

## Index of Authors

- ADRON J.W. *see* WALTON M.J., COWEY C.B. & ADRON J.W. The effect of dietary lysine levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 115
- ALMOND D.J., KING R.F.G.J., BURKINSHAW L., OXBY C.B. & MCMAHON M.J. Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition. 215
- ARRICASTRES C. *see* SIDDONNS R.C., ARRICASTRES C., GALE D.L. & BEEVER D.E. The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. 391
- ASHES John R., MANGAN Jim L. & SIDHU Gurcharn S. Nutritional availability of amino acids from protein cross-linked to protect against degradation in the rumen. 239
- ASO H. *see* SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep. 351
- AUESTAD N.S. *see* SMART J.L., STEPHENS D.N., TONKISS J., AUESTAD N.S. & EDMOND J. Growth and development of rats artificially reared on different milk-substitutes. 227
- BANGMA G.A. *see* VAN BRUCHEM J., VAN DER LENDE T., DE SWART J.G. & BANGMA G.A. Abomasal emptying in sheep as related to the amount of protein entering the abomasum. 123
- BEEVER D.E. *see* SIDDONNS R.C., ARRICASTRES C., GALE D.L. & BEEVER D.E. The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. 391
- BEEVER D.E. *see* GILL Margaret, THORNLEY J.H.M., BLACK J.L., OLDHAM J.D. & BEEVER D.E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep. 621
- BENGTSSON S. Gösta *see* HAKKARAINEN R.V. Juhani, TYÖPPÖNEN Jouko T., HASSAN Saifeldin, BENGTSSON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley. 335
- BIRD S.H. & LENG R.A. Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep. 607
- BLACK J.L. *see* GILL Margaret, THORNLEY J.H.M., BLACK J.L., OLDHAM J.D. & BEEVER D.E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep. 621
- BLACKBURN N.A., HOLGATE A.M. & READ N.W. Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area? 197
- BOLWERK Eric *see* SWANSON Heidi H., BOLWERK Eric & BRENNER Eli Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. 139
- BRADBURY J. Howard, COLLINS J. Grant & PYLIOTIS N.A. Digestibility of proteins of the histological components of cooked and raw rice. 507
- BRENNER Eli *see* SWANSON Heidi H., BOLWERK Eric & BRENNER Eli Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation. 139
- BROADHURST R.B. *see* HARRIS Patricia M., HODGSON Diane F. & BROADHURST R.B. Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition. 289
- BROADHURST R.B. *see* HARRIS Patricia M., BROADHURST R.B. & HODGSON Diane F. Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition. 307
- BRUCE L.A. *see* WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethylphosphonic acid and <sup>35</sup>S as markers. 249
- BRUCE L.A. *see* WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions. 261
- BUCHAN W. *see* MCLEAN A.F., BUCHAN W. & SCOTT D. Magnesium absorption in mature ewes infused intrarumenally with magnesium chloride. 523

BURKINSHAW L. <i>see</i> ALMOND D.J., KING R.F.G.J., BURKINSHAW L., OXBYP C.B. & McMAHON M.J. Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition.	215
BUTTERY P.J. <i>see</i> MARTINEZ J.A., BUTTERY P.J. & PEARSON J.T. The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat.	515
CARTER R.D. <i>see</i> LOPEZ-ESPINOZA I., HOWARD-WILLIAMS J., MANN J.I., CARTER R.D. & HOCKADAY T.D.R. Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice.	41
CASEY Clare E. & HAMBIDGE K. Michael Chromium in human milk from American mothers.	73
