

VOLUME XXV

INDEX OF SUBJECTS AND AUTHORS

Only main topics are listed, and reference is given to the first page of each paper in which they are discussed

- Albrecht, L., 137
 Arnold, Barry C., 89
Aspergillus nidulans
 histidine utilization, 119
 p-fluorophenylalanine resistance, 29
 Avery, P. J., 145
- Bal, Jerzy, 249
 Bartnik, Ewa, 249
 Baumberg, S., 275
 Belcour, Léon, 155
 Berends, Leonard, 39, 109
 Breeze, A. S., 207
 Brooker, R. J., 215
 Brown, A. H. D., 137
 Brunner, Aurora, 59
- Cacheiro, N. L. A., 193
 Cannon, F. C., 327
 Carey, K. E., 179
 Celis, Esteban, 59
 Cerdá-Olmedo, E., 285
 Charlesworth, Brian, 267
 Charlesworth, Deborah, 267
 Chimaeras in *Mus musculus*, 83
 Clarke, Patricia H., 71
 Clayton, R. M., 79
Coprinus lagopus, resistance to amino acid analogues, 95
 Cummins, J. E., 253
- Daw, A. W., 253
 Day, Martin, 71
 Dennison, Sheena, 275
 Dixon, R., 327
 Donch, John, 39, 109
Drosophila melanogaster
 fitness of third chromosome homozygotes, 197
 new mutator gene, 163
 recombination load, 267
- Escherichia coli*
 dominance of *exrB*, 39
 mutants of R factor R57, 297
 reversion of *exrB*, 109
 trimethoprim-resistant mutants, 207
- Falconer, D. S., 45
- Garg, G. S., 189
 Garnett, I., 45
 Goryluk, Bożenna, 249
 Greenberg, Joseph, 39, 109
- Haploidization in *Aspergillus nidulans*, 249
 Hitch hiking effect, 313
 Hoekstra, Rolf F., 1
 Hynes, M. J., 119
- IKe, N sex factor specific phage receptor, 275
- Johnson, Ben, 109
- Kimura, Motoo, 313
Klebsiella pneumoniae strain M5al, properties of R factor R144d, 327
Kluyveromyces lactis, correlated sensitivity to DNA intercalating drugs, 59
 Krishnapillai, V., 179
- Lewis, D., 95
 Li, Wern-Hsiung, 229
 López-Fanjul, C., 17
 Loutit, J. S., 215
- Marshall, D. R., 137
 Mas, Jaime, 59
 McLaren, Anne, 83
 Meiosis in gametangial nuclei of *Phytophthora drechsleri*, 201
 Mortimer, Martin A., 201
Mus dunni, constitutive heterochromatin and karyotype variation, 189
Mus musculus
 chimaeras, 83
 linkage groups IV and X located on chromosome 10, 193
 protein variation and body size, 45
 Mutation
 amino acid analogue resistance, in *Coprinus lagopus*, 95
 constitutive tetracycline resistance, in R factor R57, 297

Mutation (*cont.*)

- cytoplasmic, in *Podospora anserina*, 155
 dominance of *exrB* in *Escherichia coli*, 39
 histidine utilization in *Aspergillus nidulans*, 119
 location of *ami*, *hut* and *put* in *Pseudomonas aeruginosa*, 71
 mutator gene of *Drosophila melanogaster*, 163
 resistance, to DNA intercalating drugs in *Kluyveromyces lactis*, 59
 resistance to *p*-fluorophenylalanine in *Aspergillus nidulans*, 29
 revertants in *Escherichia coli exrB*, 109
 trimethoprim-resistant, in *Escherichia coli*, 207
- Nei, Masatoshi, 229
- Ohta, Tomoko, 313
- Orozco, F., 17
- Phycomyces blakesleeanus*, 285
- Phytophthora drechsleri*, evidence for meiosis in gametangial nuclei, 201
- Pieniżek, Norman J., 249
- Plasmids
 constitutive tetracycline resistance in R factor R57, 297
 R factor R144*drd* in *Klebsiella pneumoniae* strain M5al, 327
 sensitivity to sex factor specific phage IKe, 275
- Podospora anserina*, cytoplasmic mutations, 155
- Polifungin as an aid in *Aspergillus nidulans* haploidization, 249
- Polkinghorne, Meryl, 119
- Pollak, Edward, 89
- Polymorphism, 1
- Population genetics theory
 cyclical selection, 1
 heterozygosity and genetic distance, 229
 hitch hiking effect, 313
 mutation and migration models of neutral alleles, 145
 profiles of electrophoretic alleles, 137
 sojourn time distributions, 89
- Postgate, J. R., 327
- Potts, J. Rowland, 71
- Poultry, growth regulation, 79
- Pseudomonas aeruginosa*
ami, *hut* and *put* genes in strain PAO, 71
 chromosome replication in strain I, 215
 prophage J51 mapping in strain PAO, 179
- Quantitative inheritance, 45
- Recombination load in *Drosophila melanogaster*, 267
- Reeve, E. C. R., 297
- Regulation
 of lens epithelium growth in chicks, 79
 of morphogenesis in *Ustilago violaceae*, 255
- Replication of *Pseudomonas aeruginosa* chromosome, 215
- Robertson, J. M., 297
- Ruano, R. G., 17
- Russell, Liane B., 193
- Selection
 cyclical, 1
 egg laying of *Tribolium castaneum*, 17
- Senathirajah, S., 95
- Sharma, T., 189
- Shaw, David S., 201
- Sims, P., 207
- Sinha, Umkant, 29
- Srivastava, Sheela, 29
- Stacey, K. A., 207
- Sved, J. A., 197
- Tribolium castaneum*, selection intensity, 17
- Ustilago violacea*, cell cycle and conjugation, 253
- Woodruff, R. C., 163