitamins 89A
- LAWSON, MARGARET *see* THOMAS, ANITA J. 67A
- LE FEUVRE, ROS A. *see* LATHAM, ANN 38A
- LEAN, M. E. J. Brown adipose tissue in humans 243–256
- LEAVESLEY, KAY *see* PRENTICE, A. M. 152A
- LEE, PAULINE *see* GIBNEY, M. J. 132A
- LEIPER, J. B. & MAUGHAN, R. J. Improved absorption rates of water and electrolytes from a hypotonic solution compared with two isotonic oral rehydration solutions in the intact human jejunum 144A
- LEIPER, J. B., FALLICK, A. E. & MAUGHAN, R. J. Absorption of deuterium from an orally ingested isotonic carbohydrate-electrolyte solution and a carbonated, low-alcohol drink 97A
- LEIPER, J. B. *see* McBRINE, J. 171A
- LEURY, B. J., CHANDLER, K. D. & BELL, A. W. Fetal glucose metabolism during maternal exercise and undernutrition in pregnant ewes 93A
- LEVIN, R. J. *see* NZEGWU, HELEN C. 19A
- LEVIN, R. J. *see* PEREIRA, M. M. C. 78A
- LEVIN, R. J. *see* YOUNG, A. 17A
- LEVIN, R. J. *see* YOUNG, A. 90A
- LEVY, L. B. & WOOTTON, S. A. The effect of acute food deprivation on contractile characteristics of rat skeletal muscles 167A
- LITTLE, R. A. *see* ARNOLD, J. 16A
- LITTLE, R. A. *see* ARNOLD, J. 72A
- LITTLE, R. A. *see* CHOO, J. J. 149A
- LIVINGSTONE, M. B. E., STRAIN, J. J., MCKENNA, P. G., COWARD, W. A. & CEESAY, S. M. Comparison of heart rate monitoring with the doubly-labelled water [$^{2}\text{H}_{2}^{18}\text{O}$] method for measurement of energy expenditure in free living subjects 68A
- LIVINGSTONE, M. B. E., STRAIN, J. J., NEVIN, G. B., BARKER, M. E., HICKEY, R. J., MCKENNA, P. G., PRENTICE, A. M., COWARD, W. A. & WHITEHEAD, R. G. The use of weighed dietary records and the doubly-labelled ($^{2}\text{H}_{2}^{18}\text{O}$) water method to compare energy intake and expenditure 21A
- LOMAX, M. A. *see* CROMPTON, L. A. 96A
- LOMAX, M. A. *see* FITCH, N. A. 76A
- LOMAX, M. A. *see* WHEATLEY, S. D. 63A
- LOVEGROVE, JULIE *see* MORGAN, JANE B. 131A
- LUNN, P. G., NORTHROP, C. A., JENNINGS, G. & ELIA, M. Effect of endotoxin and turpentine injections on intestinal permeability in the rat 82A
- LUNN, P. G. *see* ELIA, M. 80A
- LUNN, P. G. *see* NORTHROP, C. A. 84A
- LYNCH, S. M. & STRAIN, J. J. Effects of dietary methionine supplementation on copper status in the rat 11A

- MCBENNETT, S. *see* JAKOBSON, M. E. 8A
 MCBRINE, J., LEIPER, J. B. & MAUGHAN, R. J. The acute effects of two fruit-based soft drinks on blood acid-base status 171A
 MCCARTHY, H. D. & CARNIE, J. A. Effect of a specific α_2 -antagonist on weight gain of genetically obese Zucker rats 164A
 MCCARTHY, H. D. & CARNIE, J. A. Effect of thyrotropin-releasing hormone and an analogue, RX77368, on thermogenesis and weight gain in genetically obese Zucker rats 147A
 MCCARTNEY, C. *see* SHENKIN, A. 111A
 McCLEAN, SALLY I. *see* BARKER, MARGO E. 31A
 McCLEAN, SALLY I. *see* STRAIN, J. J. 27A
 McCLEAN, SALLY I. *see* STRAIN, J. J. 65A
 MCCLELLAND, P. *see* GREEN, CERI J. 73A
 MCCUSKEY, SUSAN J. *see* HAMPTON, SHELagh M. 130A
 MCCOY, CATHERINE, DONNE, B. & ANDREWS, J. F. Energy intake during the menstrual cycle: little change at ovulation 25A
