

CONTENTS

NUMBER 1, JANUARY, 1950

A Quantitative Study of the Arthus Phenomenon Induced Passively in the Guinea Pig. Baruj Benacerraf and Elvin A. Kabat.....	1
Production of Specific Antisera for Enzymes that Decompose the Carbohydrates of Pneumococcus Types III and VIII. Grace M. Sickles and Myrtle Shaw.....	21
Production of Specific Pneumococcus Carbohydrate-Splitting Enzymes in Media to which the Specific Substrate was not Added. Myrtle Shaw and Grace M. Sickles.....	27
The Recurrence of Influenza A Prime in a Boarding School after 2 Years. M. Michael Sigel, Albert W. Kitts, A. B. Light and Werner Henle.....	33

NUMBER 2, FEBRUARY, 1950

The Occurrence in Human Plasma Fractions of the Antibodies to <i>H. pertussis</i> . John H. Hink, Jr., and Frederick F. Johnson.....	39
Biological and Technical Factors in the Demonstration of Antibody Production by Lymphatic Tissue. T. N. Harris and Susanna Harris.....	45
Estimation of Potency of Scarletinal Antitoxin by a Combined Flocculation and Rabbit Skin Test Method. S. S. Rao and P. J. Moloney.....	57
A Modified Habel-Sockrider Ultraviolet Irradiation Apparatus for Use in Serum and Vaccine Production. Virginia Bozeman, J. T. Tripp and Beth Berry.....	65
A Nonspecific Heat-Labile Factor in the Serum Neutralization Test for Newcastle Dis- ease Virus. Beatrice F. Howitt.....	73
The Inactivation of Rh Antibodies by Peroxidase. Philip F. Wagley, Irwin W. Sizer, Louis K. Diamond and Fred H. Allen.....	85
Comparison of Two Different Antagonists as Inhibitors of Acriflavine Fastness of Trypanosomes. R. J. Schnitzer and D. R. Kelly.....	95
Infection of Cynomolgus Monkeys with the Ohio Type of Cocksackie Virus (C Virus) Joseph L. Melnick and Nada Ledinko.....	101

NUMBER 3, MARCH, 1950

Studies on the Chemical Nature of a Normal Plasma Factor which Suppresses Variation of <i>Brucella abortus</i> . Leonard J. Cole and Werner Braun.....	111
The Quantitative Estimation of the Removal of Bacteria from the Blood by the Various Organs of the Immunized Animal. Grace P. Kerby, Bernard C. Holland and Sam- uel P. Martin.....	123
A Comparison of the Removal of Mucoid and Non-mucoid Variants of <i>Klebsiella pneu-</i> <i>moniae</i> Type B from the Splanchnic Circulating Blood of the Intact Animal. Grace P. Kerby.....	131
Immunity in Plague: A Critical Consideration of Some Recent Studies. Karl F. Meyer..	139
The Effect of Low Temperatures on Vaccines of Influenza Virus and on Purified In- fluenza Virus. Kari Penttinen.....	165
The Relationship between Precipitin Titer and Number of <i>Trichinella spiralis</i> in In- testinal Tract of Mice Following Test Infections. James R. Hendricks.....	173
Precipitin Production in Chickens. V. The Effect of Splenectomy on Antibody Forma- tion. Harold R. Wolfe, Stata Norton, Eleanor Springer, Morris Goodman and Chester A. Herrick.....	179
Studies on Chick-Embryo Adapted Rabies Virus. II. Pathogenicity for Dogs and Use of Egg-Adapted Strains for Vaccination Purposes. Hilary Koprowski and Jack Black..	185
Immunochemical Studies on Tobacco Mosaic Virus. VI. The Effect of Papain on the Antibody-Antigen Complex. Saul Malkiel.....	197
Interference Phenomena between Animal Viruses: A Review. Werner Henle.....	203

Relationships of Proshigella to other Members of the <i>Enterobacteriaceae</i> . Philip L. Carpenter and C. A. Stuart.....	237
Acquired Immunity in Rabbits to Infection with Group A Type 30 Hemolytic Streptococcus: Its Relation to Antibodies to the M protein. Margaret D. Bailly.....	245

