

VOLUME 43

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

- actin gene 3' untranslated sequences, 217
aldehyde dehydrogenase, 219
Allium triquetrum, interchange quadrivalents at metaphase, 139
Al-Shawi, R., 213
Ascobolus immersus gene conversion alleles (*ccf*), 107
Aspergillus nidulans, *niaD*, nonsense mutations of, 241
variegated position effect (*brlA12*), 123
Atchley, W. R., 289
- barley chloroplast DNA diversity, 339
Barnett, L. K., 213
Barth, R. K., 216
Bencze, G., 149
Bennett, D., 43
Bhattacharya, S. S., 213
Biotechnology: A comprehensive treatise in 8 volumes, Volume 3, Eds. Rehm, H.-J., Reed, G. – book review, 99
Bishop, J. O., 213, 215
Bohomme, F., 201, 202, 215
books reviewed and received, 99, 221, 344
Boursot, P., 201
Bower, D. J., 214
Brennand, J., 214
Brown, A. H. D., 339
Bücher, Th., 204, 209
Buckingham, M., 202
Bulfield, G., 217, 218
- Cameron, I. R., 215
canaries, non-disjunction and sex determination, 173
Caskey, T., 214
Chandler, P., 206
chloroplast DNA diversity in barley, 339
Clark, A. J., 213, 215
Clegg, M. T., 339
Clutterbuck, A. J., 123
Cooke, H., 213
Cookingham, J. C., 43
Creissen, D., 218
Crolla, J. A., 207
De Framond, D. G., 229
- Dils, R., 215
Drosophila melanogaster, bobbed and *Y^{bb}-*, 93
DNA repair and hybrid dysgenesis, 159
esterase 6, 181
hybrid dysgenesis and DNA repair, 159
male recombination (MR), 149
minute (*M*) and gene expression, 257
rRNA genes and *Y^{bb}-*, 93
segregation distortion (SD), 149
sucrose (dietary) modulated gene expression, 307
transposable elements and DNA repair, 159
Y^{bb}- chromosome and rDNA, 93
Dudley, R. K., 210
Dunnwald, M., 209
Dykhuizen, D. G., 229
- Edström, J.-E., 205
Edwards, Y., 217
Endow, S. A., 93
Erickson, R. P., 35
Errington, L. H., 214
Escherichia coli, *eda* wild-type alleles, 229
edd wild-type alleles, 229
zwf wild-type alleles, 229
esterases of *Microtus agrestis*, 219
Evans, H. J., 213
- fatty acid synthase (FAS), gene cloned, 215
Fernie, B. A., 217
Fisher, G., 210
Fort, Ph., 201, 215
Fox, H., 205
Fox, M., 214
Frischauf, A., 205
Fundele, R., 204
- galacturonate utilization in *Escherichia coli*, 229
Garrels, J. I., 21
Geer, B. W., 307
Genes, Lewin, B. – book review, 221
Gillespie, G., 217
gluconate utilization in *Escherichia coli*, 229
Gotoh, O., 277

- Grigliatti, T. A., 257
 Groppe, A., 201, 202, 207, 277
 Guenet, J.-L., 202
- Haemoglobin*, Dickerson, R. E., Geis, I. – book review, 103
 Hammerberg, C., 27
 hamster 'lethal grey', 203
 Harris, S., 216
 Hartl, D. L., 229
 Hastie, N. H., 216
 Hawley, R. S., 93
 Hermann, B., 205
 Hill, R. E., 216
 Hill, W. G., 75
 Hinrichsen, R. D., 11
 Hobart, M. J., 217
 Holloway, A. J., 203
 Holmes, J. G., 181
 Hopkinson, D. A., 219
 Hornby, J. E., 203
 Howell, W. M., 107
 H-Y antigens as inducers, 208
 hypoxanthine guanine phosphorybosyltransferase (HPRT), gene cloned, 214
- Intercellular Communication in Leukocyte Function*, Eds. Parker, J. W., O'Brien, R. L. – book review, 102
 Irwin, J., 218
- Jacobs-Cohen, R. J., 43
 Jeffreys, A. J., 216
 Johannsson, R., 201
 Johnson, A. L., 1
 Johnson, F. M., 65
 Johnston, L. H., 1
Journal of microbial methods, Volume 1 – book review, 226
 Jutley, J. K., 203
- Kaufman, T. C., 257
 Krietsch, W., 204
 Kung, C., 11
- Lachmann, P. J., 217
 Lamb, B. C., 107
Lambda II Monograph 13, Eds. Hendrix, R. W., Roberts, J. W., Stahl, F. W., Weisberg, R. A. – book review, 222
 Laurie-Ahlberg, C. C., 307
 Lehrach, H., 205
 Linke, I. M., 205, 210
 Lloyd, J., 217
 Lovell, D. P., 65
- Lukralle, D., 21
 Lynch, C. B., 299
 Lyon, M., 205, 210
- Mahadevaiah, S., 206
 Mains, P., 205
 Malik, R. C., 323
 Martin, S. A. M., 217
 Martinelli, S. D., 241
 Mason, J. M., 159
 McLaren, A., 206
 Meehan, R. R., 216
 Middleton, R. J., 217
 Minezawa, M., 277
 Minty, A., 202
 Mittwoch, U., 206
 Moriwaki, K., 277
 mouse,
 alloformless cell protein gene mapping, 202
 α_1 – antichymotrypsin gene clone, 216
 α_1 – antitrypsin gene clone, 216
 body weight selection, 191
 brown fat and size selection, 299
 Cattanach's translocation [Is(7:X)Ct] and male sterility, 35
 chimaeras, aggregation, 209
 chromosome 7 deletions and male sterility, 35
 DNA ligase variant, 218
 Eday strain, 207
 energy partitioning and body size selection, 323
Fu locus, 43
 glucose phosphate isomerase (GPI), 210
 growth-component selection, 75
 H-Z complex rearrangements, 219
 histidine decarboxylase, 217
 keratin, high sulphur-containing, 213
 kink (*Fu^{k1}*), 43
 knobbly (*Fu^{k2}*), 43
 male sterility, 206
 mandible shape, age and sex, 65
 Mag strain, 207
 melanocyte granules and somatic mutations, 209
 mitochondrial and genomic DNA homologies, 214
 mitochondrial DNA divergence in Robertsonian translocation strains, 277
 mitochondrial genome evolution, 201
 MF1 strain, 21
 nuclear genome evolution, 201
 oocytes of XY sex-reversed and hermaphroditic mice, 202
 phosphoglycerate kinase 1 (PGK-1), 204
 poly ADP-ribosyl transferase variant, 218