 MACDONALD, I. Obituary notice, Russell J. Allen (1914-1989) 313
 MACDONALD, I. A. *see* BUCK, J. J. 134A
 MACDONALD, I. A. *see* GALLEN, I. W. 133A
 MACDONALD, I. A. *see* MANSELL, P. I. 103A
 McGAW, B. A. *see* MCNEILL, G. 23A
 MCKEE, GABRIELLE & ANDREWS, J. F. Morphological changes in brown adipose tissue lipids during cold acclimation in the golden hamster (*Mesocricetus auratus*) 6A
 McKENNA, P. G. *see* BARKER, MARGO E. 31A
 McKENNA, P. G. *see* LIVINGSTONE, M. B. E. 21A
 McKENNA, P. G. *see* LIVINGSTONE, M. B. E. 68A
 McKENNA, P. G. *see* STRAIN, J. J. 27A
 McKENNA, P. G. *see* STRAIN, J. J. 65A
 MACLAREN, D. P. M. *see* GREEN, CERI J. 155A
 MACLENNAN, PETER A. & EDWARDS, RICHARD H. T. Effects of treatment with 3,5,3'-triiodothyronine and clenbuterol on skeletal and cardiac muscle mass in the rat 165A
 MCNEILL, G., FOWLER, P. A., MAUGHAN, R. J., McGAW, B. A., GVOZDANOVIC, S., GVOZDANOVIC, D. & FULLER, M. F. Body fat in lean and obese women measured by six methods 23A
 McNURLAN, M. A. *see* HEYS, S. D. 101A
 McNURLAN, M. A. *see* MELVILLE, S. 102A
 McWILLIAMS, G., BURNS, H. J. G., FEARON, K. C. H., CARTER, K. & SHENKIN, A. The effect of a turpentine-induced inflammatory response or triple hormone infusion on energy expenditure in rats 70A
 MAMPEL, T. *see* GIRALT, M. 32A
 MAMPEL, T. *see* VIÑAS, O. 34A
 MANSELL, P. I. & MACDONALD, I. A. Starvation reduces the rate of oxidation but not the rate of storage of infused glucose 103A
 MANSELL, P. I. *see* GALLEN, I. W. 133A
 MARGETTS, B. M., CADE, J. E. & OSMOND, C. How comparable are the results of a food frequency questionnaire to a 24 h diet record? 125A
 MARKS, V. *see* HAMPTON, SHELagh M. 130A
 MARKS, V. *see* MORGAN, JANE B. 131A
 MARTENS, H. *see* BREVES, G. 163A
 MARTIN, I. *see* GIRALT, M. 32A
 MASCIE-TAYLOR, B. H. *see* PENN, N. D. 113A
 MATHERS, J. C. & FINLAYSON, HEATHER, J. Manipulation of rat caecal metabolism by including Avoparcin and pectin in the diet 139A
 MATHERS, J. C. & FOTSO TAGNY, J.-M. Diurnal variation in large bowel metabolism in rats given diets with and without wheat bran 52A
 MATHERS, J. C. *see* KEY, FIONA B. 47A
 MATHERS, J. C. *see* PEDROSO, LAURENTINA M. R. 54A
 MATHIAS, P. M. *see* O'SULLIVAN, K. R. 33A
 MATHIAS, P. M. *see* O'SULLIVAN, KATHRYN 135A
 MATTHEWMAN, R. W., MERRITT, J., SMITH, A. J., PHILLIPS, P. & OLDHAM, J. D. Effects of exercise on lactational performance in cattle 92A
 MAUGHAN, R. J., ROBERTSON, J. D. & BRUCE, A. C. Dietary energy and carbohydrate intakes of runners in relation to training load 170A
 MAUGHAN, R. J. *see* CLOUGH, P. J. 98A
 MAUGHAN, R. J. *see* LEIPER, J. B. 97A
 MAUGHAN, R. J. *see* LEIPER, J. B. 144A
 MAUGHAN, R. J. *see* MCBRINE, J. 171A
 MAUGHAN, R. J. *see* MCNEILL, G. 23A
 MAZDAI, G., HANNIGAN, B. M. & STRAIN, J. J. The effect of in vitro zinc deficiency on Zn and copper ion concentration and intracellular enzyme activity in Molt-3 cells 161A
 MEHTA, ANIL Animal models of metabolism in newborn infants 257-262
