CONTENTS

NUMBER 1, JULY 1956

Effects of Trypsin and Certain Surface-Active Agents on Meningo-Pneumonitis Virus and on Normal Chorio-Allantoic Membrane Particulates. T. Timothy Crocker .................................................. 1
Growth of Histoplasma capsulatum in Normal, Superinfected and Immunized Mice. Donald A. Rowley and Margret Huber .......................................................... 15
Immunologic Studies on Persons Residing in a Plague Endemic Area. Francis E. Payne, Joseph E. Smadel and Jean Courdurier ................................................................ 24
The Tuberculin Reaction. VI. Studies on the Effect of Tuberculin on Tissue Cultures of the Corneas of Tuberculin-Sensitive Guinea Pigs. Karl J. May and Russell S. Weiser .............. 34
Determination of Neutralizing Antibodies against Mumps Virus in HeLa Cell Cultures. Friedrich Dienhardt and Gertrude Henle .......................................................... 40

NUMBER 2, AUGUST 1956

Changes in Activity of Newcastle Disease Virus after Adaptation to Ehrlich Ascites Tissue Culture. Alice E. Moore and Leila C. Diamond ...................................................... 81
The Relationship between the Dose of Taiwan Cobra (Naja atra) and Taiwan Habu (Trimeresurus mucrospquamatus) Venom and Time of Death in Mice. Chau-Ching Lin ....................... 87
Precipitin Production in Chickens. XIII. A Quantitative Study of the Effect of Simultaneous Injection of Two Antigens. Peter Abramoff and Harold R. Wolfe .............................. 94
Use of Fallopian Tube as Source of Tissue in the Cultivation of Poliomyelitis Virus. Enriqueta Pizarro and Rodolfo Perez-Rebelo .......................................................... 102
The Antigenicity of Polyvinyl Pyrrolidone. Paul H. Maurer .......................................................... 105
A Study of Antigenic Relationships between Trichinella spiralis and Salmonella typhi. Lawrence M. Weiner and Stella Price .......................................................... 111
Effects of Heat on the Sensitizing and Shocking Properties of Hemophilus pertussis. Leon S. Kind .......................................................... 115
Immunological Cross Reactions Studies by the Ouchterlony Gel Diffusion Technique. Theory and Practice. Leonard Kornfeld .......................................................... 119

NUMBER 3, SEPTEMBER 1956

Studies of Chemotaxis in a Simple Chamber Including Observations Using Cells from Allergic Human Subjects and Their Allergens. Jeanne Montgomery Smith ................................ 133
A Mislabeled “Reaction of Identity” in Agar Diffusion Precipitin Studies of Tetanus Antitoxin. Robert K. Jennings .......................................................... 156
Antigenic Studies on the Psittacosis-Lymphogranuloma Venereum Group of Viruses. IV. Studies on Cutaneous Hypersensitivity in Chickens Infected with Ornithosis Virus. Albert A. Benedict and Clarence McFarland .......................................................... 165
Precipitin Production in Chickens. XIV. Effect of Dilution of Chicken Antisera on the Amount of Precipitation. Nazareth Gengozian and Harold R. Wolfe .......................................................... 172
Behavior of the Rheumatoid Arthritis Agglutinating Factor with Immune Precipitates. John H. Vaughan .......................................................... 181
Serum Agar Measuring Aid (SAMA). W. G. Glenn ........................................ 189
A Comparative Study of Methods Used for Analysis of Specific Precipitates in Quantitative Immunochemistry. F. C. McDuffie and E. A. Kabat ........................................ 193
A Study of the Cellular Distribution of Forssman Antigen in Various Species. Nobuo Tanaka and Elizabeth H. Leduc ................................................ 198

