

INDEX OF SUBJECTS

- Additive genetic component of variance, estimates of, 41-48
- amniocentesis—results of a study in West Midlands, 276
- analysis of interchange heterozygosity in rye, 283-289
- of *vestigial* mutations in *Drosophila*, 277
- antimitochondrial activity of chemical carcinogens, 280
- antimycin A resistant human cell line, 281
- apomictic plant populations, variations in, 159-172
- assortative mating and speciation, 173-186
- B chromosomes in grasshopper, 397-401
- breeding system of cabbage, 373-379
- systems in *Myosotis*, 149-157
- chloroplast genome, 278
- chromosomal abnormalities in human malignancies, 275
- location of zein genes, 33-40
- chromosome substitution in wheat, 247-258
- cold resistance and vernalisation in wheat, 125-132
- colour patterns of droneflies, 223-236
- polymorphism in *Adalia*, factors maintaining, 57-65
- comparisons between *Triticum* and *Aegilops* in repeated sequence DNA, 309-322
- control of height in *Nicotiana*, 299-307
- crossing wheat varieties with *Hordeum bulbosum*, 291-298
- cyanogenesis in *Trifolium*, 49-56
- cyclic changes at the *pal* locus in *Antirrhinum*, 277-278
- cytochrome *f* synthesis by isolated pea chloroplasts, 281
- development of B chromosomes in a grasshopper, 397-401
- dikaryon morphogenesis in *Coprinus*, 273
- disruptive selection, 327-335
- ethanol tolerance in *Drosophila*, 79-89
- fitness of hybrid frogs, 381-389
- four-point mitochondrial crosses in *Aspergillus*, 280
- gene controlled inflorescence morphology and variation for height in *Nicotiana*, 299-307
- gene modifying sex ratio in *Sciara*, 353-357
- gene, split, in mitochondrial DNA, 280
- genetical analysis of chromosome substitution, 247-258
- society in 1924, 113-117
- genetic control factor in *Ascobolus*, 273
- of cold resistance in wheat, 125-132
- of pre-eclampsia, 275-276
- variation in the dronefly, 223-236
- genetics of crossability of Chinese spring wheat with *H. bulbosum*, 291-298
- flowering time differences in *Antirrhinum*, 277
- heterostyly in *Hypericum*, 271-272
- genotype—environment interaction, 1-11
- geographical variation in body size in milkweed beetles, 143-148
- glossy mutants of maize, 391-395
- growth rate and mitosis in fission yeast, 282
- hermaphroditism and the H-Y antigen, 276-277
- heterozygosity, interchange, in rye, 283-289
- hybrid zone between frogs, 381-389
- in *Caledia*, 13-32
- inbreds, recombinant, produced by single seed descent, 41-48
- inbreeding depression, 155
- incompatibility in *Myosotis*, 149-157
- inheritance of pheromones in butterflies, 359-371
- insect herbivores colonising cyanogenic *Trifolium*, 49-56
- interaction between closely linked allelic frameshift mutants, 337-352
- lactam utilisation in *Aspergillus*, 273-274
- linkage disequilibrium, estimation of, 105-111
- mating in polymorphic *Adalia*, 57-65
- structure of *Tetraopes* populations, 143-148
- mitochondrial biogenesis in *Paramecium*, 278
- crosses in *Aspergillus*, 280
- DNA of *Neurospora*, split gene in, 280
- region, mosaic organisation of, 279
- genetics of *Ascomycetes*, 278-279
- inheritance by protoplast fusion, 275
- mutants, glossy, of maize, 391-395
- mutation at assortative mating locus, 178
- in *Saccharomyces*, 274

- phenotypic variation in *Maniola*, 91-104
- pheromones in butterflies, 359-371
- polymorphism in an isopod, 187-199
- quantitative variation of rDNA genes in flax, 237-246
- radiosensitivity in Huntington's chorea cell strains, 276-277
- random sorting-out of plastids, 281
- randomly mating populations, linkage disequilibrium in, 105-111
- recombination in *Ascobolus*, 337-352
 lack of, between X chromosomes of *Anopheles*, 323-326
- repeated sequences in *Triticum* and *Aegilops*, 309-322
- ribosomal RNA genes in flax, 237-246
- selected cultivar of cabbage, breeding system of, 373-379
- selection and sex ratio in an isopod, 187-199
 at assortative mating locus, 180
 effect of, on maintenance of variation, 163
 in marginal populations, 259-266
 melanica Psocid, 133-142
- sex alleles in honeybees, 267-269
 associated translocation in dioecious species, 201-222
 determination in Lemmings, 67-77
 ratio in *Sciara*, 353-357
 single seed descent, 41-48
 spot number in *Maniola*, 259-266
- starvation, effect of, on synthesis of P¹ dsRNA in *Saccharomyces*, 274
- translocation heterozygosity and dioecy in *Viscum*, 201-222
- variation between generations, 259-266
 in apomicts, 159-172
 in *Maniola*, 91-104
 of rDNA genes in flax, 237-246
- vernalisation in wheat, 125-132
- vestigial mutations of *Drosophila*, 277
- viability in *Drosophila* eggs transferred to ethanol food, 79-89
- visual selection by predators in melanica Psocids, 133-142
- X chromosomes of *Anopheles*, 323-326
- zein genes in maize, 33-40