 MELVILLE, S., MCNURLAN, M. A. & GARLICK, P. J. Increased protein turnover with normal energy metabolism in response to feeding in patients with lung cancer 102A
 MENSEAH, PATIENCE, TOMKINS, A., DRASAR, B. & HARRISON, T. J. The influence of heat on the antimicrobial effect of fermented Ghanaian maize dough 138A
 MEPHAM, T. B. Questions of validity in mammary physiology: methodology and ethics 1-7
 MERCER, STEWART W. *see* TEDSTONE, ALISON E. 42A
 MERRITT, H. *see* CARLI, F. 53A
 MERRITT, H. *see* PACY, P. J. 51A
 MERRITT, J. *see* MATTHEWMAN, R. W. 92A
 MERRITT, JANE B. & PEARSON, R. ANNE Voluntary food intake and digestion of hay and straw diets by donkeys and ponies 169A
 MERRY, PETER, KIDD, BRUCE & BLAKE, DAVID Modification of rheumatic symptoms by diet and drugs 363-369
 MILLWARD, D. J. *see* JANAKAT, SANA M. 137A
 MILLWARD, D. J. *see* OMER, A. 62A
 MILNE, E. *see* HEYS, S. D. 101A
 MILNER, R. E. & TRAYHURN, P. Effects of cold exposure on mitochondrial GDP binding and uncoupling protein concentration in brown adipose tissue of lean and obese (*ob/ob*) mice 26A
 MILNER, R. E., TRAYHURN, P. & WANG, L. C. H. Thermogenic activity and capacity of brown adipose tissue during the seasonal hibernation cycle in Richardson's ground squirrel 10A

- MOLONEY, A. P. & ALLEN P. Growth and weights of abdominal and carcass fat in sheep immunized against adipose cell membranes 14A
- MORAN, B. J., PERSAUD, C. & JACKSON, A. A. Urea absorption by the functioning human colon 117A
- MORAN, B., PERSAUD, C. & JACKSON, A. A. Urinary excretion of 5-oxoproline in severe inflammatory illness 75A
- MORGAN, JANE B., HAMPTON, SHELagh M., SMITH, MARY R., MORRIS, RACHEL, LOVEGROVE, JULIE & MARKS, V. Circulating and secretory antibodies to specific food proteins in adults 131A
- MORGAN, JANE B. *see* HAMPTON, SHELagh M. 130A
- MORRIS, RACHEL *see* MORGAN, JANE B. 131A
- MORRISSEY, P. A. *see* BRENNAN, M. 39A
- MOSS, R. R. *see* RUSSELL, R. I. 115A
- MUNRO, C. S. *see* BALLA, H. G. 86A
- MUNRO, C. S. *see* SUTTLE, N. F. 87A
- MUNRO, R. E. C. *see* KINDLEN, A. S. 95A
- MURGATROYD, P. R. & COWARD, W. A. An improved method for measuring whole body fat and protein changes 126A
- MURGATROYD, P. R. *see* GOLDBERG, GAIL R. 129A
- MURGATROYD, P. R. *see* PRENTICE, A. M. 152A
- MURGATROYD, PETER R. *see* CEESAY, SANA M. 66A
- MURPHY, CHRISTINE, ARBUTHNOTT, ELINOR, A. & ANDREWS, J. F. Brown adipose tissue: structural changes related to nutritional status in the mouse 4A
- NEVILLE, SHEILA G. *see* BLAKEBOROUGH, PETER 146A
- NEVIN, G. B. *see* LIVINGSTONE, M. B. E. 21A
- NORTHROP, C. A., LUNN, P. G. & DOWNES, R. M. Cross-sectional study of intestinal permeability in infants from a Gambian village 84A
- NORTHROP, C. A. *see* ELIA, M. 80A
- NORTHROP, C. A. *see* LUNN, P. G. 82A
- NZEGWU, HELEN C., PEREIRA, M. M. C., YOUNG, A. & LEVIN, R. J. The effect of *Escherichia coli* enterotoxin StA on electrogenic secretion in the starved and undernourished rat colon 19A
- NZEGWU, HELEN C. *see* YOUNG, A. 17A