NUMBER 4, OCTOBER 1956

Poliomyelitis Virus in the Central Nervous Systems of Mice During Prolonged Incubation Periods. C. A. Evans and K. R. Cundy ........................................... 213
A Comparative Study of Type 2 Poliomyelitis Viruses. II. Antigenic Differences Relating to 18 Type 2 Strains. Herbert A. Wenner, Paul Kamitsuka and Margaret Lenahan ............................... 220
Flocculation Tests for Brucellosis. Charles A. Hunter and Bernice Colbert .......... 232
Experiments on Adsorption in vitro of Type II Poliomyelitis Virus on Red Cells. Gonzalo Bautista, Jr., Claus W. Jungeblut and Helen Kodza .............................................. 242
Agglutinin Production in Normal, Subletally Irradiated, and Lethally Irradiated Mice Treated with Mouse Bone Marrow. Takashi Makinodan, Nazareth Gengozian and Charles C. Congdon ........................................ 250
Studies of the Immunochemistry of Leptospira. Nathaniel Rothstein and C. W. Hiatt ........................................................... 257
The Effect of Whole Body X-Irradiation of Mice on Immunity to Tetanus Toxoid. II. The Delayed Immune Response to Injections of Tetanus Toxoid. Myron S. Silverman and Paul H. Chin ........................................... 266
Characteristics of the New Respiratory Viruses (Adenoviruses). I. Qualitative and Quantitative Aspects of the Neutralization Reaction. Harold S. Ginsberg .................................................. 271
The Detection of Antibodies in Hayfever Sera by Means of Hemagglutination. Richard J. Feinberg, Joan D. Davison and John A. Flick ............................................. 279

NUMBER 5, NOVEMBER 1956

Purification of Kidney Components Capable of Neutralizing Kidney Localizing Anti-Rat Kidney Antibodies. Yasuo Yagi, Leonhard Korngold and David Pressman ............................ 287
A Capillary-Tube Test for Antibody against Coxiella burnetii in Human, Guinea Pig, and Sheep Sera. Lauri Luoto ......................................................... 294
The Presence of Forssman Antigen in Inbred Mice. Kurt Stern and Israel Davidsohn ...................................................... 305
Neutralizing Antibodies to Arthropod-Borne Viruses in Human Beings and Animals in the Union of South Africa. R. H. Kokernot, K. C. Smithburn and M. P. Weinbren .............................. 313
Vaccination against Smallpox. I. Lyophilized Vaccinia Virus from Infected Chorio-Allantoic Membranes. Elizabeth B. Jackson, Anita C. Ley, Leonard N. Binn and Joseph E. Smadel ........................................... 332
Vaccination against Smallpox. II. Jet Injection of Chorio-Allantoic Membrane Vaccine. Bennett L. Ellisberg, Jack M. McCown and Joseph E. Smadel ...................................... 340
Clinical and Serologic Response of Man to Immunization with Attenuated Dengue and Yellow Fever Viruses. R. Walter Schlesinger, Irving Gordon, Jack W. Frankel, Joseph W. Winter, Paul R. Patterson and William R. Dorrance .................................................. 352
Studies of Anti-Horse Crystalbumin Sera. II. The Inhibitory Effect of Excess Antigen in Heterologous Optimal Proportions Titrations. G. R. E. Naylor and M. E. Adair .............................. 365
The J Substance of Cattle. III. Seasonal Variation of the Naturally Occurring Isoantibodies for the J Substance. W. H. Stone .................................................. 369

NUMBER 6, DECEMBER 1956

Heterogeneity in Extent of the Combining Regions of Human Antidextran. Elvin A. Kabat .............................................. 377
Studies on Newcastle Disease Virus (Miyadera Strain). Masao Tokuda ................ 388
Electrophoretic and Ultracentrifugal Studies of Rabbit Hemolysins. Peter Stelos .......................................................... 396
A “Hemolysin” Associated with Leptospira. Catherine M. Russell .......................... 405
The Effect of Cobalt-60 Gamma Radiation on Tetanus Antitoxin Formation in Mice. William M. Hale and Richard D. Stoner .............................................. 410
Studies on the Role of Histamine in the Increased Susceptibility to Bacterial Endotoxins Induced by Pertussis Vaccine. Robert S. Abernathy and Wesley W. Spink .......................... 418

Local Hemorrhagic Reactions in the Mouse and the Rat after Intralabial Injection of Endotoxin; Their Relationship to the Arthus and the Schwartzman Reactions. Sanford H. Stone and Jules Freund .......................................................... 423

Antibody Response of Lethally X-Irradiated Mice Treated with Rat Bone Marrow. Nazareth Gengozian and Takaishi Makinodan .......................................................... 430

Effect of 500 r Whole Body Irradiation on the Cellular Composition of the Peritoneal Fluid Following an Intraperitoneal Injection of Antigen in Mice. R. S. Speirs ......................... 437


Systemic and Local Anaphylaxis in the Albino Rat. Murray M. Lipton, Sanford H. Stone, and Jules Freund .......................................................... 453

Concerning the Mechanism of Complement Action. I. Inhibition of Complement Activity by Diisopropyl Fluophosphate. Elmer L. Becker ................................. 462

Concerning the Mechanism of Complement Action. II. The Nature of the First Component of Guinea Pig Complement. Elmer L. Becker ................................. 469