

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.

- Absorption, amino acids, protein-free diet, pig 49A
 Absorption, site, fat, hen 16A
 Accident(s), factory, relationship to dietary carbohydrate supplements, foundryman 44A, 94A
 Acetone, plasma concentration, pregnant and lactating ewe 13A
 Adipose tissue, fatty acid composition, gnotobiotic lamb 97A
 Adipose tissue, obesity, child 197
 Age, effect on apparent availability of dietary copper, lamb 24A
 Age, effect on relationship between total body fat and skinfold thickness, man 45A
 Age, effect on thermic energy of compensatory growth, rat 41A
 Alcohol, effect on oxygen consumption, feeding and fasting states, man 40A
 Alcoholic drink(s), hangover effects 15A
 Alcoholic drink, neglected factor in dietetic studies 14A
 Alkaline phosphatase activity, tissue, effect of feeding pattern, rat 18A
 Amino acid(s), *see also* Lysine, Methionine, *N*-steroyl-DL-methionine, Tryptophan
 Amino acid(s), absorption, protein-free diet, pig 49A
 Amino acid(s), dietary supplements, ruminant 101
 Amino acid(s), evaluation of feedstuffs, ruminants 79
 Amino acid(s), free, blood plasma concentration, preruminant calf 51A
 Amino acid(s), free, effects of dietary protein level, rat brain 6A
 Amino acid(s), free, plasma concentration, relationship to time of feeding and protein intake, sheep 52A
 Amino acid(s), maintenance requirements, estimation by ¹⁴C oxidation rate, rat 5A
 Amino acid(s), plasma concentrations and ratios, protein-energy malnutrition, rat 48A
 Amino acid(s), requirements and supply, sheep 107
 Ammonia, cycling, rumen, sheep 93
 Ammonia, toxicity, sheep 77A
 Anaesthetic, sucrose diet, rat 74A
 Antibiotics, effect on gut microflora, non-ruminant 43
 Antibody, production, effect of site of antigenic stimulation, pig 210
 Antibody, secretory system, role in early development, calf, pig 217
 Appetite, aetiology of obesity, man 176
 Ascorbic acid deficiency, sex difference in survival, guinea-pig 67A
 Bacteria, intestinal, alteration of dietary fatty acids, man 8A
 Bacteria, rumen, chemical composition 9A
 Beans, favism-inducing toxins 100A
 Bile acid(s), adsorption on fibre 141
 Bile acid(s), effects of gut microflora, non-ruminant 59
 Blood, composition, protein-energy malnutrition, rat 47A
 Body composition, estimation by deuterium oxide and tritiated water, sheep 21A
 Body composition, exchangeable potassium isotope dilution technique, sheep 20A
 Body composition, fatness, straw intake response to urea infusion, cow 76A
 Body composition, obesity, man 181
 Body composition, total fat, relationship to skinfold thickness, man 45A
 Body-weight, effect of high-carbohydrate-low-energy diet, man 36A
 Brain, free amino acid(s), effects of dietary protein level, rat 6A
 Brain, lipid peroxide, rat 75A
 Bread, effect on serum cholesterol level, man 159
 Caecum, cannulation technique, sheep 23A
 Calcium, metabolism, gnotobiotic non-ruminant 57
 Cannulation technique, caecum, sheep 23A
 Carbohydrate, dietary, effect on faecal nitrogen excretion, rat 82A
 Carbohydrate, dietary intake pattern, relationship to accident incidence, foundryman 44A
 Carbohydrate, dietary supplement, relationship to factory accidents, man 94A
 Carbohydrate(s), effect on weight gain and carcass composition, rat 29A
 Carbohydrate:lipid metabolism, oral contraceptives, effects of diet, baboon 34A
 Carbohydrate(s), type in low-energy diet, man 36A
 Carbohydrate(s), unavailable, apparent digestibility, man 133

- Carbohydrate(s), unavailable, dietary, effect on digestibility of other nutrients, man 135
- Carbohydrate(s), unavailable, effect on energy value of diet, man 131
- Carbohydrate metabolism, effect of prolonged severe exercise, man 11A
- Carbohydrate metabolism, obesity, man 176
- Carcass composition, effect of various carbohydrates, rat 29A
- Casein, rumen metabolism, effect of formaldehyde treatment, *in vitro* 85A
- Cellulose, dietary supplement, effect on faeces, man 22A
