

INDEX OF SUBJECTS

Acid-fast bacilli:

Mycobacterium ulcerans, 47

Mycobacterium xenopeii, 57

Age influence on host cell on neurotropic virus multiplication and resistance to infection, 106

Albino mice, effect of constant daylight time on reproduction, 193

Allantois, variation of host resistance to influenza viruses, 123

Allergic and immune reactions in guinea pigs to diphtheria toxin and toxoid, 216

Animal breeding, the influence of different breeding systems on general health of mouse colonies, 386

Anticoagulants, comparison of rodenticidal efficiency, 135

Anti-diphtheria immunization and paralytic poliomyelitis, 150

Antitoxin production in different animal species, influence of thyroid gland, 202

Arthropod transmission of rabbit fibromatosis, 1

Bacteria in air-borne particles, estimation by radiation methods, 299

Bacterial resistance to drying, survival times of *Shigella sonnei*, 210

Bathing beaches, contamination by sewage effluents, 435

Calf sera, neonatal and maternal colostrum, ultracentrifugal and electrophoretic studies, 309

Calves, experimental study of *Mycobacterium ulcerans*, 47

Chi-squared index of dispersion test, 360

Clostridium welchii food-poisoning, hospital outbreaks, 31

Coagulase-positive staphylococci, grading of, 162

Coastal bathing waters in England and Wales, sewage pollution of, 435

Coliform organisms in water, culture media for presumptive tests, 184, 249

Competitive growth in broth of mixed cultures of *Escherichia coli*, 174

Constant daylight time effect on reproduction in albino mice, 193

Contamination of apparatus during freeze-drying of micro-organisms, 403

Culture media for presumptive coli test, 184, 249

Differential growth of mixed strains of *Escherichia coli* in broth, 174

Diphtheria toxin and toxoid, fate of iodine labelled preparations in skin of immune and allergic guinea-pigs, 227

Diphtheria toxin and toxoid, immune and allergic reactions in guinea-pigs, 216

Domestic and farm animals, salmonella-infections, 266

Drying of viruses, contamination of drying apparatus, 403

ECHO virus, Type 11 (U-virus) infections, experimental transmission, 274

Electron bombardment of bacteria, for estimation of numbers of organisms in air-borne particles, 299

Electrophoretic and ultra centrifugal studies on neonatal calf sera and maternal colostrum, 309

Enterotoxaemia of piglets, experimental reproduction of disease, 81

Escherichia coli, competitive growth of pathogenic and non-pathogenic types in mixed cultures, 174

Farm and domestic animals, salmonella infections, 266

Fibromatosis, rabbit, arthropod transmission, 1

Formate lactose glutamate, a possible substitute for MacConkey broth in the presumptive coli test, 249

Freeze-drying of micro-organisms, contamination of drying apparatus, 403

Group A streptococci starch-accumulating strains, nephritis and rheumatic fever association with, 235