- NZEGWU, HELEN *see* YOUNG, A. 90A
- O'HANRAHAN, T., CHAMSI-PASHA, H., STOKES, M. A. & IRVING, M. H. Cardiac complications of total parenteral nutrition—the role of echocardiography 121A
- O'HARTE, F. P. M., BLANCHFLOWER, W. J. & RICE, D. A. Methylmalonic acid as an indicator of vitamin B₁₂ deficiency in lambs fed on a cereal-based diet 142A
- O'HARTE, F. P. M. *see* RICE, D. A. 141A
- OLDHAM, J. D. & FRIGGENS, N. C. Sources of variability in lactational performance 33–43
- OLDHAM, J. D. *see* MATTHEWMAN, R. W. 92A
- OMER, A., BATES, P. C., DONACHIE, P., GOSS-SAMPSON, M. A. & MILLWARD, D. J. Accelerated protein turnover during muscle wasting in the chronically vitamin-E-deficient rat 62A
- O'MORAIN, C. *see* O'SULLIVAN, KATHRYN 135A
- ØRSKOV, E. R. *see* CHEN, X. B. 88A
- OSMOND, C. *see* MARGETTS, B. M. 125A
- O'SULLIVAN, ELLEN *see* GREEN, CERI J. 155A
- O'SULLIVAN, K. R. & MATHIAS, P. M. Selenium content of commercial dietary products used in the Irish Republic 33A
- O'SULLIVAN, KATHRYN, MATHIAS, P. M., TOBIN, A. & O'MORAIN, C. Blood antioxidants, cholesterol and colorectal cancer in Ireland: preliminary results 135A
- PACY, P. J., FORD, G. C., MERRITT, H. & HALLEDAY, D. Effect of insulin on whole-body leucine kinetics in post-absorptive, non-insulin dependent (type 2) diabetic patients 51A
- PARKER, D. S. *see* SEAL, C. J. 143A
- PARKER, E. R., RITCHIE, N. S. & HEMINGWAY, R. G. Dietary availability and rumen solubility of calcined magnesite sources 7A
- PARKER, E. R. *see* HEMINGWAY, R. G. 9A
- PARKINS, J. J. *see* LAWSON, D. C. 89A
- PARR, N. *see* GREEN, CERI J. 43A
- PARRY, W. H. *see* RAO, S. R. R. 13A
- PARTRIDGE, G. G. Nutrition of farmed rabbits 93–101
- PAYNE-JAMES, J. *see* SILK, D. B. A. 355–361
- PEACHY, T., GORE, M. & YORK, D. A. Studies on the purine nucleotide binding site of the uncoupling protein of brown adipose tissue mitochondria 22A
- PEAKER, M. Evolutionary strategies in lactation: nutritional implications 53–57
- PEARSON, M. *see* CARLI, F. 53A
- PEARSON, R. ANNE *see* MERRITT, JANE B. 169A
- PEDRICK, M. S., TURTON, J. A. & HICKS, R. M. No effect of β-carotene on the incidence of bladder cancer in N-butyl-N-(4-hydroxybutyl)-nitrosamine treated rats 136A
- PEDROSO, LAURENTINA M. R., FINLAYSON, HEATHER J. & MATHERS, J. C. Effects of dietary wheat bran on activities of key enzymes of lipid and carbohydrate metabolism in rat liver 54A
- PELL, J. M., GILL, M., BEEVER, D. E., JONES, A. R. & CAMMELL, S. B. Hormone and nutrient interaction in the control of growth: role of growth hormone and insulin-like growth factor-1 83A
- PENN, N. D., PURKINS, L., KELLEHER, J., HEATLEY, R. V. & MASCIE-TAYLOR, B. H. Does subclinical vitamin deficiency predispose to infection? 113A
- PEREIRA, M. M. C., LEVIN, R. J. & YOUNG, A. The effect of acute undernutrition on rat jejunal and ileal secretion *in vitro* 78A
- PEREIRA, M. M. C. *see* NZEGWU, HELEN C. 19A
- PEREIRA, M. M. C. *see* YOUNG, A. 17A
- PERSAUD, C. *see* DOHERTY, T. 55A
- PERSAUD, C. *see* MORAN, B. 75A