CHESSON A. <i>see</i> MILLARD P. & CHESSON A. Modifications to swede ( <i>Brassica napus</i> L.) anterior to the terminal ileum of pigs: some implications for the analysis of dietary fibre.	583
COLLINS J. Grant <i>see</i> BRADBURY J. Howard, COLLINS J. Grant & PYLIOTIS N.A. Digestibility of proteins of the histological components of cooked and raw rice.	507
COWEY C.B. <i>see</i> WALTON M.J., COWEY C.B. & ADRON J.W. The effect of dietary lysine levels on growth and metabolism of rainbow trout ( <i>Salmo gairdneri</i> ).	115
DALLOSSO Helen M. & JAMES W.P.T. Whole-body calorimetry studies in adult men. 1. The effect of fat over-feeding on 24 h energy expenditure.	49
DALLOSSO Helen M. & JAMES W.P.T. Whole-body calorimetry studies in adult men. 2. The interaction of exercise and over-feeding on the thermic effect of a meal.	65
DE SWART J.G. <i>see</i> VAN BRUCHEM J., VAN DER LENDE T., DE SWART J.G. & BANGMA G.A. Abomasal emptying in sheep as related to the amount of protein entering the abomasum.	123
DEURENBERG P. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
DHUYVETTER J. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
DUÉE Pierre-Henri <i>see</i> PÉGORIER Jean-Paul, DUÉE Pierre-Henri, NUNES Carlos Simoes, PERET Jean & GIRARD J. Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs.	277
DULLOO A.G. & MILLER D.S. Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models.	179
EADIE J. Margaret <i>see</i> WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethylphosphonic acid and <sup>35</sup> S as markers.	249
EADIE J. Margaret <i>see</i> WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions.	261
EATON P.M., WHARTON P.A. & WHARTON B.A. Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham.	457
EATON P.M. <i>see</i> WHARTON P.A., EATON P.M. & WHARTON B.A. Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham.	469
EDMOND J. <i>see</i> SMART J.L., STEPHENS D.N., TONKISS J., AUESTAD N.S. & EDMOND J. Growth and development of rats artificially reared on different milk-substitutes.	227
FAIRWEATHER-TAIT Susan J., PAYNE Viv & WILLIAMS Christine M. The effect of iron supplements on pregnancy in rats given a low-zinc diet.	79
FAIRWEATHER-TAIT Susan J., WRIGHT A.J.A. & WILLIAMS Christine M. Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet.	205
FATTET I., HOVELL F.D. DeB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561
GALE D.L. <i>see</i> SIDDONNS R.C., ARRICASTRES C., GALE D.L. & BEEVER D.E. The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep.	391
GEE J.M. <i>see</i> JOHNSON I.T., GEE J.M. & MAHONEY R.R. Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat.	477

GEE Jennifer M. <i>see</i> SOUTHON Susan, GEE Jennifer M. & JOHNSON I.T. Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat.	371
GILL Margaret, THORNLEY J.H.M., BLACK J.L., OLDHAM J.D. & BEEVER D.E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep.	621
GIRARD J. <i>see</i> PÉGORIER Jean-Paul, DUÉE Pierre-Henri, NUNES Carlos Simoes, PERET Jean & GIRARD J. Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs.	277
GIUGLIANO R. & MILLWARD D.J. Growth and zinc homeostasis in the severely Zn-deficient rat.	545
GOSWAMI Umesh C. Metabolism of cryptoxanthin in freshwater fish.	575
GUNSTONE Frank D. <i>see</i> KEMP Patrick, LANDER David J. & GUNSTONE Frank D. The hydrogenation of some <i>cis</i> - and <i>trans</i> -octadecenoic acids to stearic acid by a rumen <i>Fusocillus</i> sp.	165
HAGINO A. <i>see</i> SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep.	351
