

## VOLUME XXVIII

## 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*  
 conjugation, 301  
 linkage map, 301
- Adoxus obscurus*  
 polymorphisms, 27
- Aegilops*  
 homology with *Secale*, 177
- Aegilops sharonensis*  
 hybrids with *Triticum aestivum*, 37
- Aegilops speltoides*  
 effects of B chromosomes of hybrids, 37
- Age, effects on recombination, 241
- Aneuhaploids, in *Triticum aestivum*, 37
- Antisuppressors, in yeast, 129
- Aspergillus amstelodami*  
 heterokaryon-incompatibility system, 281  
 uniparental inheritance, 281
- Aspergillus nidulans*  
 choline-O-sulphate utilization, 261  
 maternal inheritance, 281  
 mitochondrial markers, 281  
 sulphur storage, 261
- Aspergillus sidowi*  
 choline-O-sulphate storage, 261  
 sulphur storage, 261
- Ayres, P. B., 231
- B chromosomes, in *Aegilops speltoides*, 37
- Baumberg, S., 11
- $\beta$ -glucuronidase, in mice, 139
- Bobbed* locus, 89
- Bocquet, C., 253
- Bos, Marten, 163
- Bulmer, M. G., 101, 199
- Burnet, Barrie, 75, 163
- Catalase, 93
- Chapman, V., 37
- Chiasmata, preferential locations, 291
- Chinese Spring, 37
- Chlamydomonas reinhardtii*  
 uniparental inheritance, 281
- Choline-O-sulphate utilization, 261
- Conjugation, plasmid mediated, 301
- Connolly, K., 75
- Corrin synthesis, 93
- Cox, Brian, 129
- Crossing-over, 291
- David, J., 253
- Drosophila mauritiana*  
 ergosterol synthesis, 163
- Drosophila melanogaster*  
*bobbed* locus, 89  
 correlation between traits, 253  
 ergosterol synthesis, 163  
 Far East race, 253  
 genetic drift, 253  
 locomotor activity, 75  
 mating ability, 75  
 recombination, 215  
 ribosomal RNA genes, 89  
*suppressor-of-sable* locus, 215  
 transformation, 215  
 transposable elements, 215  
 variability with latitude, 253  
*yellow* gene, 75
- Drosophila simulans*  
 ergosterol synthesis, 163
- Drosophila virilis*  
 ergosterol synthesis, 163
- Duck, P., 55
- Eastwood, L., 75
- Edwards, R. G., 241
- Electrophoresis, determination of genetic distance, 119
- Electrophoretic variation, 27, 47
- Equus*  
 uniparental inheritance, 281
- Erickson, Robert P., 139
- Escherichia coli*  
*polA* locus, 15  
*rec* loci, 15
- Eutherian mammals, X chromosome, 147
- Evolution, in parthenogenetic organisms, 27
- Extranuclear inheritance, 281
- Farrow, Roy, 163
- Fertility, of plasmid RP4, 301
- Fox, Allen S., 215
- Hardy-Weinberg equilibrium, 101
- Hitch-hiking effect, 307
- Hordeum bulbosum*  
 hybrids with *Triticum*, 37

- Insertion sequences, in *Klebsiella*, 61
- James, A. P., 55
- James, William H., 277
- Japan, *Drosophila* population, 253
- Kimura, Motoo, 307
- Klebsiella aerogenes*  
lactose system, 61
- Koller, O. L., 177
- Kreber, Robert A., 215
- Krzanowska, Halina, 189
- Lactose permease, of *Klebsiella*, 61
- Lankinen, Pekka, 27
- Li, Wen-Hsiung, 119, 205
- Linkage, effect on genetic drift, 307
- Liu, Chih Ping, 215
- Lokki, Juhani, 27
- Low, B., 93
- Lyon, Mary F., 291
- MacSwiney, Felicity J., 241
- Malay Peninsula, *Drosophila* population, 253
- Maternal inheritance, 281
- McCready, Shirley J., 129
- Meiosis, in *Triticum*, 37
- Meiosis, in *Saccharomyces*, 55
- Miller, T. E., 37
- Mitochondrial markers, inheritance, 281
- Moillo-Butt, Agnes, 15
- Moran, P. A. P., 47
- Mukunda, N., 147
- Mus musculus*  
 $\beta$ -glucuronidase activity, 139  
crossing-over, 291  
gene distribution, 291  
interference, 241  
map of located genes, 291  
Q-strain, 1  
recombination frequency, 241  
selection for body weight, 1  
skeletal variation, 1  
sperm abnormality, 189  
warfarin resistance, 231  
Y chromosome, 189
- Mutation, effect on allele frequency, 205
- Nei, Masatoshi, 205
- Neurospora crassa*  
sulphur storage, 261  
uniparental inheritance, 281
- Neutral alleles, 47, 307
- Norway rat – see *Ratus norvegicus*
- Ochre suppressors, in yeast, 129
- Ohta, Tomoko, 301
- Parthenogenesis, effect on evolution, 27
- Petrillo, J., 93
- Pla, E., 253
- Plasmid  
effect of chloramphenicol, 15  
effect of *pol* genes, 15  
effect of *rec* genes, 15  
incompatibility, 11  
lactose utilization in *Klebsiella*, 61  
RP1-1, 15  
RP4, 301  
segregation, 11
- Podospora anserina*  
uniparental inheritance, 281
- Polymorphism  
*Adoxus obscurus*, 27  
disruptive selection, 101  
effect of linkage, 101, 307  
*Otiorrhynchus scaber*, 27  
*Solenobia triquetrella*, 27  
stabilizing selection, 47, 101  
transient, 205
- Porphyrin synthesis, 93
- Propionibacterium shermanii*  
catalase mutants, 93
- Pseudomonas aeruginosa*  
conjugation, 301  
plasmid transfer, 15
- Pyati, Jagdeesh, 89
- Ratus norvegicus*  
warfarin resistance, 231
- Recombination frequency, 241
- Reeve, E. C. R., 61
- Regression between relatives, 199
- Ribosomal RNA genes, in *Drosophila*, 89
- Richmond, M. H., 15
- Rowlands, Robert T., 281
- Saccharomyces cerevisiae*  
*Drosophila* growth on sterol mutants,  
163  
homothallic strains, 55  
specificity of antisuppressors, 129  
uniparental inheritance, 281
- Saura, Anssi, 27
- Scott, A. I., 93
- Secale cereale*  
derivation, 177  
homoeology with *Triticum*, 177
- Selection, effect of linkage, 101, 307
- Sheep, sex combinations in twins, 277
- Sperm, abnormality in mice, 189
- Sperm,  $\beta$ -glucuronidase activity, 139
- Sulphur storage, 261
- Suomalainen, Esko, 27
- Suppressor specificity, in yeast, 129

- Taiwan, *Drosophila* population, 253  
Towner, K. J., 301  
Transfer RNA, role in suppression, 129  
*Triticum aestivum*  
  aneuhaploids, 37  
  euhaploids, 37  
  homoeology with *Secale cereale*, 177  
  hybrids, 37  
Truslove, Gillian M., 1  
Turner, Geoffrey, 281  
Twins, combinations of sexes, 277  
Uniparental inheritance, 281  
Vitamin K, 231  
Vivian, A., 301  
Wallace, Margaret E., 241  
Warfarin, resistance, 231  
Wilson, R., 163  
Woods, Robin A., 163  
*Xenopus*  
  uniparental inheritance, 281  
Y chromosome, of mice, 189  
Yoon, Sei Byung, 215