

## Subject Index

- absence of variation in isolated populations of a land snail, 239-244
- adaptation to new host plants of the apple maggot fly, 245-265
- additive genotypic variance, estimation of, 73-81
- allozyme heterozygosity and viability in the European oyster, 359-372
- variation in *Drosophila melanogaster*, 343-352
- amylase polymorphism in *Drosophila ananassae*, 67-72
- anther culture in Brussels sprouts, 89-95
- autocorrelation, spatial, of genotypes in *Impatiens*, 181-189
- B-chromosome selection in *Allium*, 83-87
- stability and inheritance of, in *Crepis*, 19-27
- chiasma frequency, sex differences in, in *Dendrocoelum*, 97-106
- chromosome segregation, 11-18
- colchicine treatment of ryegrass seedlings, changes induced by, 339-342
- competitive ability, dominance for, in *Drosophila*, 221-229
- differences in heterochromatic bands in *Triturus*, 119-123
- disequilibrium in *Impatiens*, 1-9
- DNA content in *Larrea*, 321-328
- dominance for competitive ability in *Drosophila*, 221-229
- environmental sex determination, 315-320
- esterase 6 in *Drosophila*, 203-208
- estimation of additive genotypic variance, 73-81
- of linkage, maximum likelihood of, 401-408
- erucic acid content, inheritance of, in *Brassica napus*, 309-314
- evolutionary genetics, 428, 429
- relatedness and ovary transplants in *Drosophila*, 29-35
- fatty acid composition of resynthesized *Brassica napus*, 309-314
- fitness estimators to increase viability in the European oyster, 359-372
- in *Drosophila melanogaster*, effects of allozyme variation on, 343-352
- frequency clines for the apple maggot fly, 245-266
- gene flow between distantly related species, 353-357
- genes causing postzygotic isolation in *Drosophila*, 231-237
- genetic admixture in Japanese mice, 299-308
- analysis of enzyme phenotypes, 135-141
- of locomotor activity in *Drosophila*, 107-117
- consequences of outcrossing, 1-9
- control of plastid inheritance, 145-153
- of polymorphism in *Impatiens*, 181-189
- factors and chromosome pairing in *Avena*, 209-219
- structure and mating system in bird-pollinated mallee, 383-393
- variation in *Danaus*, 191-194
- in ryegrass, 339-342
- lack of, in a land snail, 239-244
- genetics of *Hypolimnys misippus* hindwing polymorphism, 409-425
- genome analysis, 428
- gynodioecism in *Cortaderia*, 373-382
- heterochromatin, characterization of, in *Triturus*, 119-123
- heterozygosity and fitness in the European oyster, 359-372
- in relation to activity times in *Danaus*, 191-194
- hindwing polymorphism in an African butterfly, 409-425
- host plants, adaptation to new, by the apple maggot fly, 245-266
- hybridisation in *Drosophila melanogaster*, effect of a mutation rate, 155-162
- in two species of rice, 353-357
- inheritance of B-chromosomes in *Crepis*, 19-27
- tetrasomic, in blueberries, 11-18
- interaction between transposable elements, 125-133
- irradiated pollen in rice, 163-170, 171-179
- isozyme phenotypes, genetic analysis of, 135-141
- land snail, lack of genetic variation in, 239-244
- larval crowding and adult mating behaviour in *Drosophila*, 195-202
- linkage between a marker gene and a quantitative locus, 401-408
- map in maritime pine, 267-274
- locomotor activity in *Drosophila*, 107-117
- longevity and environmental sex determination, 315-320
- male sterility in *Beta maritima*, 395-400
- in *Cortaderia*, 373-382
- mating success, effect of larval density on, in *Drosophila*, 195-202
- system in a bird-pollinated mallee, 383-393
- maximum likelihood estimation of linkage, 401-408
- meiotic sex differences in *Dendrocoelum*, 97-106
- mouse Y chromosome evolution, 289-297
- mutation rates in hybrid *Drosophila*, 155-162
- nuclear DNA, variation in *Larrea*, 321-328
- genes from Japanese wild mice, 299-308
- outcrossing in *Impatiens*, genetic consequences of, 1-9
- levels in two sympatric species of *Carduus*, 329-337
- ovary transplants in *Drosophila*, 29-35
- P elements in *Drosophila* populations, 47-58
- plant population performance in spaced-plant trials, 37-45
- molecular biology, 427, 427-428
- plastid inheritance, genetic control of, 145-153
- pollen flow and dynamics of male sterility in *Beta maritima*, 395-400
- direction of, in rice, 353-357
- polymorphic esterase 6, numbers of, in *Drosophila* populations, 203-208
- polymorphism of amylase in *Drosophila ananassae*, 67-72
- polyphyletic origin in Japanese mice, 299-308
- population size in social Hymenoptera, 59-65
- substructure in *Impatiens*, 181-189
- post-zygotic isolation in *Drosophila* hybridisation, 231-237
- protein amounts, loci controlling in maritime pine, 267-274
- rice pollen, tolerance of, to radiation, 163-170, 171-179
- selection for B-chromosomes in *Allium*, 83-87
- self-fertilization studies in *Carduus*, 329-337

single seed descent lines in Brussels sprouts, 89-95  
spaced-plant trial technique, 37-45  
speciation genes in *Drosophila*, 231-237  
synaptonemal complex formation in *Avena*, 209-219  
tetrasomic inheritance in blueberries, 11-18

transposable elements, interactions between, in *Drosophila*,  
125-133  
variation in plastid inheritance, 145-153  
variations of a Y-chromosome repeated sequence, 289-297  
vitellogenin uptake and evolutionary relatedness, 29-35