HAKKARAINEN R.V. Juhani, TYÖPPÖNEN Jouko T., HASSAN Saifeldin, BENGTSOON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley.	335
HALEVY Orna <i>see</i> SKLAN D. & HALEVY Orna Vitamin A metabolism in chick liver: some properties of the cytosolic lipid-protein aggregate.	107
HAMBIDGE K. Michael <i>see</i> CASEY Clare E. & HAMBIDGE K. Michael Chromium in human milk from American mothers.	73
HAQUE Md. Emdadul <i>see</i> KHAN Moslem Uddin, HAQUE Md. Emdadul & KHAN Matiar Rahman Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh.	1
HARGROVE Diane M., ROGERS Quinton R. & MORRIS James G. Leucine and isoleucine requirements of the kitten.	595
HARRIS Patricia M., HODGSON Diane F. & BROADHURST R.B. Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition.	289
HARRIS Patricia M., BROADHURST R.B. & HODGSON Diane F. Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition.	307
HARTMANN P.E. <i>see</i> SAINT L., SMITH Margaret & HARTMANN P.E. The yield and nutrient content of colostrum and milk of women from giving birth to 1 month post-partum.	87
HASSAN Saifeldin <i>see</i> HAKKARAINEN R.V. Juhani, TYÖPPÖNEN Jouko T., HASSAN Saifeldin, BENGTSOON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley.	335
HATFIELD G.M., JOYCE Jenny, JEACOCK Marjorie K. & SHEPHERD D.A.L. The irreversible loss of alanine and of glycine in fetal and sucking lambs.	529
HAUTVAST J.G.A.J. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
HAZLEWOOD G.P. <i>see</i> KENNEDY P.M., HAZLEWOOD G.P. & MILLIGAN L.P. A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep.	403
HERZBERG G.R. & ROGERSON Minda Hepatic lipogenesis in young rats given proteins of different quality.	131
HIKOSAKA K. <i>see</i> SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep.	351
HILL R. <i>see</i> LEE Pauline A., PITTAM Sharon & HILL R. The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal.	159
HOCKADAY T.D.R. <i>see</i> LOPEZ-ESPINOZA I., HOWARD-WILLIAMS J., MANN J.I., CARTER R.D. & HOCKADAY T.D.R. Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice.	41
HODGSON Diane F. <i>see</i> HARRIS Patricia M., HODGSON Diane F. & BROADHURST R.B. Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition.	289
HODGSON Diane F. <i>see</i> HARRIS Patricia M., BROADHURST R.B. & HODGSON Diane F. Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition.	307

HOLGATE A.M. <i>see</i> BLACKBURN N.A., HOLGATE A.M. & READ N.W. Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area?	197
HOLMAN R.T. <i>see</i> KEMP Patrick, LANDER David J. & HOLMAN R.T. The hydrogenation of the series of methylene-interrupted <i>cis,cis</i> -octadecadienoic acids by pure cultures of six rumen bacteria.	171
HOVELL F.D. DeB. <i>see</i> FATTET I., HOVELL F.D. DeB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561
HOWARD-WILLIAMS J. <i>see</i> LOPEZ-ESPINOZA I., HOWARD-WILLIAMS J., MANN J.I., CARTER R.D. & HOCKADAY T.D.R. Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice.	41
HULL D. & VINTER J. The development of cold-induced thermogenesis and the structure of brown adipocyte mitochondria in genetically-obese ( <i>ob/ob</i> ) mice.	33
HYNES Miriam, LAMAND M., MONTEL G. & MASON J. Some studies on the metabolism and the effects of <sup>99</sup> Mo- and <sup>35</sup> S-labelled thiomolybdates after intravenous infusion in sheep.	149
JAMES W.P.T. <i>see</i> DALLOSSO Helen M. & JAMES W.P.T. Whole-body calorimetry studies in adult men. 1. The effect of fat over-feeding on 24 h energy expenditure.	49
