CONTENTS

Refractory Anemia with Hyperplastic Bone Marrow... Richard W. Vilter, Thomas Jarrold, John J. Will, John F. Mueller, Ben I. Friedman and Virginia R. Hawkins 1

Iron Enzymes in Iron Deficiency. V. Succinic Dehydrogenase in Rat Liver, Kidney and Heart............ Ernest Beutler and Richard K. Blaisdell 30

A Quantitative Method for Measuring the Gastrointestinal Absorption of Iron.... John D. Bonnet, Albert B. Hagedorn and Charles A. Owen, Jr. 36

Platelet Life Span in Normal, Splenectomized and Hypersplenic Rats Peter F. Hjort and Helen Paputchis 45

Proteases of Human Leukocytes......... L. A. Mounter and Wasi Atyieh 52

Certain Aspects of Glycine and Histidine Metabolism in Patients with Sprue......... C. E. Butterworth, Jr., Jose Soler, Rafael Santini, Jr., and Enrique Perez-Santiago 60

Kinetics of Intracellular Iron in Rabbit Reticulocytes David W. Allen and James H. Jandl 71

The Appearance of Labeled Cells in the Thoracic Duct Lymph of the Guinea Pig after the Administration of Tritiated Thymidine N. B. Everett, W. O. Reinhardt and J. M. Yoffey 82

Studies in Leukemia. XII. Interference and Reactivation Experiments with Cell-Free Tissue Extracts of Leukemic Swiss Mice Joseph C. Sinkovics, Wilma A. Spurrer and Steven O. Schwartz 95

Distinctive Myeloma Globulins Associated with a New Plasma Cell Neoplasm of Strain C3H Mice....... John L. Fahey, Michael Potter, Frederick J. Gutter and Thelma B. Dunn 103

Relation of Bone Marrow Findings to Serum Protein Changes in Lymphosarcoma, Chronic Lymphocytic Leukemia and Hodgkin’s Disease Alan Onat and Talbert Cooper 114

(Continued on page xxi)
CONTRIBUTORS TO THIS ISSUE

(Continued from page xvi)

ROBERT SCHWARTZ, M.D., Research Associate in Hematology, New England Center Hospital, Boston, Mass.; Senior Instructor in Medicine, Tufts University School of Medicine.

STEVEN O. SCHWARTZ, M.D., Director, Department of Hematology, The Hektoen Institute for Medical Research, Cook County Hospital, Chicago, Ill.

JOSEPH D. SHERMAN, M.D., Ph.D., Research Associate, Department of Pathology, Massachusetts Memorial Hospitals, Boston, Mass.; Senior Assistant Resident, Mallory Institute of Pathology, Boston City Hospital.

JOSEPH G. SINKOVICS, M.D., Research Associate, Department of Hematology, The Hektoen Institute for Medical Research, Cook County Hospital, Chicago, Ill.

JOSE SOLER, M.D., Chief, Medical Service, Fajardo District Hospital, Fajardo, Puerto Rico.

WILMA A. SPURRELL, M.T., A.S.C.P., Department of Hematology, The Hektoen Institute for Medical Research, Cook County Hospital, Chicago, Ill.

RICHARD V. VILTER, M.D., Professor of Medicine and Director, Department of Internal Medicine, College of Medicine, University of Cincinnati, and the Cincinnati General Hospital.

JOHN J. WILL, M.D., Assistant Professor of Medicine, College of Medicine, University of Cincinnati, Cincinnati, Ohio; Co-Director, Laboratory of Hematology, Nutrition and Cellular Metabolism, Cincinnati General Hospital.

J. M. YOFFY, D.Sc., M.D., F.R.C.S., Professor and Chairman, Department of Anatomy, The University, Bristol, England.

CONTENTS

(Continued from front cover)

IN VITRO STUDIES ON THE ANEMIA OF TUMOR-BEARING HAMSTERS
Joseph D. Sherman, Carmen Rickard, Robert S. Christian and Gilbert H. Friedell 130

BRIEF NOTE: A TECHNIC OF BONE MARROW TRANSPLANTATION IN MAN
Robert Schwartz, Dwijendra K. Misra and William Dameshek 137

CONGENITAL FACTOR VII DEFICIENCY WITH NORMAL STUART ACTIVITY: CLINICAL, GENETIC AND EXPERIMENTAL OBSERVATIONS
Henry G. Kupfer, Bertram L. Hanna and Dixie R. Kinne 146

DYSPROTEINEMIA INDUCED IN VITRO BY PLASMIN DIGESTION OF FIBRINOGEN
E. Kowalski, A. Budzynski, M. Kopec and K. Murawski 164

A STUDY OF THROMBOPOIESIS IN INDUCED ACUTE THROMBOCYTOPENIA
Martin Matter, John R. Hartmann, Jean Kautz, Quin B. DeMarsh and Clement A. Finch 174

THE DUFFY BLOOD GROUP SYSTEM IN TRANSFUSION REACTIONS: A REVIEW OF THE LITERATURE AND REPORT OF FOUR CASES
Allan Compton and Jane M. Haber 186

ABSTRACTS ................................................................. 192