- Cellulose, fibre analysis 125
- Cellulose, physical properties 137
- Cellulose, source for experimental diets 129
- Cereal(s), nutritive value, effects of processing, livestock 31
- Chloroform, effect on rumen fermentation, sheep 57A
- Cholesterol, serum level, effect of dietary bread, man 159
- Chromium EDTA, use as indigestible marker, sheep 22A
- Contraceptives, oral, effect of dietary starch or sucrose, low-protein diet, male rat 81A
- Cooking, effects on nutritive value, foodstuffs 5
- Copper, dietary, apparent availability, effect of age and weaning, lamb 24A
- Copper, metabolism, effect of interaction between organic sulphur and molybdenum, sheep 69A
- Copper, plasma binding, effect of dietary molybdenum and sulphate, sheep 25A
- Corticosterone, plasma concentration, effect of dietary glucose on fructose, rat 12A
- Cortisol, obesity, man 178
- Cottonseed meal, nutritive value, effects of processing 24
- Cyclamate, dietary, effect on metabolic activity of gut microflora, man 51
- Dental caries, protective effect of dietary organic phosphates, rat 38A
- Dental plaque, changes after eating starch hydrolysate or sucrose, man 39A
- Deuterium oxide, use in estimation of body composition, sheep 21A
- Diabetes mellitus, obesity, man 199
- Diabetes mellitus, role of dietary fibre 151
- Diet, barley, hay and flaked maize, digestion, effect of level of feeding, sheep 91A
- Diet, barley, establishment of rumen ciliate protozoa, sheep 64A
- Diet, bread, effect on serum cholesterol level, man 159
- Diet, carbohydrate intake pattern, relationship to accident incidence, foundryman 44A
- Diet, energy value, effect of fibre and unavailable carbohydrate, man 131
- Diet, epidemiology of disease, large intestine 147
- Diet, high-carbohydrate-low-energy, effect on body-weight, man 36A
- Diet, high sucrose, effect of ovarian hormones on lipid metabolism, male rat 60A
- Diet, low-protein, high sucrose or starch, effect of oral contraceptives, male rat 81A
- Diet, nitrogen source, effect on nitrogen metabolism, rumen, calf 84A
- Diet, oral contraceptive, effect on carbohydrate: lipid metabolism, baboon 34A
- Diet, processed maize and urea, nutritive value, kid 83A
- Diet, protein, utilization, lamb 88A
- Diet, protein-free, amino acid absorption, pig 49A
- Diet, relationship to gut microflora, man 49
- Diet, supplementary wheat bran and cellulose, effect on faeces, man 22A
- Dietetics, repeatability of a self-administered questionnaire 42A
- Dietetics, significance of alcoholic drinks 14A
- Diethylstilboestrol, effects on obesity, mouse 32A
- Digesta, duodenal, association between unesterified long-chain fatty acids and particulate matter, sheep 62A
- Digestibility, unavailable carbohydrate, man 133
- Digestion, effect of level of feeding, barley, hay and flaked maize diet, sheep 91A
- Digestion, site of, nitrogen, effect of energy source, sheep 89A
- Digestion, site of, protein, effect of dietary intake, sheep 68A
- Dipeptidase activity, intestine, pregnancy and lactation, rat 49A
- Disaccharidase(s), intestine, gnotobiotic animal 55
- Disease, heart and diabetes mellitus, role of dietary fibre 151
- Disease, large intestine, role of fibre 145
- Drugs, metabolism, effect of gut microflora, non-ruminant 73
- Duodenum, nitrogen digestion, effect of energy source, sheep 89A
- Energy, cost of maintenance and production, growing pig 72A
- Energy, dietary intake, effect on energy retention, rat 65A
- Energy, effect of source on site of nitrogen digestion, sheep 89A
- Energy, protein interrelationships, growth and lactation, cattle, sheep 115
- Energy, thermic, effect of age, compensatory growth, rat 41A
- Energy balance, effect of gold thioglucose and monosodium glutamate, mouse 31A
- Energy expenditure, nitrogen metabolism, chick 80A
- Energy metabolism, during growth, obese rat 19A
- Energy metabolism, effect of dietary energy and protein intake, rat 65A
- Energy metabolism, effective critical temperature pig 71A