JAMES W.P.T. <i>see</i> DALLOSSO Helen M. & JAMES W.P.T. Whole-body calorimetry studies in adult men. 2. The interaction of exercise and over-feeding on the thermic effect of a meal.	65
JANGHORBANI Morteza <i>see</i> KASPER Lynda J., YOUNG Vernon R. & JANGHORBANI Morteza Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope <sup>74</sup> SeO <sub>3</sub> <sup>2-</sup> .	443
JEACOCK Marjorie K. <i>see</i> HATFIELD G.M., JOYCE Jenny, JEACOCK Marjorie K. & SHEPHERD D.A.L. The irreversible loss of alanine and of glycine in fetal and sucking lambs.	529
JOHNSON I.T. <i>see</i> SOUTHON Susan, GEE Jennifer M. & JOHNSON I.T. Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat.	371
JOHNSON I.T., GEE J.M. & MAHONEY R.R. Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat.	477
JONES J.R. <i>see</i> MOSELEY G. & JONES J.R. The physical digestion of perennial ryegrass ( <i>Lolium perenne</i> ) and white clover ( <i>Trifolium repens</i> ) in the foregut of sheep.	381
JÖNSSON S.R. Lennart <i>see</i> HAKKARAINEN R.V. Juhani, TYÖPÖNEN Jouko T., HASSAN Saifeldin, BENGTSOON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley.	335
JOYCE Jenny <i>see</i> HATFIELD G.M., JOYCE Jenny, JEACOCK Marjorie K. & SHEPHERD D.A.L. The irreversible loss of alanine and of glycine in fetal and sucking lambs.	529
KASPER Lynda J., YOUNG Vernon R. & JANGHORBANI Morteza Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope <sup>74</sup> SeO <sub>3</sub> <sup>2-</sup> .	443
KEMP Patrick, LANDER David J. & GUNSTONE Frank D. The hydrogenation of some <i>cis</i> - and <i>trans</i> -octadecenoic acids to stearic acid by a rumen <i>Fusocillus</i> sp.	165
KEMP Patrick, LANDER David J. & HOLMAN R.T. The hydrogenation of the series of methylene-interrupted <i>cis,cis</i> -octadecadienoic acids by pure cultures of six rumen bacteria.	171
KENNEDY P.M., HAZLEWOOD G.P. & MILLIGAN L.P. A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep.	403
KHAN Matiar Rahman <i>see</i> KHAN Moslem Uddin, HAQUE Md. Emdadul & KHAN Matiar Rahman Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh.	1
KHAN Moslem Uddin, HAQUE Md. Emdadul & KHAN Matiar Rahman Nutritional ocular diseases and their association with diarrhoea in Matlab, Bangladesh.	1
KING R.F.G.J. <i>see</i> ALMOND D.J., KING R.F.G.J., BURKINSHAW L., OXBY C.B. & McMAHON M.J. Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition.	215
KÖNIG Barbara A., OLDHAM J.D. & PARKER D.S. The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation.	319
KRISHNAMURTI C.R. <i>see</i> SCHAEFER A.L. & KRISHNAMURTI C.R. Whole body and tissue fractional protein synthesis in the ovine fetus <i>in utero</i> .	359
KROTKIEWSKI Marcin Effect of guar gum on body-weight, hunger ratings and metabolism in obese subjects.	97
KYLE D.J. <i>see</i> FATTET I., HOVELL F.D. DeB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561

LAMAND M. <i>see</i> HYNES Miriam, LAMAND M., MONTEL G. & MASON J. Some studies on the metabolism and the effects of <sup>99</sup> Mo- and <sup>35</sup> S-labelled thiomolybdates after intravenous infusion in sheep.	149
LANDER David J. <i>see</i> KEMP Patrick, LANDER David J. & GUNSTONE Frank D. The hydrogenation of some <i>cis</i> - and <i>trans</i> -octadecenoic acids to stearic acid by a rumen <i>Fusocillus</i> sp.	165
LANDER David J. <i>see</i> KEMP Patrick, LANDER David J. & HOLMAN R.T. The hydrogenation of the series of methylene-interrupted <i>cis,cis</i> -octadecadienoic acids by pure cultures of six rumen bacteria.	171
