This information is current as of April 13, 2017.

**Subscription**
Information about subscribing to *The Journal of Immunology* is online at:
http://jimmunol.org/subscription

**Permissions**
Submit copyright permission requests at:
http://www.aai.org/About/Publications/JI/copyright.html

**Email Alerts**
Receive free email-alerts when new articles cite this article. Sign up at:
http://jimmunol.org/alerts

*The Journal of Immunology* is published twice each month by
The American Association of Immunologists, Inc.,
1451 Rockville Pike, Suite 650, Rockville, MD 20852
All rights reserved.
Print ISSN: 0022-1767 Online ISSN: 1550-6606.
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 HaLa Cell Cultures. Friedrich Dienhardt and Gertrude Henle ......................................................... 40
Suppressive Activity of Xerosin on Allergic and Other Inflammatory Reactions of the Skin in Guinea Pigs. Byron H. Waksman and Vincent Groupe ........................................................ 47
A Quantitative Study of a Technique of Double Diffusion in Agar. John R. Preer, Jr. ................. 52
The Behavior in the Coombs Test of Anti-A and Anti-B Produced by Immunization with Various Blood Group A and B Substances and by Heterospecific Pregnancy. Frederic C. McDuffie and Elvin A. Kabat ................................................................. 61
The Toxic Action of Preparations Containing the Oxygen-Labile Hemolysin of Streptococcus pyogenes. V. Mechanism of Refractoriness to the Lethal Effect of the Toxin. Robert Rowen and Alan W. Bernheimer ................................................... 72

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 mucroequanus) 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 Pérez-Rebolo ................................................................. 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. Leonhard Korngold ................................................................. 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 Misleading "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
Floculation 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, Sublethally Irradiated, and Lethally Irradiated Mice Treated with Mouse Bone Marrow. Takashi Makinodan, Nazareth Gengozian and Charles C. Congdon 250
Studies of the Immunochemistry of Leptospires. Nathaniel Rothstein and C. W. Hiatt 257
The Effect of Whole Body X-Irradiation of Mice on Immunity to Tetanus Toxoid. I. 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 CapiUary-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. Eisberg, Jack M. McCown and Joseph E. Smadel .............................................................. 340
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 ......................... 386
Electrophoretic and Ultracentrifugal Studies of Rabbit Hemolysins. Peter Stelos 396
A "Hemolysin" Associated with Leptospirae. 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 Takashi 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