CONTENTS

NUMBER 1, JANUARY 1967


Distribution of the Human Rho(D) Antigen in the Red Cells of Non-Human Primates S. P. Masouredis, Mary Edith Dupuy and Margaret Elliot .............................. 8

Studies on Human Peripheral Blood Lymphocytes in Vitro: III. Fine Structural Features of Lymphocyte Transformation by Pokeweed Mitogen. Steven D. Douglas, Peter F. Hoffman, Jan Borjeson and Lawrence N. Chessin .......................... 17

Immunologic Relationship between Blood Group Substances and a Fucose-Containing Glycolipid of Human Adenocarcinoma. Sen-Iriho Hakomori, Jerzy Koscielak, Kurt J. Bloch and Roger W. Jeanloz ................................................. 31

Demonstration of Tissue-Specific Soluble Antigens in Human Skin by Immunodiffusion. Toshikyuku Aoki and Tokuji Fujinami ........................................................................ 39

The Pathogenesis of Theiler’s GD VII Encephalomyelitis Virus Infection in Mice as Studied by Immunofluorescent Technique and Infectivity Titrations. Chien Liu, Julius Collins and Eleanor Sharp ....................................................................................... 46

The in Vitro Absorption of Anti-Brain Radioantibodies with Brain Sediments: Some Unusual Properties and a Quantitative Method. Eugene D. Day and Sylvester Lassiter ........................................... 56


Reversal of Post-Thymectomy Wasting Disease in Mice by Multiple Thymus Grafts. Osias Stutman, Edmond J. Yunis, Carlos Martinez and Robert A. Good ........................................ 79

Quantitative Hemadsorption, a New Assay Technique. II. Assay of Neutralizing Antibodies to Hemadsorbing Viruses. N. B. Finter ......................................................................................... 88

Bacteriophage Neutralizing Activity of Fragments Derived from Rabbit Immunoglobulin by Papain Digestion. G. W. Stemke and E. S. Lennox ........................................ 94

Agglutination of Particulate Antigens in Agar Gel. Felix Milgrom and Ulan Loza ................................................................. 102

Runt Diseases Induced by Non-Living Bacterial Antigens. Richard D. Ekstedt and Lawrence L. Hayes .............................................................................................................. 110

Complement Associated Peptidase Activity of Guinea Pig Serum. I. Role of Complement Components. Neil R. Cooper and Elmer L. Becker ........................................ 119

Complement Associated Peptidase Activity of Guinea Pig Serum. II. Role of a Low Molecular Weight Enhancing Factor. Neil R. Cooper .............................................. 132

Rabbit γA- and γM-Immunoglobulins with Allotypic Specificities Controlled by the a Locus. Edward A. Lichter ........................................................................................................... 139

Competition between, and Effectiveness of, IgG and IgM Antibodies in Indirect Fluorescent Antibody and Other Tests. Irnun R. Cohen, Leslie C. Norins and Alfredo J. Julian ...................................................... 143

Some Observations on the ABO Antigen Sites of the Erythrocyte Membranes of Adults and Newborn Infants. Sol Haberman, Pat Blanton and James Martin .......................................... 150

Streptococcal Related Glomerulonephritis. II. Glomerulonephritis in Rhesus Monkeys Immunologically Induced Both Actively and Passively with a Soluble Fraction from Human Glomeruli. A. S. Markowitz, Raymond Claesen, Bernard D. Nidus and Herman Ainis .................................................... 161

Characterization of Human Serum and Nasal Hemagglutinating Antibody to Francisella tularensis. J. A. Bellanti, E. L. Buescher, W. E. Brandt, H. G. Dangerfield and D. Crosier .................................................................................. 171

Studies on Immunologic Unresponsiveness during Secondary Disease. II. The Effect of Added Donor and Host Immunologically Competent Cells. John S. Thompson, Eric L. Simmons, Richard H. Moy and Margaret K. Crawford ........................................ 179

Gross and Microscopic Skin Reactions to Killed Typhus Rickettsiae in Human Beings. Charles L. Wisseman, Jr., Yehia el Batawi, William H. Wood, Jr. and Antonio R. Noriega............. 194

Notices....................................................................................... 210

NUMBER 2, FEBRUARY 1967

Immunoochemical Studies on Delayed and Arthus-Type Hypersensitivity Reactions. I. The Relationship between Antigenic Determinant Size and Antibody Combining Site Size. Stuart F. Schlossman and Herbert Levine. .............................. 211