LEE Pauline A., PITTAM Sharon & HILL R. The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal.	159
LENG R.A. <i>see</i> BIRD S.H. & LENG R.A. Further studies on the effects of the presence or absence of protozoa in the rumen on live-weight gain and wool growth of sheep.	607
LINDAHL Olov, LINDWALL Lars, SPÅNGBERG Alf, STENRAM Åke & ÖCKERMAN Per Arne A vegan regimen with reduced medication in the treatment of hypertension.	11
LINDBERG Paul O. <i>see</i> HAKKARAINEN R.V. Juhani, TYÖPÖNEN Jouko T., HASSAN Saifeldin, BENGSSON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley.	335
LINDWALL Lars <i>see</i> LINDAHL Olov, LINDWALL Lars, SPÅNGBERG Alf, STENRAM Åke & ÖCKERMAN Per Arne A vegan regimen with reduced medication in the treatment of hypertension.	11
LOPEZ-ESPINOZA I., HOWARD-WILLIAMS J., MANN J.I., CARTER R.D. & HOCKADAY T.D.R. Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice.	41
LOW A.G. <i>see</i> RAINBIRD Anna L., LOW A.G. & ZEBROWSKA Teresa Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs.	489
LOW A.G. & RAINBIRD Anna L. Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs.	499
MCLEAN A.F., BUCHAN W. & SCOTT D. Magnesium absorption in mature ewes infused intrarumenally with magnesium chloride.	523
MCMAHON M.J. <i>see</i> ALMOND D.J., KING R.F.G.J., BURKINSHAW L., OXBYP C.B. & MCMAHON M.J. Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition.	215
MAHONEY R.R. <i>see</i> JOHNSON I.T., GEE J.M. & MAHONEY R.R. Effect of dietary supplements of guar gum and cellulose on intestinal cell proliferation, enzyme levels and sugar transport in the rat.	477
MANGAN Jim L. <i>see</i> ASHES John R., MANGAN Jim L. & SIDHU Gurcharn S. Nutritional availability of amino acids from protein cross-linked to protect against degradation in the rumen.	239
MANN J.I. <i>see</i> LOPEZ-ESPINOZA I., HOWARD-WILLIAMS J., MANN J.I., CARTER R.D. & HOCKADAY T.D.R. Fatty acid composition of platelet phospholipids in non-insulin-dependent diabetics randomized for dietary advice.	41
MARTINEZ J.A., BUTTERY P.J. & PEARSON J.T. The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat.	515
MARTY Josette <i>see</i> VERNAY Michele, MARTY Josette & MOATTI Jean-Pierre Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone.	419
MASON J. <i>see</i> HYNES Miriam, LAMAND M., MONTEL G. & MASON J. Some studies on the metabolism and the effects of <sup>99</sup> Mo- and <sup>35</sup> S-labelled thiomolybdates after intravenous infusion in sheep.	149
MILLARD P. & CHESSON A. Modifications to swede ( <i>Brassica napus</i> L.) anterior to the terminal ileum of pigs: some implications for the analysis of dietary fibre.	583
MILLER D.S. <i>see</i> DULLOO A.G. & MILLER D.S. Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models.	179
MILLIGAN L.P. <i>see</i> KENNEDY P.M., HAZLEWOOD G.P. & MILLIGAN L.P. A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep.	403
MILLWARD D.J. <i>see</i> GIUGLIANO R. & MILLWARD D.J. Growth and zinc homeostasis in the severely Zn-deficient rat.	545
MOATTI Jean-Pierre <i>see</i> VERNAY Michele, MARTY Josette & MOATTI Jean-Pierre Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone.	419
MONTEL G. <i>see</i> HYNES Miriam, LAMAND M., MONTEL G. & MASON J. Some studies on the metabolism and the effects of <sup>99</sup> Mo- and <sup>35</sup> S-labelled thiomolybdates after intravenous infusion in sheep.	149

MORRIS James G. <i>see</i> HARGROVE Diane M., ROGERS Quinton R. & MORRIS James G. Leucine and isoleucine requirements of the kitten.	595