- PERSAUD, C. *see* MORAN, B. J. 117A
 PFEFFER, E. *see* BREVES, G. 163A
 PHILLIPS, G. & KELLY, F. J. Extracellular proteolytic activity of hyperoxic-exposed preterm guinea-pigs 81A
 PHILLIPS, G. *see* KELLY, F. J. 60A
 PHILLIPS, P. *see* MATTHEWMAN, R. W. 92A
 PHOENIX, JOANNE, EDWARDS, R. H. T. & JACKSON, M. J. Effects of vitamin E on prostaglandin E₂ production from skeletal muscle 166A
 POSKITT, E. M. E. *see* JACKSON, M. 156A
 PRENTICE, A. M., LEAVESLEY, KAY, MURGATROYD, P. R., COWARD, W. A., SCHORAH, C. J., BLAYDON, P. & HULLIN, R. P. Failure to detect hypermetabolism in elderly mental patients suffering acute wasting 152A
 PRENTICE, A. M. *see* GOLDBERG, GAIL R. 129A
 PRENTICE, A. M. *see* LIVINGSTONE, M. B. E. 21A
 PRENTICE, ANDREW M. *see* CEESAY, SANA M. 66A
 PULLICINO, E. & ELIA, M. Energy metabolism and fuel selection during high-energy feeding: a case study 77A
 PURKINS, L. *see* PENN, N. D. 113A
- QUINN, G. & FLYNN, A. Effect of physiological ligands on zinc uptake by syncytiotrophoblast microvillous plasma membrane vesicles from human placenta 37A
- RAMACHANDRA, V. *see* CARLI, F. 53A
 RAO, S. R. R. & PARRY, W. H. Effects of dietary changes in zinc and copper levels on rabbit liver metallothionein-like protein 13A
 RATCLIFFE, B. *see* GOODLAD, R. A. 140A
 READ, M. *see* CARLI, F. 53A
 READ, N. W. *see* SEPPEL, C. P. 106A
 REGAN, CATHY J. *see* GREEN, CERI J. 155A
 REID, NORMA G. *see* BARKER, MARGO E. 31A
 REID, NORMA G. *see* STRAIN, J. J. 27A
 REID, NORMA G. *see* STRAIN, J. J. 65A
 RENNIE, J., SARAH & WHITEHEAD, C. C. Histidine oxidation in folate-deficient chicks 91A
 RENNIE, M. J. *see* BENNETT, W. M. 100A
 RICE, D. A., O'HARTE, F. P. M., BLANCHFLOWER, W. J. & KENNEDY, D. G. Methylmalonic acid in the rumen of cobalt-deficient sheep and its effect on plasma methylmalonic acid 141A
 RICE, D. A. *see* CARVILLE, D. G. M. 35A
 RICE, D. A. *see* O'HARTE, F. P. M. 142A
 RICH, A. J., CHAMBERS, PAULINE & JOHNSTON, I. D. A. Are ketone bodies an appetite suppressant? 105A
 RICQUIER, D. *see* CHAMPIGNY, ODETTE 24A
 RICQUIER, D. *see* WEISINGER, H. 44A
 RICQUIER, DANIEL Molecular biology of brown adipose tissue 183-187
 RITCHIE, N. S. *see* HEMINGWAY, R. G. 9A
 RITCHIE, N. S. *see* LAWSON, D. C. 89A
 RITCHIE, N. S. *see* PARKER, E. R. 7A
 RIVERS, J. P. W. *see* JANAKAT, SANA M. 137A
 ROBERTSON, J. D. *see* MAUGHAN, R. J. 170A
 ROGERS, PAMELA *see* CRUICKSHANK, ANNE M. 114A
- ROLLS, BRIAN A. *see* BLAKEBOROUGH, PETER 146A
 ROTHWELL, N. J. *see* BUSBRIDGE, N. J. 48A
 ROTHWELL, N. J. *see* CARNIE, J. A. 148A
 ROTHWELL, N. J. *see* CHOO, J. J. 149A
 ROTHWELL, NANCY J. Central control of brown adipose tissue 197-206
 ROTHWELL, NANCY J. *see* ARNOLD, J. 16A
 ROTHWELL, NANCY J. *see* LATHAM, ANN 38A
 RUSSELL, R. I., DUNCAN, A., MOSS, R. R., FARAH, D. A. & WYATT, J. C. The effects of fibre and phytate on zinc absorption in normal subjects 115A
- SANDERSON, MARGARET *see* DOYLE, WENDY 46A
 SARGINSON, R. *see* GREEN, CERI J. 43A
 SARKER, A. *see* SEAL, C. J. 143A
