VOLUME 18 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

Alkaline phosphatase, genetics in *Coprinus*, 153

Aneuploidy, phenotypic specificity in Aspergillus, 167

Anthocyanin, control of biosynthesis in wheat, 237

separation by chromatography, 238

Ascobolus immersus, map of 84 W locus, 203 multiple recombination at 84 W locus, 199 Aspergillus nidulans, phenotypic specificity

of an euploid states, 167
Associative overdominance, due to linked detrimental mutations, 277

Bacteriophage, complementation of ϵ^{γ} and v^{15} , 21

isolation of v^{15} , 21

mutations affecting conversion of Salmonella anatum by e^{15} , 29

recombination of e^{γ} and v^{15} , 21 transduction by e^{15} , 9, 21

Beechey, C. V., 215

Bell, A. E., 1 Bhatia, C. R., 57

353

Centromere, determination of position in

mouse, 215 Chain termination suppressors in Salmonella,

Chandra, Sharat, H. 265

Chapman, Victor, 311

Chlamydomonas reinhardii, flagella of temporary dikaryons, 107

Chromosome, inactivation in mammals and coccids, 265

pairing of homoeologues in wheat, 311, 329 structure and recombination in eukaryotes, 85

Complementation between R factors in E.

coli, 287

Coprinus lagopus, mutants resistant to 2-Deoxy-D-Glucose, 341

pho loci mapping, 163

production and genetics of phosphatases, 153

reg loci mapping, 162

Covariance, nature of purebred-crossbred, 1

Day, A. W., 299

Disjunction in mouse translocations, 215

Drosophila melanogaster, estimation of heterosis. 97

purine and pyrimidine requiring mutant, 117

spirochaete virus affecting sex ratio, 45 Dunn, N. W., 185

Embryonic fluid relations in mouse, 71 Epistatic models, in study of covariance, 2 Escherichia coli K12, curing of R factor by thymine starvation, 173

R factor recombination and complementation, 287

Ficarra, Giuseppina, 133

Flavell, Richard B., 237

Ford, C. E., 215

Fructose transport mutants of Coprinus, 343

Gale, Michael D., 237, 329 Grimes, Gary W., 115

Hedges, R. W., 9, 21, 29, 353

Heslot, H., 33

Heterosis, estimation in Drosophila, 97

Holloway, B. W., 185

Howe, T. G. B., 287

Inactivation of whole chromosomes, 267 Isoenzymes in *Triticinae*, 57

Jaszczuk, E., 199

Jones, J. K., 299

Johnson, D. R., 71

Johnston, J. R., 147, 179

Kappa particles, correlation with phage-like particles in *Paramecium*, 115

Kimura, Motoo, 125

Klebsiella aerogenes, curing of R factor by thymine starvation, 173

Lamb, B. C., 255 Latter, B. D. H., 245

Lewis, D., 153

Maruyama, Takeo, 81, 125

McNew, R. W., 1

Meiotic chromosome pairing of homoeologues in wheat, 311, 329 Meiotic disjunction in mouse translocations, 215

Mitotic haploidisation induced by p-fluorophenylalanine in *Ustilago violacea*, 299

Mitra, R., 57

Moore, David, 341

Mouse, determination of centromere position, 215

effects of genes and genotypes on embryonic fluid relations, 71

meiotic disjunction in translocations, 215

Neurospora crassa, premeiotic control of recombination frequencies, 255

North, Jane, 153

Ohta, Tomoko, 277

Oishi, Kugao, 45

Overdominance association caused by linked detrimental mutations, 277

Paramecium aurelia, correlation between kappa and phage-like particles, 155

Paszewski, A., 199

Phalaris tuberosa, maternal effects on seedling growth and development, 245

Phosphatases of Coprinus lagopus, 153

Pinney, R. S., 173

Pleiotropy of p-fluorophenylalanine-resistant and antibiotic hypersensitive mutants of *Pseudomonas*, 185

Polymorphism pattern in geographically structured, population, 125

Polyploidy in Triticinae, 57

Population studies, invariant property of structured population, 81

neutral polymorphism in geographically structured population, 125

Pourquié, J., 33

Prazmo, W., 199

Preer, John, R. Jnr., 115

Pseudomonas aeruginosa, pleiotropy of pfluorophenylalanine resistant and antibiotic hypersensitive mutants, 185

Puglia, A. Maria, 133

Purine, metabolism in fission yeast, 33 requiring mutant of *Drosophila*, 117

Putrament, Aleksandra, 85

Pyrimidine requiring mutant of *Drosophila*, 117

Randall, Sir John, 107

Recombination, between R factors in E. coli, 287

chromosome structure in eukaryotes, 85 intra- and inter-genic, influenced by genetic factors, 88

multiple events of 84 W locus in Ascobolus, 199

premeiotic control of frequencies in *Neurospora*, 255

role of chromosomal and synaptinemal protein complexes, 89

spontaneous mitotic in yeast, 147

time course of recombinant production in Streptomyces, 133

Riley, Ralph, 311, 329

R. factor, elimination by thymine starvation, 173

recombination and complementation, 287

Saccharomyces cerevisiae, genetic analysis of spontaneous half-sectored colonies, 179 spontaneous mitotic recombination, 147

Salmonella anatum, chain termination suppressors, 353

transduction, by bacteriophage ϵ^{15} , 9,21,29 transduction, by bacteriophage ϵ^{15} mutants affecting conversion, 29

Sang, J. H., 117

Schizosaccharomyces pombe, purine metabolism, 33

Searle, A. G., 215

Sex-ratio abnormality (SR) caused by a spirochaete virus in *Drosophila*, 45

Smith, J. T., 173

Starling, David, 107

Stewart, George, R., 341

Streptomyces coelicolor, time course of recombinant production, 133

Sved, J. A., 97

Thornton, R. J., 147

Thymine starvation in curing R factors, 173 Transduction by phage e^{15} ,

mechanisms, 9, 21, 29

lactose genes, 9

arabinose genes, 9

arabinose genes, 9

penicillin resistance, 9
Triticinae, isoenzymes and polyploidy, 57

Triticum aestivum, control of anthocyanin biosynthesis, 237

mutants allowing meiotic pairing of homoeologues, 31?, 329

Ustilago violacea, mitotic haploidisation, 299

Vyse, E. R., 177

Wall, A. M., 311, 329

Wheat, control of anthocyanin biosynthesis, 237

homoeologous chromosome pairing, 311, 329 isoenzymes and polyploidy, 57