

# VOLUME XLI

## 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*

- Acinetobacter calcoaceticus*, transposon mutagenesis and chromosome mobilization of, 97
- Adolph, S., 117, 135
- Aedes aegypti*, genetic variation of, 241
- Aegilopus umbellulata*, shikimate dehydrogenase locus of, 209
- alcohol dehydrogenase of barley, 109
- Alton, A. K., 29
- Andrews, S. J., 308, 312
- aneuploidy at meiosis in *Sordaria*, 165
- Aegilops thaliana*, *ga-1* locus, 57  
gene conversion in, 57  
positive cross-over interference in, 57
- Artzt, K., 29
- Aspergillus nidulans*, nitrite toxicity (*nihA*) locus, 203
- Baranov, V. S., 227
- barley, alcohol dehydrogenase of, 109
- Beltramini, P., 303
- Bennett, D., 29
- Biotechnology, a Comprehensive Treatise in 8 Volumes*, Eds. Rehm, H. J. and Reed, G. – book review, 105
- Bond, D. J., 165
- book reviews, 105, 215, 321
- Borwell, P., 303
- Bostock, C., 215
- Brook, J. D., 85
- Bücher, Th., 311, 312
- Buehr, M. L., 312
- Calvert, J., 307
- carbohydrate metabolism in animal cells, 307
- Carden, A. E., 320
- Cattanach, B. M., 312, 318
- Chandler, P., 318
- Charles, D. J., 304, 308
- Cheng, S., 304
- chinese hamster, carbohydrate metabolism of, 307  
x-ray sensitive mutants of, 315
- Chojecki, A. J. S., 221
- Coulson, A., 322
- Crassostrea virginica*, post-settlement viability in, 259
- Cunningham, V. J., 306
- De Jongh, A. M. M., 57
- 2,6-diaminopurine resistance in Friend leukemia cell clone, 309
- disjunction in *Drosophila*, 17
- Drosophila melanogaster*, chromosome II, 17  
disjunction, non-disjunction and chromosome architecture, 17  
sex-chromosomes, 17
- Ede, 216
- Edwards, K. J. R., 109
- Eicher, E., 318
- Elytrigia elongata* isozymes, mapping of, 181
- Erwinia* and Mu(G-), 145
- Escherichia coli* K12 and Mu(G-), 145
- Faik, P., 307
- Falk, R., 17
- Fensom, A. H., 299
- Figueroa, F., 135
- Finnegan, D. J., 321
- Foltz, D. W., 259
- Forsthoefel, A. M., 271
- Fulton, A. M., 165
- Gale, M. D., 221
- gibberellin responsive mutants in *Arabidopsis*, 57
- Gitzelmann, R., 303
- glucose phosphate isomerase (*gpi-1*) locus of wheat, 221
- Greig, J. B., 305
- Gropp, A., 314
- Hakansson, E. M., 303
- Hanhart, C. J., 57
- Harberd, N. P., 109
- Harris, M. J., 314
- Hart, G. E., 181
- Hill, W. G., 323
- Hilliker, A. J. *et al.*, *Genet. Res.* (1982), 39, pp. 157–168, erratum to, 103
- Holliday, R., 315
- Holmquist, B. G. F., 303
- Holt, L. M., 221
- human,  $\alpha$ -D-mannosidase, 304  
non-ribosomal protein patterns on heat shock, and chromosome 22, 305

