CONTENTS

NUMBER 1, JANUARY, 1939

Serological Studies of the Reptilia. I. Hemagglutinins and Hemagglutinogens of Snake Blood. Glenn C. Bond ................................. 1

Serological Studies of the Reptilia. II. The Hemolytic Property of Snake Serum. Glenn C. Bond and Noble P. Sherwood ....................... 11

Acquired Specific Supersensitivity (Allergy) to Simple Chemicals. IV. A Method of Experimental Sensitization; and Demonstration of Increased Susceptibility in Individuals with Eczematous Dermatitis of Contact Type. Marion B. Sulzberger and A. Rostenberg, Jr. ............ 17

A Simple and Inexpensive Apparatus for the Desiccation of Biological Materials from the Frozen State. Henry W. Scherp and Thomas P. Hughes. 29

Nonspecific "Desensitization" Through Histamine. Laurence Farmer .... 37

The Quantitative Relation of Fibrinolysin and Antifibrinolysin. Benedict F. Massell, John R. Mote and T. Duckett Jones ...................... 45

Factors Affecting the Quantitative Relation of Fibrinolysin and Antifibrinolysin. John R. Mote, Benedict F. Massell, and T. Duckett Jones 59

Differences in Hemolytic-streptococcal Antifibrinolysins. John R. Mote, Benedict F. Massell and T. Duckett Jones ................. 71

NUMBER 2, FEBRUARY, 1939

Anaphylaxis in the Rhesus Monkey. I. Horse Serum as an Antigen. Lenore M. Kopeloff and Nicholas Kopeloff .................................... 83

Anaphylaxis in the Rhesus Monkey. II. Egg-White as an Antigen. Lenore M. Kopeloff and Nicholas Kopeloff .................................... 101

A Study of Meningococcal Cultures from Horses Immunized Against Meningococci. Sophia M. Cohen ......................................... 71

Antigenic Relationships of Pneumococci to Erythroeytes and Organs of Men and Animals. A. J. Weil and E. Sherman ..................... 139

The Neutralization of Vaccine Virus by Serum of Vaccine-Immune Animals. Robert F. Parker ..................................................... 147

Non-Specific Factors in Resistance. I. Capacity to Sustain Effective Circulation. Arthur Locke .................................................. 159

Non-Specific Factors in Resistance. II. Ability to Withstand Shock. Arthur Locke and E. R. Main ........................................... 173


NUMBER 3, MARCH, 1939

CONTENTS


Quantitative Studies on the Neutralization of Pathogenic Agents in Tissues by Circulating Antibodies. III. The Permeability of the Cerebral Capillaries to Antibodies. Ulrich Friedemann, Bernard Zuger, and Alvin Hollander ...................................................... 219

Quantitative Studies on the Neutralization of Pathogenic Agents in Tissues by Circulating Antibodies. IV. Specific Factors the Combining Power of the Test-Dose and the Susceptibility of the Experimental Animal. Ulrich Friedemann and Bernard Zuger ................................................. 231

A Fractionation of the Globulins of Types 1 and 2 Antipneumococcal Horse Serum. Arda Alden Green, Charles F. McKhann, Israel Kapnick, and Kathleen R. Fahey ................................................... 245

NUMBER 4, APRIL, 1939

The Second Stage of the Agglutination Reaction. Alexander S. Wiener and Morris Herman ....................................................... 255

Studies on the Fibrinolysin Produced by the Hemolytic Streptococcus. Jacob M. Jablonowitz ......................................................... 261

The Sensitization of Guinea Pigs to Amidopyrine. Alfred Golden and Hyman W. Giersen ................................ 277


Immunological Studies in Active Vaccination Against Scarlet Fever. Max M. Strumia. With the Technical Coöperation of Miss Linden Crawford, Miss Betty Bergh and Miss Regina N. Neher .............................................. 301

The Effect of Volume of an Antigen Solution on Its Rate of Absorption. Theodore B. Bernstein, Simon S. Rubin and Samuel M. Feinberg ...... 309

An Endotoxin from Aspergillus Fumigatus. Arthur T. Henrici ............ 319

NUMBER 5, MAY, 1939

Vaccination against Typhus Fever with the Zinsser-Castaneda Vaccine. Felix Veintemillas ..................................................... 339


Laboratory Assay of Pertussis Undenatured Bacterial Antigen. H. M. Powell and W. A. Jamieson ................................................. 361

Non-Specific Factors in Resistance. IV. The Common Cold. A. Locke .. 365

Antigenic Structure of Hemolytic Streptococci of Lancefield Group A. Stuart Mudd, Horace Pettit, David B. Lackman, and Isabel M. Morgan ...... 381

Studies on the Virulence of Organisms. A. J. Salle and J. L. Morrison 385

The Action of Bacterial Toxins on Embryonic Chicks. Florence L. Evans . 395

Sensitization and Antibody Formation in Monkeys Injected with Tubercle Bacilli in Paraffin Oil. J. Casals and Jules Freund ......................... 399
CONTENTS

Acquisition of Heterophile Antigen by Eberthella typhosa and Salmonella paratyphi during Culture on Artificial Media. D. Frank Holtman ...... 405

The Acquisition of Heterophile Antigen from the Guinea Pig by Eberthella typhosa and Salmonella paratyphi. D. Frank Holtman ............... 413

Production in Experimental Animals of Antibodies to Short-Ragweed Pollen. H. Eagle, C. E. Arbesman, and W. Winkenwerder .................. 425


Passive Sensitization of Human Skin by Serum of Experimentally Sensitized Animals. W. B. Sherman, A. Stuhl and S. F. Hampton ............ 447

Combined Therapy of Pneumococcic Rat Infections with Rabbit Antipneumococcic Serum and Sulfapyridine. H. M. Powell and W. A. Jamieson . 459

Quantitative Studies on the Neutralization of Pathogenic Agents in Tissues by Circulating Antibodies. V. The Coefficients of the Distribution of Horse and Rabbit Serum Diphtheria-Antitoxins between Blood and Skin. Ulrich Friedemann, Bernard Zuger, and Alvin Hollander ...... 467

  I. The Permeability of the C-N-S Barrier to Tetanal Toxin .................. 473
  II. The influence of Section of the Nerve on the Neutralization of Intramuscularly Injected Tetanal Toxin by Circulating Antitoxin ...... 485

NUMBER 6, JUNE, 1939

Studies on the Hemolytic Streptococcus. I. Isolation and Concentration of Erythrogenic Toxin of the NY5 Strain of Hemolytic Streptococcus. Aaron H. Stock ....................................................... 489

Studies on the Hemolytic Streptococcus. II. Experimental Use of Purified Erythrogenic Toxins in Immunization against Scarlet Fever. Maud L. Menten, Harold H. Finlay and Aaron H. Stock ................................. 499

Serum Sickness in Rabbits. VII. A Method for Removing or Destroying the Factor Causing Serum Sickness. Moyer S. Fleisher and Lloyd R. Jones .............................................................. 511

Blood Groups and MN-types of Eskimos in East Greenland. Vibeke Fabricius-Hansen .......................................................... 523

The specificity of Formolized Proteins. John L. Jacobs and Sheldon C. Sommers................................................................. 531

Orientation of Antigen-Antibody Specificity in Monomolecular Films. Leslie A. Chambers ........................................................ 531

Effects of Aleuronat Injection on Complementing Activity of Guinea-Pig Serum. O. O. Williams and Tom Dougherty ........................... 559

Index.................................................................... 563