Candida Precipitins. William H. Chew and Thomas L. Theus. 220

Studies on the Radiosensitive Phase of the Primary Antibody Response in Rabbits. I. The Role of the Macrophage. James F. Privenow and Myron S. Silverman. 225

Suppression by Antihistamine of Passive Cutaneous Anaphylaxis Produced with Anaphylactic Antibody in the Guinea Pig. Henry Z. Movat, Nancy L. Di Lorenzo, Norton S. Taichman, Sam Berger and Howard Stein. 230

Synthetic Polypeptide Metabolism. III. Degradation and Organ Localization of Isomeric Synthetic Polypeptide Antigens. Charles B. Carpenter, Thomas J. Gill, III and L. T. Mann, Jr........... 236


An Antigen Common to Mouse Cells and Salmonella typhimurium. William Boyle. 256


Studies on the Specificity of the Cellular Infiltrate of Delayed Hypersensitivity Reactions. Stanley Cohen, Robert F. McCluskey and Baruj Benacerraf ............................. 269

Application of the Paired Label Radioantibody Technique to Tissue Sections and Cell Smears. Nobuyuki Tanigaki, Yasuo Yagi and David Pressman. 274

Antibodies against Human Leukemia Cell Lines. Nobuyuki Tanigaki, Yasuo Yagi, George E. Moore and David Pressman. 281

Interaction of Penicillin and Erythrocytes. Alan S. Josephson and Allan P. Kaplan. 293

Papain Fragmentation of the Subunits of Human Macroglobulin. Kaoru Onoue, Tadamitsu Kishimoto and Yuichi Yamamura.................. 303

Differentiation of Arboviruses by Immunoelectrophoresis. Raul R. Caudrado and Jordi Casals .............................. 314

Estradiol-Induced Wasting Syndrome in Neonatal Mice. Richard W. Reilly, John S. Thompson, Robert K. Bielski and Charles D. Severson. 321

The Effect of Estrogenic Hormones on Immune Responses in Normal and Irradiated Mice. John S. Thompson, Margaret K. Crawford, Richard W. Reilly and Charles D. Severson. 331


Detection of Immune Response against Synthetic Polymers of Amino Acids Employing the Plaque-Forming Cell System. I. Reaction with Sheep Erythrocytes Coated with Polymer. Patricia Walsh, Paul Maurer and Marianne Egan. 344

Effect of Anticoagulants on Delayed Hypersensitivity Reactions. Stanley Cohen, Baruj Benacerraf, Robert F. McCluskey and Zoltan Ovary. 351

Thermostable Brain-Specific Autoantigen. Felix Milgrom, Z. Maide Tugnac, Walter Campbell and Ernest Witebsky....................... 359


Antibody Response of Rhesus Monkeys to a Density Gradient Purified Murine Leukemia Virus (Rauscher). Louis R. Sibel, Mary Alexander Fink, Carol L. McCune and Carolyn A. Cowles. 368

Physicochemical and Immunologic Properties of Eluates Containing I-125 Anti-Rh0(D). Susie W. Fong and S. P. Masouredias. 374

Similarities between Rabbit Antibodies Produced following Ingestion of Bovine Serum Albumin and following Parenteral Immunization. Richard M. Rothberg, Sumner C. Kraft and Richard S. Farr. 386

Studies Concerning the Importance of Mononuclear Cells in the Development of Experimental Hepatitis. F. Scheiffarth, H. Warnatz and K. Mayer.................. 396

Suppression of the Primary and Secondary Immune Response of the Mouse by Phytohemagglutinin. Federico Spreafico and Edwin M. Leruer, II. 


The Relationship between Maternal Rh\textsubscript{0} Antibody Combining Properties and Severity of Erythroblastosis. Harold S. Goodman, L. Masaitis and G. Mizera. 

Immunologic Unresponsiveness to Allergic Thyroiditis in Guinea Pigs. S. B. Salvin and H.-L. Liauw.

Termination of Acquired Tolerance by Administration of Small Lymphocytes. A. Michael Denman, Thomas L. Vischer and Peter Stastny. 

Role of the Thymus in Tolerance. V. Suppressive Effect of Treatment with Nonaggregated and Aggregated Bovine \(\gamma\)-Globulin on Specific Immune Responses in Normal Adult Rats. Igal Gery and Byron H. Waksman. 


