CONTENTS

NUMBER 1, JANUARY, 1951

The Failure of Hyaluronidase to Influence Growth of PR8 Virus in Chick Embryos. Lyle B. Fastier .......................................................... 1
The Influenza Virus Receptor and Blood Group Antigens of Human Erythrocyte Stromata. Calderon Howe ................................................. 9
Studies on the Use of Enzyme-Treated Red Cells in Tests for Rh Sensitization. Alexander S. Wiener and Lillian Katz .......................................................... 51
A Study of the Reaction Between Human Serum Albumin and Its Homologous Equine Antibody Through the Medium of Light Scattering. David Gitlin and Harold Edelhoch .............................................................. 67
The Light-Scattering Properties of an Antigen-Antibody Reaction. Richard J. Goldberg and Dan H. Campbell .......................................................... 79
The Inhibition of GDVII Virus Haemagglutination by Normal Tissue Extracts. Lyle B. Fastier .......................................................... 87
Serological Reactions in Rheumatoid Arthritis. III. Increased Agglutination of Sessitized Sheep Erythrocytes in the Presence of Normal Animal Sera. Robert M. Pike, S. Edward Sulkin and Howard C. Coggeshall .......................................................... 107
Mixed Infection with Bacterial Virus T5 and Its Heat Stable Mutant. Mark H. Adams 131

NUMBER 2, FEBRUARY, 1951

Fractionation of Rh Antiserum by Electrophoresis-Convection. John R. Cann, Raymond A. Brown, D. Carleton Gajdusek, John G. Kirkwood and Phillip Sturgeon .......................................................... 137
Antigenic Potency in Man of the Specific Polysaccharides of Types I and V Pneumococcus and their Products of Alkaline Degradation. Michael Heidelberger, Colin M. MacLeod and Marie M. DiLapi .......................................................... 145
Nontoxic Influenza Virus. Albert P. McKee .................................................. 151
The Egg-White Inhibitor of Influenza Virus Hemagglutination. IV. Production of Modified (Weak) Inhibitor by Influenza Viruses: An Interpretation of Virus-Induced Changes in the Character of the Inhibition Curve. Frank Lanni, Yvonne Théry Lanni and J. W. Beard .......................................................... 169
The Egg-White Inhibitor of Influenza Virus Hemagglutination. VII. Inhibitor Gradient for Influenza Viruses. Yvonne Théry Lanni, Frank Lanni and J. W. Beard .......................................................... 213
Precipitin Production in Chickens. VI. The Effect of Varying Concentrations of NaCl on Precipitate Formation. Morris Goodman, Harold R. Wolfe and Stata Norton .......................................................... 225
Chemical Inhibition of the Growth of the Virus of Influenza in Embryonated Eggs. A. F. Rasmussen, Jr. and Julia C. Stokes .......................................................... 237
Studies on Thermostable Antigens Extracted from Bacterium tularense and from Tissues of Animals Dead of Tularemia. Carl L. Larson .......................................................... 249
Mazzini Cardiolipin Microflocculation Test for Syphilis. L. Y. Mazzini .......................................................... 261
Immunologic Comparison of Different Laboratory Lines of the Lansing Strain of Poliomyelitis Virus. Byron L. Bennett and Jonas E. Salk .......................................................... 277
Evidence for Dissociation of Titer of Infectious and Antigenic Activity in a Preparation of the Lansing Strain of Poliomyelitis Virus. Jonas E. Salk and Byron L. Bennett ................................................................. 283

Origin of Naturally Occurring Hemagglutinins and Hemolysins: A Review. Alexander S. Wiener ................................................................. 287

NUMBER 3, MARCH, 1951

Specificity of Radio-Iodinated (I\(^{131}\)) Immune Globulin as Determined by Quantitative Precipitin Reactions. S. P. Masouredis, L. R. Melcher and D. C. Koblick ................. 297

The Influence of Polymorphonuclear Leukocytes and Macrophages on Antibody Production. Theodore E. Walsh and Catherine A. Smith ......................................................... 303

Antitoxin Response to Repeated (Daily) Doses of Diphtheria Toxoid. E. Carlinfanti ......................................................... 311

The Antibody Response to Mumps Vaccine as Evaluated by the Complement Fixation and Serum-Virus Neutralization tests. Anson Hoyt, Thomas M. Eby, Peryl Ashton and M. V. Veldee ................................................. 317

The Production of Potent Anti-Human Globulin (Coombs Reagent) in Rabbits Immunized with Serum Adjuvant Mixtures. Charles P. Emerson, William Franklin and Francis C. Lowell ................................................................. 323


Mouse Encephalomyelitis. Immunologic Studies of a Non-Infected Colony. Donald J. Dean ................................................................. 347

Evidence of Resistance to Tumor Graft in Early Stages of Induced Oncolysis. Paul Myron Aptekman and Margaret Reed Lewis ................................................................. 361

Factors Involved in Haemagglutination by the GDVII Strain of Murine Encephalomyelitis Virus. Lyle B. Fastier ................................................................. 365

The Influence of ACTH and Cortisone on Histamine and Anaphylactic Shock in the Guinea Pig. Saul Malkiel ................................................................. 379


Agglutinating Antibodies in Serum and Feces. William L. Barksdale and Akira Ghoda ................................................................. 395

Book Review: The Nature of the Bacterial Surface. A. M. Pappenheimer, Jr ................................................................. 403

NUMBER 4, APRIL, 1951

The Effect of FA and Lansing Viruses on the Cholinesterase Activity of Brain and Spinal Cord Homogenates. J. Maxwell Little and Robert B. Lawson ................................................................. 405


Tuberculin Type Sensitivity to Spinal Cord Antigen in Rabbits with Isoallergic Encephalomyelitis. Byron H. Waksman and L. Raymond Morrison ................................................................. 421

Experimental Determination of the Hypersensitive Diathesis in Man. William P. Creger, Sun Hak Choy and Lowell A. Rantz ................................................................. 445

Experimental Hypersensitivity in the Rabbit. Disappearance Rates of Native and Labelled Heterologous Proteins from the Serum after Intravenous Injection. David Gitlin, Harrison Latta, William H. Batchelor and Charles A. Janeway ................................................................. 451


Mixed Infection of a Bacterium with Coli-Dysentery Phage T5 and a Serologically Related Salmonella Phage. Mark H. Adams ................................................................. 477

Book Review: The Production of Antibodies. Felix Haurowitz ................................................................. 485

NUMBER 5, MAY, 1951