- human (*cont.*)  
 X-chromosome methylation and inactivation, 316
- 'ignorant' DNA, 1
- Issinger, O.-G., 305
- Jeggo, P. A., 315
- Jones, J. T., 315
- Juriloff, D. M., 314
- Kemp, L. M., 315
- Klein, J., 117, 135
- Koebner, R. M. D., 209
- Koornneef, M., 57
- Lam, S. T. S., 299
- Lindsay, S., 316
- Loutit, J. F., 308
- Lovell, D. P., 305, 306, 316
- Lundin, L.-G., 303
- Lush, I., 306
- MacDonald, M. V., 155
- McKenna, P. G., 309
- McMahon, A., 69, 317
- Mahadevaiah, S., 317
- Malcolm, S., 304
- Mallet, A. L., 259
- Man Made Life, a Genetic Engineering Primer*, Cherfas, J. – book review, 106
- $\alpha$ -D-mannosidase of man, 304
- Martin, S. A. M., 307
- Martinez-Rossi, N. M., 203
- meiotic aneuploidy in *Sordaria*, 165
- Mishra, N. C., 271
- Mittwoch, V., 317
- Monk, M., 69, 316, 317
- Morgan, M. J., 307
- mouse  
 aneuploidy and XO mice, 85  
 autosomes 7, 9, 14, 17 and early embryonic development, 227  
 contamination of genetic strains from USA, 316  
 chimeric mice, litter genotypes of, 312  
 chromosomal control of early embryonic development, 227  
 development of early embryo and chromosomal control, 227  
 enzyme mutants and isoelectric focusing, 308  
 fructose biphosphate, 307  
 $\beta$ -glucuronidase, 303  
 H-2 antigenic variation in wild populations, 135  
 histidine decarboxylase, hormonal regulation of, 307  
 hyaluronidase effects, 309  
 H-Y typing, 318  
 Is (7;1) 40H inversion and pachytene chromosomes, 317  
 karyotypes of wild populations, 117  
 lidgap, genetics of, 314  
 malaria resistance genes, mapping of, 303  
 maternal age and XO mice, 85  
 metacentric chromosomes in wild populations, 117  
 mutant production in, 308  
 mutants with altered enzyme activities, 304  
*pgk-1*, 69, 312  
 pronase effects, 309  
 Robertsonian translocations in wild populations, 117  
 sash ( $w^{sh}$ ) chimaeras, 319  
 schistosome resistance, 315  
 scurfy mutation, 299  
 Searle's translocation, 69, 317  
 sex reversal, 313, 314, 317, 318  
 steroid sulphatase, 299, 313  
 'tasting', 306  
 TCDD induced porphyria, 305  
 t-haplotypes and transmission ratio distortion, 29  
 tiger-colour, 319  
 wild populations, genetic variation in, 117, 135  
*xce*, 312, 318  
 X chromosome, activity, 69  
 expression in female mice, 311  
 segregation in XO mice, 85  
 multigene families, fixation of, 47
- Nadeau, J. H., 135
- Nash, H. R., 307, 319
- Neuronal Development*, Ed. Spitzer, N. C. – book review, 216
- Neurospora crassa* nuclease I (*nuc*) mutants, 271
- Nielson, J. T., 311
- non-disjunction in *Drosophila*, 17
- nuclease I mutants of *Neurospora*, 271
- Ohta, T., 1, 47
- oysters, post-settlement viability in, 259
- Payne, P. I., 221
- Pemble, S., 304
- Peters, J., 308
- Pfister, K., 303
- phage Mu in *E. coli* and *Erwinia*, 145
- phosphoglycerate kinase of mouse, 69
- pigs and halothane sensitivity, 320
- plasmid RP4:: Mu, 97
- Polani, P. E., 299
- Pombeiro, S. R. C., 203

- Powell, J. R., 241  
Pretsch, W., 303, 308
- Rabes, H. M., 311  
Rastan, S., 318  
    rat carbon disulphide hepatotoxis, 306  
Reeve, E. C. R., 105, 106  
repetitive DNA accumulation, 1  
Rossi, A., 203
- Schoonejans, E., 145  
Seawright, A. A., 306  
selfish DNA, 1  
Shepherd, K. W., 209  
shikimate dehydrogenase, 209  
Simpson, E., 318  
Singh, S. M., 259  
Smith, A. G., 305  
*Sordaria brevicollis*  
    aneuploidy in, 165  
    *buff* and high-frequency conversion, 155  
    conversion at high frequency of *buff*, 155  
    endonuclease of, 155  
Stephenson, D. A., 319  
steroid sulphatase of mouse, 299
- Tabachnick, W. J., 241
- Techniques in Somatic Cell Genetics*, ed. Shay,  
    J. W. – book review, 215  
Totman, P., 316  
Toussaint, A., 145  
Towner, K. J., 97  
transposon, mutagenesis in *Acinetobacter*, 97  
    Tn3171, 97  
*Triticum aestivum* – *E. elongata* addition lines,  
    181  
    glucose phosphate isomerase (*gpi-1*) locus,  
    mapping of, 221  
Tucker, S. P., 306  
Tuleen, N. A., 181
- Van Eden, J., 57
- Wallace, M. E., 319  
Wallis, G. P., 241  
Ward, P., 309  
Watson, S., 309  
Webb, A. J., 320  
Whitehouse, H. L. K., 155  
Winchester, B., 304  
Winking, H., 314
- Zaleska-Rutczynska, Z., 135  
Zouros, E., 259