Index of Subjects

Numerals show only the initial page of passages concerned with the subject.

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

Abomasum, contractile activity, use of X-ray image intensification, ruminant 137

Absorption, glucose, intestine, young pig 91A Absorption, glucose, variation during digestion of maize starch, pig 102A

Absorption, lipid, effects of drugs 215

Absorption, maize oil, duodenal infusion, sheep roiA

Absorption, relationship between drugs and nutrients 203

Acetate, use in milk fat synthesis, goat 62A Adipose tissue, development, effect of diet, infant 119

Adipose tissue, effects of drugs 218

Adipose tissue, sensitivity to insulin, effect of various dietary carbohydrates, rat 4A

Age, effect of fat mobilization, man 98A

Age, effect on insulin and growth hormone secretion, rabbit 56A

Age, effect on protein synthetic action of insulin and growth hormone, rabbit 113A

Age, effect on relationship between drugs and nutrition 191

Age, social and economic factors in nutrition,

elderly persons 51 Alcohol, effect on carbohydrate metabolism 213

Amino acid(s) see also Leucine, Lysine Amino acid(s), abomasal infusion, effect on glucose synthesis, sheep 39A

Amino acid(s), automated analysers, survey of user-experience 95A

Amino acid(s), blood concentration, ruminating calf 34A

Amino acid(s), effect on insulin secretion, rabbit 5A

Amino acid(s), level of dietary supplementation, barley diet, pig 91A

Amino acid(s), post-prandial relationship to insulin and glucose, blood, sheep 79A

Amino acid(s), requirements, growth, meat rabbit 56A

Amino acid(s), requirements, ruminating calf 35A Ammonium polyphosphate, dietary, utilization, growing lamb 46A

Anticonvulsant drugs, effects on nutrition 245 Appetite, interaction with drugs 239

Ascorbic acid, interaction with drugs 231 Ascorbic acid, metabolism in cancer, man 110A

Bacteria, rumen, affinity of cell walls for calcium and magnesium ions 106A

Bacteria, rumen, effect of potassium ions on magnesium uptake by cell walls 107A

Bile acid(s), faecal excretion, effects of drugs 216 Blood, coagulation, effects of drugs, neonate 227 Blood, composition, free amino acid and urea nitrogen, ruminating calf 34A

Blood, composition, free amino nitrogen, portal vein, pig 32A

Blood, flow, measurement by dilution methods

Blood, flow, portal and hepatic, pig 30A

Blood, flow, portal vein, pig 31A, 32A

Blood, platelet function, effect of dietary carbohydrates, rat 23A

Blood, post-prandial relationship between insulin, glucose and amino acids, sheep 79A

Body composition, effects of restricted refeeding, rat 54A

Body composition, effect of weight changes, lactating beef cattle 75A

Body composition, estimation by deuterium oxide dilution, beef cattle 74A

Body composition, isotope technique, man 25 Body size, relationship to age and childbearing, Papua New Guinea women 30A

Body-weight, effect of thyroxine, sheep 78A Body-weight change, effect on body composition, lactating beef cattle 75A

Bone, disease, effects of drugs 227

Caffeine, effect on carbohydrate metabolism 211 Caffeine, effect on oxygen consumption, fed and fasted man 28A

Cadmium, dietary, effects with low-copper diet, rat 15A

Calcium, absorption, effect of oxalate, goat 86A Calcium, ions, affinity of rumen bacteria cell walls 106A

Calcium, metabolic studies, use of radionuclides, man 31

Cancer, effect on ascorbic acid metabolism, man

Carbohydrate(s), availability, recovery from physical exhaustion, man 12A

Carbohydrate(s), dietary, effect on blood platelet function, rat 23A

Carbohydrate(s), digestion, preruminant calf 82 Carbohydrate(s), metabolism, effects of drugs 209 Carbohydrate(s), type, effect on dental plaque formation, man 24A

