

INDEX OF SUBJECTS

- analysis of human N-acetyl hexosaminidases, 272
spontaneous chromosome recombination, 291-307
s-specific proteins in *Brassica*, 391-396
variance, Hayman's, 401-407
- behaviour of fertility gene, 279-290
biochemical polymorphism in char, 359-365
- chromosomal abnormalities in *Vicia faba*, 270
instability in maize, 349-358
- chromosome analysis in wheat, 25-36
recombination, 291-307
- chromosomes, heritable fragile sites on human, 271
of *Praomys natalensis*, 197-200
- controlled environments, reproductive fitness in, 1-11
- covariance structure, genetical analysis of, 79-95
- cyanogenesis, 19-24
frequency of, 397-400
in *Lotus*, 339-347, 397-400
- cytogenetics of apes, 269
- diallel cross analysis, 309-319
method of recognising *S* allele homozygotes in turnip, 201-208
- dimorphism in *Papilio*, 227-236
- dominance, evolution of, 117-119
- Drosophila* population, effective size of, 13-18
- duplication in maize, 349-358
- effective population size, 13-18
- electrophoretic techniques and genetic variability, 409-411
- environmental changes of sex expression in *Atriplex*, 97-103
- enzyme activity, selection on ADH alleles in, 191-195
- fitness, characters affecting, in groundsel, 367-371
- fluorescence banding techniques in *Anopheles gambiae*, 105-108
- frosting and droughting, effect on photosynthesis in *L. corniculatus* and *T. repens*, 19-24
- gamma ray and UV mutability, 271-272
- G-banding analysis, 197-200
- gene conversion data, 275
dosage effect in man, 273
for arginosuccinate synthetase, 276
inactivation in B chromosomes of *Picea glauca*, 272
mapping, 273-274, 274
- genetic control of immune response, 275
differentiation in lizard *Anolis grahami*, 121-123
- polymorphism in a plasma enzyme, 276
variability in *Hymenoptera*, 409-411
- genetical analysis of covariance structure, 79-95
- genetical and environmental interactions in resistance to cabbage root fly, 209-218
- genetics of obesity in rats, 373-377
somatic cells, 272
Welsh gypsies, 269
- genotype-environment interaction, 309-319
in *Lotus corniculatus*, 339-347
- Hurst collection of genetical material, 259-260
- hybridisation of Chinese hamster cells, 270-271
- incompatibility in turnip, 201-208
- intensity of natural selection, 321-328
selection, 413-414
- interpopulation differences in size in Sticklebacks, 53-60
- linkage and Mendel's experiments, 253-257
mapping, 61-77
loci, pattern of, 37-45
- mating success in *Drosophila*, 161-168
- mean performance and sensitivity to macro-environmental variable, 219-226
- mitotic segregation of chromatids in *S. cerevisiae*, 277
- molecular aspects of flax genotrophs, 129-154
- mutator effects in *E. coli*, 271
- natural selection, intensity of, 321-328
- non-normality in distribution of pure-breeding lines, 329-338

INDEX OF SUBJECTS

- obesity in rats, 373-377
- pattern of loci on *Drosophila* chromosomes, 37-45
- pedigree studies, 273
- plasma paroxonase activity, 276
- polymorphism at 2 loci, 379-390
- for female sterility in *Drosophila*, 109-115
 - in Californian vole, 1-11
 - in char, 359-365
 - of cyanogenesis in *Lotus*, 339-347
 - postmeiotic segregation in *Ascobothrus*, 274
- potassium cyanide, effect on cyanogenic forms of *L. Corniculatus* and *T. repens*, 19-24
- protein synthesis in fertilised *Drosophila* egg, 276
- pyr-3* gene product, purification of, in *Neurospora*, 275
- recombinant inbred lines, 329-338
- recombination data linkage mapping from, 61-77
- regression analysis for genotype-environment interaction, 309-319
- reproduction, differences in size at, in Sticklebacks, 53-60
- reproductive fitness of genotypes, 1-11
- resistance to cabbage root fly, 209-218
- satellite DNA in man and apes, 269-270, 270
- scaling tests, 47-51
- selection for linear metric derivation, 379-390
- mating success in *Drosophila*, 161-168
 - on ADH alleles, 191-195
- serum proteins in *Drosophila*, 277
- sex-differential fertility genes, 279-290
- sex expression in *Atriplex*, 97-103
- simplified triple test-cross, 237-251
- soil moisture and frequency of cyanogenesis in *Lotus*, 397-400
- somatic cell genetics, 272
- crossing-over in *Antirrhinum majus*, 161-189
 - spontaneous recombination in *Drosophila*, 291-307
- S-specific protein in *Brassica*, 391-396
- Sterility in *Drosophila*, genetic polymorphism for, 109-115
- temperature, effect, on polymorphism of cyanogenesis, 339-347
- temperature-sensitive mutant of *S. cerevisiae*, 277
- variation in characters affecting fitness in groundsel, 367-371