- Energy metabolism, efficiency of protein and fat deposition, rat 66A
- Energy metabolism, relationship to carbohydrate intake pattern and accident incidence, foundry-man 44A
- Energy metabolism, relationship to obesity, man 169
- Energy requirement, microbial protein synthesis, rumen 87
- Energy value, diet, effect of fibre and unavailable carbohydrate, man 131
- Endocrine system, disturbance, obesity, man 177
- Ensilage, effect on lipid, pasture grasses 61A
- Enzyme(s), *see also* Alkaline phosphatase, Dipeptidase, Disaccharidase
- Enzyme(s), lipolytic, pancreatic juice, sheep 98A
- Enzyme activity, liver, protein-energy malnutrition, rat 47A
- Epilepsy, relationship to vitamin A, man 105A
- Ethylenediaminetetra-acetic acid, chromium complex, use as indigestible marker, sheep 22A
- Exercise, prolonged and severe, effect on available carbohydrate and physical work ability, man 11A
- Faeces, effect of dietary wheat bran and cellulose, man 22A
- Faeces, microflora of various dietary groups, man 49
- Fat, absorption site, hen 16A
- Fat, efficiency of deposition, rat 66A
- Fat, total body content, relationship to skinfold thickness, man 45A
- Fatty acid(s), adipose tissue, gnotobiotic lamb 97A
- Fatty acid(s), dietary, alteration by intestinal bacteria, man 8A
- Fatty acid(s), essential, gnotobiotic non-ruminant 56
- Fatty acid(s), long-chain, rate of formation, rumen, sheep 63A
- Fatty acid(s), polyunsaturated, plasma lipids of cord blood, neonate 37A
- Fatty acid(s), unesterified long-chain, association with particulate matter, duodenal digesta, sheep 62A
- Fatty acid(s), volatile, concentration in portal and atrial plasma, diurnal variation, pig 37A
- Favism, toxic constituents, broad bean 100A
- Feeding behaviour, role in obesity, man 173
- Feedstuffs, evaluation as sources of nitrogen and amino acid, ruminants 79
- Fibre, biological implications, man 140
- Fibre, cation exchange capacity 139
- Fibre, chemistry and analytical estimation 123
- Fibre, effect on energy value of diet, man 131
- Fibre, gel filtration capacity 139
- Fibre, organic acid adsorption 139, 141
- Fibre, physical properties 137
- Fibre, role in disease, large intestine 145
- Fibre, role in ischaemic heart disease and diabetes mellitus 151
- Fibre, role in nutrition, man 123, 131, 137, 145, 151, 159
- Fish, nutritive value, effect of food processing 1
- Folic acid status, relationship to zinc deficiency, rat 2A
- Food additive, metabolism, effect of gut microflora, non-ruminant 73
- Food intake, effect on glucose and insulin concentration, portal and atrial plasma, pig 17A
- Food intake, hay, effect of rumen capacity reduction, cow 75A
- Food intake, response to diet therapy, obesity, man 95A
- Food intake, straw, effect of intraruminal urea infusion, fat and thin cows 76A
- Food intake, variation, restricted group-feeding, pregnant ewe 26A
- Food intake pattern, effect on tissue alkaline phosphatase activity, rat 18A
- Food processing, effects on food nutritive value 1, 9, 17, 23, 31
- Formaldehyde-treated casein, in vitro rumen metabolism 85A
- Freezing, effects on nutritive value, foodstuffs 4
- Fructose, dietary, effect on plasma composition, rat 12A
- Fructose, incorporation into hepatic triglyceride, rat 35A
- Fructose metabolism, liver, relationship to sex hormones, rat 33A
- Fruit, nutritive value, effects of processing 17
- Glucose, dietary, effect on plasma composition, rat 12A
- Glucose, incorporation into hepatic triglyceride, rat 35A
- Glucose, plasma concentration, pregnant and lactating ewe 13A
- Glucose, portal and atrial plasma concentration, effect of feeding, pig 17A
- Glycerol, metabolism, relationship to hyperlipidaemic property of sucrose, rat 96A
- Gnotobiotic animals, characteristics 53
- Gnotobiotic animals, use in nutrition research 53
- Gnotobiotic lamb, fatty acid composition, adipose tissue 97A
- Gold thioglucose, effect on energy balance, mouse 31A