- Immune and allergic reactions in guinea-pigs to diphtheria toxin and toxoid, 216
Infra-red spectroscopy, application to microbiological studies, 326
- Klebsiella*, experimental infections of mice, difference between oral and intraperitoneal routes, 68
- Laboratory mice, influence of breeding methods on general health of mouse colonies, 386
- MacConkey broth, possible substitute media for presumptive coli test, 184, 249
Mannitol fermentation of *Staphylococcus aureus*, assessment of value of this reaction in grading infections, 162
Mesenteric gland infections of farm and domestic animals with salmonella organisms, 266
Mice, laboratory, general health related to breeding system, 386
Mice, fate of tubercle bacilli in early experimental infections, 473
Mice, oral route for experimental infections with *Klebsiella*, 68
Molecular equivalents of antibody required for prophylaxis and treatment of poliomyelitis, 198
Mycobacterium ulcerans, experimental study in calves, 47
Mycobacterium xenopeii, an acid-fast bacillus pathogenic for the toad, 57
Myxomatosis in rabbits, influence of an ambient temperature on course of the disease, 484
- Nephritis and rheumatic fever acute, association of starch accumulating strains of Group A streptococci, 235
- Oral and intraperitoneal routes compared for experimental infections of mice with *Klebsiella*, 68
- Paralytic poliomyelitis, provocation by diphtheria prophylactics, 150
Paratyphoid infections from sea bathing, 435
Phage-typing of *Salmonella typhimurium*, a new scheme, 346
Phthisis in men over forty, 367
Piglets, experimental reproduction of enterotoxaemia, 81
Pigs, infections with salmonella organisms, 92, 266
Poisoning of rats in sewers, study of populations after, 291
Poliomyelitis antibody, estimate of molecular equivalents required for prophylaxis and treatment, 198
Poliomyelitis, dangers from polluted bathing waters, 435
Poliomyelitis, paralytic, the provocation risk of diphtheria prophylactics, 150
Poliovirus, Type 1, further experiments in adapting virus to suckling mice, 285
Poliovirus, Type 1, soluble non-infective complement-fixing antigen from suckling mouse brains, 321
Poliovirus, Types 1 and 2, comparison of CF antigens in infected suckling mouse brains and in tissue culture, 321
Post-cooking contamination of meat dishes with *Clostridium welchii*, 31
Post-mortem examination dangers from infected animals, protection against, 407
Poultry and pig feeding-stuffs contaminated with salmonellae, 92
Power function of the χ^2 test, 360
Protective cabinet for the post-mortem examination of infected animals, 407
Provocation paralysis of poliomyelitis induced by diphtheria prophylactics, 150
Pulmonary tuberculosis among men over forty, 367
- Rabbit fibromatosis (Shope), arthropod transmission of, 1
Rabbit myxomatosis, influence of an ambient temperature on the course of, 484
Rats, recovery rates from sewers after poisoning, 291
Recording spectrophotometers, use in microbiology, 326
River pollution and sewage purification, 410
Rodenticidal efficiency of anticoagulants, 135
Role of pigs in salmonella infections of man, 92

- Salmonella agglutinins in healthy African adults, 427
- Salmonella-contaminated pig-meal and infection of pigs, 92
- Salmonella infections from sea-bathing, 435
- Salmonella isolations from mesenteric glands of farm and domestic animals, 266
- Salmonella sero-types isolated in Ibadan, Nigeria, 427
- Salmonella typhimurium*, a new phage-typing scheme, 346
- Salmonellosis in pigs in Northern Ireland, 92
- Sampling study on power function of the χ^2 'index of dispersion' test, 360
- Sewage contamination of bathing beaches, 435
- Sewage purification and river pollution in South Africa, 410
- Shigella sonnei*, survival times on cotton threads, 210
- Shope's fibromatosis in rabbits, arthropod transmission of, 1
- Staphylococci and hospital cross-infections, grading of strains, 162
- Starch accumulating strains of group A streptococci, relation to nephritis and rheumatic fever, 235
- Streptococci, group A and starch accumulation, 235
- Substitute for MacConkey broth, the possibility of formate lactose glutamate, 249
- Survival of *Shigella sonnei* on cotton threads, 210
- Temperature and incubation time in differentiating pathogenic from non-pathogenic sero-types of *Escherichia coli*, 174
- Temperature influence on the course of myxomatosis in rabbits, 484
- Thyroid gland influence on antitoxin in different animal species, 202
- Tubercle in mice, the fate of tubercle bacilli in early experimental infections, 473
- Tuberculosis of the lung in men over forty, 367
- U-virus (ECHO, Type 11), human transmission experiments, 274
- Variation of host resistance in the allantois to influenza viruses, 123
- Viruses:
- Cosackie, 106
 - ECHO, 274
 - Influenza, 123
 - Mouse encephomyelitis, 106
 - Myxomatosis, 484
 - Poliomyelitis, 150, 198, 285, 321
 - Rabbit fibromatosis, 1
- Virus multiplication, influence on the age of the host cell on, 106
- Water bacteriology, comparison of different media for the detection of coliform organisms, 184, 249
- Welchii* food-poisoning, 31