 SAVORY, C. J. The importance of invertebrate food to chicks of gallinaceous species 113-133
 SCHORAH, C. J. *see* PRENTICE, A. M. 152A
 SCOTT, N. A., STOKES, M. A. & IRVING, M. H. The value of home parenteral nutrition in Crohn's disease 120A
 SCOTT, N. A., STOKES, M. A. & IRVING, M. H. When, why and which home parenteral nutrition patients die? 119A
 SCOTT, N. *see* ARNOLD, J. 72A
 SCOTT, WENDY *see* CEESAY, SANA M. 66A
 SEAL, C. J., SARKER, A. & PARKER, D. S. Rumen propionate production rate and absorption of fermentation end-products into the portal vein of forage and forage-concentrate fed cattle 143A
 SEPPEL, C. P. & READ, N. W. The effect of prefeeding lipid on energy intake from a meal 106A
 SERIES, J. J. *see* SHENKIN, A. 111A
 SHAFFER, J. L., CHAMSI-PASHA, H., STOKES, M. A., SHENKIN, A., HOLBROOK, I. & IRVING, M. H. How can selenium deficiency be detected in patients on home parenteral nutrition? 122A
 SHANNON, LORNA E. *see* HAMPTON, SHELAGH M. 130A
 SHARMAN, IVAN M. Obituary notice, Ethel Cruickshank (14 November 1898-17 January 1989) 153-154
 SHENKIN, A., FRASER, W. D., SERIES, J. J., WINSTANLEY, P., McCARTNEY, C., BURNS, H. J. G. & VAN DAMME, J. The plasma interleukin-6, interleukin-1 and tumour necrosis factor response to elective surgery 111A
 SHENKIN, A. *see* McWILLIAMS, G. 70A
 SHENKIN, A. *see* SHAFFER, J. L. 122A
 SHENKIN, ALAN *see* CRUICKSHANK, ANNE M. 114A
 SHIPLEY, K. *see* ARNOLD, J. 72A
 SILK, D. B. A. & PAYNE-JAMES, J. Inflammatory bowel disease: nutritional implications and treatment 355-361
 SMALES, CAROLINE *see* BLAKEBOROUGH, PETER 146A
 SMITH, A. J. *see* MATTHEWMAN, R. W. 92A
 SMITH, K. *see* BENNETT, W. M. 100A
 SMITH, MARY R. *see* MORGAN, JANE B. 131A

- SNOW, DAVID H. & HARRIS, ROGER C. The use of conventional and unconventional supplements in the thoroughbred horse 135–139
- SODHA, NIDISH *see* THOMAS, ANITA J. 67A
- SOSA, R. *see* LAWRENCE, P. R. 154A
- SOUHAMIS, R. L. *see* WOODWARD, C. J. H. 49A
- SPENCER, NICOLA *see* JONES, T. W. G. 36A
- SPURR, G. B. *see* CEESAY, SANA M. 66A
- STANSFIELD, MAUREEN *see* THOMAS, ANITA J. 67A
- STEVENSON, MARY H. Nutrition of domestic geese 103–111
- STEWART, C. S. *see* DOMINGUEZ-BELLO, M. GLORIA 168A
- STOCK, MICHAEL J. Effects of moderate and rapid weight loss on body composition in obese (*faf/faf*) Zucker rats 28A
- STOCK, MICHAEL J. The role of brown adipose tissue in diet-induced thermogenesis 189–196
- STOCK, S. E., CLAGUE, M. B. & JOHNSTON, I. D. A. The effects of metabolic consequences of surgery on post-operative mobility 109A
- STOKES, M. A. *see* O'HANRAHAN, T. 121A
- STOKES, M. A. *see* SCOTT, N. A. 119A
- STOKES, M. A. *see* SCOTT, N. A. 120A
- STOKES, M. A. *see* SHAFFER, J. L. 122A
- STRAIN, J. J., BARKER, MARGO E., THOMPSON, KATE A., MCKENNA, P. G., WILLIAMSON, A. P., WRIGHT, MARION E., McCLEAN, SALLY I. & REID, NORMA G. Estimates of iron status in the Northern Ireland population 65A
- STRAIN, J. J., BARKER, MARGO E., THOMPSON, KATE A., WRIGHT, MARION E., McCLEAN, SALLY I., MCKENNA, P. G., REID, NORMA G. & WILLIAMSON, A. P. Folic acid and vitamin B₁₂ status of a sample of the Northern Ireland population 27A