Allergen-Binding Activity of \(\text{mE}_{1},\ \gamma\text{G}\) and \(\gamma\text{A}\) Antibodies in Sera from Atopic Patients: \textit{In Vitro} Measurements of Reaginic Antibody. Kimishige Ishizaka, Teruko Ishizaka and Margaret M. Hornbrook. 

An Effect upon the Regulation of Gene Expression: Allotype Suppression at the \(\alpha\) Locus in Heterozygous Offspring of Immunized Rabbits. Rose Mage, Gwendolyn O. Young and Sheldon Dray. 

Antibody Responses in Experimental Infections with \textit{Listeria monocytogenes}. A. S. Armstrong and C. P. Sword. 


The Immunologic Properties and Identity of Mucopolysaccharides Associated with C-Reactive Protein in Acute Phase Human Serum. Y. Hokama, Monroe K. Coleman and Richard F. Riley. 

Synthesis of Human Immunoglobulins in Germinal Centers of Lymphoid Organs. Pierre Burtin and Denise Buffe. 

Immunochemical Study of Influenza Virus and Associated Host Tissue Components. Calderon Howe, Lucille T. Lee, Arild Harboe and Gunnar Haukenes. 

Heterogeneity and Sequence of Appearance of Rabbit Antibodies to Hog Intrinsic Factor. I. Michael Samloff and Eugene V. Barnett. 

Antigenic Analysis of an N-Terminal Fragment of a Type K Bence Jones Protein. Margaret Tan and Wallace Epstein. 

Anti-\textit{Pasteurella pestis} Factor from Mice and Guinea Pigs. II. Some Chemical and Physical Characteristics. Daniel M. Eisler, Beverly Hill, Eleanor K. von Metz, Wei-Jen Chang and Robert J. Heckly. 

Enhanced Immunologic Sensitization of Mice by the Simultaneous Injection of Antigen and Specific Antiserum. III. The Role of Antigen in Controlling the Immune Response Elicited with Immune Complexes. Geronimo Terres and Sherie Leaver Morrison. 

Nonspecific Agglutination of Tanned Sheep Erythrocytes by Heat-Inactivated Mouse Serum Collected from Diluted Blood. J. Munoz.
Contents

