

## Subject Index

Entries followed by the letters (Abs) refer to abstracts of papers given at a meeting of the Genetical Society.

- Adh* activity and Ethanol tolerance in *Drosophila*, 185-190  
*Adh* locus of *Drosophila*, detoxification associated with, 167-175  
alcohol ingestion in *Drosophila*, metabolic response to, 123-128  
alleles, rare, distribution of, 409-416  
allelic and genotypic frequencies in housefly, 289-298  
allelic expression of *Gpdh* in *Drosophila*, 227-235  
allozymic similarities among 7 species of land snails, 319-327  
aminoacylase-1 isoenzymes, 157-160  
amylase loci in *Asellus*, 105-110  
analysis of chromosome C-banding pattern, 365-372
- banding techniques and heterochromatin variants, 161-165  
behavioural responses to novelty in mice, 55-63  
breeding structure in housefly, 289-298
- chiasma frequency and bivalent length, relationship between, 305-310  
chiasma variation in 2 chromosomes, 177-184  
chromosome association at meiosis in hybrids, 97-103  
chromosome segment supernumerary in grasshopper, 237-241  
comparison of inbred lines, 263-276  
comparison of morphs of *Senecio vulgaris*, 355-364  
crossfertilisation in *Pellia borealis*, 299-304  
cytogenetic studies in gomphocerine grasshoppers, 365-372
- detoxification associated with *Adh* in *Drosophila*, 167-175  
development density and longevity in *D. melanogaster*, 329-335  
diazinon resistance locus, selection at, in a blowfly, 373-380  
differential grazing by a mollusc, 277-281  
digging in *Drosophila* larvae, 33-41  
distribution of peroxidase genotypes in *Pellia borealis*, 299-304  
distribution of rare alleles in a subdivided population, 409-415  
DNA variability in Hawaiian *Drosophila*, 75-85, 87-96  
dominance for *Gpdh* in *Drosophila*, 227-235  
double interchange heterozygote, 1-6
- enzyme heterozygosity, possible influence of, on development in trout, 417-425  
Ethanol tolerance and *Adh* activity in *Drosophila*, 185-190  
evolution of breeding system in *Primula vulgaris*, 207-217
- frequency-dependent viabilities, 7-17
- gene duplication in diploid and tetraploid *Polygala* species, 111-118  
gene flow in *Bufo marinus*, 145-156  
gene flow in *Plantago lanceolata*, 43-54  
genetic analysis of *Drosophila*, 19-24  
genetic architecture of behavioural responses in mice, 55-63  
genetic control of plasma esterase polymorphism, 65-67  
genetic manipulation, 284-285  
genetic value of sons and daughters, 351-354  
genetics of amylase variation in *Asellus*, 105-110  
genetics of digging behaviour in *Drosophila* larvae, 33-41  
genetic variation and development rate in rainbow trout, 417-425  
genetic variation in grasshopper populations, 397-408  
genetic variation in mice, 157-160  
genome combinations, analysis of, between wheat, rye and *Aegilops*, 219-226  
genotype and supernumerary chromosomes, 305-310  
genotype-environment interaction in barley, 255-262  
genotype-environment interaction, methods of analysing, 243-253  
grazing differential of white clover by *Arion hortensis*, 277-281  
gynodioecy in *Plantago lanceolata*, 355-364
- heterochromatin and chiasma distribution, 177-184  
heterochromatin variants in *Baetica ustulata*, 161-165  
heterozygosity and development rate in rainbow trout, 417-425  
homoeologous chromosome association in *Festuca arundinacea*, 97-103  
hybrid zones in *Heliconius* butterflies, 191-202  
hybrid zone patterns in field crickets, 337-349
- inbred lines, comparison of, 263-275  
inheritance of seed dormancy, 25-31  
inheritance of style length in *Oxalis rosea*, 393-396  
interactions of different combinations of wheat, rye and *Aegilops*, 219-226  
interference in a double interchange heterozygote, 1-6
- karyotypes of *Drosophila*, viabilities of, 7-17
- life history characteristics of *Senecio vulgaris*, 381-391  
location, preferential, of human Y chromosomes, 203-205  
longevity in *Drosophila melanogaster*, 329-335
- male sterility in *Plantago lanceolata*, 355-364  
measurement of genotype-environment interaction, 255-262  
meiotic configurations, cytological analysis of, 1-6  
metabolic response to alcohol in *Drosophila hydei*, 123-128  
methods of analysing genotype-environment interaction, 243-253  
mitochondrial DNA variability in *Drosophila*, 75-85, 87-96  
morphological differences between alien and British plants, 129-138
- nucleolar activity associated with supernumerary chromosome, 237-241  
nucleolar organiser activity in *Lolium*, 311-317
- pairing interactions between wheat, rye and *Aegilops* chromosomes, 219-226  
patterns of variation in a hybrid zone, 337-349  
PGI isozymes in diploid and tetraploid *Polygala* species, 111-118  
polymorphism and genetic control of plasma esterase, 65-67  
polymorphism for capitulum type in *Senecio vulgaris*, 381-391  
populations, introduced, of giant toad, genetics of, 145-156  
population structure and gene flow, 43-54  
population structure with limited dispersal, 69-73
- quasi-equilibrium theory of distribution of rare alleles, 409-415
- reproductive assurance in evolution of self-fertilisation, 207-217

- secondary constrictions in *Festuca* and *Lolium-Festuca* hybrids,  
variation in number of, 311-317
- seed dormancy in *Sinapsis arvensis*, 25-31
- selection for CES in *Drosophila*, 19-24
- selection, frequency dependent, at a resistance locus in blowfly,  
373-380
- sex allocation in a temporally varying environment, 119-121
- sex ratio evolution, 337-349
- sex ratio in structured populations, 69-73
- spatial distribution of nuclear and cytoplasmic genes, 355-364
- style length, inheritance of, in *Oxalis rosea*, 393-396
- variation, genetic, in grasshopper populations, 397-408
- variation in alien *Lotus*, 129-138
- variation in allozymes in 7 species of land snails, 319-327
- variation, patterns of, in a hybrid zone, 337-349
- warning colours in tropical butterflies, 191-202
- Y polymorphism, influence of, in location of human chromo-  
some, 203-205