

## Index of Subjects

- Abomasum, aureomycin in, after aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Abomasum contents, weight and acidity of, and aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Acidity of rumen, omasum and abomasum contents, and aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- ACTH, effect on nitrogen balance, body-weight, blood pressure, eosinophils in protein-deficiency malnutrition treated with high-calorie, high-protein diet, African adult man (Holmes, Jones & Stanier) **173**
- African adult man, effect of protein-deficiency malnutrition treated with high-calorie, high-protein diet on nitrogen balance and body-weight (Holmes, Jones & Stanier) **173**
- African adult man with protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH on nitrogen balance, body-weight, blood pressure, eosinophils (Holmes, Jones & Stanier) **173**
- African adult man, red-cell count, serum protein, albumin, pseudo-cholinesterase and protein-bound lipid in protein-deficiency malnutrition and recovery on high-calorie, high-protein diet (Stanier & Holmes) **155**
- Age, and intake of calories and nutrients, young child, England, 1951 (Bransby & Fothergill) **195**
- Age, and serum cholesterol, man (Keys & Keys) **138**
- Age, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, and protein deficiency, rat (Mannell & Rossiter) **44, 56**
- Age, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Albumin, serum, in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Aleurone layer and pericarp, nicotinic acid in, Indian and Egyptian rice grain (Hinton & Shaw) **65**
- American, English and Italian man, serum-cholesterol values compared (Keys & Keys) **138**
- Amino-acid(s), essential, content in lentil, green gram, black gram, finger millet and sorghum, Ceylon (Baptist) **218**
- Amino-acid(s), essential, in vegetable proteins, determination by chemical and microbiological methods compared (Baptist) **205**
- Anaemia, Indonesian malnourished child with xerophthalmia (Oomen) **307**
- Aneurin *see under* Thiamine
- Animal-protein intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Antibiotic(s) *see under* Aureomycin and Penicillin
- Armed forces, British *see under* Cadet
- Ascorbic-acid intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Ascorbic acid in sweat and urine, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) **71**
- Assay(s), chemical and microbiological, compared for determination of essential amino-acids in vegetable proteins (Baptist) **205**
- Assay, microbiological, of vitamin B<sub>12</sub> in milk and colostrum of various species, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Aureomycin dietary supplement, effect on health and vigour, kitten (Dickinson & Scott) **380**
- Aureomycin in digestive tract after aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Aureomycin feeding, and body-weight, weight and acidity of rumen, omasum and abomasum contents, rumen bacterial count, calf (Mann, Masson & Oxford) **246**
- Aureomycin, procaine penicillin and sodium salt of penicillin G dietary supplements, growth effects compared, kitten (Dickinson & Scott) **380**
- Bacteria *see under* Micro-organism(s)
- Bacterium coli*, killed, dietary protein supplement, absence of toxicity for chick (Roberts) **353**
- Bacterium coli*, killed, dietary protein supplement, and growth, chick, young rat (Roberts) **353**
- Bacterium coli*, *Lactobacillus leichmannii* and *Ochromonas malhamensis* compared as test organism in vitamin B<sub>12</sub> assay of milk and colostrum of various species (Gregory) **340**
- Balance *see under* Metabolism
- Basal metabolic rate in starvation, old man, young adult, newborn infant (McCance & Strangeways) **21**
- Berlin, myotatic irritability and body fat, undernutrition, thiamine deficiency, during and after food shortage, man, 1949 (Berry) **165**
- Bile-duct ligation, and carotene and vitamin A in liver, serum, kidneys, after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Biological value *see under* Nutritive value
- Blood *see also under* Haemoglobin, Plasma, Red-cell count and Serum
- Blood, haemoglobin and red-cell count, effect of groundnut-milk curd dietary supplement, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**

- Blood haemoglobin values before and after iron administration, male and female university students compared (Garry, Sloan, de Weir & Wishart) **253**
- Blood picture, effect of partial replacement of rice in a poor vegetarian diet by tapioca, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Blood picture and pyridoxin deficiency, rat (Ramalingaswami & Sinclair) **386**
- Blood pressure in protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH, African adult man (Holmes, Jones & Stanier) **173**
- Blood pressure and type of work, English male industrial worker (Bransby) **100**
- Blood values, effect of acid-hydrolysed casein and whole-casein diets without, and with various amounts of, tryptophan, tryptophan-deficient rat (Cole & Scott) **125**
- Body-weight *see also under* Growth
- Body-weight, and aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Body-weight, effect of acid-hydrolysed casein and whole-casein diets without, and with various amounts of, tryptophan, tryptophan-deficient rat (Cole & Scott) **125**
- Body-weight, effect of groundnut-milk curd dietary supplement, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Body-weight, effect of partial replacement of rice in a poor vegetarian diet by tapioca, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Body-weight and intestinal glucose absorption and protein-deficiency, starvation, rat (Heller) **370**
- Body-weight and nitrogen balance in protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH, African adult man (Holmes, Jones & Stanier) **173**
- Body-weight, and partial replacement by tuber flour, groundnut-cake flour or both, of rice, wheat, ragi in poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Body-weight and plane of nutrition, starvation, pregnant ewe (Ferguson) **269**
- Body-weight and serum cholesterol, man (Keys & Keys) **138**
- Body-weight and type of work, English male industrial worker (Bransby) **100**
- Body-weight, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, and protein deficiency, rat (Mannell & Rossiter) **44**
- Body-weight, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Bone(s) *see also under* Skeletal
- Bone(s), calcium and phosphorus depletion of skeleton and different bones during laying on low-calcium diet, hen (Taylor & Moore) **112**
- Brain lesions and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- British armed forces *see under* Cadet
- Cadet, British armed forces, food intake, and energy and time expenditure on various occupations; composition of food eaten and refused in mess and eaten in canteen (Widdowson, Edholm & McCance) **147**
- Cadet mess, British armed forces, plate waste in (Widdowson, Edholm & McCance) **147**
- Calcium content of Indian bazaar salt (Murthy, Swaminathan & Subrahmanyam) **11**
- Calcium depletion during laying on low-calcium diet, egg-shell, skeleton and different bones, hen (Taylor & Moore) **112**
- Calcium intake and retention, effect of partial replacement of rice in poor vegetarian diet by tapioca, Indian adult man (Murthy, Swaminathan & Subrahmanyam) **11**