MOSELEY G. & JONES J.R. The physical digestion of perennial ryegrass ( <i>Lolium perenne</i> ) and white clover ( <i>Trifolium repens</i> ) in the foregut of sheep.	381
NIESSEN Ch. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
NUNES Carlos Simoes <i>see</i> PÉGORIER Jean-Paul, DUÉE Pierre-Henri, NUNES Carlos Simoes, PERET Jean & GIRARD J. Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs.	277
ÖCKERMAN Per Arne <i>see</i> LINDAHL Olov, LINDWALL Lars, SPÅNGBERG Alf, STENRAM Åke & ÖCKERMAN Per Arne A vegan regimen with reduced medication in the treatment of hypertension.	11
ODA S. <i>see</i> SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep.	351
OLDHAM J.D. <i>see</i> KÖNIG Barbara A., OLDHAM J.D. & PARKER D.S. The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation.	319
OLDHAM J.D. <i>see</i> GILL Margaret, THORNLEY J.H.M., BLACK J.L., OLDHAM J.D. & BEEVER D.E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep.	621
ØRSKOV E.R. <i>see</i> FATTET I., HOVELL F.D. DEB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561
ØRSKOV E.R. <i>see</i> STORM E. & ØRSKOV E.R. The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach.	613
OXBY C.B. <i>see</i> ALMOND D.J., KING R.F.G.J., BURKINSHAW L., OXBY C.B. & McMAHON M.J. Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition.	215
PARKER D.S. <i>see</i> KÖNIG Barbara A., OLDHAM J.D. & PARKER D.S. The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation.	319
PAYNE Viv <i>see</i> FAIRWEATHER-TAIT Susan J., PAYNE Viv & WILLIAMS Christine M. The effect of iron supplements on pregnancy in rats given a low-zinc diet.	79
PEARSON J.T. <i>see</i> MARTINEZ J.A., BUTTERY P.J. & PEARSON J.T. The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat.	515
PÉGORIER Jean-Paul, DUÉE Pierre-Henri, NUNES Carlos Simoes, PERET Jean & GIRARD J. Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs.	277
PENNIE K. <i>see</i> FATTET I., HOVELL F.D. DEB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561
PERET Jean <i>see</i> PÉGORIER Jean-Paul, DUÉE Pierre-Henri, NUNES Carlos Simoes, PERET Jean & GIRARD J. Glucose turnover and recycling in unrestrained and unanesthetized 48-h-old fasting or post-absorptive newborn pigs.	277
PITTAM Sharon <i>see</i> LEE Pauline A., PITTAM Sharon & HILL R. The voluntary food intake by growing pigs of diets containing 'treated' rapeseed meals or extracts of rapeseed meal.	159
PYLIOTIS N.A. <i>see</i> BRADBURY J. Howard, COLLINS J. Grant & PYLIOTIS N.A. Digestibility of proteins of the histological components of cooked and raw rice.	507
RAINBIRD Anna L., LOW A.G. & ZEBROWSKA Teresa Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs.	489
RAINBIRD Anna L. <i>see</i> LOW A.G. & RAINBIRD Anna L. Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs.	499
READ N.W. <i>see</i> BLACKBURN N.A., HOLGATE A.M. & READ N.W. Does guar gum improve post-prandial hyperglycaemia in humans by reducing small intestinal contact area?	197
RODENBURG L. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
ROGERS Quinton R. <i>see</i> HARGROVE Diane M., ROGERS Quinton R. & MORRIS James G. Leucine and isoleucine requirements of the kitten.	595
ROGERSON Minda <i>see</i> HERZBERG G.R. & ROGERSON Minda Hepatic lipogenesis in young rats given proteins of different quality.	131

SAINT L., SMITH Margaret & HARTMANN P.E. The yield and nutrient content of colostrum and milk of women from giving birth to 1 month post-partum.	87
SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep.	351
SCHAEFER A.L. & KRISHNAMURTI C.R. Whole body and tissue fractional protein synthesis in the ovine fetus <i>in utero</i> .	359
SCOTT D. <i>see</i> MCLEAN A.F., BUCHAN W. & SCOTT D. Magnesium absorption in mature ewes infused intrarumenally with magnesium chloride.	523
SEDRANI Saleh H. Changes in serum levels of 1,25-dihydroxyvitamin D <sub>3</sub> , calcium and phosphorus with age and vitamin D status in chickens.	329
SHAND W.J. <i>see</i> WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethylphosphonic acid and <sup>35</sup> S as markers.	249
SHAND W.J. <i>see</i> WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions.	261
SHEPHERD D.A.L. <i>see</i> HATFIELD G.M., JOYCE Jenny, JEACOCK Marjorie K. & SHEPHERD D.A.L. The irreversible loss of alanine and of glycine in fetal and sucking lambs.	529
SIDDONS R.C., ARRICASTRES C., GALE D.L. & BEEVER D.E. The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep.	391
SIDHU Gurcharn S. <i>see</i> ASHES John R., MANGAN Jim L. & SIDHU Gurcharn S. Nutritional availability of amino acids from protein cross-linked to protect against degradation in the rumen.	239
SKLAN D. & HALEVY Orna. Vitamin A metabolism in chick liver: some properties of the cytosolic lipid-protein aggregate.	107
SMART J.L., STEPHENS D.N., TONKISS J., AUESTAD N.S. & EDMOND J. Growth and development of rats artificially reared on different milk-substitutes.	227
SMART R.I. <i>see</i> FATTET I., HOVELL F.D. DEB., ØRSKOV E.R., KYLE D.J., PENNIE K. & SMART R.I. Undernutrition in sheep. The effect of supplementation with protein on protein accretion.	561
SMITH Margaret <i>see</i> SAINT L., SMITH Margaret & HARTMANN P.E. The yield and nutrient content of colostrum and milk of women from giving birth to 1 month post-partum.	87
SOUTHON Susan, GEE Jennifer M. & JOHNSON I.T. Hexose transport and mucosal morphology in the small intestine of the zinc-deficient rat.	371
SPÅNGBERG Alf <i>see</i> LINDAHL Olov, LINDWALL Lars, SPÅNGBERG Alf, STENRAM Åke & ÖCKERMAN Per Arne. A vegan regimen with reduced medication in the treatment of hypertension.	11
STENRAM Åke <i>see</i> LINDAHL Olov, LINDWALL Lars, SPÅNGBERG Alf, STENRAM Åke & ÖCKERMAN Per Arne. A vegan regimen with reduced medication in the treatment of hypertension.	11
STEPHENS D.N. <i>see</i> SMART J.L., STEPHENS D.N., TONKISS J., AUESTAD N.S. & EDMOND J. Growth and development of rats artificially reared on different milk-substitutes.	227
STORM E. & ØRSKOV E.R. The nutritive value of rumen micro-organisms in ruminants. 4. The limiting amino acids of microbial protein in growing sheep determined by a new approach.	613
SWANSON Heidi H., BOLWERK Eric & BRENNER Eli. Effects of cooling in infant rats on growth, maturation, sleep patterns and responses to food deprivation.	139
TAKAHASHI H. <i>see</i> SASAKI Y., TAKAHASHI H., ASO H., HIKOSAKA K., HAGINO A. & ODA S. Insulin response to glucose and glucose tolerance following feeding in sheep.	351
TEEUWSE V. <i>see</i> VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium.	429
THORNLEY J.H.M. <i>see</i> GILL Margaret, THORNLEY J.H.M., BLACK J.L., OLDHAM J.D. & BEEVER D.E. Simulation of the metabolism of absorbed energy-yielding nutrients in young sheep.	621
TONKISS J. <i>see</i> SMART J.L., STEPHENS D.N., TONKISS J., AUESTAD N.S. & EDMOND J. Growth and development of rats artificially reared on different milk-substitutes.	227
