

## VOLUME XXXVIII

## 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*

- D-alanine-dehydrogenase in *Escherichia coli*, 197
- allozyme heterozygosity and divergence, 71
- Andrews, S. J., 47
- aneuploids, transcription and gene dosage, 103
- Annear, D. I., 217
- Arst, Jr., H. N., 171
- Aspergillus nidulans*, deletion in prn, 171
- Bailey, C. R., 171
- Beck, M. L., 333
- cataract of mouse lens, 337
- Cattanach, B. M., 57
- chimaeras in mice, 25
- choline catabolism in *Pseudomonas aeruginosa*, 251
- Chovnick, A., 281
- cleft palate induction in mice, 327
- controlling elements in mice, 57
- copper and mice, 333
- cortisone induction of cleft palate in mice, 327
- dosage compensation, 103
- Drosophila melanogaster*
- bobbed, 1
- chitin biosynthesis, 297
- cryptocephal* suppressor mutants, 297
- dosage compensation, 103
- female sterility, 125
- gene conversion, 281
- heterozygosity and geographical distribution, 137
- intragenic recombination, 281
- male recombination factors (MRF), 125
- meiotic abnormality, induction of, 125
- nucleolus, 1
- ribosomal RNA genes, 1
- transcription in, 103
- satellite DNA, 237
- X chromosome aneuploids and transcription, 103
- Drosophila simulans*, satellite DNA, 237
- Drosophila* spp. and distribution of heterozygosity, 137
- Duttagupta, A. K., 103
- Ejchart, A., 267
- Escherichia coli*
- D-alanine-dehydrogenase-less mutants, 197
- alnA*, 197
- dad*, 197
- Evans, L., 47
- Falconer, D. S., 25
- food intake in large and small mice, 9
- Franklin, F. C. H., 197
- Fraser, F. C., 327
- galactosyltransferase in mice, 225
- Gauld, I. K., 25
- gene conversion in *Drosophila melanogaster*, 281
- gene dosage and aneuploids, 103
- $\alpha$ -glucosidase in mice, 47
- growth rates in mice, 9
- Grubb, W. B., 217
- $\alpha$ -haemoglobin gene distribution, 97
- highly repetitive DNA in *Drosophila simulans*, 237
- Hill, W. G., 157, 209
- Hilliker, A. J., 281
- Holmes, R. S., 337
- intragenic recombination in *Drosophila melanogaster*, 281
- Jarvis, S. E., 337
- Jones, S. A., 171
- Klein, J., 315
- Land, R. B., 157
- Latter, B. D. H., 137
- lens opacity in mice, 337
- linkage disequilibrium and effective population size, 209
- Lohe, A. R., 237

- Lush, I. E., 93  
 Lyon, M. F., 337
- Maddern, R. H., 1  
 Matsumoto, H., 251  
 Menkes' disease, 333  
 mitochondrial mutants of *Saccharomyces cerevisiae*, 267
- mouse  
 aggregation chimaeras, 25  
 body size and chimaeras, 25  
*brachyury*, 315  
 cataract of lens, 337  
 chimaeras and control of body size, 25  
 chromosome 10, 337  
 chromosome 17, 47, 115, 315  
 chromosome X, 57  
 cleft palate induction, 327  
 controlling elements, 57  
 copper localization in duodenal mucosa, 333  
 cortisone-induced cleft palate, 327  
 duodenal mucosa and copper, 333  
 energy conversion, 9  
 galactosyltransferase activity, 225  
 $\alpha$ -glucosidase, 47  
 growth and selection, 9  
 lens opacity, 337  
*Neu-1*, 47  
 neuraminidase, 47  
 sperm-egg binding, 225  
 spermatogenesis, 115, 225  
 sucrose octaacetate, 93  
*Ta*, 57  
*t*-complex, 115, 225, 315  
 tasting, genetics of, 93  
*Tcp-1*, 115  
 tortoiseshell and copper, 333  
 thyroxine levels and selection, 157  
 transmission ratios and *t*-complex, 315  
*Xce*, 57
- Mukherjee, A. S., 103
- Nakazawa, T., 251  
 neuraminidase, 47
- Ohta, S., 251
- Papworth, D., 57  
 Pelecanos, M., 125  
 Peters, J., 47  
 phosphoglucomutase in mice, 327  
 population size and linkage disequilibrium, 209
- Prasad, J., 103  
 L-proline catabolism in *Aspergillus nidulans*, 171  
*Pseudomonas aeruginosa*, cat *A*, chu, dcu, pca *A*, pob *A*, 251  
 Putrament, A., 267
- repeated genes, distribution, 97  
 ribosomal genes of *Drosophila melanogaster*, 1  
 Roberts, R. C., 9, 25
- Saccharomyces cerevisiae*  
*mit*, 267  
 mitochondrial mutagenesis, 267  
 satellite DNA in *Drosophila melanogaster*, 237  
 Sayers, I., 337  
 Sheedlo, H. J., 333  
 Shur, B. D., 225  
 Silver, L. M., 115  
 sister chromatid exchange, 97  
 Skibinski, D. O. F., 71  
 Sparrow, J. C., 297  
 spermatogenesis in mice, 115, 225  
 Stamatis, N., 125  
*Staphylococcus aureus*, unstable drug resistance, 217  
 plasmids in, 217  
 Styrna, J., 315  
 sucrose octaacetate, 93  
 Swallow, D. M., 47
- Takahata, N., 97  
 tasting and mouse genetics, 93  
 Taylor, B. A., 327  
 Terawaki, Y., 251  
 thyroxine (T<sub>4</sub>) levels in mice, 157  
 Tilakaratne, N., 157  
 tri-iodo thyronine (T<sub>3</sub>) levels in mice, 157
- Vekemans, M., 327  
 Venables, W. A., 197
- Ward, R. D., 71  
 Wijsman, H. J. W., 197  
 Williams, D. A., 25
- X-Y exchange in *Drosophila melanogaster* males, 1
- Yannopoulos, G., 125