- Calcium intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Calcium metabolism, rice and rice-tapioca diets compared, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Calf, aureomycin in digestive tract after aureomycin feeding (Mann, Masson & Oxford) **246**
- Calf, aureomycin feeding, and body-weight, weight and acidity of rumen, omasum and abomasum contents, rumen bacterial count (Mann, Masson & Oxford) **246**
- Calorie(s) *see also under* Energy
- Calorie conversion, efficiency of, on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared, rat (Aaes-Jørgensen & Dam) **281**
- Calorie conversion, efficiency of, effect of kind and quantity of dietary fat, rat (Aaes-Jørgensen & Dam) **290**
- Calorie conversion, efficiency of, effect of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**
- Calorie expenditure, distribution between basal metabolism, work and out-of-work activities, and type of work, English male industrial worker (Bransby) **100**
- Calorie intake and expenditure, and type of work, English male industrial worker (Bransby) **100**
- Calorie intake and recommended allowances compared, young child, England, 1951 (Bransby & Fothergill) **195**
- Calorie intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Calorie and nutrient intake, and age, sex, social characteristics, young child, England, 1951 (Bransby & Fothergill) **195**
- Carbohydrate *see also under* Glucose

- Carbohydrate digestion by pancreatic and intestinal enzymes, carp (Bondi & Spandorf) **240**
- Carotene distribution in tissues after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Carbohydrate intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Carotene, aqueous dispersion of, intravenously injected, site of conversion into vitamin A, rat (Bieri & Pollard) **32**
- Carotene, dispersed in water with Tween 40 (Bieri & Pollard) **32**
- Carotene, growth response to, with and without  $\alpha$ -tocopherol, oral and intravenous administration of aqueous dispersion of carotene compared, vitamin A-deficient rat (Bieri & Pollard) **32**
- Carotene and vitamin A in kidneys after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy or partial hepatectomy, vitamin A-deficient rat (Bieri & Pollard) **32**
- Carotene and vitamin A in liver and serum after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy, partial hepatectomy or nephrectomy, vitamin A-deficient rat (Bieri & Pollard) **32**
- Carotene and vitamin A in liver, serum, kidneys after oral or intravenous administration of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Carp, pancreatic and intestinal enzymes and protein and carbohydrate digestion (Bondi & Spandorf) **240**
- Casein, acid-hydrolysed and whole, diets in tryptophan-deficiency studies, rat (Cole & Scott) **125**
- Cat *see under* Kitten
- Catabolism *see under* Katabolism
- Cereal *see under* Millet and Sorghum
- Cerebrospinal-fluid pressure and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Ceylon, essential amino-acid content in lentil, green gram, black gram, finger millet, sorghum (Baptist) **218**
- Ceylon, goitre survey, man (Wilson) **90**
- Chemical and microbiological methods compared for determination of essential amino-acids in vegetable proteins (Baptist) **205**
- Chick, absence of toxicity for, of killed *Bacterium coli* dietary protein supplement (Roberts) **353**
- Chick, growth and killed *Bacterium coli* dietary protein supplement (Roberts) **353**
- Child *see also under* Infant
- Child, Indonesian, customary diet (Oomen) **307**
- Child, Indonesian malnourished, with and without xerophthalmia, clinical pictures and liver biopsies compared (Oomen) **307**
- Child, Indonesian malnourished, with xerophthalmia, clinical picture and treatment (Oomen) **307**
- Child nutrition, Western Samoa (Holmes) **223**
- Child, young, dietary survey, England, 1951 (Bransby & Fothergill) **195**
- Child, young, intake of calories and nutrients, and age, sex, social characteristics, England, 1951 (Bransby & Fothergill) **195**
- Child, young, intake of calories and nutrients and recommended allowances compared, England, 1951 (Bransby & Fothergill) **195**
- Cholesterol intake from food, man, England, United States (Keys & Keys) **138**
- Cholesterol, serum, and age, fat intake, body-weight, man (Keys & Keys) **138**
- Cholesterol, serum, values compared, English, American and Italian man (Keys & Keys) **138**
- Cholinesterase *see also under* Pseudo-cholinesterase
- Cholinesterase, pseudo-, plasma, and body fat, man, England (Berry, Cowin & Davies) **79**
- Clinical picture, Indonesian malnourished child with and without xerophthalmia (Oomen) **307**
- Clinical signs and nutritional status, Northern Nigerian schoolgirl and young mother (Wilson) **83**
- Clinical status and type of work, English male industrial worker (Bransby) **100**
- Coconut oil and other dietary fats compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) **290**
- Coconut oil and other dietary fats compared, effect on growth, rat (Aaes-Jørgensen & Dam) **285**
- Cod-liver oil in treatment of xerophthalmia, Indonesian malnourished child (Oomen) **307**
- Colostrum, cow's and goat's, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Colostrum, cow's and goat's, occurrence of bound form of vitamin B<sub>12</sub> in (Gregory) **340**
- Convulsion(s) and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Cooking by different methods, loss of weight during, various human foods (Chappell) **325**
- Cooking methods, Western Samoa (Holmes) **223**
- Cortisone, effect on nitrogen balance, body-weight, blood pressure, eosinophils in protein-deficiency malnutrition treated with high-calorie, high-protein diet, African adult man (Holmes, Jones & Stanier) **173**
- Cow(s) colostrum and milk, microbiological assay of vitamin A in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Creatinine in urine, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) **71**
- Cyanocobalamin *see under* Vitamin B<sub>12</sub>
- Deficiency *see under* Protein, Nutritional, Thiamine, Tryptophan and Vitamin A

- Dehydroascorbic acid in sweat and urine, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) 71
- Diet *see also under* Food and Nutrition
- Diet(s), acid-hydrolysed and whole casein, in tryptophan-deficiency studies, rat (Cole & Scott) 125
- Diet, customary, Indonesian child (Oomen) 307
- Diet, high-calorie, high-protein, effect on red-cell count, serum protein, albumin, pseudo-cholinesterase and protein-bound lipid of malnourished, protein-deficient African adult man (Stanier & Holmes) 155
- Diet, poor Indian vegetarian, effect on nutritive value of, of partial replacement of rice, wheat, ragi by tuber flour, groundnut-cake flour, or both, rat (Subrahmanyam, Murthy & Swaminathan) 1
- Diet, poor vegetarian, effect on calcium, phosphorus and nitrogen metabolism of partial replacement of rice by tapioca, Indian adult man (Murthy, Swaminathan & Subrahmanyam) 11
- Diet, poor vegetarian, effect of partial replacement of rice by tapioca in, on growth, nutritional status, blood picture, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) 17
- Diet and type of work, English male industrial worker (Bransby) 100
- Dietary fat, effect of kind on food and fluid consumption, urine production, efficiency of calorie conversion, growth, rat (Aaes-Jørgensen & Dam) 281
- Dietary fat, effect of kind and quantity on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) 290
