This information is current as of May 29, 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
CONTENTS

NUMBER 1, JULY 1955

Hypersensitivity in Mice with Experimental Histoplasmosis. S. B. Salvin ........................................... 1
A Study of Antigens Active in the Tannic Acid Hemagglutination Test Present in Filtrates of Culture of Mycobacterium tuberculosis. Stephen V. Boyden and Ernst Sorkin ................................................... 15
A Study of Antigens Active in the Middlebrook-Dubos Hemagglutination Test Present in Filtrates of Culture of Mycobacterium tuberculosis. Ernst Sorkin and Stephen V. Boyden ............................................ 22
Studies on Herpes Simplex Virus. VII. Immunological Comparison of Strains of Herpes Simplex. E. Jawetz, V. R. Coleman and E. R. Merrill .......................................................... 28
Prevention of Virus Interference by 2,5-Dimethylbenzimidazole. David A. J. Tyrrell and Igor Tamm ........................................................................................................... 43
Purification and Some Properties of Clostridium welchii Type A Theta Toxin. Florence B. Roth and Louis Pillemer ........................................................................................................... 50
Resistance of Mice with Experimental Histoplasmosis to Infection with Rickettsia typhi. S. B. Salvin and E. J. Bell ........................................................................................................... 57
Studies on the Mechanism of Inactivation of Human Complement by Plasmin and by Antigen-Antibody Aggregates. II. Demonstration of Two Distinct Reaction Stages in Complement Fixation. Irwin H. Lepow and Louis Pillemer ......................... 63
Serologic Evidence of American Experience with Newborn Pneumonitis Virus (Type Sendai). Keith E. Jensen, Elva Minuse and W. Wilbur Ackermann ...................................................................... 71
Murray Valley Encephalitis Virus: Its Serological Relationship to the Japanese-West Nile-St. Louis Encephalitis Group of Viruses. William L. Pond, Sudie B. Russ, Nancy G. Rogers and Joseph E. Snadel ......................................................... 78

NUMBER 2, AUGUST 1955

An Investigation of Some of the Factors Determining the Decrease in Complement Activity in Anaphylactic Shock. Christine E. Rice .......................................................... 85
Immunological Properties of a Form of Non-Precipitating Diphtheria Antitoxin Which Does Not Sensitize Human Skin. Studies of Its Relation to the Inhibition Reaction. William J. Kuhns .... 105
Studies on the Transfer of Lymph Node Cells. VI. Transfer of Cells Incubated in Vitro with Shigella-Treated Rabbit Serum. T. N. Harris, Susanna Harris and Miriam B. Farber ........................................... 112
Antigenicity of 6-Propiolactone-Inactivated Virus Vaccines. Gerald A. LoGrippo and Frank W. Hartman........................................................................................................................................... 123
Studies on Immunity in Anthrax. VI. Immunizing Activity of Protective Antigen against Various Strains of Bacillus anthracis. Sidney Auerbach and George G. Wright ........................................ 129
Growth of Mouse Encephalomyelitis Virus in Murine Nervous Tissue Tumors. Harold E. Pearson and Dorothy L. Lagerborg ........................................................................................................... 134
Kinetic Studies of Complement Fixation. I. A Method. Abraham G. Osler and Betsy M. Hill ........... 137
Kinetic Studies of Complement Fixation. II. The Role of the Aggregating Capacity of Antibody and Its Heterogeneity. Betsy M. Hill and Abraham G. Osler ........................................................................ 146
Differentiation and Purification of Influenza Viruses by Adsorption on Aluminum Phosphate. Herbert K. Miller and R. Walter Schlesinger .................................................................................. 155
Further Studies on the Behavior of Mumps Virus in Maitland Type of Tissue Cultures. Barbara K. Watson and F. Sargent Cheever ................................................................................................. 161
Announcement: Laboratory Refresher Training Courses ........................................................................ 166

NUMBER 3, SEPTEMBER 1955

Inhibition of the Local Shwartzman Reaction by Dicumarol. S. Spanoudis, F. Eichbaum and G. Rosenfeld ................................................................................................................................. 167
Poliomyelitis Antibodies in Human Gamma Globulin. Edward M. Opton, Daiso Nagaki and Joseph L. Melnick .......................... 178
The Effect of Ficin on the Agglutination of Human Red Blood Cells. Takashi Makinodan and Nicholas T. Maeris ........................................ 192
A Study of an Unusual Hemagglutinin in a Pooled Human Serum. Takashi Makinodan and Nicholas T. Maeris ........................................ 197
Antibody Production by Thymus and Peyer's Patches. Intracutaneous Transplant. Richard D. Stoner and William M. Hale ............................. 203
In Vivo Uptake of Isopeptide Targeted Tuberculin by Leukocytes. Roy E. Ritts, Jr. and Cutting B. Favour .................................................. 209
In Vitro Production of Diphtheria Antitoxin by Tissues of Immunized Animals. I. Procedure and Evidence for General Nature of Phenomenon. Abram B. Stavitsky .................................................. 214
Susceptibility of the Pigeon (Columba livia) to Infection with Western Equine Encephalomyelitis Virus. I. Blood Virus Levels Following Subcutaneous Inoculation. William Kaplan, John F. Winn and Dan F. Palmer .................................................. 225
The Slope Assay for Measurement of Lethal Potency of Meningo-Pneumonitis Virus in the Chick Embryo. T. Timothy Crocker and Blair M. Bennett .......................... 239
Poliomyelitis and Other Antibody Patterns in Natives of Tahiti and Raiatea. Dorothy M. Horstmann and Lisbeth M. Kraft .......................... 249