Transplantation Immunity and Delayed Cutaneous Hypersensitivity Reactions in Dogs. J. Wayne Streilein and Clyde F. Barker .............................................................. 601
Nephrotoxic Serum Nephritis in Complement Intact and Deficient Mice. Emil R. Unanue, Michael R. Mardiney, Jr. and Frank J. Dixon ............................................. 609
Interaction of Rheumatoid Factors with Urea-Denatured Human γ-Globulin and Its Subunits. Shun-Ichi Hirose and Abraham G. Osler ................................................... 628
Immediate Hypersensitivity Reactions Induced in Mice by Active and Passive Means. J. Munoz .......................................................... 638
In Viva Behavior of Homologous and Heterologous Thyroglobulin and Induction of Immunologic Unresponsiveness to Heterologous Thyroglobulin. Robert M. Nakamura and William O. Weigle .................................................................................... 653
Complement-Fixing Antibodies in Sera of Sheep Affected with Visna and Mädi. Margaret Gudnadóttir and Karólina Kristinsdóttir ....................................................... 663
Erratum ..................................................................................... 667
Specificity of the Primary and Secondary Antibody Responses to Myxoviruses. Reid Russell Heffner, Jr. and Ann Schluederberg ......................................................... 668
Heterotypic Serologic Responses after Yellow Fever Vaccination; Detection of Persons with Past St. Louis Encephalitis or Dengue. William L. Pond, N. Joel Ehrenkranz, Joseph X. Danauskas and Mary Jo Carter ........................................................... 673
The Growth of Rubella Virus in Small Laboratory Animals. J. S. Oxford ................................................................................................................................. 697
Charcoal as a Carrier in a Rapid Slide Agglutination Test for the Detection of Antibodies to Adenoviruses. Morton Klein, Adamadia DeForest and Jay Satz ................................. 707
Electrophoretic Analysis of Polypeptide Chains Isolated from Antibodies in the Serum of Immunized Rabbits. Edward J. Miller, C. Kirk Osterland, Joseph M. Davie and Richard M. Krause ................................................................................................................................. 710
Notice ........................................................................................ 715
A Mechanism of Bacterial Interference in Vitro. John C. Ribble ................................................................................................................................. 716
Neutralizing and Hemagglutination-Inhibiting Activity of Nasal Secretions following Experimental Human Infection with A2 Influenza Virus. Robert H. Alford, Roger D. Rossen, William T. Butler and Julius A. Kasel ........................................................................ 724
Formation and Isolation of Rabbit Antibodies to a Synthetic Antigen of Low Molecular Weight. Felix Borek, Yehudit Stupp and Michael Sela ................................................................................................................................. 739
Immunoglobulins of the Rhesus Monkey (Macaca mulatta). I. Antiserum to Bovine Serum Albumin and the Dinitrophenyl Antigenic Determinant. James D. Lakin, Roy Patterson and Jacob J. Pruzansky ................................................................................................................................. 745
Quantitative Hemagglutination Studies on Several Anti-A Lectins. Aparna Chatteraj ................................................................. 757
The Association of Increased Spontaneous Lymphocyte Transformation in Vitro with Clinical Manifestations of Drug Hypersensitivity. Fred A. Gill ................................................................. 778
Studies on Rabbit Lymphocytes in Vitro. VII. The Induction of Blast Transformation with the F(ab')2 and Fab Fragments of Sheep Antibody to Rabbit IgG. Stewart Sell............ 786
The Use of the Preparative Ultracentrifuge to Detect Primary Interactions between 111T-Labeled Antigen and Antibody. Richard M. Rothberg and Richard S. Farr............. 792
Antigenic Analysis of Human Cells and Tissues: Differential Susceptibility of Antigens to Physical or Chemical Treatment. Shihau-Yen Chiu, Patricia J. Baker and K. Gerhard Brand........ 806
Duck Immunoglobulins. I. Structural Studies on a 5.7S and 7.8S γ-Globulin. Howard M. Grey...... 811
Duck Immunoglobulins. II. Biologic and Immunochemical Studies. Howard M. Grey................ 820
The X-Y-Z Scheme of Immunoocyte Maturation. II. The Effect of Antigen on Spontaneous Escape from Immune Paralysis. Stanley J. Dowden and Eli E. Sercarz................ 827
The X-Y-Z Scheme of Immunoocyte Maturation. III. Early IgM Memory and the Nature of the Memory Cell. Eli E. Sercarz and Vera S. Byers........................................ 836
Uptake by Mononuclear Phagocytes of Protein-Coated Bentonite Particles Stabilized with a Carbodiimide. Robert R. Carpenter and Petronilo B. Barsales.................. 844
An Alteration of Secreted Immunoglobulin in Serum. Eckehart Kölsh................................ 854
Changes in Subcellular and Circulating Antibody Levels during the Hemolysin Response in Rabbits. Susan E. Chapman and Dieter H. Sussdorf......................... 860
Subgroups of L Type Bence-Jones Proteins. A. Ruffilli and C. Baglioni.......................... 874