- Dietary fat, effect of kind and quantity on growth, rat (Aaes-Jørgensen & Dam) 285
- Dietary fat and serum cholesterol, man (Keys & Keys) 138
- Dietary fats, nutritive effects compared, rat (Aaes-Jørgensen & Dam) 281, 285, 290, 296, 302
- Dietary protein supplement of killed *Bacterium coli*, and growth, chick, young rat (Roberts) 353
- Dietary supplement of groundnut-milk curd, effect on height, body-weight, haemoglobin, red blood cell count, nutritional status, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) 348
- Dietary supplements of procaine penicillin, sodium salt of penicillin G and aureomycin, growth effects compared, kitten (Dickinson & Scott) 380
- Dietary survey, young children, England, 1951 (Bransby & Fothergill) 195
- Digestion, protein and carbohydrate, and pancreatic and intestinal enzymes, carp (Bondi & Spandorf) 240
- Digestive-system lesions, Indonesian malnourished child with and without xerophthalmia, compared (Oomen) 307
- Egg-shell, calcium reduction in, during laying on low-calcium diet, hen (Taylor & Moore) 112
- Egyptian rice, distribution of nicotinic acid in grain (Hinton & Shaw) 65
- Embryo, nicotinic acid in, Indian and Egyptian rice grain (Hinton & Shaw) 65
- Endosperm, nicotinic acid in, Indian and Egyptian rice grain (Hinton & Shaw) 65
- Energy expenditure and food intake, British armed forces cadet (Widdowson, Edholm & McCance) 147
- Energy expenditure on various occupations, British armed forces cadet (Widdowson, Edholm & McCance) 147
- England, body fat and plasma pseudo-cholinesterase, man (Berry, Cowin & Davies) 79
- England, cholesterol intake from food, man (Keys & Keys) 138
- England, dietary survey, young child, 1951 (Bransby & Fothergill) 195
- English, American and Italian man, serum-cholesterol values compared (Keys & Keys) 138
- English male industrial worker, nutritional and clinical survey; type of work and intake and expenditure of calories (Bransby) 100
- Enterectomy, and carotene and vitamin A in liver, serum, kidneys after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) 32
- Enzyme(s), pancreatic and intestinal, and protein and carbohydrate digestion, carp (Bondi & Spandorf) 240
- Eosinophil(s) in protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH, African adult man (Holmes, Jones & Stanier) 173
- Erythrocyte count, haemoglobin and haematocrit after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) 386
- European man, tropically acclimatized, with and without dietary ascorbic-acid supplement, ascorbic acid, dehydroascorbic acid and thiamine in sweat; creatinine, ascorbic acid and dehydroascorbic acid in urine (Lugg & Ellis) 71
- Ewe('s) milk, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) 340
- Ewe, pregnancy toxæmia on low-plane diet, clinical signs (Ferguson) 269
- Ewe, pregnant, body-weight, liver fat, and plane of nutrition, starvation (Ferguson) 269
- Eye lesions, Indonesian malnourished child (Oomen) 307
- Fasting *see under* Starvation
- Fat *see also under* Lipid
- Fat, body, and myotatic irritability, during and after food shortage, man, Berlin, 1949 (Berry) 165
- Fat, body, and plasma pseudo-cholinesterase, man, England (Berry, Cowin & Davies) 79

- Fat, dietary, effect of kind on food and fluid consumption, urine production, efficiency of calorie conversion, growth, rat (Aaes-Jørgensen & Dam) **281**
- Fat, dietary, effect of kind and quantity on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) **290**
- Fat, dietary, effect of kind and quantity on growth, rat (Aaes-Jørgensen & Dam) **285**
- Fat(s), dietary, nutritive effects compared, rat (Aaes-Jørgensen & Dam) **281, 285, 290, 296, 302**
- Fat intake and serum cholesterol, man (Keys & Keys) **138**
- Fat intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Fat, liver, and plane of nutrition, starvation, pregnant ewe (Ferguson) **269**
- Fish *see under* Carp
- Flour(s), tuber and groundnut-cake, effect of partial replacement of rice, wheat, ragi by, on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Fluid consumption on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared, rat (Aaes-Jørgensen & Dam) **281**
- Fluid consumption, effect of kind and quantity of dietary fat, rat (Aaes-Jørgensen & Dam) **290**
- Fluid consumption, effect of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**
- Fluorine content of drinking water and incidence of thyroid enlargement, man, Nigeria (Wilson) **90**
- Food, cholesterol intake from, man, England, United States (Keys & Keys) **138**
- Food consumption on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared, rat (Aaes-Jørgensen & Dam) **281**
- Food consumption, effect of kind and quantity of dietary fat, rat (Aaes-Jørgensen & Dam) **290**
- Food consumption, effect of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**
- Food eaten and refused in mess and eaten in canteen, composition of, British armed forces cadet (Widdowson, Edholm & McCance) **147**
- Food habits, traditional, and undernutrition of weanling child, Western Samoa (Holmes) **223**
- Food(s), infant, nutritive values compared, Western Samoa (Holmes) **223**
- Food intake and energy expenditure, British armed forces cadet (Widdowson, Edholm & McCance) **147**
- Food, native and imported, consumption, man, Western Samoa (Holmes) **223**
- Food, plate waste in cadet mess, British armed forces (Widdowson, Edholm & McCance) **147**
- Food shortage and myotatic irritability, man, Berlin, 1949 (Berry) **165**
- Food(s), various, consumption, young child, England, 1951 (Bransby & Fothergill) **195**
- Food(s), various human, waste and loss of weight in preparation and cooking (Chappell) **325**
- Gastric emptying time and intestinal glucose absorption and protein deficiency, starvation, rat (Heller) **370**
- Geological formation and incidence of thyroid enlargement, man, Ceylon, Nigeria (Wilson) **90**
- Germany *see under* Berlin
- Girl, Indian, effect of groundnut-milk curd dietary supplement on height, body-weight, haemoglobin, red blood cell count, nutritional status (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Girl, Indian, effect of partial replacement of rice in poor vegetarian diet by tapioca on growth, nutritional status, blood picture (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Gland *see under* Thyroid
- Glucose, intestinal absorption and tolerance, and protein deficiency, starvation, rat (Heller) **370**
- Goat(s) colostrum and milk, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Goitre *see also under* Thyroid
- Goitre survey, man, Ceylon, Nigeria (Wilson) **90**
- Goitrogenic properties of Nigerian groundnut oil, absence of, for rat (Buxton, Grundy, Wilson & Jamison) **170**
- Gram, green and black, essential amino-acid content, Ceylon (Baptist) **218**
- Groundnut-cake flour, effect of partial replacement of rice, wheat, ragi by, on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Groundnut-milk curd and cow's-milk curd, chemical compositions compared (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Groundnut-milk curd dietary supplement, effect on height, body-weight, haemoglobin, red-cell count, nutritional status, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Groundnut oil, hydrogenated, as dietary fat, effect on growth of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **269**