Carnitine, effect on oxygen consumption, fed and fasted man 28A

Casein, abomasal infusion, effect on glucose synthesis, sheep 39A

Cholesterol, absorption, effect of drugs 216 Chromium, deficiency, clinical significance, man 253

Chromium, essential trace element? 307

Colon, effect of lignosulphonate, guinea-pig 65A Compartmental analysis, glucose kinetics, lactating cow 9

Connective tissue, effect of drugs 228

Cooking, nutritional assistance to low-income families 75

Copper, deficiency, clinical significance, man 252 Copper, low dietary intake, effects of cadmium and zinc, rat 15A

Copper-molybdenum antagonism 261, 299

Day length, effect on growth, lamb 8₃A
Deuterium oxide dilution, composition of bodyweight change, lactating beef cattle 7₅A

Deuterium oxide dilution, estimation of body composition, beef cattle 74A

Development, effect of food intake, pattern, rat 27A

Development, problems, Macaca mulatta 87 Diazoxide, effect on carbohydrate metabolism 211 Diet, barley, unusual branched-chain fatty acids, adipose tissue triglyceride, lamb 80A

Diet, coconut oil, free or protected, effect on food intake, cow 61A

Diet, composition, effect on nitrogen and organic matter digestion, sheep 59A

Diet, effect on insulin and growth hormone secretion, rabbit 56A

Diet, fat-supplemented, effect on milk composition, cow 82A

Diet, fattening or slimming, effect on tissue fat distribution, pig 94A

Diet, grass or concentrates, effect on adipose tissue composition, lamb 99A

Diet, high-carbohydrate, effect on skin lipogenesis, rat 52A

Diet, low-protein, high-carbohydrate, sex differences in response, rat 25A

Diet, postnatal, effect on protein synthetic action of insulin and growth hormone, rabbit 113A Diet, survey, Birmingham schoolchildren 17A

Diet, survey, diurnal energy intake, forge workers 97A

Diet, various cereals, effect on branched-chain fatty acids, adipose tissue triglycerides, lamb 81A

Digesta, automatic sampling, ruminant 141, 69A Digesta, duodenal, microbial nitrogen content, ruminant 41A

Digestibility, ¹⁵N-labelled proteins, small intestine, ruminant calf 42A

Digestibility, prediction, silage in mixed diets, steers 72A

Digestion, clearance rate of products, hepatic portal system, ruminant 155

Digestion, fresh, frozen or dried perennial ryegrass, sheep 73A

Digestion, intestinal, starch, sheep 7A

Digestion, organic matter and nitrogen, effect of diet composition, sheep 59A

Digestion, site of, lactose or fat, effect on dried grass intake and digestibility, lamb 45A

Dilution rate, effect on fermentation, rumen, sheep 43A

Dried grass, intake and digestibility, effect of site of digestion of fat or lactose, lamb 45A

Drugs see also Caffeine, Diazoxide, Sulphonyl ureas

Drugs, index to drugs and compounds interacting with nutrition 245

Drugs, interaction with nutrition 191, 197, 203, 209, 215, 225, 231, 239, 245

Drugs, metabolism, effects of ageing 193

Drugs, oral sodium phenobarbitone, effect on nitrogen balance, rat 21A

Duodenum, digesta, automatic sampling, ruminant 141, 69A

Duodenum, maize oil infusion, absorption, sheep 101A

Economic factors, effects on nutrition, man 39, 45, 51, 59, 67, 75

Endocrine system, effect of drugs 228

Endocrinology, use of radioimmunoassay techniques, ruminant 183

Energy, glucogenic, effect on milk and milk fat yield, lactating goat 9A

Energy, intake, effect of excess, infant 113

Energy, intake, diurnal variation, dietary survey, forge workers 97A

Energy, utilization, measurement technique, grazing ruminant 163

Enzymes, drug-metabolizing, regulation of development 192

Enzymes, induction, effect of drugs 228

Equipment, automated amino acid analysers, survey of user-experience 95A

Equipment, automatic sampler, duodenal digesta, sheep 69A

Equipment, automatic sampling, digesta, ruminant 144

Equipment, continuous in vitro rumen system 125 Equipment, radio-telemetry 173

Equipment, X-ray image intensification 135 Ethylenediaminetetraacetic acid, effect on survival,