- pyruvate kinase (*Pk-3*) gene mapping, 218
 Robertsonian translocations and mtDNA divergence, 277
 16S rRNA, 215
 size selection and temperature regulation, 299
 somatic mutant detection, 208
 spermatogenesis, monoclonal antibodies to, 210
 subspecies variation of mtDNA, 277
Sxr and H-Y antigen, 206
 tabby (*Ta*) locus site of action, 51
t-complex, analysis, 205; genetic basis of, 205; *t⁶*, 21; *tcl⁰*, 27; *T^{hp}*, 27; *t^{Lmb}*, 21; temperature regulation and size selection, 299; triosephosphate isomerase (*Tpi-1*) gene mapping, 218; trisomies 16 and 19 at first meiotic metaphase, 207; trisomy 19, pachytene analysis of, 201; urinary proteins (MUP), 213, 215; Y-chromosome, genetic analysis of, 203
- Murray, B., 218
- Nash, N. R., 207
 non-disjunction in canaries, 173
- Palumbo, G., 93
Paramecium tetraurelia atalantas (ataA) mutants, 11
- Pennycuick, P. R., 51
 Peters, J., 218
 Pirchner, F., 191
Plant infectious agents, Robertson, H. D., Howell, S. H., Zaitlin, M., Malmberg, R. L. – book review, 101
- Polani, P. E., 207
 Potter, J., 210
 Povey, S., 219
 Pritchard, N. R., 209
 pseudogene evolution, 216
- Raphael, K. A., 51
 rat body size selection and covariance with brain size, 289
Recombinant DNA Techniques: an Introduction, Rodriguez, R. L., Tait, R. C. – book review, 224
 recombination in mitotic cell cycle of *Saccharomyces cerevisiae*, 1
 retinitis pigmentosa DNA probes, 213
 Richmond, R. C., 181
 Rickards, G. K., 139
 Robert, B., 202
 Roberts, R. C., 299
 Roberts, T. J., 241
 Robertson, A., 75
 Rogers, J. H., 219
 Röhme, D., 205
- Saccharomyces cerevisiae*, mitotic recombination in, 1
cdc mutants, 1
dbf mutants, 1
 Sanchez, E. R., 27
 Santisteban, I., 219
 Scazzocchio, C., 241
 Sealy-Lewis, H. M., 241
 Searle, A. G., 208
 Semeonoff, R., 219
 Setterfield, L. A., 206
 Shall, S., 218
 Sharp, G. L., 75
 Shaw, P. H., 216
 Silver, L. M., 21, 205
 Simpson, G., 206
 Sinclair, D. A. R., 257
 Sittmann, K., 173
 Skidmore, C. J., 215
 Slatko, B. E., 149, 159
 Smith, M., 219
 Southern, E. M., 213
 Spathas, D. H., 123
 Spiegelman, M., 43
 Stephenson, D. A., 208, 209
 Stephenson, S. K., 323
 Stewart, A. D., 203, 208
 Stewart, J. A. B., 213
 Styles, J. A., 209
 Summerhayes, I. C., 210
- Tavassoli, M., 218
 Tepper, C. S., 181
 Terry, A. L., 181
 Thaler, L., 201
The Cartoon Guide to Genetics, Gonick, L., Wheelis, M. – book review, 104
The Contribution of Genetics to the Study of Parasitic Protozoa, Walliker, D. – book review, 225
The Neutral Theory of Molecular Evolution, Kimura, M. – book review, 223
 Tomonari, K., 206
 Totman, P., 65
Tribolium castaneum, variance-effective population number, 249
 Triggs, G. S., 207
- von Butler, I., 191
- Wade, M. J., 249
 Weir, F. A., 215

- West, J. D., 209, 210
‘Western’ blot biotinylation agent, 217
Whitfield, P. R., 339
Willeke, H., 191
Willison, K. R., 21, 210, 219
- Winking, H., 201, 202, 277
Woodruff, R. C., 159
Wright, A. F., 213
Yonekawa, H., 277