CONTENTS

No. 1
Studies on Analogues of L-Cysteine and L-Cystine. I. Some Structural Requirements for Inhibiting the Incorporation of Radioactive L-Cystine by Leukemic Leukocytes. 
Austin S. Weisberger, Leif G. Suhrl and Joseph Seifter
1
Studies on Analogues of L-Cysteine and L-Cystine. II. The Effect of Selenium Cystine on Murphy Lymphosarcoma Tumor Cells in the Rat
Austin S. Weisberger and Leif G. Suhrland
11
Studies on Analogues of L-Cysteine and L-Cystine. III. The Effect of Selenium Cystine on Leukemia. 
Austin S. Weisberger and Leif G. Suhrland
19
The Plasma Clearance and Urinary Excretion of Parenterally Administered $^{65}$CoB$_{12}$. 
31
Quantitative Studies of the Cellular Responses to Antigen Injections in Normal Mice. 
Robert S. Speirs and Mary E. Dreisbach
44
Quantitative Studies of the Cellular Responses to Antigen Injections in Adrenalectomized Mice. 
R. Speirs, U. Wenck and M. E. Dreisbach
56
Thrombelastographic Observations of the Characteristics of Hemophilic, Thrombocytopenic and Heparinized Blood. 
Pietro de Nicola and G. M. Mazzetti
71
Panels in Therapy. IX. The Treatment of Hemophilia
Paul M. Aggeler, Benjamin Alexander, Martin C. Rosenthal and L. M. Tocantins
81
News and Views
91
Abstracts
93

No. 2
Erythrocyte Preservation: A Topic in Molecular Biochemistry
Beverly W. Gabrio, Clement A. Finch and Frank M. Hueneckens
103
Tihomil Beritic and Milutin Vandecker
114
Experimental Megaloblastic Anemia in Young Guinea Pigs
Role K. Slungaard and George M. Higgins
123
Studies on Copper Metabolism. XVII. Further Observations on the Anemia of Copper Deficiency in Swine. 
G. E. Cartwright, C. J. Gubler, J. A. Bush and M. M. Wintrobe
143
Studies on Leukemia. I. Uric Acid Excretion. 
A. A. Sandberg, G. E. Cartwright and M. M. Wintrobe
154
The Response of Transplanted Chloroleukemia in the Rat to Treatment with Anti-Leukemic Drugs

Charles Harris and Margot Gruenstein

A Sign of Severe Radiation Injury Observed in the Erythrocyte Sedimentation of Dogs

George A. Sacher

News and Views

Abstracts

No. 3

Thalassemia in Sikhs


Mortality in Relation to Histologic Type in Hodgkin's Disease

Hans F. Smetana and Bernard M. Cohen

Ameboid Motility of Human Leukocytes

Joseph Lapin and Andrew Horonick

The Effect of Chloramphenicol and Other Antibiotics on Leukocyte Respiration

James H. Follette, Peter M. Shugarman, John Reynolds, William N. Valentine and John S. Lawrence

The Action of Leukocytosis-Promoting Factor on the Blood and Bone Marrow of the Guinea Pig

P. F. Harris, V. Menkin and J. M. Yoffey

Chronic Refractory Anemia with Sideroblastic Bone Marrow: A Study of Four Cases

Sven Erik Bjorkman

Sickle Cell–Spherocytosis Associated with Hemolytic Anemia

Mercedes V. de Torregrosa, Antonio Ortiz and Dharma Vargas

Homozygous Hemoglobin C Disease in Siblings: Further Comment on Intraerythrocytic Crystals

Munsey S. Wheby, Oscar A. Thorup and Byrd S. Leavell

Disseminated Neuroblastoma in an Adult Presenting the Picture of Thrombocytopenic Purpura

William N. Christenson, John E. Utlimann and Steven C. Mohos

Abstracts

No. 4

Erythrokinetics: Quantitative Measurements of Red Cell Production and Destruction in Normal Subjects and Patients with Anemia