- Groundnut oil, hydrogenated, and lard as dietary fat compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, growth, rat (Aaes-Jørgensen & Dam) **281**
- Groundnut oil, hydrogenated and non-hydrogenated, as dietary fat, effect on food and fluid consumption, urine production, efficiency of calorie conversion of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**

- Groundnut oil, hydrogenated and non-hydrogenated, and other dietary fats compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) **290**
- Groundnut oil, hydrogenated and non-hydrogenated, and other dietary fats compared, effect on growth, rat (Aaes-Jørgensen & Dam) **285**
- Groundnut oil, Nigerian, in diet, and weight, histological picture and iodine content of thyroid gland, rat (Buxton, Grundy, Wilson & Jamison) **170**
- Growth *see also under* Body-weight
- Growth on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared, rat (Aaes-Jørgensen & Dam) **281**
- Growth, effect of kind and quantity of dietary fat, rat (Aaes-Jørgensen & Dam) **285**
- Growth, effect of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **296**
- Growth, effects of dietary supplement of procaine penicillin, sodium salt of penicillin G and aureomycin compared, kitten (Dickinson & Scott) **380**
- Growth and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Growth and killed *Bacterium coli* dietary protein supplement, chick, young rat (Roberts) **353**
- Growth response to carotene, with and without  $\alpha$ -tocopherol, oral and intravenous administration of aqueous dispersion of carotene compared, vitamin A-deficient rat (Bieri & Pollard) **32**
- Gut *see under* Rumen
- Haematocrit, haemoglobin and erythrocyte count after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) **386**
- Haemoglobin, effect of groundnut-milk curd dietary supplement, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Haemoglobin, haematocrit and erythrocyte count after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) **386**
- Haemoglobin and type of work, English male industrial worker (Bransby) **100**
- Haemoglobin values before and after iron administration, male and female university students compared (Garry, Sloan, de Weir & Wishart) **253**
- Head retraction and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Height, effect of groundnut-milk curd dietary supplement, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Height, effect of partial replacement of rice in poor vegetarian diet by tapioca, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Height, and type of work, English male industrial worker (Bransby) **100**
- Hen, calcium reduction in egg-shell during laying on low-calcium diet; calcium and phosphorus depletion of skeleton and different bones (Taylor & Moore) **112**
- Hepatectomy, partial, and carotene and vitamin A in liver, serum, kidneys after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Histological picture of thyroid gland, and Nigerian groundnut oil in diet, rat (Buxton, Grundy, Wilson & Jamison) **170**
- Histopathology, tryptophan-deficient rat (Cole & Scott) **125**
- Human milk, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Hydrogenated and non-hydrogenated groundnut oil and other dietary fats compared, effect on growth, rat (Aaes-Jørgensen & Dam) **285**
- Hydrogenated groundnut oil as dietary fat, effect on food and fluid consumption, urine production, efficiency of calorie conversion of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**
- Hydrogenated groundnut oil as dietary fat, effect on growth of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **296**
- Hydrogenated groundnut oil or lard as dietary fat, effects on food and fluid consumption, urine production, efficiency of calorie conversion, growth compared, rat (Aaes-Jørgensen & Dam) **291**
- Hydrogenated groundnut and whale oils and other dietary fats compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) **290**
- Indian adult man, calcium, phosphorus and nitrogen metabolism, effect of partial replacement of rice in poor vegetarian diet by tapioca (Murthy, Swaminathan & Subrahmanyam) **11**
- Indian girl, effect of groundnut-milk curd dietary supplement on height, body-weight, haemoglobin, red blood cell count, nutritional status (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Indian girl, effect of partial replacement of rice in poor vegetarian diet by tapioca on growth, nutritional status, blood picture (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Indian rice, distribution of nicotinic acid in grain (Hinton & Shaw) **65**

- Indian vegetarian diet, poor, value of tapioca in supplementation (Murthy, Swaminathan & Subrahmanyam) 11, (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) 17, (Subrahmanyam, Murthy & Swaminathan) 1
- Indonesian child, customary diet (Oomen) 307
- Indonesian child, malnourished, with and without xerophthalmia, clinical pictures and liver biopsies compared (Oomen) 307
- Indonesian child, malnourished, with xerophthalmia, clinical picture and treatment (Oomen) 307
- Infant *see also under* Child
- Infant, rearing and feeding of, nutritive values of foods compared, Western Samoa (Holmes) 223
- Intestinal enzymes, and protein and carbohydrate digestion, carp (Bondi & Spandorf) 240
- Intestinal glucose absorption and protein deficiency, starvation, rat (Heller) 370
- Intestine, small, absence of lesions, in protein deficiency and starvation, rat (Heller) 370
- Iodine content of drinking water and incidence of thyroid enlargement, man, Ceylon, Nigeria (Wilson) 90
- Iodine content of thyroid gland, and Nigerian groundnut oil in diet, rat (Buxton, Grundy, Wilson & Jamison) 170
- Iron administration, and haemoglobin values, male and female university students compared (Garry, Sloan, de Weir & Wishart) 253
- Iron intake, young child, England, 1951 (Bransby & Fothergill) 195
- Irritability *see under* Myotatic
- Italian, English and American man, serum-cholesterol values compared (Keys & Keys) 138
- Katabolism of nitrogen in starvation, old man, young adult, newborn infant (McCance & Strangeways) 21
- Kidney(s), carotene and vitamin A in, after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy or partial hepatectomy, vitamin A-deficient rat (Bieri & Pollard) 32
- Kidney(s), carotene and vitamin A in, after oral or intravenous administration of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) 32
- Kitten, growth effects of dietary supplements of procaine penicillin, sodium salt of penicillin G and aureomycin compared (Dickinson & Scott) 380
- Kitten, health and vigour, effect of penicillin or aureomycin dietary supplement (Dickinson & Scott) 380
- Kwashiorkor and xerophthalmia and undernutrition, Indonesian child (Oomen) 307
- Lactobacillus leichmannii*, *Bacterium coli* and *Ochromonas malhamensis* compared as test organism in vitamin B<sub>12</sub> assay of milk and colostrum of various species (Gregory) 340
- Lard as dietary fat, effect on food and fluid consumption, urine production, efficiency of calorie conversion of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) 302
- Lard as dietary fat, effect on growth of addition of raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) 296
- Lard and other dietary fats compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) 290
- Lard and other dietary fats compared, effect on growth, rat (Aaes-Jørgensen & Dam) 285
