

VOLUME XXXVII

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

- N-acetyl- β -hexosaminidase in mouse, 95
- 'affinity' and femal mule fertility, 105
- alcohol dehydrogenase activity in *D. melanogaster*, 227
- Altenbuchner, J., 285
- Anderson, G., 123
- Apoproteins, 1
- Appels, R. 209
- Arnold, J. T. A., 55
- Artzt, K., 221
- aspartate transcarbamylase in *D. melanogaster*, 199
- atherosclerosis, 11
- backcrossing and inbreeding, 239
- Bennett, D., 221
- Berry, R. J., 221
- Blazak, W. F., 161
- blood serum lipoproteins, 1
- blowfly, Australian sheep, 55
- Buehr, M., 303
- carbamyl phosphate synthetase in *D. melanogaster*, 199
- Cattanach, B. M., 151
- Chandley, A. C., 105
- Chasalow, F., 123
- chloroplast genetic variability, maintenance, 291
- Choi, C.-L., 285
- cholesterol and coronary heart disease, 1
- coat colour mutant in mouse, 95
- controlling elements in mouse, 151
- coronary heart disease, 1
- Cox, B. S., 173
- Crowther, C., 311
- Dietz, K., 275
- dihydroorotase in *D. melanogaster*, 199
- dipteran linkage map comparisons, 55
- domestic fowl, 161
- Dooher, G. B., 221
- Drosophila melanogaster*
 - alcohol dehydrogenase activity and thermostability, 227
 - alcohol dehydrogenase electromorphs, 227
- aspartate transcarbamylase, 199
- carbamyl phosphate synthetase, 199
- dihydroorotase, 199
- linkage map, 55
- pyrimidine synthetic pathway, 199
- ribosomal DNA inserts, 209
- rudimentary* locus, 199
- type I inserts in DNA, 209
- Endow, S., 209
- environmental variations and genetic variation, 79
- enzyme polymorphism, 79
- Ephestia kuhniella*, 47
- Equus* hybrids, 105
- extranuclear genes and genetic variation, 291
- Fechheimer, N. S., 161
- fertility in female mule, 105
- finite populations and genetic variability, 291
- Foster, G. G., 55
- fowl
 - embryos with chromosome imbalances, 161
 - gonosome-autosome translocations, 161
- β -galactosidase of mouse, 95
- Gallus domesticus* L., 161
- gametic selection, 275
- genetic variation in varying environments, 79
- Gerris* differentiation, 253
- Gibb, S., 95
- globin genes and genetic variation, 133
- β -glucuronidase of mouse, 95
- Glover, D., 209
- glucose phosphate isomerase of mouse, 303
- Grinsted, J., 285
- Gütze, D., 17
- H-2 locus in mouse, 17
- Håkansson, E. M., 95
- Hammerberg, C., 71
- Hendrew, R. W., 123
- heterothallism and *Physarum polycephalum*, 113
- hinnie, 105
- histocompatibility of mouse, 17

- Holloway, B. W., 265
 Honey, H. K., 113
Hordeum bulbosum, 215
 hypercholesterolaemia, 1
- ICR-170 mutagenesis in *D. melanogaster*, 199
 immune response in mouse, 17
 inbreeding for isogeneity in haploid and diploid eukaryotes, 239
 Islam, A. K. M. R., 215
 isogenicity and inbreeding, 239
- Jarry, B., 199
 Johnson, F. M., 123
 Johnston, P. G., 151, 317
- Karlin, S., 33
 kidney lysosomal enzymes in mouse, 95
 Klein, J., 17
 Konovalov, C., 55
- Leslie, J. F., 239
 Lewis, S. E., 123
 linkage maps of diptera, 55
Lucilia cuprina dorsalis, 55
 Lund, P. M., 123
 Lundin, L.-G., 95
 lysosomal enzymes of mouse, 95
- MacDougal, P., 123
 Mackay, T. F. C., 71
 Maffi, G., 55
 male fertility of T^{Orl}/t mice, 71
 Maruyama, T., 291
 maternal inheritance in *Ephestia kuehniella*, 47
 mating type locus in *Physarum polycephalum*, 113
 McKay, J., 227
 McLaren, A., 303
 microdifferentiation of *Gerris* populations, 253
 mitochondrial genetic variation, maintenance, 291
 monosomy in fowl, 161
 mouse, controlling elements, 151
 fetus and X-inactivation, 183
 glucose phosphate isomerase, 303
 H-2 polymorphism, 17
 lysosomal enzymes, 95
 male fertility and T^{Orl} , 71
 phosphoglycerate kinase, 151, 183, 317
 pyruvate kinase, 123
 reduced pigmentation (*rp*) gene, 95
 Searle's translocation, 317
 t -complex and male fertility, 71
 t -haplotype, semilethal, 221
 X-chromosome activity in oogenesis, 317
- X-chromosome expression, 183, 317
 X-inactivation, non random, 151, 183
 mule, fertility in female, 105
 multigenes and genetic variation, 133
Musca domestica L., 55
- Nadeau, J. H., 17, 275
 Naguib, F. N. M., 199
 non-random X-chromosome expression in mouse, 183
 non-random X-inactivation, 151
- Ohta, T., 133
- Pamilo, P., 253
 Papaioannou, V. E., 183
 Peacock, W. J., 209
Physarum polycephalum selfing mutants, 113
 plasmids
 incP mobilisation ability, 311
 incQ, 311
 primes in *Pseudomonas aeruginosa*, 265
 RSF1010, 311
 plasmoidal formation in *Physarum polycephalum*, 113
 Poultier, R. T. M., 113
Pseudomonas aeruginosa plasmids, 265
[*psi*] element of *Saccharomyces cerevisiae*, 173
 pyrimidine synthesis in *D. melanogaster*, 199
 pyruvate kinase of mouse, 123
- recessive gene detectability, 33
 retarded development (*rd*) in *Ephestia kuehniella*, 47
 reversion analysis of [*psi*] mutations, 173
 ribosomal DNA inserts in *D. melanogaster*, 209
 Richmond, M. H., 285
 Robertson, F. W., 1
 Royle, P. L., 265
- Saccharomyces cerevisiae* [*psi*] mutants, 173
 Schmitt, R., 285
 Searle's translocation of mouse, 317
 selection component analysis, 275
 selfing mutants of *Physarum*, 113
 Shepherd, K. W., 215
 Shire, J. G. M., 95
- Takahata, N., 291
 Tamarin, R. H., 275
 tandem repeat genes and genetic variation, 133
 Tavare, S., 17
 transposon
 Tn501 (Hg), 285
 Tn1721 (Te), 285
 Traut, W., 47

- trisomy in fowl, 161

unequal crossing over and repeat genes, 133

Varvio-Aho, S.-L., 253

Wakeland, E. K., 17

water-strider (*Gerris*) differentiation, 253

West, J. D., 183

wheat-barley chromosome addition lines, 215

Whitten, M. J., 55

Willets, N., 311

Winter, P. J., 113

X-chromosome controlling element (*Xce*) of mouse, 151

X-inactivation, non-random in mouse, 151, 183