Dissociation of Immune Responses by the Induction of Partial Unresponsiveness. Relationship of PCA and Complement-Fixing Antibody Formation to the Suppression of Delayed Hypersensitivity. Yves Borel, Marthe Fauconnet and Peter Miescher........ 881
Histocompatibility and Tumor Virus Antigens Identified on Cells Grown in Tissue Culture by Means of the Mixed Hemadsorption Reaction. Rolf F. Barth, J. Åke Esmark and Astrid Fagraeus.................. 888
Hypersensitivity to Ascaris Antigens. I. Skin-Sensitizing Activity of Serum Fractions from Guinea Pigs Sensitized to Crude Extracts. Gill Strejlan and Dan H. Campbell.................. 893
Protein Conjugates of Polysaccharide from Cryptococcus neoformans. Mayer B. Goren and Gardner M. Middlebrook.................................................... 901
Experimental Murine Cryptococcosis: Effect of Hyperimmunization to Capsular Polysaccharide. Mayer B. Goren......................................................... 914
Canine Immunoglobulins. II. Antibody Activities in Six Immunoglobulin Classes. John S. Johnson, John H. Vaughan and Scott N. Swisher......................... 935
A Serologic Study of Herpesvirus Hominis Strains by Microneutralization Tests. Frank P. Pauls and Walter R. Dowdle.............................. 941
Further Studies on Effect of Endotoxin on Antibody Response of Rabbit to Common Antigen of Enterobacteriaceae. H. Y. Whang and E. Neter.................. 948
Precipitation and Neutralization of Bacteriophage f2 by Rabbit Antibodies. David T. Rowlands, Jr................. 958
Nephrotoxic Serum Nephritis in C6-Deficient Rabbits. I. Study of the Second Phase of the Disease. Klaus Rother, Ursula Rother, Pierre Vassalli and Robert T. McCluskey........ 965
Antibody Content of Single Antibody-Forming Cells. Kengo Horibata and Jonathan W. Uhr........ 972
The Presence of Antibody to Chikungunya and Other Serologically Related Viruses in the Sera of Sub-Human Primate Imports to the United States. V. R. Harrison, J. D. Marshall and N. B. Guilloud................................. 979
Immune Hemolysis: An Inter-Species Study. William D. Linescott............................ 991
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preparative Purification of Lung-Localizing Rabbit Anti-Rat Lung Antibodies in Vitro.</td>
<td>Osamu Tsuzuku, Yasuo Yagi and David Pressman</td>
<td>1004</td>
</tr>
<tr>
<td>Suppression of the Tuberculin Reaction by High Concentrations of Tuberculin and the Relationship of this Phenomenon to the Potency Assay of Tuberculin.</td>
<td>Harold Baer and Robert W. Kolb</td>
<td>1015</td>
</tr>
<tr>
<td>The Immune Response to Human yG-Immunoglobulin in Rabbits Unresponsive to Fe Fragment and H Chain Protein.</td>
<td>Hans L. Spiegelberg and William O. Weigle</td>
<td>1020</td>
</tr>
<tr>
<td>Changes in the Concentrations of the γc-Globulin and the γG-Globulin of Bovine Cerebrospinal Fluid with Maturation.</td>
<td>Catherine F. C. MacPherson</td>
<td>1039</td>
</tr>
<tr>
<td>Immunity to the 6C3HED Ascites Tumor following Treatment of Tumor-Bearing Mice with Escherichia coli L-Asparaginase.</td>
<td>Morton D. Prager, Joseph Roberts and Nicholas Bachynsky</td>
<td>1045</td>
</tr>
<tr>
<td>Isolation of Rat Lung Antigens Capable of Neutralizing Localizing Activity of Anti-Lung Antibodies.</td>
<td>Osamu Tsuzuku, Yasuo Yagi and David Pressman</td>
<td>1053</td>
</tr>
<tr>
<td>Antibody Responses of Rhesus (Macaca mulatta) Monkeys Experimentally Infected with Coxsackieviruses of Group B and Group A, Type 9. II. Heterotypic Antibody Responses to Echo-viruses, Polioviruses and Reovirus Type 1.</td>
<td>Nathalie J. Schmidt, Juanita Dennis and Edwin H. Lennette</td>
<td>1060</td>
</tr>
<tr>
<td>Immunochemical Properties of Fe Fragment of Rabbit γG-Globulin.</td>
<td>Kenneth Amirian, Lillian Duchna and James Purcell</td>
<td>1067</td>
</tr>
<tr>
<td>Antibody and Gland Studies in Cortisone and ACTH-Injected Birds.</td>
<td>Bruce Glick</td>
<td>1076</td>
</tr>
<tr>
<td>Response and Specificity of Anti-Shigella Rabbit Antibody.</td>
<td>T. Tsuchiya, Y. Fukazawa, T. Shinoda and T. Okoshi</td>
<td>1085</td>
</tr>
</tbody>
</table>

