CONTENTS

The Effect of Total Body X-Irradiation of the Rabbit on the Rejection of Homologous Skin Grafts and on the Immune Response. MARCUS S. BROOKE ............................................. 419

Analysis of Immune Precipitates by Serum-Agar Diffusion. NAZARETH GENGÖZIAN, TAKASHI MAKINODAN AND RACHEL R. CARTER ............................................. 426

Localization in Human Kidney of Antibodies Formed in Sheeph against Human Placentas. RAYMOND WILLIAM STERLAY .................................................. 434

Antibody Production by Hypogammaglobulinemic Patients. SAMUEL BARON, JOHN P. NASOU, ROBERT M. FRIEDMAN, GEORGE M. OWEN, HILTON B. LEVY AND EUGENE V. BARNETT ............................................. 443

Immunologic Studies of Heart Tissue. V. Antigens Related to Heart Tissue Revealed by Cross-Reaction of Rabbit Antisera to Heterologous Heart. MELVIN H. KAPLAN AND MARY MEYERERIAN ............................................. 450

Studies on Organ Specificity. XIV. Immunofluorescent Studies of Thyroid Reactive Autoantibodies in Human Sera. ERNST H. BEUTNER AND ERNEST WITEBSKY .................. 462

Studies on the Coliphage Neutralizing Activity of Normal Human Serum. KEITH M. COWAN ................................................................. 476

Immunological and Chemical Studies on an Oral Veillonella Endotoxin. STEPHAN E. MERGENHAGEN, ISADORE ZIPKIN AND EILEEN VARAH ............................................. 482

Antibody Response of Adult Chickens to Infectious and Noninfectious Foot-and-Mouth Disease Virus. O. N. FUSON ................................................................. 488

A Bactericidin for Bacillus Subtilis in Pregnancy. JOHN P. GUSDON ............................................. 494

Weak Histocompatibility Genes: The Effect of Dose and Pretreatment of Immunizing Cells. CHARLES F. MCKIANN .................................................. 500

Cell Culture Reactivity to Diphtheria, Staphylococcus, Tetanus and Escherichia coli Toxins. JANIS GABLIKS AND MORRIS SOLOTOROVSKY ............................................. 505

An Inhibitor of Adenoviruses in Ox Serum. ELI GOLD AND HAROLD S. GINSBERG .................. 513

Phagocytosis of Particulate Complexes of γ-Globulin and Rheumatoid Factor. ROBERT L. PARKER AND FRANK R. SCHMID ................................................................. 519

The Action of Various Snake Venoms and Their Chromatographic Fractions on Animal Cells in Culture. CLARA GAERTNER, NATAN GOLDBLUM, SIMON GITTER AND ANDRE DE VRIES ................................................................. 526

Quantitative Analyses by Diffusion Column Reactions. I. Variations in Diffusion Measurements. WILLIAM G. GLENN ................................................................. 535

Quantitative Analyses by Diffusion Column Reactions. II. Reproducibility of Analyses Pertinent to the Determination of Reactant Concentrations. WILLIAM G. GLENN ................................................................. 540

Quantitative Analyses by Diffusion Column Reactions. III. Antigen and Antiserum Concentration Differences from Diffusion Measurements of Simple Homologous Reactions. WILLIAM G. GLENN ................................................................. 545

PUBLISHED MONTHLY BY
THE WILLIAMS & WILKINS COMPANY
BALTIMORE 2, U. S. A.

COPYRIGHT ©, 1962, BY THE WILLIAMS & WILKINS COMPANY
Made in United States of America