- Gold thioglucose, induction of obesity, mouse 30A
- Groundnut meal, nutritive value, effects of processing 24
- Growth, compensatory, thermic energy, effect of age, rat 41A
- Growth, effect of various carbohydrates, rat 29A
- Growth, hyperplastic, nutritive value of protein, low-energy diet, rat 101A
- Growth, protein-energy interrelationships, cattle, sheep 115
- Growth, response to anabolic hormones, castrated male pig 103A
- Growth hormone, obesity, man 178

- Heart, disease, role of dietary fibre 151
 Heat processing, effects on nutritive value, food-stuffs 2
 Hemicellulose, fibre analysis 126
 Hemicellulose(s), physical properties 137
 Hormone(s) *see also* Cortisol, Diethylstilboestrol, Growth hormone, Insulin, Lipotropins, Sex hormones, Thyroid hormones
 Hormone(s), anabolic, growth response, castrated male pig 103A
 Hormone(s), ovarian, effect on lipid metabolism, high-sucrose diet, male rat 60A
 Hypoxanthine, analytical technique, urine, ruminant 58A
- Immunoglobulin(s), characteristics, mammary secretion, pig, cow 218
 Immunoglobulin system, suckling pig 205
 Immunization, oral, effect on performance, pig 220
 Insulin, plasma concentration, effect of dietary glucose on fructose, rat 12A
 Insulin, portal and atrial plasma concentration, effect of feeding, pig 17A
 Intestine, large, disease, role of fibre 145
 Intestine, large, nitrogenous compounds, metabolism, sheep 95
 Intestine(s), microflora, relationship to host, non-ruminant 41
 Intestine(s), microflora, relationship to nutrition, non-ruminant 41, 49, 53, 59, 65, 73
 Intestine(s), morphogenesis and physiology, effect of gut microflora, non-ruminant 44
 Iron, availability, gut, gnotobiotic non-ruminant 57
- Lactation, dipeptidase activity, intestine, rat 49A
 Lactation, plasma glucose and acetone concentration, ewe 13A
 Lactation, protein-energy interrelationships, cattle, sheep 115
 Lethal synthesis, anutrient metabolism, effect of gut microflora, non-ruminant 73
 Lignin, fibre analysis 126
 Lignin, physical properties 138
 Lipid(s), effect of ensilage, pasture grasses 61A
 Lipid(s), plasma, cord blood, polyunsaturated fatty acid content, neonate 37A
 Lipid(s), plasma concentration, effect of dietary glucose on fructose, rat 12A
 Lipid:carbohydrate metabolism, oral contraceptives, effect of diet, baboon 34A
 Lipid metabolism, effect of ovarian hormones, high-sucrose diet, male rat 60A
 Lipid metabolism, obesity, man 177, 181
 Lipid metabolism, role of gut microflora, non-ruminant 59
 Lipid peroxide, developing brain, rat 75A
 Lipotropins, obesity, man 178
 Liver, fructose metabolism, relationship to sex hormones, rat 33A
 Liver, incorporation of fructose and glucose into triglyceride, rat 35A
 Lysine, reactive, contrasting analytical results, heat-damaged material 54A
- Mammary gland, immunoglobulin formation, pig 209
 Marker(s), digestion, use of chromium EDTA, sheep 22A
 Meat, nutritive value, effect of food processing 1
 Membranes, characteristics, vitamin E deficiency 249
 Metabolic activity, gut microflora, effect of diet, man 51
 Metabolism, balance experiment, optimal duration, pig 72A
 Methanogenesis, effect of trichloroacetamide and chloroform, rumen, sheep 57A
 Methionine, requirement, growing lamb 87A
 Microflora, gut, effect of absence on host's nutrition, non-ruminant 56
 Microflora, gut, effect on anutrient metabolism, lethal synthesis, non-ruminant 73
 Microflora, gut, effects on dietary protein utilization, non-ruminant 65
 Microflora, gut, effect on digesta and faecal composition, non-ruminant 66
 Microflora, gut, effect on enteric pathogenic bacteria, non-ruminant 46
 Microflora, gut, effect on metabolism of drugs and food additives, non-ruminant 73
 Microflora, gut, effect on morphogenesis and physiology of gastro-intestinal tract, non-ruminant 44
 Microflora, gut, metabolic activity, effect of diet, man 51
 Microflora, gut, metabolism of lipids and sterols, non-ruminant 59
 Microflora, gut, relationship to diet, man 49