**NUMBER 6, JUNE 1967**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Behavior of Autologous Thyroglobulin in the Circulation of Rabbits Immunized with Either Heterologous or Altered Homologous Thyroglobulin.</td>
<td>William O. Weigle and Gloria J. High.</td>
<td>1105</td>
</tr>
<tr>
<td>Repeated Infections with Respiratory Syncytial Virus.</td>
<td>Marc Beem</td>
<td>1115</td>
</tr>
<tr>
<td>Antibodies against Staphylococcal Teichoic Acids and Type-Specific Antigens in Man.</td>
<td>Harry Daugherty, R. Russell Martin and Arthur White</td>
<td>1123</td>
</tr>
<tr>
<td>Neutralization of Different Murine Interferons by Antibody.</td>
<td>M. Boxaca and K. Faucker</td>
<td>1130</td>
</tr>
<tr>
<td>The Effect of Kaolin on Immunoglobulins: An Improved Technique to Remove the Nonspecific Serum Inhibitor of Reovirus Hemagglutination.</td>
<td>John J. Mann, Roger D. Rossen, James R. Lehrich and Julius A. Kasel</td>
<td>1136</td>
</tr>
<tr>
<td>Skin Sensitizing Antibodies: A Comparative Study of Canine and Human PK and PCA Antibodies and a Canine Myeloma Protein.</td>
<td>John H. Rockey and Robert M. Schwartzman</td>
<td>1143</td>
</tr>
<tr>
<td>Systemic Tuberculin Sensitivity in Mice. I. Factors Contributing to Active Tuberculin Shock.</td>
<td>Shou-Hwa Han and Russell S. Weiser</td>
<td>1152</td>
</tr>
<tr>
<td>Systemic Tuberculin Sensitivity in Mice. II. Hypothermia as an Indicator of Tuberculin Shock in Actively and Passively Sensitized Mice.</td>
<td>Shou-Hwa Han and Russell S. Weiser</td>
<td>1158</td>
</tr>
<tr>
<td>Systemic Tuberculin Sensitivity in Mice. III. The Effects of Adrenalectomy and Treatment with Antianaphylactic Agents.</td>
<td>Shou-Hwa Han and Russell S. Weiser</td>
<td>1163</td>
</tr>
<tr>
<td>Characteristics of Direct and Indirect Complement-Fixing Antibodies Obtained from Turkeys Infected with Ornithosis Agent.</td>
<td>Gordon R. Dreesman, Albert A. Benedict and R. W. Moore.</td>
<td>1167</td>
</tr>
<tr>
<td>Rabbit Antibodies Induced by Calf Thymus Histone-Serum Albumin Complexes.</td>
<td>Ann. L. Sandberg, Maurice Liss and B. David Stollar</td>
<td>1182</td>
</tr>
</tbody>
</table>

Downloaded from http://www.jimmunol.org/ by guest on April 13, 2017
Structural Characteristics of Hemolytic Antibodies as Determined by the Effects of Ionizing Radiation. Wendell F. Rosse, Herbert J. Rapp and Tibor Borsos.......................... 1190

Factors Affecting the Degree of Nonspecific Staining Given by Fluorescein Isothiocyanate Labeled Globulins. G. Ann Herbert, Bertie Pittman and William B. Cherry............................................ 1204


Studies of Rickettsia mooseri Cell Walls. II. Immunologic Properties. William H. Wood, Jr. and Charles L. Wiseman, Jr ................................................................... 1224


Experimental Streptococcal Glomerulonephritis in Rats. Lois H. Lindberg, Kenneth L. Vosti and Sidney Raffel.......................................................... 1231


Antigenic and Immunogenic Studies on Purified Tetanus Toxoid. P. A. Nielsen, F. B. Ablondi, M. V. Querry, Cecilia Gussoni and M. S. Cooper........................................... 1248

Characterization of Hamster Antibody Reacting with Papovavirus SV40 Tumor Antigen. Satvir S. Tevethia............................................................................... 1257

Duration of Immunity to Tuberculosis in Mice Vaccinated Intravenously with Oil-Treated Cell Walls of Mycobacterium bovis Strain BCG. R. L. Anacker, W. R. Barclay, W. Brehmer, C. L. Larson and E. Ribi........................................................................ 1265

The Effect of Antigen on the Rate of Guanosine-S-C14 Incorporation by Lymphocytes. Lewis W. Mayron and Peter Baram.......................................................... 1274

A Tissue Hemadsorption Inhibition Neutralization Test for Rubella Antibody. Ray Murphy, George J. Scheff and Richard A. Morrissey........................................ 1286

Antigenic Analysis of a Metazoan Parasite, Toxocara canis. II. Purification and Analysis of Two Antigenic Components. Edward L. Jeska.......................................................... 1290

Infectivity Assay of Reoviruses: Comparison of Immunofluorescent Cell Count and Plaque Methods. Mary E. McClain, Rex S. Spendlove and Edwin H. Lennette........................................ 1301

Adoptive Immunity to Intracellular Infection. J. K. Frenkel.................................................. 1309

The Incidence of HI Antibody to Influenza Virus A2/Singapore/1/57 in Individuals of Blood Groups A and O. C. W. Potter and G. C. Schild........................................ 1320

Antibody Production by Mice Repopulated with Limited Numbers of Clones of Lymphoid Cell Precursors. J. Trentin, N. Wolf, V. Cheng, W. Fahlberg, D. Weiss and R. Bonhag........ 1326