TYÖPÖNEN Jouko T. <i>see</i> HAKKARAINEN R.V. Juhani, TYÖPÖNEN Jouko T., HASSAN Saifeldin, BENGTSOON S. Gösta, JÖNSSON S.R. Lennart & LINDBERG Paul O. Biopotency of vitamin E in barley.	335
VAN BRUCHEM J., VAN DERLENDE T., DE SWART J.G. & BANGMA G.A. Abomasal emptying in sheep as related to the amount of protein entering the abomasum.	123

- VAN DER BEEK E. *see* VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium. 429
- VAN DERLENDE T. *see* VAN BRUCHEM J., VAN DERLENDE T., DE SWART J.G. & BANGMA G.A. Abomasal emptying in sheep as related to the amount of protein entering the abomasum. 123
- VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium. 429
- VERNAY Michele, MARTY Josette & MOATTI Jean-Pierre Absorption of electrolytes and volatile fatty acids in the hind-gut of the rabbit. Circadian rhythm of hind-gut electrolytes and plasma aldosterone. 419
- VETH J. *see* VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium. 429
- VINTER J. *see* HULL D. & VINTER J. The development of cold-induced thermogenesis and the structure of brown adipocyte mitochondria in genetically-obese (*ob/ob*) mice. 33
- VOGT J.E. *see* VAN ES A.J.H., VOGT J.E., NIESSEN Ch., VETH J., RODENBURG L., TEEUWSE V., DHUYVETTER J., DEURENBERG P., HAUTVAST J.G.A.J. & VAN DER BEEK E. Human energy metabolism below, near and above energy equilibrium. 429
- WALTON M.J., COWEY C.B. & ADRON J.W. The effect of dietary lysine levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 115
- WHARTON B.A. *see* EATON P.M., WHARTON P.A. & WHARTON B.A. Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham. 457
- WHARTON B.A. *see* WHARTON P.A., EATON P.M. & WHARTON B.A. Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham. 469
- WHARTON P.A. *see* EATON P.M., WHARTON P.A. & WHARTON B.A. Nutrient intake of pregnant Asian women at Sorrento Maternity Hospital, Birmingham. 457
- WHARTON P.A., EATON P.M. & WHARTON B.A. Subethnic variation in the diets of Moslem, Sikh and Hindu pregnant women at Sorrento Maternity Hospital, Birmingham. 469
- WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Microbial protein synthesis in cattle given roughage-concentrate and all-concentrate diets: the use of 2,6-diaminopimelic acid, 2-aminoethyl-phosphonic acid and <sup>35</sup>S as markers. 249
- WHITELAW F.G., EADIE J. Margaret, BRUCE L.A. & SHAND W.J. Methane formation in faunated and ciliate-free cattle and its relationship with rumen volatile fatty acid proportions. 261
- WILLIAMS Christine M. *see* FAIRWEATHER-TAIT Susan J., PAYNE Viv & WILLIAMS Christine M. The effect of iron supplements on pregnancy in rats given a low-zinc diet. 79
- WILLIAMS Christine M. *see* FAIRWEATHER-TAIT Susan J., WRIGHT A.J.A. & WILLIAMS Christine M. Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet. 205
- WOODWARD David R. Major influences on median energy and nutrient intakes among teenagers: a Tasmanian survey. 21
- WRIGHT A.J.A. *see* FAIRWEATHER-TAIT Susan J., WRIGHT A.J.A. & WILLIAMS Christine M. Zinc metabolism in pregnant and lactating rats and the effect of varying iron:Zn in the diet. 205
- YOUNG Vernon R. *see* KASPER Lynda J., YOUNG Vernon R. & JANGHORBANI Morteza Short-term dietary selenium restriction in young adults: quantitative studies with the stable isotope <sup>74</sup>SeO<sub>3</sub><sup>2-</sup>. 443
- ZEBROWSKA Teresa *see* RAINBIRD Anna L., LOW A.G. & ZEBROWSKA Teresa Effect of guar gum on glucose and water absorption from isolated loops of jejunum in conscious growing pigs. 489