NUMBER 4, APRIL, 1950

Colorado Tick Fever. Isolation of the Virus from <i>Dermacentor andersoni</i> in Nature and a Laboratory Study of the Transmission of the Virus in the Tick. Lloyd Florio, Mabel Stewart Miller and Edward R. Mugrage.....	257
Colorado Tick Fever. Isolation of Virus from <i>Dermacentor variabilis</i> Obtained from Long Island, New York, with Immunological Comparisons Between Eastern and Western Strains. Lloyd Florio, Mabel Stewart Miller and Edward R. Mugrage.....	265
The Zone of Localization of Antibodies. V. An Attempt to Saturate Antibody-Binding Sites in Mouse Kidney. David Pressman and Herman N. Eisen.....	273
The Zone of Localization of Antibodies. VI. The Rate of Localization of Anti-Mouse-Kidney Serum. David Pressman, Herman N. Eisen and Patrick J. Fitzgerald.....	281
The Effect of Splenectomy on the Formation of Circulating Antibody in the Adult Male Albino Rat. Donald A. Rowley.....	289
The Formation of Complement Fixing and Neutralizing Antibodies After the Injection of Inactivated Rabies Virus with Adjuvants. Murray M. Lipton and Jules Freund.....	297
Studies on Newcastle Disease Virus Encephalitis in Rhesus Monkeys. Herbert A. Wenner, Anne Monley and Richard N. Todd.....	305
Studies on Complement Fixation with Newcastle Disease Virus. Herbert A. Wenner, Anne Monley and Richard N. Todd.....	323
Mutation to Heat Resistance in Coliphage T5. Mark H. Adams and Gordon Lark.....	335
Collodion Particle Agglutination with Acute-Phase Serums and Immune Globulin in Viral Hepatitis. W. Paul Havens, Jr., and Hazel L. Eichman.....	349

NUMBER 5, MAY, 1950

Heparin and Ocular Hypersensitivity. Malcolm W. Bick and Ronald M. Wood.....	357
Immunization of Hamsters and Dogs against Experimental Leptospirosis. K. T. Brunner and K. F. Meyer.....	365
Quantitative Studies on Diphtheria Prophylactic and Some Considerations on the Assessment of Antigenicity. E. Carlinfant.....	373
Biophysical Studies of Blood Plasma Proteins. XIII. Analysis of Immunological Heterogeneity of Human Gamma Globulin Fractions. Melvin Cohn, H. F. Deutsch and L. R. Wetter.....	381
Relation of Nutritional Deficiency in Man to Antibody Production. Henry H. Balch.....	397
Serological Studies on Infectious Mononucleosis and Viral Hepatitis with Human Erythrocytes Modified by Different Strains of Newcastle Disease Virus. Alfred S. Evans.....	411
A Note on the Booster Effect of Pneumococcus Capsular Polysaccharide. F. J. Murray, K. A. Ludwig and M. J. Foter.....	421
The Antigenic Composition of <i>Cryptococcus neoformans</i> I. A Serologic Classification by Means of the Capsular and Agglutination Reactions. E. Edward Evans.....	423
The Effect of Certain Chemicals on <i>Rickettsia typhi</i> Infections in Chick Embryos. Mary Louise Robbins, Anne R. Bourke and Paul K. Smith.....	431

NUMBER 6, JUNE, 1950

Factors Affecting the Propagation of Theiler's GDVII Mouse Encephalomyelitis Virus in Tissue Cultures. Harold E. Pearson.....	447
A Non-pathogenic Bartonella-like Organism Developing in Embryonate Eggs after Injection with <i>Haemobartonella muris</i> . Leonard Laskowski, Henry Pinkerton and Donald Greiff.....	455

A Physiological Study of Virus Parasitism. I. A Method for Determining the Oxygen Uptake of Individual Embryonated Eggs. Wm. F. McLimans, R. A. Siem and V. R. Scholljegerdes.....	463
A Physiological Study of Virus Parasitism. II. The Effect of Environmental Temperature on the Rates of Oxygen Consumption of Normal Eggs and Eggs Infected with Newcastle Disease Virus. Wm. F. McLimans, R. A. Siem, B. C. Mark and E. Pinska .	475
The Zone of Localization of Antibodies. VIII. Some Properties of the Antigen Responsible for the Renal Localization of Anti-kidney Serum. Herman N. Eisen and David Pressman.....	487
Amino Acids Present in Allantoic Fluid Proteins from Chick Embryos Infected with Influenza Virus. Seymour S. Kalter	499
Studies with the Rh ₀ (D) Antigen. Calderon Howe and Robert Rustigian.....	505
Index.....	515