CONTENTS

NUMBER 1, JANUARY, 1949

Quantitative Studies in Anaphylaxis. I. Influence of Age and Body-Weight of Guinea Pigs on the Sensitizing and Shocking Dose. E. J. Coulson and Henry Stevens.......................... 1

Quantitative Studies in Anaphylaxis. II. The Relationship of the Shocking Dose to the Sensitizing Dose. E. J. Coulson, Henry Stevens and James H. Shimp..... 11

Studies on a Factor in Whole Wheat Flour, Modifying Pneumococcal Infection in Mice. Murray Dworetzky................................................................. 17

Studies on the Antigenicity of Toxic Extracts of Hemophilus pertussis. W. F. Verwey and Elizabeth H. Thiele.......................................................... 27

Pertussis Immunisation—Additional Factors Governing the Potency for Mice and Phase I Vaccines. David F. Gray......................................................... 35

The Effect of Acriflavine and Phosphine GRN on Lysis of Bacteria by Bacteriophage. Andrew G. Smith................................................................. 57

The Effect of Salt Concentration on the Interaction of Influenza A Virus and Erythrocytes. John A. Flick, Barbara Sanford and Stuart Mudd...................... 65


The Effect of Complement in the Neutralization of Mumps Virus. Glen R. Leymaster and Thomas G. Ward................................................................. 95

The Significance of Antigen in Animal Tissues. Lloyd D. Felton.......................... 107

NUMBER 2, FEBRUARY, 1949

Quantitative Studies in Anaphylaxis. E. J. Coulson and Henry Stevens............ 119

A More Accurate Method for the Statistical Evaluation of the Effects of Vaccination. E. Carlinfanti................................................................. 125

Immunological Evidence on the Role of the Lymphocyte in Antibody Formation. Karl Habel, Kenneth M. Endicott, J. Frederick Bell and Frances Spear.......... 131

The Isolation of a Serum Lipid Which Inhibits Serologic Reactions. Elliot Volkin... 143

Measurement and Preservation of Antibodies in Human Sera. Michael Heidelberger and Marie M. DiLapi................................................................. 153

Flagellar Antigens of Escherichia coli. C. A. Stuart and Philip L. Carpenter........ 161

Blood Groups and Subgroups of the Newborn. I. The A Factor of the Newborn. Ernest Witebsky and Lillian M. Engasser.................................................. 171

The Antibody Response of Rabbits to a Single Injection of Type I Pneumococci. Colin M. MacLeod, Michael Heidelberger, Betty Robinson, Marie M. DiLapi, Annabel W. Walter and Wheelan D. Sutliff ........................................... 179

The Antihyaluronidase Content of Human Blood Serum. Robert W. Quinn........... 185

Influenza Antibodies in Lymphocytes of Rabbits Following the Local Injection of Virus. Susanna Harris and T. N. Harris............................................. 193

NUMBER 3, MARCH, 1949

Studies In Dysentery Vaccination. VI. Primary Vaccination of Children with Polyvalent Vaccines of Shigella. Merlin L. Cooper, Jack Tepper and Helen M. Keller... 209

Studies In Dysentery Vaccination. VII. Response of Children to Booster Injections of Shigella Vaccines. Merlin L. Cooper, Jack Tepper and Helen M. Keller..... 221

Immune Response in Mice After Vaccination with Bacterium tularenses. Isaac Ruchman and Lee Fosshay................................................................. 229

An Evaluation of the Test for Antihemagglutinin in the Diagnosis of Infections by the Mumps Virus. Frederick C. Robbins, Lawrence Kilham, Jeannette H. Levens and John F. Enders................................................................. 235
The Specificity of the Agglutination-Reaction with Autoclaved Hemolytic Streptococci and the Role of the Group-Specific Polysaccharide in the Reaction. Sung J. Liao... 243
Precipitin Production in Chickens. Harold R. Wolfe and Eleanor Dilks........... 251
Studies in the Metabolism of the Tubercle Bacillus. M. I. Smith and E. W. Emmart... 259
The Relation of Shigella Type-Specificity and Susceptibility to Antibiotic-Producing Strains of Escherichia coli. Seymour P. Halbert and Margaret Gravatt............ 271

NUMBER 4, APRIL, 1949

Immunological Studies on Egg White Proteins. I. Precipitation of Chicken-Ovalbumin and Conalbumin by Rabbit- and Horse-Antisera. Melvin Cohn, Leslie R. Wetter and Harold F. Deutsch............................................. 283
The Application of a Quantitative Complement-Fixation Method to a Study of Q Fever Strain Differentiation. Don M. Wolfe and Lottie Kornfeld............. 297
A New Type of Phase Variation in the 103 Race of Shigella paradysenteriae. Lyle Veazie........................................................................ 307
Retarding Action of Adrenal Gland on Growth of Sarcoma Grafts in Rats. Margaret Reed Lewis, Paul Myron Aptekman and Helen Dean King................... 315
Inactivation of Malignant Tissue in Tumor-Immune Rats. Margaret Reed Lewis, Paul Myron Aptekman and Helen Dean King........................................ 321
Studies on Streptomycin. V. Complex Formation between Streptomycin and Cellulose, Proteins, and Desoxyribonucleic Acid and Its Reversal by Salt. Sam Berkman, Riley D. Housewright and Richard J. Henry......................... 349
Studies on the Etiology and Pathogenesis of Experimental Meningoencephalomyelitis in the Guinea Pig. Ellsworth C. Alvord, Jr........................................ 355
A Search for Human Carriers of Influenza Virus. Albert P. McKee and Wm. M. Hale... 369
Letters to the Editors.............................................................. 373
Index.............................................................................. 377