- Lard or hydrogenated groundnut oil as dietary fat, effects on food and fluid consumption, urine production, efficiency of calorie conversion, growth, compared, rat (Aaes-Jørgensen & Dam) 281
- Legume(s) *see under* Gram and Lentil
- Lentil, essential amino-acid content, Ceylon (Baptist) 218
- Lesion(s), organs and tissues, Indonesian malnourished child with and without xerophthalmia compared (Oomen) 307
- Leucocyte count after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) 386
- Linoleic-acid supplement, and food and fluid consumption, urine production, efficiency of calorie conversion on diets containing lard, groundnut oil or hydrogenated groundnut oil, rat (Aaes-Jørgensen & Dam) 302
- Linoleic-acid supplement and growth on diets containing lard, groundnut oil or hydrogenated groundnut oil, rat (Aaes-Jørgensen & Dam) 296
- Lipid *see also under* Fat
- Lipid, serum, protein-bound, in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) 155
- Liver, carotene and vitamin A in, after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy, partial hepatectomy or nephrectomy, vitamin A-deficient rat (Bieri & Pollard) 32
- Liver, carotene and vitamin A in, after oral or intravenous administration of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) 32
- Liver composition, effect of acid-hydrolysed casein and whole-casein diets without, and with various amounts of, tryptophan, tryptophan-deficient rat (Cole & Scott) 125
- Liver fat and plane of nutrition, starvation, pregnant ewe (Ferguson) 269
- Liver lesions, Indonesian malnourished child with and without xerophthalmia compared (Oomen) 307
- Liver vitamin A, and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) 363
- Malnutrition *see also under* Fasting, Starvation and Undernutrition

- Malnutrition, protein-deficiency, red-cell count, serum protein, albumin, pseudo-cholinesterase and protein-bound lipid, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) 155
- Malnutrition, protein-deficiency, treated with high-calorie, high-protein diet, effect of cortisone, ACTH on nitrogen balance, body-weight, blood pressure, eosinophils, African adult man (Holmes, Jones & Stanier) 173
- Malnutrition, protein-deficiency, treated with high-calorie, high-protein diet, effect on nitrogen balance, body-weight, African adult man (Holmes, Jones & Stanier) 173
- Man *see also under* Cadet, Child, Girl, Infant, Schoolgirl and Woman
- Man, adult African, effect of protein-deficiency malnutrition treated with high-calorie, high-protein diet on nitrogen balance and body-weight (Holmes, Jones & Stanier) 173
- Man, adult African, with protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH on nitrogen balance, body-weight, blood pressure, eosinophils (Holmes, Jones & Stanier) 173
- Man, adult African, red-cell count, serum protein, albumin, pseudo-cholinesterase and protein-bound lipid in protein-deficiency malnutrition and recovery on high-calorie, high-protein diet (Stanier & Holmes) 155
- Man, adult Indian, calcium, phosphorus and nitrogen metabolism, effect of partial replacement of rice in poor vegetarian diet by tapioca (Murthy, Swaminathan & Subrahmanyam) 11
- Man, body-fat and pseudo-cholinesterase, England (Berry, Cowin & Davies) 79
- Man, cholesterol intake from food, England, United States (Keys & Keys) 138
- Man, English, American and Italian, serum-cholesterol values compared (Keys & Keys) 138
- Man, English male industrial worker, nutritional and clinical survey; type of work and intake and expenditure of calories (Bransby) 100
- Man, European, tropically acclimatized, with and without dietary ascorbic-acid supplement, ascorbic acid, dehydroascorbic acid and thiamine in sweat; creatinine, ascorbic acid and dehydroascorbic acid in urine (Lugg & Ellis) 71
- Man, haemoglobin values before and after iron administration, male and female university students compared (Garry, Sloan, de Weir & Wishart) 253
- Man, myotatic irritability and body fat, undernutrition, thiamine deficiency, during and after food shortage, Berlin, 1949 (Berry) 165
- Man, old, young adult and newborn infant, basal metabolic rate and nitrogen katabolism in starvation (McCance & Strangeways) 21
- Man, preparation and cooking of food, waste and loss of weight in (Chappell) 325
- Man, serum cholesterol, and age, fat intake, body-weight (Keys & Keys) 138
- Man, thyroid enlargement, and iodine content of drinking water, and environmental conditions, Ceylon (Wilson) 90
- Man, thyroid enlargement, and iodine and fluorine content of drinking water, and environmental conditions, Nigeria (Wilson) 90
- Man, traditional food habits, and undernutrition of weanling child, Western Samoa (Holmes) 223
- Metabolism, basal, infant, closed-circuit apparatus for measurement of (McCance & Strangeways) 21
- Metabolism, basal, in starvation, old man, young adult, newborn infant (McCance & Strangeways) 21
- Metabolism, calcium, phosphorus and nitrogen, effect of partial replacement of rice in poor vegetarian diet by tapioca, Indian adult man (Murthy, Swaminathan & Subrahmanyam) 11
- Metabolism, calcium and nitrogen, rice and rice-tapioca diets compared, rat (Subrahmanyam, Murthy & Swaminathan) 1
- Microbiological assay of vitamin B<sub>12</sub> in milk and colostrum of various species, different methods of preparation of samples and different test organisms compared (Gregory) 340
- Microbiological and chemical methods compared for determination of essential amino-acids in vegetable proteins (Baptist) 205
- Micro-organism(s), rumen, and aureomycin feeding, calf (Mann, Masson & Oxford) 246
- Milk, cow's, ewe's, goat's, rat's, sow's and woman's, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) 340
- Milk, cow's, ewe's, goat's, rat's, sow's and woman's, occurrence of bound form of vitamin B<sub>12</sub> in (Gregory) 340
- Milk, raw skim, supplement, and food and fluid consumption, urine production, efficiency of calorie conversion on diets containing different kinds and quantities of fat, rat (Aaes-Jørgensen & Dam) 290, 302
- Milk, raw skim, supplement, and growth on diets containing different kinds and quantities of fat, rat (Aaes-Jørgensen & Dam) 281, 285, 296
- Milk ultrafiltration, apparatus for (Gregory) 340
- Millet, finger, essential amino-acid content, Ceylon (Baptist) 218
- Muscular atrophy, Indonesian malnourished child with and without xerophthalmia compared (Oomen) 307
- Myotatic irritability and body fat, undernutrition, thiamine deficiency, during and after food shortage, man, Berlin, 1949 (Berry) 165
- Myotatic irritability, site of excitement, man (Berry) 165
- Myotatic irritability, and treatment with thiamine, man, Berlin, 1949 (Berry) 165
- Nephrectomy, and carotene and vitamin A in liver and serum after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) 32



- Nerve, optic, lesions, and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Nerve, sciatic, intact or sectioned, weight and nucleic-acid and phospholipid content, and age, body-weight, and protein deficiency, rat (Mannell & Rossiter) **44**
- Nerve, sciatic, intact or sectioned, weight and nucleic-acid and phospholipid content, and age, body-weight, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Nicotinic-acid distribution in, Indian and Egyptian rice grain (Hinton & Shaw) **65**
- Nicotinic-acid intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Nigeria, goitre survey, man (Wilson) **90**