 Microflora, gut, relationship to host, non-ruminant 41
 Microflora, gut, relationship to nutrition, non-ruminant 41, 49, 53, 59, 65, 73
 Microflora, faeces, various dietary groups, man 49
 Micro-organisms, protein, utilization, lamb 88A
 Micro-organisms, rumen, nitrogen requirements 81
 Micro-organisms, rumen, protein synthesis 85
 Milk, nutritive value, effects of processing and storage 9
 Milk, removal of radio-nuclides 12
 Milk products, nutritive value, effects of processing and storage 9
 Milk protein substitutes, protein quality, calf 223
 Milk protein substitutes, veal calf 231
 Mineral(s) *see also* Calcium, Chromium, Copper, Gold, Iron, Molybdenum, Phosphate, Potassium, Sulphate, Sulphur, Zinc
 Molybdenum, dietary, effect on plasma copper binding, sheep 25A
 Molybdenum, interaction with organic sulphur, effect on copper metabolism, sheep 69A

- Monosodium glutamate, effect on energy balance, mouse 31A
 Monosodium glutamate, induction of obesity, mouse 30A
 Mucilages, physical properties 138
- Nervous system, aetiology of obesity, man 176
 Nitrogen, elemental, excretion, non-ruminant 69
 Nitrogen, evaluation of feedstuffs, ruminants 79
 Nitrogen, faecal excretion, effect of dietary carbohydrates and protein, rat 82A
 Nitrogen, non-protein, ration formulation, ruminants 101
 Nitrogen, non-protein, utilization, ruminant 99
 Nitrogen, nutrient re-cycling, sheep 93
 Nitrogen, rumen metabolism, effect of dietary nitrogen source, calf 84A
 Nitrogen, utilization, ruminant 79, 85, 93, 99, 107, 115
 Nitrogen fixation, effect of gut microflora, man 69
 Nitrogen metabolism, energy cost, chick 80A
 Nitrogenous compounds, post-ruminal metabolism, sheep 94
N-steroyl-DL-methionine, rumen metabolism, sheep 86A
 Nucleic acids, metabolism, sheep, red deer 59A
 Nutrient requirements, microbial protein synthesis, rumen 87
 Nutrition, plane of, effect at two stages of pregnancy, ewe 27A
 Nutrition, relationship to gut microflora, non-ruminant 41, 49, 53, 59, 65, 73
 Nutrition, role of fibre, man 123, 131, 137, 145, 151, 159
 Nutrition, use of gnotobiotic animals in research 53
 Nutrition, young farm animal 205, 217, 223, 231
 Nutritive value, effects of food processing 1, 9, 17, 23, 31
 Nutritive value, *n*-paraffin-grown yeast, chick 78A
 Nutritive value, processed maize and urea, kid 83A
 Nutritive value, protein, hyperplastic growth, low-energy diet, rat 101A
 Nutritive value, *Sauropus androgynous* leaf, rat 79A
- Obesity, aetiology, man 175
 Obesity, body composition and lipid metabolism, man 181
 Obesity, child 195
 Obesity, diabetes mellitus, man 199
 Obesity, effect of diethylstilboestrol, mouse 32A
 Obesity, effect on growth and pubertal development, child 196
 Obesity, endocrine disturbance, man 177
 Obesity, energy metabolism during growth, obese rat 19A
 Obesity, feeding behaviour, man 173, 187
- Obesity, food intake, response to diet therapy, man 95A
 Obesity, induction by gold thioglucose and monosodium glutamate, mouse 30A
 Obesity, man 169, 175, 181, 187, 195, 199
 Obesity, sucrose aversion, man 93A
 Oilseeds, cruciferous, nutritive value, effects of processing 24
 Oral contraceptives, effect of diet on carbohydrate: lipid metabolism, baboon 34A
 Oxygen consumption, effect of alcohol, feeding and fasting states, man 40A
- Pancreatic juice, lipolytic enzymes, sheep 98A
 Paper, digestibility of various sources 129
 Pectin, physical properties 137
 Phosphate(s), organic, protective agents against dental caries, rat 38A
 Potassium, exchangeable, body composition, isotope dilution technique, sheep 20A
 Poultry and egg products, nutritive value, effect of food processing 1
 Pregnancy, dipeptidase activity, intestine, rat 49A
 Pregnancy, effect on protein metabolism, rat 1A
 Pregnancy, food intake variation, restricted group-feeding, ewe 26A
 Pregnancy, plasma glucose and acetone concentrations, ewe 13A
 Pregnancy, stage of, effects of plane of nutrition, ewe 27A
