

Subject Index

- Apoprotein, *see* protein
- Apovitellenin I of emu egg yolk low-density lipoprotein, reactivity and ionization constants of the lysine residues in 433
- Aspergillus nidulans*, role of *areA* gene in the regulation of nitrogen catabolism in 301
- Avian proteins, molecular genetics of. XIII 545
- Bacillus subtilis*, alkaline phosphatase mutants of 323
- Basidiomycetes, extracellular polysaccharides of 227
- Bovidae, sweat glands and hair follicles of different species 55
- Bufo marinus*:
Effect of haemin on endogenous protein synthesis in oocytes 115
Interaction of organic phosphates with haemoglobin 367
- Cattle:
Artificial induction of lactation 183
Isolation of aggregates of spectrin from erythrocyte membranes 259
Pyridine nucleosidase in bull semen. I, II 267, 273
Rates of passage of digesta and water absorption along the large intestine 161
Sulphate recycling and metabolism 31
Sweat gland and hair follicle characteristics 55, 417
- Clothes moth, webbing, *see* *Tineola bisselliella*
- Corticosteroid concentrations, effects of insulin hypoglycaemia in the sheep on 503
- Dacus*, enzyme polymorphism and species discrimination in 405
- Dexamethasone trimethylacetate, use of, for artificial induction of lactation in cattle 183
- Drosophila paulistorum*, pole cells: embryologic differentiation with symbionts 133
- Emu egg yolk low-density lipoprotein, reactivity and ionization constants of the lysine residues in apovitellenin I of 433
- Enzymes, kinetic approach to defining the role of chemically modifiable residues at the active sites of 379
- Ewes:
Artificial induction of lactation 521, 525
Comparison of the uptake of [⁷⁵Se]selenite, [⁷⁵Se]selenomethionine and [³⁵S]methionine by tissues 239
Hormone studies on ewes grazing an oestrogenic (Yarloop clover) pasture during the reproductive cycle 279
Studies on ovine infertility in agricultural regions of Western Australia 85
See also sheep
- Fruit flies, genus *Dacus*, enzyme polymorphism and species discrimination in 405
- Glutathione and glycolytic enzyme levels of the erythrocytes of normal and glutathione-deficient Merino sheep 233
- Glutathione peroxidase activities in sheep and rat muscle 251
- Haematocrit, jugular:
Changes in, during feeding of sheep 43
Effects of insulin hypoglycaemia in the sheep on 503
- Haemin, effect of, on endogenous protein synthesis in oocytes of the Queensland cane toad 115
- Haemoglobin:
Interaction of organic phosphates with, in an amphibian, a reptile and man 367
Platypus, amino acid sequence of β -chain 353
- Hair follicles and sweat glands of different species of Bovidae 55, 417
- Japanaut and Tilligerry viruses, electron microscopy of 425
- Kangaroos, inheritance and inactivation of sex-linked allelic genes determining glucose-6-phosphate dehydrogenase variation in 567
- Lactation:
Artificial induction of, in cattle 183
Artificial induction of, in ewes 521, 525

Lambs:

- Amino acid imbalance in the liquid-fed lamb 169
- Comparison of the uptake of [^{75}Se]selenite, [^{75}Se]selenomethionine and [^{35}S]methionine by tissues 239
- Retention of ^{45}Ca associated with the onset of nutritional muscular dystrophy 457
- See also sheep

Lipoprotein, *see* protein

Lizard, *Varanus*, chromosomal evolution in 89

Metatherian sex chromosomes, studies on. I 567

Microbiological aspects of wood chip storage in tropical environments 315

Mimosine:

- Effects of intravenous infusion of, on wool growth of Merino sheep 483
- Effects on wool growth and the skin of sheep 69
- Fate of, when administered orally to sheep and its effectiveness as a defleecing agent 495

Monkey kidney epithelial cell cultures, osmotic effects of sorbitol accumulation 109

Monotreme proteins, studies on. VI 353

Moth, webbing clothes, *see* *Tineola bisselliella*

Mouse, extra-ovarian effects of bovine prolactin and growth hormone on the vagina 399

Neurospora crassa, occurrence in wild strains of, of genes controlling genetic recombination 213