- Nigeria, Northern, dietary pattern of different races; clinical signs in schoolgirls and young mothers (Wilson) **83**
- Nigerian groundnut oil in diet, and weight, histological picture and iodine content of thyroid gland, rat (Buxton, Grundy, Wilson & Jamison) **170**
- Nitrogen *see also under* Protein
- Nitrogen balance and body-weight in protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH, African adult man (Holmes, Jones & Stanier) **173**
- Nitrogen intake and retention, effect of partial replacement of rice by tapioca in poor vegetarian diet, Indian adult man (Murthy, Swaminathan & Subrahmanyam) **11**
- Nitrogen katabolism, in starvation, old man, young adult, newborn infant (McCance & Strangeways) **21**
- Nitrogen metabolism, rice and rice-tapioca diets compared, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Nucleic acid in intact or sectioned sciatic nerve, and age, body-weight, and protein deficiency, rat (Mannell & Rossiter) **44, 56**
- Nucleic acid in intact or sectioned sciatic nerve, and age, body-weight, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Nutrient and calorie intake, and age, sex, social characteristics, young child, England, 1951 (Bransby & Fothergill) **195**
- Nutrient(s), intake and recommended allowances compared, young child, England, 1951 (Bransby & Fothergill) **195**
- Nutrition *see also under* Undernutrition
- Nutrition, child, Western Samoa (Holmes) **223**
- Nutrition, plane of, and body-weight and liver fat and toxæmia, pregnant ewe (Ferguson) **269**
- Nutritional deficiency and Wallerian degeneration, rat (Mannell & Rossiter) **44, 56**
- Nutritional status and clinical signs, Northern Nigerian schoolgirl and young mother (Wilson) **83**
- Nutritional status, effect of groundnut-milk curd dietary supplement, Indian girl (Subrahmanyam, Reddy, Moorjani, Sur, Doraiswamy, Sankaran, Bhatia & Swaminathan) **348**
- Nutritional status, effect of partial replacement of rice in poor vegetarian diet by tapioca, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Nutritional status and type of work, English male industrial worker (Bransby) **100**
- Nutritive effects of dietary fats compared, rat (Aaes-Jørgensen & Dam) **281, 285, 290, 296, 302**
- Nutritive value and essential amino-acid content in Ceylon legumes and cereals (Baptist) **218**
- Nutritive value of poor Indian vegetarian diet, effect of partial replacement of rice, wheat, ragi by tuber flour, groundnut-cake flour, or both, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Nutritive values of infant foods compared, Western Samoa (Holmes) **223**
- Nutriture *see under* Nutritional status
- Ochromonas malhamensis*, *Lactobacillus leichmannii* and *Bacterium coli* compared as test organism in vitamin B<sub>12</sub> assay of milk and colostrum of various species (Gregory) **340**
- Oil *see under* Coconut, Fat, Groundnut and Whale
- Omasum, aureomycin in, after aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Omasum contents, weight and acidity of, and aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Optic-nerve lesions and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Pancreatic enzymes, and protein and carbohydrate digestion, carp (Bondi & Spandorf) **240**
- Paralysis and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Peanut *see under* Groundnut
- Penicillin dietary supplement, effect on health and vigour, kitten (Dickinson & Scott) **380**
- Penicillin, procaine, sodium salt of penicillin G and aureomycin dietary supplements, growth effects compared, kitten (Dickinson & Scott) **380**
- Penicillin in treatment of xerophthalmia, Indonesian malnourished child (Oomen) **307**
- Pericarp and aleurone layer, nicotinic acid in, Indian and Egyptian rice grain (Hinton & Shaw) **65**
- Pericarp, distribution of nicotinic acid in, Indian rice grain (Hinton & Shaw) **65**
- Phospholipid in intact or sectioned sciatic nerve, and age, body-weight, and protein deficiency, rat (Mannell & Rossiter) **44, 56**
- Phospholipid in intact or sectioned sciatic nerve, and age, body-weight, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Phosphorus depletion during laying on low-calcium diet, skeleton and different bones, hen (Taylor & Moore) **112**
- Phosphorus intake and retention, effect of partial replacement of rice in poor vegetarian diet by tapioca, Indian adult man (Murthy, Swaminathan & Subrahmanyam) **11**

- Pig *see under* Sow
- Plasma-protein concentration and intestinal glucose absorption and protein deficiency, starvation, rat (Heller) **370**
- Plasma protein and plasma volume after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) **386**
- Plasma pseudo-cholinesterase and body fat, man, England (Berry, Cowin & Davies) **79**
- Plasma pseudo-cholinesterase, English male industrial worker (Bransby) **100**
- Plasma vitamin A and hydrocephalus and maternal vitamin A deficiency, young rabbit (Lamming, Woollam & Millen) **363**
- Plate waste in cadet mess, British armed forces (Widdowson, Edholm & McCance) **147**
- Polycythaemia and pyridoxin deficiency, rat (Ramalingaswami & Sinclair) **386**
- Polyoxyethylenesorbitan monopalmitate *see under* Tween 40
- Potato flour, effect of partial replacement of rice, wheat, ragi by, on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Pregnancy toxemia on low-plane diet, clinical signs, ewe (Ferguson) **269**
- Pregnant ewe, body-weight, liver fat, and plane of nutrition, starvation (Ferguson) **269**
- Protein *see also under* Nitrogen
- Protein, animal and vegetable, intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Protein-bound lipid, serum, in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Protein deficiency *see also under* Tryptophan deficiency
- Protein deficiency and body-weight, gastric emptying time, intestinal glucose absorption and tolerance, plasma-protein concentration, absence of intestinal lesions, rat (Heller) **370**
- Protein-deficiency malnutrition, red-cell count, serum protein, albumin, pseudo-cholinesterase and protein-bound lipid, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect of cortisone, ACTH on nitrogen balance, body-weight, blood pressure, eosinophils, African adult man (Holmes, Jones & Stanier) **173**
- Protein-deficiency malnutrition treated with high-calorie, high-protein diet, effect on nitrogen balance, body-weight, African adult man (Holmes, Jones & Stanier) **173**
- Protein deficiency, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, rat (Mannell & Rossiter) **44, 56**
- Protein, dietary deficiency, child, Western Samoa (Holmes) **223**
- Protein digestion by pancreatic and intestinal enzymes, carp (Bondi & Spandorf) **240**
- Protein, killed *Bacterium coli*, and other dietary protein supplements compared, effect on growth, chick, young rat (Roberts) **353**
- Protein, plasma, concentration, and intestinal glucose absorption and protein deficiency, starvation, rat (Heller) **370**
- Protein, plasma, and plasma volume after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) **386**
- Protein, serum, in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Protein(s), vegetable, determination of essential amino-acids in, chemical and microbiological methods compared (Baptist) **205**
- Protozoa *see under* Micro-organism(s)
- Pseudo-cholinesterase, plasma, and type of work, English male industrial worker (Bransby) **100**