Salmonella gallinarum-infected chick 89A Exercise, recovery from exhaustion, carbohydrate availability, man 12A

Fat, dietary, effect on drug metabolism 199
Fat, dietary, effect on oral glucose tolerance, man
26A

Fat, digestion, preruminant calf 82

Fat, mobilization, effect of age, man 98A

Fat, mobilization, pig 61A

Fat, site of digestion, effect on dried grass intake and digestibility, lamb 45A

Fat, tissue distribution changes, effect of fattening or slimming diets, pig 94A

Fatty acid(s), adipose tissue composition, grassor concentrate-fed lamb 99A

Fatty acid(s), branched-chain, adipose tissue triglyceride, effect of dietary cereal, lamb 81A Fatty acid(s), branched-chain, unusual acids in triglycerides, barley-fed lamb 80A

Fatty acid(s), volatile, rate of production, rumen, lactating cow 100A

Fatty acid composition, human milk, African and European women 50A

Feeding, neonate, comparative problems, animals and man 79, 87, 93, 97, 103, 113, 119

Fermentation, effect of dilution rate, rumen, sheep 43A

Fibre, dietary, effect on response to oral glucose, man, 11A

Foetus, development, trace element metabolism 275

Foetus, growth, effect of dietary protein supplement, early pregnancy, rat 58A

Folic acid, deficiency, effect of anticonvulsant drugs 226

Food additives, effect on drug metabolism 200 Food intake, concentrates, effect of intraruminal loading, sheep 77A

Food intake, effect of day length, lamb 83A Food intake, effect of excess, infant 113 Food intake, effect of free and protected coconut

oil, cow 61A

Food intake, effect of thyroxine, sheep 78A

Food intake pattern, effect on growth and develop-

Food intake pattern, effect on growth and development, rat 27A

Food selection, impact of economic and social status, man 67

Fructose, incorporation into hepatic triglyceride, effect of glycerol, rat 51A

Geochemistry, trace elements, relationship to nutrition 257

Glucogenesis, effect of dietary energy source on milk and milk fat yield, goat 9A

Glucose, absorption, effect of dietary fibre, man IIA

Glucose, absorption, intestinal starch digestion, maize diet, sheep 7A

Glucose, absorption, variation during digestion of maize starch, pig 102A

Glucose, absorption and liver uptake, young pig

Glucose, incorporation into hepatic triglyceride, effect of glycerol, rat 51A

Glucose, post-prandial relationship to insulin and amino acids, blood, sheep 79A

Glucose, synthesis, effect of abomasal casein and amino acid infusion, sheep 39A

Glucose, uptake, insulin sensitivity, perfused rat hind limb 114A

Glucose kinetics, use of compartmental analysis and model building, lactating cow 9

Glucose tolerance, effect of dietary fat, man 26A Glycerol, effect on fructose and glucose incorporation, hepatic triglyceride, rat 51A

Gorilla gorilla gorilla, neonatal growth and development 93

Growth, effect of day length, lamb 83A Growth, effect of feed intake pattern, rat 27A Growth, effect of restricted refeeding, rat 54A Growth, neonate, Gorilla gorilla gorilla 93 Growth, problems, Macaca mulatta 87

Growth hormone, effect on protein synthesis, neonate of malnourished rabbit 112A

Growth hormone, protein synthesis, effect of age and postnatal diet, rabbit 113A

Growth hormone, secretion, effect of age and diet, rabbit 56A

Growth hormone, secretion, effect of maternal dietary protein intake, neonatal rabbit 38A