- STRAIN, J. J. *see* BARKER, MARGO E. 31A
- STRAIN, J. J. *see* BRISTOW, HEATHER E. 157A
- STRAIN, J. J. *see* BROWN, J. C. W. 160A
- STRAIN, J. J. *see* CARVILLE, D. G. M. 35A
- STRAIN, J. J. *see* LIVINGSTONE, M. B. E. 21A
- STRAIN, J. J. *see* LIVINGSTONE, M. B. E. 68A
- STRAIN, J. J. *see* LYNCH, S. M. 11A
- STRAIN, J. J. *see* MAZDAI, G. 161A
- STRICKLAND, S. S. *see* ULIJASZEK, S. J. 128A
- SUTTLE, N. F., BREBNER, J., MUNRO, C. S. & HERBERT, E. Towards an optimum oral dose of cobalt in anthelmintics in lambs 87A
- SUTTLE, N. F., KNOX, D. P., ANGUS, K. W., JACKSON, F. & COOP, R. L. Dietary molybdenum may enhance the inflammatory reaction to and hence rejection of gut nematodes in lambs 71A
- SUTTLE, N. F. *see* BALLA, H. G. 86A
- SWAMINATHAN, R. *see* CHAN, ELLEN 20A
- SYMONDS, H. W. & CORLETT, S. C. Enhancement of biliary copper excretion in sheep 158A
- SYMONDS, H. W. *see* CORLETT, S. C. 159A
- TAKTAK, Y. S., THOMPSON, D., EVANS, S. W., GRANT, A. M. & WHICHER, J. T. Cytokine regulation of acute-phase protein synthesis by human hepatocytes 110A
- TARLOW, M. J. *see* CHARLTON, C. P. J. 116A
- TEDSTONE, ALISON E., MERCER, STEWART W. & WILLIAMSON, DERMOT H. Polymyxin B suppresses the stimulation of lipogenesis in brown adipose tissue of rats after an oral load of glucose 42A
- THOMAS, A. J. *see* BUNKER, V. W. 59A
- THOMAS, ANITA J., BUNKER, VALDA W., LAWSON, MARGARET, STANSFIELD, MAUREEN, SODHA, NIDISH & CLAYTON, BARBARA E. The iron status of healthy, housebound, and hospitalized elderly women 67A
- THOMPSON, D. *see* TAKTAK, Y. S. 110A
- THOMPSON, KATE A. *see* BARKER, MARGO E. 31A
- THOMPSON, KATE A. *see* BARKER, MARGO E. 74A
- THOMPSON, KATE A. *see* STRAIN, J. J. 27A
- THOMPSON, KATE A. *see* STRAIN, J. J. 65A
- THOMPSON, R. P. H. *see* TURNBULL, A. J. 145A
- TOBIN, A. *see* O'SULLIVAN, KATHRYN 135A
- TOMKINS, A. *see* MENSAH, PATIENCE 138A
- TRAYHURN, P. *see* MILNER, R. E. 10A
- TRAYHURN, P. *see* MILNER, R. E. 26A
- TRAYHURN, P. *see* YOUNGER, K. M. 12A
- TRAYHURN, PAUL Brown adipose tissue and nutritional energetics—where are we now? 165–175
- TURNBULL, A. J., BLAKEBOROUGH, P. & THOMPSON, R. P. H. The effects of dietary ligands and zinc uptake by brush-border-membrane vesicles 145A
- TURTON, J. A. *see* PEDRICK, M. S. 136A
- ULIJASZEK, S. J. & STRICKLAND, S. S. Physique and basal metabolic rate of Gurkha soldiers serving in Britain 128A
- UNDERHILL, S. *see* GREEN, CERI J. 155A
- VAN DAMME, J. *see* SHENKIN, A. 111A
- VERDRENNE, P. *see* GRIFFITHS, T. W. 5A
- VERNON, R. G. Endocrine control of metabolic adaptation during lactation 23–32
- VIAU, MICHELE *see* GRIFFITHS, T. W. 5A
- VILLARROYA, F. *see* GIRALT, M. 32A
- VILLARROYA, F. *see* VIÑAS, O. 34A
- VIÑAS, O., CASTEILLA, L., GIRALT, M., MAMPEL, T., IGLESIAS, R. & VILLARROYA, F. Bovine brown adipose tissue iodothyronine 5'-deiodinase activity during development 34A
- VIÑAS, O. *see* GIRALT, M. 32A