- Pseudo-cholinesterase, serum, in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Pyridoxin in blood after various periods on pyridoxin-deficient diet, rat (Ramalingaswami & Sinclair) **386**
- Pyridoxin deficiency and blood picture, rat (Ramalingaswami & Sinclair) **386**
- Rabbit, young, maternal vitamin A deficiency, and hydrocephalus and growth, convulsions, paralysis, head retraction, brain and optic-nerve lesions, vitamin A in blood plasma and liver (Lamming, Woollam & Millen) **363**
- Ragi, partial replacement by tuber flour, groundnut-cake flour, or both, effect on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Rat, age, body-weight and protein deficiency, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve (Mannell & Rossiter) **44, 56**
- Rat, age, body-weight, and thiamine deficiency, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve (Mannell & Rossiter) **56**
- Rat, calcium and nitrogen metabolism, rice and rice-tapioca diets compared (Subrahmanyam, Murthy & Swaminathan) **1**
- Rat, effect on food and fluid consumption, urine production and efficiency of calorie conversion of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both (Aaes-Jørgensen & Dam) **302**
- Rat, effect on growth of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both (Aaes-Jørgensen & Dam) **296**
- Rat, effect of kind and quantity of dietary fat on food and fluid consumption, urine production, efficiency of calorie conversion (Aaes-Jørgensen & Dam) **290**
- Rat, effect of kind and quantity of dietary fat on growth (Aaes-Jørgensen & Dam) **285**

- Rat, effect on nutritive value of poor Indian vegetarian diet for, of partial replacement of rice, wheat, ragi by tuber flour, groundnut-cake flour, or both (Subrahmanyam, Murthy & Swaminathan) **1**
- Rat, food and fluid consumption, urine production, efficiency of calorie conversion, growth on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared (Aaes-Jørgensen & Dam) **281**
- Rat(s) milk, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Rat, nutritional deficiency and Wallerian degeneration (Mannell & Rossiter) **44, 56**
- Rat, protein deficiency and body-weight, gastric emptying time, intestinal glucose absorption and tolerance, plasma-protein concentration, absence of intestinal lesions (Heller) **370**
- Rat, pyridoxin deficiency and blood picture (Ramalingaswami & Sinclair) **386**
- Rat, site of conversion of intravenously injected aqueous dispersion of carotene into vitamin A (Bieri & Pollard) **32**
- Rat, starvation and body-weight, gastric emptying time, intestinal glucose absorption and tolerance, plasma-protein concentration, absence of intestinal lesions (Heller) **370**
- Rat, tissue changes in tryptophan deficiency (Cole & Scott) **125**
- Rat, tryptophan-deficient, body-weight, blood values and liver composition, effect of acid-hydrolysed casein and whole-casein diets without, and with various amounts of, tryptophan (Cole & Scott) **125**
- Rat, vitamin A-deficient, bile-duct ligation, enterectomy or partial hepatectomy, and carotene and vitamin A in liver, serum, kidneys after intravenous injection of aqueous dispersion of carotene (Bieri & Pollard) **32**
- Rat, vitamin A-deficient, carotene distribution in tissues after intravenous injection of aqueous dispersion of carotene (Bieri & Pollard) **32**
- Rat, vitamin A-deficient, carotene and vitamin A in liver, serum, kidneys after oral or intravenous administration of aqueous dispersion of carotene (Bieri & Pollard) **32**
- Rat, vitamin A-deficient, growth response to carotene, with and without  $\alpha$ -tocopherol, oral and intravenous administration of aqueous dispersion of carotene compared (Bieri & Pollard) **32**
- Rat, vitamin A-deficient, nephrectomy, and carotene and vitamin A in liver and serum after intravenous injection of aqueous dispersion of carotene (Bieri & Pollard) **32**
- Rat, weight, histological picture and iodine content of thyroid gland, and Nigerian groundnut oil in diet (Buxton, Grundy, Wilson & Jamison) **170**
- Rat, young, growth and killed *Bacterium coli* dietary protein supplement (Roberts) **353**
- Red-cell count in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Respiratory-system lesions, Indonesian malnourished child with and without xerophthalmia compared (Oomen) **307**
- Riboflavin intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Rice, effect of partial replacement by tapioca in poor vegetarian diet on calcium, phosphorus and nitrogen metabolism, Indian adult man (Murthy, Swaminathan & Subrahmanyam) **11**
- Rice, effect of partial replacement by tapioca in poor vegetarian diet on growth, nutritional status, blood picture, Indian girl (Reddy, Doraiswamy, Sankaran, Swaminathan & Subrahmanyam) **17**
- Rice, Indian and Egyptian, distribution of nicotinic acid in grain (Hinton & Shaw) **65**
- Rice, partial replacement by tuber flour, groundnut-cake flour, or both, effect on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Rumen, weight and acidity of contents, bacterial count, and aureomycin feeding, calf (Mann, Masson & Oxford) **246**
- Salt, Indian bazaar, calcium content of (Murthy, Swaminathan & Subrahmanyam) **11**
- Samoa, Western, family life, food preparation and consumption, rearing and feeding of infants, child nutrition (Holmes) **223**
- Samoa, Western, traditional food habits, and undernutrition of weanling child (Holmes) **223**
- Schoolgirl, Northern Nigerian, nutritional status and clinical signs (Wilson) **83**
- Sciatic nerve, intact or sectioned, weight and nucleic-acid and phospholipid content, and age, body-weight, and protein deficiency, rat (Mannell & Rossiter) **44**
- Sciatic nerve, intact or sectioned, weight and nucleic-acid and phospholipid content, and age, body-weight, and thiamine deficiency, rat (Mannell & Rossiter) **56**
- Scutellum, nicotinic acid in, Indian and Egyptian rice grain (Hinton & Shaw) **65**
- Serum, carotene and vitamin A in, after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy, partial hepatectomy or nephrectomy, vitamin A-deficient rat (Bieri & Pollard) **32**
- Serum, carotene and vitamin A in, after oral or intravenous administration of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Serum cholesterol *see under* Cholesterol
- Serum protein, albumin, pseudo-cholinesterase and protein-bound lipids in protein-deficiency malnutrition, effect of high-calorie, high-protein diet, African adult man (Stanier & Holmes) **155**
- Sex, and haemoglobin values, and iron administration, university student (Garry, Sloan, de Weir & Wishart) **253**
- Sex, and intake of calories and nutrients, young child, England, 1951 (Bransby & Fothergill) **195**
- Sheep *see under* Ewe

- Shell, egg-, calcium reduction in, during laying on low-calcium diet, hen (Taylor & Moore) **112**
- Skeleton *see under* Bone(s)
- Skeletal depletion during laying on low-calcium diet, hen (Taylor & Moore) **112**
- Skin lesions, Indonesian malnourished child with and without xerophthalmia compared (Oomen) **307**
- Social characteristics, and intake of calories and nutrients, young child, England, 1951 (Bransby & Fothergill) **195**
- Sorghum, essential amino-acid content, Ceylon (Baptist) **218**
- Sow('s) milk, microbiological assay of vitamin B<sub>12</sub> in, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Starvation, basal metabolic rate and nitrogen katabolism in, old man, young adult, newborn infant (McCance & Strangeways) **21**