 Premature birth, response to dietary folate supplements, infant 4A
 Protein, animal, production, role of ruminants 103
 Protein, dietary, effect on faecal nitrogen excretion, rat 82A
 Protein, dietary, extent of ruminal degradation 81
 Protein, dietary, nutritive value, hyperplastic growth, low-energy diet, rat 101A
 Protein, dietary intake, effect on energy retention, rat 65A
 Protein, dietary level, effect on free amino acids, brain, rat 6A
 Protein, dietary supplement, ruminant 101
 Protein, efficiency of deposition, rat 66A
 Protein, energy interrelationships, growth and lactation, cattle, sheep 115
 Protein, low dietary level, effect on serum albumin concentration and liver composition, sucrose or starch diet, weanling rat 7A
 Protein, microbial, extent of production and absorption, rumen 83
 Protein, microbial, ruminal synthesis 85
 Protein, microbial and undegraded dietary, utilization, lamb 88A
 Protein(s), milk, effects of processing and storage 10
 Protein, nutrition, ruminant 99
 Protein(s), protection from ruminal digestion 26
 Protein, quality evaluation, mechanism of dye-binding 53A

- Protein, *Sauropus androgynous* leaf, nutritive value and toxicity, rat 79A
- Protein, site of digestion, effect of dietary intake, sheep 68A
- Protein, utilization, effect of gut microflora, non-ruminant 65
- Protein(s), vegetable, textured, nutritive value 28
- Protein concentrates, vegetable, nutritive value, effects of processing 23
- Protein-energy deficiency, long-term, recovery, rat 103A
- Protein-energy deficiency, marginal, long-term effects, rat 102A
- Protein-energy malnutrition, biochemical characteristics, rat 47A
- Protein-energy malnutrition, plasma amino acid concentrations and ratio, rat 48A
- Protein intake, effect on plasma free amino acid concentrations, sheep 52A
- Protein metabolism, pregnancy, rat 1A
- Protein quality, milk protein substitutes, calf 223
- Protein substitute, milk, veal calf 231
- Protozoa, establishment in rumen, whole barley diet, sheep 64A
- Pteroylmonoglutamic acid, dietary supplement, response of pre-term low-birth-weight neonate 4A
- Pteroylpolyglutamate, dietary supplement, response of pre-term, low-birth-weight neonate 4A
- Puberty, growth and development, effect of obesity, child 196
- Questionnaire, self-administered, repeatability 42A
- Radio-isotopes *see also* Deuterium oxide, Potassium, Radio-nuclides, Tritiated water
- Radio-nuclides, removal from milk 12
- Reproduction, effects of dietary zinc concentration, rat 3A
- Requirement(s), amino acids, sheep 107
- Requirement, methionine, growing lamb 87A
- Requirement, nitrogen, rumen micro-organisms 81
- Riboflavin, status, assessment, man 237
- Rumen, bacteria, chemical composition 9A
- Rumen, capacity reduction, effect on hay intake, cow 75A
- Rumen, casein metabolism, effect of formaldehyde treatment, *in vitro* 85A
- Rumen, establishment of ciliate protozoa, whole barley diet, sheep 64A
- Rumen, extent of protein degradation 81
- Rumen, fermentation, effect of trichloroacetamide and chloroform, sheep 57A
- Rumen, long-chain fatty acids, rate of formation, sheep 63A
- Rumen, metabolism of *N*-steroyl-DL-methionine, sheep 86A
- Rumen, microbial protein, extent of production and absorption 83
- Rumen, micro-organisms, nitrogen requirements 81
- Rumen, nitrogen metabolism, effect of dietary nitrogen source, calf 84A
- Rumen, protein, microbial synthesis 85
- Rumen, urea infusion, effect on straw intake, fat and thin cows 76A
- Ruminant, nitrogen utilization 79, 85, 93, 99, 107, 115
- Sex, differences in survival, scorbutic guinea-pig 67A
- Sex hormones, relationship to liver fructose metabolism, rat 33A
- Skinfold thickness, relationship to total body fat, man 45A
- Soya-bean meal, nutritive value, effects of processing 23
- Starch, dietary, effect of low-protein diet on serum albumin concentration and liver composition, weanling rat 7A
- Starch, dietary, effect of oral contraceptives, low-protein diet, male rat 81A