The Plasma Erythropoietic Stimulating Factor

James W. Linman and Frank H. Bethell

Atypical Familial Anemia

R. K. Smiley, H. Dempsey, P. Villeneuve and J. S. Campbell

Studies on Urinary Excretion of Vitamin B12Co6 in Pernicious Anemia for Determining Effective Dosage of Intrinsic Factor Concentrates

William R. Best, Wilfred F. White, Kenneth C. Robbins, Wendell A. Landmann and Sanford L. Steelman

Time Pattern of Vitamin B12Co6 Urinary Excretion in Man After Oral Administration and Parenteral "Flushing"

William R. Best, Wendell A. Landmann and Louis R. Limarzi
CONTENTS

1171

The Anemia of Trauma...................Elizabeth Topley and Ruscoe Clarke 357
Multiple Marrow Aspiration in Man from the Posterior Ilium
    Howard R. Bierman and Keith H. Kelly 370
Histochemical Demonstration of Phosphorylase in Blood and Bone Marrow Cells...........Tadao Takeuchi and Kenji Kinoshita 375
Panels in Therapy. X. Treatment of Acute TTP........C. Lockard Conley, Robert S. Evans, William J. Harrington and Steven O. Schwartz 384
News and Views................................................. 391
Books Received.............................................. 395
Abstracts.................................................... 397

No. 5

Anti-A Agglutinins in Pooled Plasma as a Cause of Hemolytic Anemia
    Julius Rutzky, Flossie Cohen and Wolf W. Zielzer 403
Antihemophilic Globulin Consumption During Blood Coagulation
    A. S. Douglas 423
Unusual Bleeding During Pregnancy: Report of a Case Due to Hypoprothrombinemia and Hypoproconvertinemia............Soona S. Setna and S. J. Altman 430
Studies on the Fibrinogen, Dextran and Phytohemagglutinin Methods of Isolating Leukocytes........William A. Skoog and William S. Beck 436
The Effect of Certain Glycolytic Inhibitors on Aerobic Lactic Acid Production by Human Leukocytes in Vitro...........Gordon R. McKinney and Samuel P. Martin 455
Sickle-Cell Anemia in South Turkey. A Study of Fifteen Cases in Twelve White Families.........................Muzaffer Aksoy 460
Immunization of Rabbits Against Human Anti-Hemophilic Factor (AHF)
    Marvin D. Richards and Theodore H. Spaet 473
News and Views................................................. 484
Books Received and Book Reviews.......................... 494
Abstracts.................................................... 497

No. 6

An Electron Microscopic Study of Red Bone Marrow..................Daniel C. Pease 501
Thrombocytopenic Purpura Due to Quinidine. I. Clinical Studies
    Frederick G. Bolton and William Dameshek 527
Thrombocytopenic Purpura Due to Quinidine. II. Serologic Mechanisms
    Frederick G. Bolton 547
Observations on the Hereditary Nature of Hageman Trait
    Alvin Margolis, Jr., and Oscar D. Ratnoff 565
Panels in Therapy. XI. The Treatment of Sprue........Guillermo García-López, Frank Gardner, Tom D. Spies and Richard W. Vilter 570
Preliminary Program—International Society of Hematology, Sixth Congress 577
Books Received.............................................. 597
Book Reviews.................................................. 597
Abstracts.................................................... 599
CONTENTS

No. 7
Experimental Research on the Proliferative and Differentiative Activity of the Erythroblast in Chronic Erythremia, the Chronic Form of Di Guglielmo's Disease ......... E. Bernardelli, V. Mele and M. Bani 609
Studies on the Anemia of Disseminated Malignant Neoplastic Disease. II. Study of the Life Span of the Erythrocyte .......... George A. Hyman, Alfred Gelhorn and Jane L. Harvey 618
The Effect of Transfusions of Erythrocytes on Untreated Pernicious Anemia . James D. Mason, Jr. and Byrd S. Learell 632
A Case of Anti-Cellano .......... Filomena P. Innella, Curtis R. Boyd and G. B. Stansell 641
The Present Status of Treatment of Autoimmune Hemolytic Anemia with ACTH and Cortisone .......... William Dameshek and Zacharias D. Komninos 648
News and Views .......................................................... 673
Book Reviews .............................................................. 678
Books Received .............................................................. 680
Abstracts ................................................................. 681

