

Subject Index

- Adenohypophysis, ultrastructural changes following unpredictable stress in the rat 559
- Androgen biosynthesis via the 5-ene pathway 85
- Aphidoidea, colouring matters of. XLII 173
- Beijerinckia*, nitrogenase activity of 593
- Biotin deficiency and the development of the fatty liver and kidney syndrome in chickens 57
- Cetyltrimethylammonium bromide, effects of, on diluted bovine spermatozoa 297
- Chickens, fatty liver and kidney syndrome in 57
- Chymotrypsin inhibitor from the parasitic nematode *Oesophagostomum radiatum* 411
- Conglutin γ , amino acid sequence of the smaller subunit of 33
- Creatine kinase from human skeletal muscle 507
- Cutaneous moisture loss, effect of lipid solvents on 197
- Cyst(e)ine synthesized by microbial activity in the ruminant caecum 197
- Desulfovibrio gigas*, dithionite reduction in the presence of a tetrapyrrole-containing fraction from the desulfovibrin of 21
- Desulfovibrin of *Desulfovibrio gigas*, dithionite reduction in the presence of a tetrapyrrole-containing fraction from 21
- Dimethyl sulphoxide, effect of, on the expression of nitrogen fixation in bacteria 141
- Drosophila melanogaster*, variation in the direction of selection applied by pentenol to the alcohol dehydrogenase locus in 259
- Echidna keratin proteins 401
- Electrophoretic comparisons between allopatric populations of five Australian pseudomyine rodents 471
- Eriosoma lanigerum* Hausmann, pigment transformations in 173
- Eucalyptus pauciflora*, mating system and hybridity in 337
- Eutherian and marsupial cell fusion and hybridization. I, II 445, 461
- Ewes
- Artificial induction of lactation in 573
 - Effects of oestradiol and progesterone on uterine metabolism and on embryo survival 279
 - Ovariectomized, concentrations of luteinizing hormone in 97
 - Ovariectomized, luteinizing hormone release in 217
 - Ovariectomized, oestradiol and progesterone receptor levels and metabolism in the uterus 225
 - Pattern of follicular growth and atresia in the ovary 229
- Fatty liver and kidney syndrome in chickens: an ultrastructural study 57
- Fowl, analysis of ovulation-oviposition patterns in 243
- FSH, levels associated with implantation in the mouse 289
- Grey kangaroos:
- Milk carbohydrates 379
 - X linkage of PGK-A with paternal X inactivation in erythrocytes 115
- Goats:
- Responses of thyroid activity to feed restriction 207
- Haemoglobin of the newt 1
- Haemoglobins of the shark. III 487
- Hedgehog keratin proteins 401
- Heterodontus portusjacksoni*, amino acid sequence of the β -chain 487
- Hoof keratin proteins from sheep 389
- Horn keratin proteins from sheep 389
- Kangaroos:
- Eastern grey, milk carbohydrates 379
 - Paternal X inactivation 115
 - Pgk-A* locus in some tissues of *Macropus giganteus* and *M. parryi* 421
- Keratin proteins of echidna, hedgehog, rabbit, ox and man 401
- Keratin proteins of wool, horn and hoof from sheep 389
- Lupinosis, isolation of toxic metabolites of *Phomopsis leptostromiformis* responsible for 269
- Lupinus angustifolius*, amino acid sequence of the smaller subunit of conglutin γ 33
- Luteinizing hormone:
- Concentrations of, in ovariectomized ewes 97
 - Effect of ingestion of oestrogenic clover on the release of, in the ovariectomized ewe 217
 - Levels associated with implantation in the mouse 289

- Macropus eugenii*, regulation of gluconeogenesis in pouch young 183
- Macropus giganteus*:
Pgk-A allele in cultured fibroblasts 431
Pgk-A locus in some tissues 421
- Macropus parryi*:
Pgk-A allele in cultured fibroblasts 431
Pgk-A locus in some tissues 421
- Man, keratin proteins of 401
- Marsupial and eutherian cell fusion and hybridization. I, II 445, 461
- Marsupial milk carbohydrates 379
- Metatherian sex chromosomes.
 III, IV, V, VI 103, 115, 421, 431
- Mice:
 Implantation of transferred blastocysts 577
 Selection for constancy of score and pattern of secondary vibrissae in 303
- Milk carbohydrates of marsupials 379
- Mimosine administration, wool follicle regeneration after 367
- NAH and TOL catabolic plasmids in *Pseudomonas putida* 357
- NAH plasmid-encoded catechol *meta*-cleavage pathway, mutants with altered metabolic control of 583
- Newt, *see Taricha granulosa*
- Oesophagostomum radiatum*, chymotrypsin inhibitor from 411
- Oestradiol:
 Effects on uterine metabolism and on embryo survival in the ewe 279
 Receptor levels in the ovariectomized ewe 225
- Ox keratin proteins 401
- Pgk-A* allele in cultured fibroblasts of *Macropus giganteus* and *M. parryi* 431
- Pgk-A* locus in some tissues of *Macropus giganteus* and *M. parryi* 421
- PGK-A, X linkage with paternal X inactivation in grey kangaroo erythrocytes 115
- Phaulacridium*, population cytology of. V, VI 319, 329
- Phaulacridium marginale*, Omarama population, population cytology of 319
- Phaulacridium vittatum*, seasonal changes in the frequency of the B chromosome of 329
- Phomopsis leptostromiformis*, isolation of toxic metabolites of 269
- Progesterone:
 Effects on uterine metabolism and on embryo survival in the ewe 279
 Plasma levels of, associated with implantation in the mouse 289
 Receptor levels in the ovariectomized ewe 225
- Prostaglandin, use of, in artificial induction of lactation in ewes 573
- Pseudomonas aeruginosa*, apparent fusion of the TOL plasmid with the R91 drug resistance plasmid in 345
- Pseudomonas putida*:
 Metabolism of D- and L-lactate by 553
 NAH and TOL catabolic plasmids in 357
- Pseudomyine rodents, electrophoretic comparisons between allopatric populations 471
- Pyrrolidonecarboxylate peptidase of *Streptococcus faecium* 543
- R91 drug resistance plasmid, apparent fusion with the TOL plasmid in *Pseudomonas aeruginosa* 345
- Rabbit:
 Keratin proteins 401
 Sarcoplasmic reticulum preparations from skeletal muscles 519
 Stability of segments of α -tropomyosin 527
- Rat:
 Ultrastructural changes in the adeno-hypophysis, adrenal gland activity, and desynchronization of the oestrous cycle following unpredictable stress 559
- Shark, *see Heterodontus portusjacksoni*
- Sheep:
 Heterozygosity: polymorphism of 'malic enzyme', isocitrate dehydrogenase (NADP⁺), catalase and esterase 127
 Measurement of extracellular fluid volume and blood volume 71
 Sulphur-selenium studies 47
 Wool, horn and hoof keratin proteins 389
- Spermatozoa, effects of cetyltrimethylammonium bromide on 297
- Streptococcus faecium*, pyrrolidonecarboxylate peptidase of 543
- Sulphate-reducing bacteria, possible substrates for 155
- Tammar wallaby, *see Macropus eugenii*

Taricha granulosa, α -chain sequence of
haemoglobin 1

TOL and NAH catabolic plasmids in
Pseudomonas putida 357

TOL plasmid, apparent fusion with the R91
drug resistance plasmid in *Pseudomonas*
aeruginosa 345

Vibrissae, secondary, selection for constancy
of score and pattern of in mice 303

Wool follicle regeneration after plucking and
mimosine administration 367

Wool keratin proteins 389

Woolly aphid, *see Eriosoma lanigerum*