Growth potential, use of muscle cell size as index, rat 18A

Growth rate, preruminant calf 79

Heat-treatment, analytical methods for reactive lysine 13A

Hormones see also Growth hormone, Insulin, Thyroxine

3-Hydroxybutyrate, use in milk fat synthesis, goat 62A

Immunity, enteric infection, neonatal calf 80 myo-Inositol, lipotropic action, rat 64A myo-Inositol, status as a vitamin, re-assessment 62A

Insulin, adipose tissue sensitivity, effect of various dietary carbohydrates, rat 4A

Insulin, effect on protein synthesis, neonate of malnourished rabbit 112A

Insulin, post-prandial relationship to glucose and amino acids, blood, sheep 79A

Insulin, protein synthesis, effect of age and postnatal diet, rabbit 113A

Insulin, secretion, effect of age and diet, rabbit 56A

Insulin, secretion, effect of maternal dietary protein intake, neonatal rabbit 38A

Insulin, secretion, stimulation by amino acids, rabbit 5A

Insulin, sensitivity, effect of diet, glucose uptake, perfused rat hind limb 114A

Iron, absorption, pool concept and its implications 285

Kwashiorkor, effect on drug metabolism 204

Lactation, glucose kinetics, compartmental analysis and model building, cow 9

Lactose, site of digestion, effect on dried grass intake and digestibility, lamb 45A

Lead, metabolism, effect of dietary phosphate supplements, lamb 88A

Learning, effect of early undernutrition, mouse 20A

Lesions, sequence of development, trace element disorders 268

Leucine, effect on nicotinic acid deficiency, dog 103A

Lignosulphonate, effect on colon, guinea-pig 65A Linoleic acid, effect of dietary deficiency, mouse 48A, Capuchin monkey 49A

Lipid(s) see also Acetate, Bile acids, Cholesterol, Fatty acid(s), Glycerol, Hydroxybutyrate, Linoleic acid, Milk fat, Oil, Propionate

Lipid, metabolism, action of myo-inositol, rat 64A Lipid(s), metabolism, effect of drugs 215

Lipid(s), plasma, effect of dietary sucrose, spiny mouse 3A

Lipid, plasma, effects of drugs 219

Lipogenesis, skin, effect of high-carbohydrate diet, rat 52A

Lipoprotein(s), plasma concentration, suckling lamb, adult sheep 47A

Lipoprotein lipase, effect of drugs 217

Lipoproteinaemia, effect of dietary starch and sucrose, man 2A

Liver, effect of dietary sucrose, spiny mouse 3A Liver, enzyme induction, effect of drugs 228 Liver, fatty, effects of drugs 218

Liver, ratty, effects of drugs 210

Liver, glucose uptake, young pig 91A

Liver, hepatic portal circulation, clearance rate of digestion products, technique, ruminant 155

Liver, metabolite production rate, lactating dairy cow 70A

Lysosomes, ascorbic acid, interaction with drugs 235

Lysine, analytical techniques, heat-damaged materials 13A

Macaca mulatta, growth and development, problems 87

Magnesium, ions, affinity of rumen bacteria cell walls 106A

Magnesium, retention, lactating beef cow 85A Magnesium, uptake by rumen bacterial cell walls, effect of potassium ions 107A

Malnutrition, clinical problems of drug use 203 Malnutrition, congenital, muscle protein metabolism, rat 55A

Malnutrition, early, effect on avoidance learning, mouse 20A

Malnutrition, effect on nitrogen metabolism, pregnant ewe 84A

Malnutrition, low-birth-weight pre-term infant

Marker(s), intestinal use in digestive function studies, ruminant 147

Marker(s), particulate digesta, use of rutheniumphenanthroline, sheep 10A

Metabolic rate, effect of thyroxine, sheep 78A Metabolite(s), production rate, liver, portal vein, lactating dairy cow 70A

Methanogenesis, use of tritium compounds 76A Micro-organisms, nitrogen contribution to duodenal digesta, ruminant 41A Milk, composition, effect of fat-supplemented diets, cow 82A

