

Subject Index

- Adh* thermostable alleles, molecular similarity of, 1–6
agamospory in a fern, 221–227
allele frequencies, variations in the pollen pool of a *Eucalyptus*, 189–199
allele frequency estimation, 429–433
allozymes in diploid and polyploid *Galium*, 369–378
allozyme variability in beechwoods, 407–417
 variation in a social bee, 241–248
analysis of viability data, 39–46
antagonistic pleiotropy and wing dimorphism in the sand cricket, 169–177
Antennapaedia phenotype in *Drosophila melanogaster*, genetic effects on, 321–327
association of genes and characters in rice hybrids, 75–79
autotetraploidy in *Plantago media*, 349–357
- body colour in a land snail, *Theba pisana*, 123–126
borage, selection of, for pharmaceutical uses, 249–257
- cell size and fertility in *Plantago media*, 349–357
character and gene association in rice hybrids, 75–79
chiasma formation, control of, in a grasshopper, 419–422
chromosomal polymorphism in *Gobius paganellus*, 151–155
chromosome constitution and meiosis in *Triticale*, 21–25
 pairing in an *Achillea* hybrid, 11–20
choice of microhabitat and polymorphism in snails, 449–454
colour polymorphism in a spider, 67–74
 in *Danaus plexippus*, 401–406
contrasting sites of black spruce, genetic structure of, 393–399
- density in *Phlox* populations and outcrossing rates, 81–89
differences in chiasma frequency in a grasshopper, 419–422
diploid and polyploid populations of *Galium*, allozymes in, 369–378
DNA polymorphisms in mole-rats, 307–320
double haploid barley, effect of selection for isozyme and protein phenotypes in, 115–122
- emergence time of host races, divergence in, 47–50
endonuclease banding in *Tenebrio molitor*, 157–162
estimation of allele frequency, 429–433
evolutionary process in species *Pycnogaster*, 7–10
evolution of longevity in *Drosophila melanogaster*, 29–38
 of the *obscura* group of *Drosophila*, 269–275
 of wing dimorphism in the sand cricket, 169–177
- female size and mating success in seaweed flies, 91–97
- gametic disequilibrium and multilocus estimation of selfing rates, 343–347
 selection in hybrid rice populations, 75–79
gene flow differential, effect on emergence time, 47–50
genes, effect of, on quantitatively varying characters in barley, 259–264
genetic background effects on *Antennapaedia*, 321–327
 diversity and experimental correlates in mole-rats, 307–320
 markers in *Vicia*, 329–341
- genetics of a primitively social bee, 241–248
 of salt tolerance and vigour in barley, 99–107
genetic structure of black spruce, 393–399
genetic variation in *Arrhenatherum elatius*, 179–188
 in *Ceratitidis capitata*, 59–66
 in Louisiana irises, 297–305
 in *Pteris cretica*, 221–227
genotypic-specific habitat selection, 145–149
- habitat selection, estimation of, 145–149
heterochromatin variation in *Anopheles maculipennis*, 135–142
HMW glutenin in *Aegilops*, 455–463
host race divergence, 47–50
hybrid viability in *Drosophila*, 435–447
- IB/IR translocations in hexaploid wheat, 385–392
introgression and hybrid speciation in irises, 297–305
- joint estimation of selfing rates, 289–296
- karyotype analysis in a beetle, 157–162
- latent NOR's in *Pycnogaster*, 7–10
linkage disequilibrium in a social bee, 241–248
longevity, evolution of, in *Drosophila melanogaster*, 29–38
- major genes, effects of quantitatively varying characters in barley, 259–264
mating choice in seaweed flies, 91–97
 in the two-spot ladybird, 229–240
meiotic expression of chromosome structure, 21–28
 pairing in a pentaploid hybrid, 11–20
 studies in the common shrew, 359–367
microhabitat choice in land snails, 449–454
 minute-locus in *Drosophila melanogaster*, 51–57
model, two-locus, for estimating selfing rates, 289–297
molecular similarity of *Drosophila melanogaster*, 1–6
morph frequencies, variation between areas in a Hawaiian spider, 67–74
 frequency in the polymorphic mangrove snail, 423–427
multilocus estimation of selfing rates, 343–347
- non-random mating in the two-spot ladybird, 229–240
- origin of B-genome of wheat, 455–463
 of double insertion, 265–267
outcrossing rates and plant density in *Phlox*, 81–89
ovipositing females, number of, in *Ceratitidis capitata*, 59–66
- pharmaceutical uses of borage as a seed crop, 249–259
phylogenetic relationships in *Drosophila subobscura*, 269–275
polygenetic variation, stabilising selection for, 127–133
polymorphic mangrove snail, morph frequency in the, 423–427
polymorphism, effect of habitat preference on, 145–149
 in land snails, 449–454
 predator induced in *Danaus plexippus*, 401–406
polyploidization, effect of on fertility and cell volume in *Plantago media*, 349–357
population structure in *Ceratitidis capitata*, 59–66

- predator induced colour polymorphism in the Monarch butterfly, 401-406
- quantitatively varying characters in barley, effect of major genes on, 259-264
- quantitative traits in double haploid barley, 115-122
- restriction endonuclease banding of *Tenebrio molitor* chromosomes, 157-162
- RFLPS as genetic markers in *Vicia*, 329-341
- ribosomal protein gene in *Drosophila melanogaster*, 51-57
- Robertsonian fusion in chromosomes of *Gobius paganellus*, 151-155
- role of G6PD in evolution of longevity, 29-38
- salt tolerance and vigour in barley, 99-107
- SC analysis of shrews, 359-367
- selection and wing dimorphism in a cricket, 163-168
 - during a selfing programme, 201-211, 213-220
 - for protein and isozyme loci in double haploid barley, 115-122
 - on body colour in a land snail, 123-126
- selfing rates, joint estimation of, 289-297
 - multilocus estimation of, 343-347
- sex difference in recombination frequency in *Arabidopsis*, 379-383
- sex-limited variability and mimicry in a butterfly, 109-114
- single round of selection effects of, 201-211
- spatial differentiation in populations of beechwoods, 407-417
- spider migration, estimates of, 67-74
- stabilising selection for polygenic variation, 127-133
- synaptic alignment, response to different degrees of homology, 11-20
- thermostable alleles of *Adh* in *Drosophila melanogaster*, 1-6
- translocations in hexaploid wheat, 385-392
- two or more rounds of selection, effects of, 213-220
- variability, allozymic in beechwoods, 407-417
- variation, allozymic in Louisiana irises, 297-305
 - between populations of *Arrhenatherum elatius*, 179-188
 - in heterochromatin in two *Anopheles* species, 135-142
 - in wing pattern in the swallowtail butterfly, 109-114
 - temporal in allele frequencies of *Encalyptus rhodantha*, 189-199
- viability data in *Drosophila*, 39-46
- wing dimorphism in the sand cricket, 163-168, 169-177