Orbivirus group, two proposed members of 425

Ornithorhynchus anatinus, amino acid sequence of the β -chain of haemoglobin from 353

Passerines, Australian, protein polymorphism in three species of 545

Pigs, rates of passage of digesta and water absorption along the large intestine 161

Platypus, *see* *Ornithorhynchus anatinus*

Protein:

- Apoproteins of the major lipoprotein of the yolk of hen's eggs. I 121
- Avian, molecular genetics of. XIII 545

Extra-ovarian effects of bovine prolactin and growth hormone on the vagina of the mouse 399

Influence of nutrition on the crimping rate of wool and the type and proportion of constituent proteins 389

Monotreme, studies on. VI 353

Reactivity and ionization constants of the lysine residues in apovitellenin I of emu egg yolk low-density lipoprotein by competitive labelling 433

Puccinia recondita, gene *Lr23* for reaction to, in Gabo and related cultivars 201

Pyridine nucleosidase in bull semen. I, II 267, 273

Queensland cane toad, *see* *Bufo marinus*

Rabbit, ovariectomized, hormonal support of pregnancy in 291

Rats:

- Characterization of the RNA synthesizing activity of isolated kidney nuclei 465
- Dependence upon bile volume of the biliary excretion of bromocresol green and amaranth 339

Glutathione peroxidase activities in muscle and some effects of selenium deficiency 251

Influence of cage bedding on the metabolism of sulphobromophthalein sodium by an hepatic cytosol-located enzyme system 25

Retention of ^{45}Ca associated with the onset of nutritional muscular dystrophy 457

Rye stem rust, physiologic specialization 539

Salmonella typhimurium mutants deficient in DNA polymerase I 559

Sheep:

Changes in jugular haematocrit during feeding 43

Effect of experimental anaemia on the levels of glutathione and glycolytic enzymes of the erythrocytes of normal and glutathione-deficient Merinos 233

Effects of egg yolk, glycerol and the freezing rate on the viability and acrosomal structures of frozen ram spermatozoa 153

Effects of insulin hypoglycaemia on jugular haematocrit and plasma corticosteroid concentrations 503

Effects of intravenous infusion of mimosine on wool growth of Merinos 483

- Effects of mimosine on wool growth and the skin 69
- Fate of mimosine administered orally and its effectiveness as a defleecing agent 495
- Glutathione peroxidase activities in muscle 251
- Influence of some fractions of egg yolk on the survival of ram spermatozoa at 5°C 145
- Rates of passage of digesta and water absorption along the large intestine 161
- Renal response to intravenous phosphate infusion 511
- Responses to the lowering of magnesium and calcium concentrations in the cerebrospinal fluid of unanaesthetized sheep 475
- Studies on infertility, in agricultural regions of Western Australia 85
- Sulphate recycling and metabolism 31
See also lambs, ewes
- Sweat glands and hair follicles of different species of Bovidae 55, 417
- Tilligerry and Japanaut viruses, electron microscopy of 425
- Tineola bisselliella*:
Aminopeptidases in the keratinolytic larvae 447
Proteases in the keratinolytic larvae 1
Proteinases in the keratinolytic larvae 439
- Toad, Queensland cane, *see* *Bufo marinus*
- Trachydosaurus rugosus*, interaction of organic phosphates with haemoglobin 367
- Triticum monococcum*, transference of genetic characters from, to hexaploid wheat 189
- Varanus*, chromosomal evolution in 89
- Viruses, Japanaut and Tilligerry, electron microscopy of 425
- Webbing clothes moth, *see* *Tineola bisselliella*
- Wheat:
Cytogenetical studies. VII, VIII 201, 531
Hexaploid, cytogenetic analysis of two chromosomal male-sterility mutants 413
Hexaploid, transference of genetic characters from *Triticum monococcum* to 189
- Wood chip storage in tropical environments, microbiological aspects 315
- Wool:
Influence of nutrition on the crimping rate and the type and proportion of constituent proteins 389
Inhibition of synthesis of tyrosine-rich proteins 331
- Wool growth:
Effects of intravenous infusion of mimosine on, of Merinos 483
Effects of mimosine on 69