

VOLUME XX

INDEX OF SUBJECTS AND AUTHORS

Only main topics are listed, and reference is given to the first page of each paper in which they are discussed

- Alfaro, Guillermo, 279
Arion ater, protein polymorphism, 161
 Ayala, Francisco J., 19
- Badman, Rosemary, 213
 Bayliss, M. W., 193, 201
 Belt, Anne Louise, 115
 Braithwaite, J. A., 175
Brassica genotype, phenotype relationships in self-incompatibility protein, 151
 Browder, Leon W., 263.
 Bulfield, Grahame, 51
 Burnet, Barrie, 115, 161
- Carey, K. E., 137
 Cooke, Janathan, 317
 Craig-Cameron, T. A., 101
 Curtis, C. F., 101
- Drosophila equinozialis*, genic variation in natural populations, 19
Drosophila melanogaster, melanotic tumours – modification of dominance of gene, 115
 physiological genetics, 317
- Enzyme studies, *Arion ater* polymorphisms, 161
Escherichia coli characterisation of alanine racemase mutant, 269
 Mouse *obese* and *adipose*, 51
Neurospora photoreactivation, 9
Escherichia coli, chromosomal integration of β -lactamase gene from R factor RP1, 231
 mucopeptide genes, 65
 alanine racemase mutant, 269
- Falconer, D. S., 291
 Fixation time of overdominant alleles, 1
- Glossina austeni*, Chromosome translocations, 101
 Grubb, W. B., 43
- Hardy, K. G., 331
 Hastings, P. J., 253
 Hill, W. G., 75
- Isaacson, J. H., 291
- Kimura, Motoo, 1
Klebsiella aerogenes V9A, lactose mutants, 175
 tetracycline resistance, 239
 Krishnapillai, V., 137
- Madelena, F. E., 75
 Mallyon, S. A., 257
 Maruyama Takeo, 141
 Mathematical genetics and simulation studies, 1, 75, 141
 May, J. W., 43
 Meynell, G. G., 331
 Mouse enzyme studies of *obese* and *adipose* mutants, 51
 unusual recombination values and mapping of lethal miniature, 257
 Mutations, *Escherichia coli* alanine racemase, 269
Escherichia coli mucopeptides, 65
 Mouse *brindle* in selection, 291
 Mouse *obese* and *adipose* enzyme studies, 51
- Nasrallah, M. E., 151
Neurospora crassa – assay of photoreactivating enzyme, 9
- Ohta Tomoko, 1
 O'Reilly, R. J., 43
- Pell, P. E., 101
 Plasmids, model relating replication and expression of colicin factor E2–P9, 331
 relationship between transfer systems, 279
Pseudomonas aeruginosa – prophage location, 137
- Rana pipiens* – subvital gene linked to Burnsi locus, 263
 Reeve, E. C. R., 175, 239
 Recombination – source of primary nucleotide chain breaks in eukaryotes, 253
 unusual values in miniature mouse, 257
 Replication of colicin factor E2–P9, 331

- R-factors, chromosomal integration of an RP1 β -lactamase gene, 231
 conferring resistance to tetracyclines, 239
- Richmond, M. H., 231
- Riley, Ralph, 193, 201
- Robertson, J. M., 239
- Sang, J. H., 317
- Savo, R. M., 151
- Selection, in *brindled* mice, 291
 intensity effect on fixation of over-dominant alleles, 1
 population structure in artificial selection programmes, 75
- Southern, D. I., 101
- Staphylococcus aureus* segregation of cotransduced markers, 43
- Sterols effect on melanotic tumours in *Drosophila*, 317
- Streptomycin resistance transduction in *S. aureus*, 43
- Sykes, R. B., 231
- Tetracycline resistance – transduction in *S. aureus*, 43
 – mediated by R-factors in *E. coli* and *K. aerogenes* V9A, 239
- Tracey Martin, L., 19
- Translocation in *Glossina austeni*, 101
- Triticum aestivum* – analysis of temperature – dependant asynapsis, 193
 pre-meiotic control of chromosome pairing, 201
- Tuveson, R. W., 9
- Wallace, D. H., 151
- Wallace Margaret E., 257
- Wijsman, H. J. W., 65, 269
- Willetts, Neil, 279