- WAN, JENNIFER M.-F., HAW, MARCUS P. & BLACKBURN, GEORGE L. Nutrition, immune function and inflammation: an overview 315–335
- WANG, L. C. H. *see* MILNER, R. E. 10A
- WARING, J. J. *see* FORD, C. 30A
- WEIR, D. G. *see* BRADY, CATRIONA 41A
- WEISINGER, H., KLAUS, S., CHAMPIGNY, O., RICQUIER, D. & HELDMAIER, G. Activation of non-shivering thermogenesis, brown adipose tissue respiration and uncoupling protein by short daily cold exposure 44A
- WELCH, R. W. *see* BRISTOW, HEATHER E. 157A
- WELCH, R. W. *see* CARVILLE, D. G. M. 35A
- WELCHEW, E. *see* ZEIDERMAN, M. R. 108A
- WERNERMAN, J. *see* HEYS, S. D. 101A

- WHEATLEY, S. D., BRYANT, M. J. & LOMAX, M. A. Effect of maintenance feeding and compensatory growth on hind-limb muscle protein metabolism of lambs during subsequent refeeding 63A
- WHICHER, J. T. *see* TAKTAK, Y. S. 110A
- WHITEHEAD, C. C. *see* RENNIE, J. SARAH 91A
- WHITEHEAD, R. G. *see* LIVINGSTONE, M. B. E. 21A
- WHYTE, C. C. *see* CHEN, X. B. 88A
- WILKES, R. G. *see* GREEN, CERI J. 73A
- WILLIAMSON, A. P. *see* BARKER, MARGO E. 31A
- WILLIAMSON, A. P. *see* STRAIN, J. J. 27A
- WILLIAMSON, A. P. *see* STRAIN, J. J. 65A
- WILLIAMSON, D. H. *see* EVANS, R. D. 61A
- WILLIAMSON, DERMOT H. *see* TEDSTONE, ALISON E. 42A
- WINSTANLEY, P. *see* SHENKIN, A. 111A
- WONG, WILLIAM W. *see* BUTTE, NANCY F. 303-312
- WOODS, ROBERTA *see* BARKER, MARGO E. 74A
- WOODWARD, C. J. H., EMERY, P. W. & SOUHAMIS, R. L. Whole-body protein turnover and skeletal muscle protein synthesis in small-cell lung cancer patients of normal weight 49A
- WOOTTON, S. A., BEHN, ALISON & ELLIS, JEANETTE Faecal energy, fat and nitrogen losses in patients with cystic fibrosis using pancreatic replacement therapy 57A
- WOOTTON, S. A. *see* LEVY, L. B. 167A
- WRIGHT, MARION E. *see* BARKER, MARGO E. 31A
- WRIGHT, MARION E. *see* STRAIN, J. J. 27A
- WRIGHT, MARION E. *see* STRAIN, J. J. 65A
- WRIGHT, N. A. *see* GOODLAD, R. A. 140A
- WUSTEMAN, M., JENNINGS, G. & ELIA, M. An animal model of injury: the value of turpentine injections for studying the acute phase changes in tissue protein metabolism 79A
- WYATT, J. C. *see* RUSSELL, R. I. 115A
- WYNN, A. H. A. *see* DOYLE, WENDY 46A
- YAHYA, Z. A. *see* JANAKAT, SANA M. 137A
- YORK, D. A. *see* HOLT, S. J. 50A
- YORK, D. A. *see* PEACHY, T. 22A
- YORK, DAVID A. Corticosteroid inhibition of thermogenesis in obese animals 231-235
- YOUNG, A., EDWARDS, ALISON J., LEVIN, R. J., NZEGWU, HELEN C. & PEREIRA, M. M. C. Electrogenic ion secretion in the small intestine of the pseudo-germ-free rat 17A
- YOUNG, A., NZEGWU, HELEN & LEVIN, R. J. Secretion in the colon of the pseudo-germ-free rat 90A
- YOUNG, A. *see* NZEGWU, HELEN C. 19A
- YOUNG, A. *see* PEREIRA, M. M. C. 78A
- YOUNG, P. *see* CARVILLE, D. G. M. 35A
- YOUNGER, K. M. & TRAYHURN, P. The effect of overfeeding following cold-acclimation on energy balance and brown adipose tissue thermogenesis in mice 12A
- ZEIDERMAN, M. R., WELCHEW, E. & CLARK, R. G. The influence of epidural analgesia on post-operative fatigue 108A