- Starvation and body-weight, gastric emptying time, intestinal glucose absorption and tolerance, plasma-protein concentration, absence of intestinal lesions, rat (Heller) **370**
- Starvation and body-weight and liver fat, pregnant ewe (Ferguson) **269**
- Stomach *see under* Gastric
- Survey, dietary, young child, England, 1951 (Bransby & Fothergill) **195**
- Survey, goitre, man, Ceylon, Nigeria (Wilson) **90**
- Survey, nutritional and clinical, English male industrial worker (Bransby) **100**
- Survey, nutritional and clinical, Northern Nigerian schoolgirl and young mother (Wilson) **83**
- Sweat, ascorbic acid, dehydroascorbic acid and thiamine in, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) **71**
- Tapioca, effect of partial replacement of rice by, in poor vegetarian diet, Indian adult man (Murthy, Swaminathan & Subrahmanyam) **11**
- Tapioca, effect of partial replacement of rice, wheat, ragi by, on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Thiamine deficiency and myotatic irritability, during and after food shortage, man, Berlin, 1949 (Berry) **165**
- Thiamine deficiency, and weight and nucleic-acid and phospholipid content of intact or sectioned sciatic nerve, rat (Mannell & Rossiter) **56**
- Thiamine intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Thiamine in sweat, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) **71**
- Thyroid *see also under* Goitre
- Thyroid enlargement, and iodine content of drinking water, and environmental conditions, man, Ceylon (Wilson) **90**
- Thyroid enlargement, and iodine and fluorine content of drinking water, and environmental conditions, man, Nigeria (Wilson) **90**
- Thyroid gland, weight, histological picture and iodine content, and Nigerian groundnut oil in diet, rat (Buxton, Grundy, Wilson & Jamison) **170**
- Tissue(s), carotene distribution in, after intravenous injection of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Tissue changes in tryptophan deficiency, rat (Cole & Scott) **125**
- $\alpha$ -Tocopherol, and growth response to carotene, oral and intravenous administration of aqueous dispersion of carotene compared, rat (Bieri & Pollard) **32**
- Toxaemia, pregnancy, on low-plane diet, clinical signs, ewe (Ferguson) **269**
- Toxicity, absence of, for chick, of killed *Bacterium coli* dietary protein supplement (Roberts) **353**
- Tryptophan deficiency, tissue changes, rat (Cole & Scott) **125**
- Tryptophan-deficient rat, body-weight, blood values and liver composition, effect of acid-hydrolysed casein and whole-casein diets without, and with various amounts of, tryptophan (Cole & Scott) **125**
- Tween 40 for preparing aqueous dispersion of carotene (Bieri & Pollard) **32**
- Ultrafiltration, milk, apparatus for (Gregory) **340**
- Undernutrition *see also under* Malnutrition and Starvation
- Undernutrition and myotatic irritability, man, Berlin, 1949 (Berry) **165**
- Undernutrition of weanling child, and traditional food habits, Western Samoa (Holmes) **223**
- Undernutrition and xerophthalmia and kwashiorkor, Indonesian child (Oomen) **307**
- United States, cholesterol intake from food, man (Keys & Keys) **138**
- Urinary system, absence of lesions in, Indonesian malnourished child with xerophthalmia (Oomen) **307**
- Urine, creatinine, ascorbic acid and dehydroascorbic acid in, tropically acclimatized European man with and without dietary ascorbic-acid supplement (Lugg & Ellis) **71**
- Urine production on diets containing no fat, hydrogenated groundnut oil or lard, and water, raw skim milk or whey, compared, rat (Aaes-Jørgensen & Dam) **281**
- Urine production, effect of kind and quantity of dietary fat, rat (Aaes-Jørgensen & Dam) **290**
- Urine production, effect of supplementing diets containing lard, groundnut oil or hydrogenated groundnut oil with raw skim milk, linoleic acid or both, rat (Aaes-Jørgensen & Dam) **302**
- Vegetable(s) *see also under* Lentil and Gram
- Vegetable proteins, determination of essential amino-acids in, chemical and microbiological methods compared (Baptist) **205**

- Vegetable-protein intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Vegetarian diet, poor Indian, effect on nutritive value of, of partial replacement of rice, wheat, ragi by tuber flour, groundnut-cake flour or both, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Vitamin A and carotene in kidneys after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy or partial hepatectomy, vitamin A-deficient rat (Bieri & Pollard) **32**
- Vitamin A and carotene in liver and serum after intravenous injection of aqueous dispersion of carotene, and bile-duct ligation, enterectomy, partial hepatectomy or nephrectomy, vitamin A-deficient rat (Bieri & Pollard) **32**
- Vitamin A and carotene in liver, serum, kidneys after oral or intravenous administration of aqueous dispersion of carotene, vitamin A-deficient rat (Bieri & Pollard) **32**
- Vitamin A deficiency, maternal, and hydrocephalus and growth, convulsions, paralysis, head retraction, brain and optic-nerve lesions, vitamin A in blood plasma and liver, young rabbit (Lamming, Woollam & Millen) **363**
- Vitamin A deficiency, signs of, Indonesian malnourished child (Oomen) **307**
- Vitamin A intake, young child, England, 1951 (Bransby & Fothergill) **195**
- Vitamin A, site of conversion of intravenously injected aqueous dispersion of carotene into, rat (Bieri & Pollard) **32**
- Vitamin B<sub>1</sub> *see under* Thiamine
- Vitamin B<sub>6</sub> *see under* Pyridoxin
- Vitamin B<sub>12</sub>, microbiological assay of, in milk and colostrum of various species, different methods of preparation of samples and different test organisms compared (Gregory) **340**
- Vitamin B<sub>12</sub>, occurrence in bound form in cow's, ewe's, goat's, rat's, sow's and woman's milk and in cow's and goat's colostrum (Gregory) **340**
- Vitamin C *see under* Ascorbic acid
- Vitamin E *see under*  $\alpha$ -Tocopherol
- Wallerian degeneration and nutritional deficiency, rat (Mannell & Rossiter) **44, 56**
- Wastage in preparation, various human foods (Chappell) **325**
- Waste, plate, in cadet mess, British armed forces (Widdowson, Edholm & McCance) **147**
- Water, drinking, iodine content, and incidence of thyroid enlargement, man, Ceylon (Wilson) **90**
- Water, drinking, iodine and fluorine content, and incidence of thyroid enlargement, man, Nigeria (Wilson) **90**
- Weight loss in cooking, various human foods (Chappell) **325**
- Whale oil, hydrogenated, and other dietary fats compared, effect on food and fluid consumption, urine production, efficiency of calorie conversion, rat (Aaes-Jørgensen & Dam) **290**
- Whale oil, hydrogenated, and other dietary fats compared, effect on growth, rat (Aaes-Jørgensen & Dam) **285**
- Wheat, partial replacement by tuber flour, groundnut-cake flour or both, effect on nutritive value of poor Indian vegetarian diet, rat (Subrahmanyam, Murthy & Swaminathan) **1**
- Woman, Northern Nigerian young mother, nutritional status and clinical signs (Wilson) **83**
- Work, type of, and diet, nutritional and clinical status, intake and expenditure of calories, English male industrial worker (Bransby) **100**
- Xerophthalmia, clinical picture and treatment, Indonesian malnourished child (Oomen) **307**
- Xerophthalmia and kwashiorkor and undernutrition, Indonesian child (Oomen) **307**