Milk, composition, Gorilla gorilla gorilla 95 Milk, cow's, toxicity to infant rabbit 112A

Milk, fatty acid composition, African and European women 50A

Milk, fatty acid composition, effect on neonatal nutrition, animals and man 98

Milk, secretion, use of isotope techniques 17 Milk, vitamin-binding proteins, nutritional signi-

ficance 15A Milk, yield, effect of glucogenic energy supply goat 9A

Milk fat, synthesis, goat 62A

Milk fat, yield, effect of glucogenic energy supply, goat 9A

Milk substitutes, vitamin E content, infant 111A Mineral(s) see also Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Sulphur, Tin, Trace elements, Vanadium, Zinc

Mineral nutrition, effect of dietary sodium chloride, sheep 87A

Model building, glucose kinetics, lactating cow 9 Molybdenum, geochemical relationship to nutrition 261

Molybdenum-copper antagonism 299

Mortality, preruminant calf 79

Muscle, cell size, index of potential growth, rat 18A

Muscle, protein metabolism, effect of refeeding, protein-depleted rat 115A

Neonate, nutrition, comparative problems, animals and man 79, 87, 93, 97, 103, 113, 119

Nervous system, ascorbic acid function, interaction with drugs 234

Nickel, essential trace element? 307

Nicotinamide, production from nicotinic acid, roasted sweet corn 105A

Nicotinic acid, conversion to nicotinamide, roasted sweet corn 105A

Nicotinic acid, deficiency, effect of supplementary leucine, dog 103A

Nicotinic acid, effect on carbohydrate metabolism 210

Nitrogen, digestion, effect of diet composition, sheep 59A

Nitrogen, dynamics of metabolism, isotope techniques, ruminants I

Nitrogen, free amino N concentration, portal vein, pig 32A

Nitrogen, metabolism, effect of undernutrition, pregnant ewe 84A

Nitrogen, microbial, duodenal digesta, ruminant 41A

Nitrogen balance, effect of oral sodium phenobarbitone, rat 21A

Nutrient(s), dietary, effect on drug metabolism

Nutrient balance, low-birth-weight pre-term infant 104

Nutrition, effects of social and economic factors, man 39, 45, 51, 59, 67, 75

Nutrition, gestation, Macaca mulatta 89

Nutrition, interaction with drugs 191, 197, 203, 209, 215, 225, 231, 239, 245

Nutrition, neonate, comparative problems, animals and man 79, 87, 93, 97, 103, 113, 119

Nutrition, neonate, Macaca mulatta 89

Nutrition, neonate, problems of immaturity, animals and man 97

Nutrition, problems, preruminant calf 79

Nutrition, significance of vitamin-binding proteins in milk 15A

Nutrition, techniques, ruminant 123, 125, 135, 141, 147, 155, 163, 173, 183

Nutrition, techniques of using radioactive tracers 1, 9, 17, 25, 31, 37

Nutrition, trace elements 249, 257, 267, 275, 285, 293, 299, 307, 315

Nutrition surveys, social and economic implications 59

Nutritional status, assessment, schoolchildren 45

Obesity, effect of neonatal diet, animals and man 100

Obesity, hyperphagic, control by dental splints, man 29A

Obesity, persistent, problems of slimming, women 6A

Oil, coconut, free or protected, effect on food intake, cow 61A

Oil, hydrogenated coconut, effect on platelet function, rat 1A

Oil, maize, absorption, duodenal infusion, sheep

Organic matter, digestion, effect of diet composition, sheep 59A

Oxalate, effect on calcium absorption, goat 86A Oxygen consumption, effect of caffeine and carnitine, fed and fasted man 28A

Phosphorus, dietary supplement, effect on lead metabolism, lamb 88A

Physiology, use of radio-telemetry, ruminant 173 Physiology, X-ray intensification, ruminant 135 Placenta, growth, effect of dietary protein supplement, early pregnancy, rat 58A