- Starch hydrolysate, effect on dental plaque formation, man 39A
- Sterols, metabolism, role of gut microflora, non-ruminant 59
- Storage, effects on nutritive value, milk and milk products 9
- Sucrose, aversion in obesity, man 93A
- Sucrose, dietary, effect of anaesthetic, rat 74A
- Sucrose, dietary, effect of low-protein diet on serum albumin concentration and liver composition, weanling rat 7A
- Sucrose, dietary, effect of oral contraceptives, low-protein diet, male rat 81A
- Sucrose, dietary, effect of ovarian hormones on lipid metabolism, male rat 60A
- Sucrose, dietary, effect on dental plaque formation, man 39A
- Sucrose, hyperlipidaemic property, relationship to glycerol metabolism, rat 96A
- Sugar(s), *see also* Cyclamate, Fructose, Glucose, Gold thioglucose, Sucrose
- Sugar, dietary intake, repeatability of self-administered questionnaire 42A
- Sugar(s), plasma concentration, effect of dietary glucose or fructose, rat 12A
- Sulphate, dietary, effect on plasma copper binding, sheep 25A
- Sulphur, organic, interaction with molybdenum, effect on copper metabolism, sheep 69A
- Technique(s) *see also* Markers
- Technique, analytical, contrasting results, reactive lysine content, heat-damaged material 54A
- Technique(s), analytical, estimation of fibre 123

- Technique, analytical, hypoxanthine, xanthine and uric acid, urine, ruminant 58A
- Technique, analytical, tryptophan 99A
- Technique(s), assessment of vitamin status, man 237, 243, 249, 255
- Technique, cannulation of the caecum, sheep 23A
- Technique(s), determination of microbial protein synthesis, rumen 86
- Technique, dye-binding, operating mechanisms, protein quality evaluation 53A
- Technique, exchangeable potassium, isotope dilution, body composition, sheep 20A
- Technique, experimental, metabolic balance, optimal duration, pig 72A
- Technique, isotope dilution, deuterium oxide and tritiated water, body composition, sheep 21A
- Technique, measurement of ¹⁴C oxidation rate, estimation of amino acid requirements, rat 5A
- Temperature, critical, pig 71A
- Thyroid hormones, obesity, man 178
- Time after feeding, plasma free amino acid concentrations, sheep 52A
- Toxicity, ammonia, sheep 77A
- Toxicity, favism induction, broad bean 100A
- Toxicity, *Sauropus androgynous* leaf, rat 79A
- Trichloroacetamide, effect on rumen fermentation, sheep 57A
- Triglyceride, liver, incorporation of fructose and glucose, rat 35A
- Tritiated water, use in estimation of body composition, sheep 21A
- Tryptophan, estimation technique 99A
- Urbanization, effect on incidence of disease, large intestine 146
- Urea, concentration in blood plasma, preruminant calf 51A
- Urea, endogenous, metabolism, sheep 96
- Urea, intraruminal infusion, effect on straw intake, fat and thin cows 76A
- Urea, processed with maize, nutritive value, kid 83A
- Uric acid, analytical technique, urine, ruminant 58A
- Veal, use of milk protein substitutes, calf 235
- Vegetables, nutritive value, effects of processing 17
- Vitamin(s) *see also* Ascorbic acid, Folic acid, Pteroylmonoglutamic acid, Pteroylpolyglutamate, Riboflavin
- Vitamin(s), intestinal synthesis, gnotobiotic animal 55
- Vitamin(s), water-soluble, milk, effects of processing and storage 10
- Vitamin A, relationship to epilepsy, man 105A
- Vitamin C, status, assessment, man 243
- Vitamin C, status, comparison between elderly in-patients and out-patients, man 45A
- Vitamin D, status, assessment, man 255
- Vitamin E, deficiency, membrane characteristics 249
- Vitamin E, status, assessment, man 249
- Vitamin status, assessment, man 237, 243, 249, 255
- Weaning, effect on apparent availability of dietary copper, lamb 24A
- Wheat bran, dietary supplement, effect on faeces, man 22A
- Xanthine, analytical technique, urine, ruminant 58A
- Yeast, *n*-paraffin grown, nutritive value, chick 78A
- Zinc, deficiency, relationship to folic acid status, rat 2A
- Zinc, dietary concentration, effects on reproduction, rat 3A