NUMBER 4, OCTOBER 1955
Use of Diphtheria Toxin and Toxoid in the Study of Immediate and Delayed Hypersensitivity in Man. A. M. Pappenheimer, Jr. .................................................. 259
The Role of Serum Proteins in Gel-Precipitin Patterns of Pasteurella pestis. J. P. Ransom, S. F. Quan, G. Omi and M. D. Hoggan .......................... 265
Studies on Organ Specificity. I. The Serological Specificity of Thyroid Extracts. Ernest Witebsky, Noel R. Rose and Sidney Shulman .................................................. 269
Studies on Organ Specificity. II. Serological Interrelationships Among Thyroid Extracts of Various Species. Noel R. Rose and Ernest Witebsky .......................... 282
Studies on Organ Specificity. III. Ultracentrifugal and Electrophoretic Examinations of Thyroid Extracts. Sidney Shulman, Noel R. Rose and Ernest Witebsky .......................... 291
Factors Affecting the Efficiency of the Aluminum Adjuvant in Diphtheria and Tetanus Toxoids. Leo Levine, Joseph L. Stone and Louise Wyman .................................................. 301
The Use of Hyperimmune Antiserum Concentrates in Experimental Western Equine Encephalomyelitis. Carl J. De Boer, Arthur E. Cadle and Shirley R. Walters .......................... 308
The Fate in Rats of Internally and Externally Labelled Heterologous Proteins. Wallace Friedberg, Harry Walter and Felix Haurowitz .......................... 315
The Effect of Whole Body X-Irradiation of Mice on Immunity to Tetanus Toxoid. I. The Effectiveness of Pre- and Post-Irradiation Injections of Tetanus Toxoid with Respect to the Development of Immunity. Myron S. Silverman and Paul H. Chin .................................................. 319
Multiplicity Reactivation of Influenza Virus. H. J. F. Cairns .................................................. 326
Absence of Neutralizing Antibodies Against Western Equine Encephalomyelitis in Sera of Children with Epilepsy. Carl P. Bernet, Gerald D. La Veck and John F. Winn .................................................. 330

NUMBER 5, NOVEMBER 1955
Studies on the Cellular Transfer of Tuberculin Sensitivity in the Guinea Pig. M. N. Metaxas and M. Metaxas-Buehler .................................................. 333
Immunologic Studies with Fractions of Virulent Treponema pallidum. I. Preparation of an Antigen by Desoxycholate Extraction and Its Use in Complement Fixation. Joseph Portnoy and Harold J. Magnuson .................................................. 348
A Comparative Study of Type 2 Poliomyelitis Viruses. I. Biologic Characters Relating to Sixteen Type 2 Strains. Herbert A. Wenner and Paul Kamitsuka .................................. 356

Studies on Egg White and Its Constituents by Immunochemical Techniques in Gelified Media: Specific Precipitation by Double Diffusion and Immunoelectrophoretic Analysis. Marie Kaminski ................................................................................. 367

The Interaction of Meningopneumonitis Virus and Krebs 2 Carcinoma. I. Inhibition of the Tumor by the Virus—Quantitative Determination. Alan Bernstein and M. Michael Sigel ............. 377

The Interaction on Meningopneumonitis Virus and Krebs 2 Carcinoma. II. Inhibition of Virus by Tumor. M. Michael Sigel, Alan Bernstein and Lila P. Pope ................................ 386

An Evaluation of the Roller-Tube Tissue Culture for the Isolation of Poliomyelitis Viruses from Feces. Sidney Kibrick, John F. Enders and Frederick C. Robbins 391

Studies of Antibodies to Strains of Influenza Virus in Persons of Different Ages in Sera Collected in a Postepidemic Period. A. V. Hennessy, F. M. Davenport and T. Francis, Jr. 401

Virus Proliferation in the Mouse. I. Growth Curves of Influenza (Mouse-Adapted PR 8) and Theiler’s Mouse Encephalomyelitis (GD VII) Viruses. Seymour S. Kalter, Gerald Berg, James E. Prier, Kurt-Alphonse Jochheim and John M. McKenna 410

NUMBER 6, DECEMBER 1955

The Metabolic Fate of Isotopically Labelled Proteins, Azoproteins and Azohaptens. Felix Haurowitz, Herbert H. Reller and Harry Walter 417

The Reactions Between Normal Human Red Cells and Antiglobulin (Coombs) Serum. F. Stratton and Alan Richardson Jones 423

Suppression of Influenza Viral Pneumonia in Mice by the Non-Specific Action of Xerosin. Harold S. Ginsberg 430

The Recovery of Tetanus Antitoxin from Toxin-Antitoxin Precipitates. A. E. Bolyn and M. Moskowitz 441

Separation of Tetanus Antitoxin Dissociated from a Toxin-Antitoxin Precipitate. A. E. Bolyn and M. Moskowitz 450

Experimental Allergic Encephalomyelitis after the Excision of the Injection Site of Antigen-Adjuvant Emulsion. Jules Freund and Murray M. Lipton 454

Interpretation of the Ouchterlony Precipitin Test. M. W. Wilson and B. H. Pringle 460

The Hemagglutinins of Semliki Forest and Bunyamwera Viruses, Their Demonstration and Use. D. H. Clarke and M. Theiler 470


Cytopathogenic Effects of Antiserum to Human Malignant Epithelial Cells (Strain HeLa) on HeLa Cell Culture. Isabel Morgan Mountain 478