Plaque, formation, relationship to type of carbohydrate, man 24A

Platelet function, effect of dietary hydrogenated coconut oil, rat IA

Potassium, ions, effect on magnesium uptake, rumen bacteria cell walls 107A

Poverty, effects on nutrition, man 39

Pregnancy, effect of undernutrition on nitrogen metabolism, ewe 84A

Premature birth, nutritional problems, low-birthweight infant 103 Propionate, metabolism, portal-drained viscera, sheep 71A

Protected lipid, coconut oil, effect on food intake, cow 61A

Protein, deficiency, effect of L-thyroxine on reproduction, rat 19A

Protein, dietary, effect on drug metabolism 198 Protein, dietary source, effect on reproduction, rat 57A

Protein, dietary supplement, early pregnancy, effect on growth of foetus and placenta, rat 58A Protein, digestion, preruminant calf 80

Protein, field-bean isolate, suitability for lambs, calves 40A

Protein, maternal dietary intake, effect on insulin and growth hormone secretion, neonatal rabbit 38A

Protein, metabolism, muscle, congenitally malnourished rat 55A

Protein, metabolism, muscle, effect of refeeding, protein-depleted rat 115A

Protein(s), ¹⁵N-labelled, digestibility, small intestine, ruminating calf 42A

Protein, recommended intake, new interpretation, man 36A

Protein, requirement, growth, meat rabbit 56A Protein, synthesis, action of insulin and growth hormone, effect of age and postnatal diet, rabbit 113A

Protein, synthesis, effect of drugs 204

Protein, synthesis, effect of insulin and growth hormone, neonate of malnourished rabbit 112A Protein, tissue turnover, simple estimation tech-

nique, man 37A Protein(s), vitamin-binding, nutritional significance, milk 15A

Purified diets, effect on drug metabolism 198 Pyridoxine, metabolism, effect of drugs 228

Radioactive tracer(s), techniques, use in nutrition, 1, 9, 17, 25, 31, 37

Radioimmunoassay, use in ruminant endocrinology 183

Radio-telemetry, use in ruminant physiology 173 Rapeseed meal, hydrolysis and absorption of thioglucoside, fowl 90A

Rate of flow, duodenal digesta, automatic sampler, sheep 69A

Reproduction, effect of dietary protein source, rat 57A

Reproduction, effect of L-thyroxine, proteindeficient rat 19A

Rumen, bacterial cell walls, affinity for calcium and magnesium ions 106A

Rumen, bacterial cell walls, effect of potassium ions on magnesium uptake 107A

Rumen, continuous in vitro system 125

Rumen, fermentation, effect of dilution rate, sheep 43A

Rumen, loading, effect on short-term food intake, concentrates, sheep 77A

Rumen, role in copper-molybdenum-sulphur interaction 299

Rumen, volatile fatty acid production rate, lactating cow 100A

Ruthenium-phenanthroline, use as particulate digesta marker, sheep 10A

Ryegrass, perennial, fresh, frozen or dried, digestion, sheep 73A

Salmonella gallinarum infection, effect of trace elements and EDTA, chick 89A

Salt(s), dietary, induction of testicular cysts, chick 66A

School meals, effect on nutritional status, schoolchildren 49

Selenium-vitamin E interaction, nutritional and metabolic roles 315

Sex differences, response to low-protein highcarbohydrate diet, rat 25A

Silage, digestibility, prediction, mixed diets, steer 72A

Silicon, essential trace element? 307

Skin, lipogenesis, effect of high-carbohydrate diet, rat 52A

Social factors, effects on nutrition, man 39, 45, 51, 59, 67, 75

Sodium chloride, dietary supplement, effect on mineral nutrition, sheep 87A

Sodium phenobarbitone, oral, effect on nitrogen balance, rat 21A

Starch, dietary, effect on primary hyperlipoproteinaemia, man 2A

Starch, intestinal digestion, sheep 7A

Starch, maize, effect on glucose absorption, pig 102A

Sucrose, dietary, effect on blood platelet function, rat 23A

Sucrose, dietary, effect on liver and plasma lipids, spiny mouse 3A

Sucrose, effect of starch substitution on hyperlipoproteinaemia, man 2A

Sugar(s) see also Fructose, Glucose, Lactose, Sucrose

Sugar(s), dietary, effect on adipose tissue sensitivity to insulin, rat 4A

Sulphonyl ureas, effect on carbohydrate metabolism 212

Sulphur, role in copper-molybdenum antagonism 299

Technique(s), analytical, reactive lysine in heat-damaged material 13A

Technique, automatic sampling, digesta, ruminant 141

Technique, clearance of digestive and metabolic products, hepatic portal circulation, ruminant

Technique(s), compartmental analysis and model building, glucose kinetics, lactating cow 9

Technique, continuous thermal dilution, hepatic portal circulation, ruminant 159

Technique, continuous thermal dilution, portal blood flow measurement, pig 31A

Technique, intestinal markers, ruminant 147

Technique(s), isotopes, body composition, man 25 Technique(s), isotopes, milk secretion 17

Technique(s), isotopes, study of nitrogen metabolism dynamics, ruminants 1

Technique, measurement of energy expenditure, grazing ruminant 163

Technique, radioimmunoassay, endocrinology, ruminant 183

Technique(s), radionuclides, use in calcium metabolism studies, man 31

Technique, radio-telemetry, use in ruminant physiology 173

Technique(s), ruminant nutrition 123, 125, 135, 141, 147, 155, 173, 183

Technique, tissue protein turnover, man 37A

Technique(s), use of radioactive tracers in nutrition 1, 9, 17, 25, 31, 37

Technique, use of tritium compounds, methanogenesis studies 76A

Testis, cysts, induction by dietary salts, chick 66A Thioglucoside(s), hydrolysis and absorption, rapeseed meal, fowl 90A

L-Thyroxine, dietary, effect on reproduction, protein-deficient rat 19A

Thyroxine, effect on food intake, body weight and metabolic rate, sheep 78A

Tin, essential trace element? 307

Toxicity, cow's milk to infant rabbit 112A

Trace element(s), antagonistic interactions 293, 299

Trace element(s), deficiencies, clinical significance, man 249

Trace element(s), deficiency and excess, detection in animals and man 267

Trace element(s), effect on survival, Salmonella gallinarum-infected chick 89A

Trace element(s), foetal and peopatal develop-

Trace element(s), foetal and neonatal development 275

Trace element(s), geochemistry of soil-plantanimal relationships 257

Trace element(s), nutritional relationships 249, 257, 267, 275, 285, 293, 299, 307, 315

Trace element(s), requirements, neonate 279
Tritium compounds, use in methanogenesis

Tritium compounds, use in methanogenesis studies 76A

Urea nitrogen, blood concentration, ruminating calf 34A

Vanadium, essential trace element? 307

Vicia faba L, protein isolate, suitability for lambs, calves 40A

Vitamin(s) see also Ascorbic acid, Folic acid, Inositol, Nicotinamide, Nicotinic acid, Pyridoxine

Vitamin(s), interaction with drugs 231

Vitamin, status of myo-inositol, re-assessment 63A

Vitamin C, transfer and utilization in tissues, man 109A

Vitamin D, deficiency, effects of drugs 227

Vitamin D, intake, dietary survey, Birmingham schoolchildren 17A

Vitamin E, content, infant milk substitutes 111A Vitamin E-selenium interaction, nutritional and metabolic roles 315

Vitamin-binding protein, nutritional significance, milk 15A Water balance, effect of excess food intake, infant

Welfare policies, effects on nutrition, man 39

X-ray image intensification, physiology, ruminant 135

Zinc, deficiency, clinical significance, man 249 Zinc, dietary, effects with low-copper diet, rat 15A