No. 8
Hemostasis in Thrombocytopenic Bleeding Following Infusion of Stored, Frozen Platelets .......... Edmund Klein, Rudolf Toch, Sidney Farber, Gustave Freeman and Rosemary Fiorentino 693
Studies on the Specificity of Autoantibodies in Acquired Hemolytic Anemia Leonard V. Crowley and Bertha A. Bouroncle 700
The Influence of Histamine upon the Circulating Leukocyte Level in Patients with the Leukemias .......... H. R. Bierman, K. Kelly, F. Cordes and A. Coblenz 708
Granulomatous Lesions in Bone Marrow .......... Gertrude L. Pease 720
Specificity of Lytic Factors for Erythrocytes, Leukocytes and Platelets in a Case of Pancytopenia . Y. Matoh, E. Elian, D. Velken and A. C. Nero 735
Hageman Factor (HF) Deficiency . Bracha Ramot, Karl Singer, Paul Heller and Hyman J. Zimmerman 745
Confirmation of a Structural Abnormality in the Stroma of Erythrocytes from Paroxysmal Nocturnal Hemoglobinuria (PNH) After Hemolysis in Distilled Water .......... H. Braunsteiner, E. Gisinger and F. Pakesch 753
Paroxysmal Nocturnal Hemoglobinuria . A. M. Nussey and D. W. Dawson 757
News and Views .......................................................... 764
Abstracts ................................................................. 767

No. 9
Fibrinolysis in the Organism .......... Tage Astrup 781
CONTENTS

Studies on the Biosynthesis of Heme in Vitro by Avian Erythrocytes
A. Goldberg, Helen Ashenbrucker, G. E. Cartwright and M. M. Wintrobe 821

Hematologic Observations on Patients with Sickle Cell Anemia Sustained at Normal Hemoglobin Levels by Multiple Transfusions
Hugh Chaplin, Jr., Hans G. Keitel and Ralph E. Peterson 834

Hemorrhagic Disease with Circulating Inhibitors of Blood Clotting: Anti-AHF and Anti-PTC in Eight Cases
Jessica H. Lewis, John H. Ferguson and Tulio Arends 846

Normal Bone Marrow Total Cell and Differential Values by Quantitative Analysis of Particle Smears
S. Sandkühler and E. Gross 856

Book Review 863
Books Received 863
Abstracts 864

No. 10

Incidence of the Common Forms of Human Leukemia
Brian MacMahon and Duncan Clark 871

Acute Leukemia Over the Age of Fifty: A Study of Its Incidence and Natural History
F. W. Gunz and R. F. Hough 882

Two “Fast” Hemoglobin Components in Liberian Blood Samples
Abner R. Robinson, Wolf W. Zuelzer, James V. Neel, Frank B. Livingstone and Max J. Miller 902

On the Prevalence of Hemoglobin D in the American Negro
Amoz I. Chernoff 907

The Effects of Varying Concentrations of Human Platelets and Their Stored Derivatives on the Recalcification Time of Plasma
Edmund Klein, Sidney Farber, Gustave Freeman and Rosemary Fiorentino 910

The Effects of Various EDTA Complexes on Coagulation
Sanford Leikin and Samuel P. Bessman 916

Osmotic Fragility of Human Blood Platelets
J. Gurwitch and D. Nelken 924

Reticulocytopenia in Autoimmune Hemolytic Anemia
William H. Crosby and Henry Rappaport 929

Relative Effectiveness of Phenylhydrazine Treatment and Hemorrhage in the Production of an Erythropoietic Factor
Elly M. Jacobsen, A. K. Davis and Edward L. Alpen 937

Ultrastructure of Erythrocyte Membranes in Thalassemia Major and Minor
J. F. Hoffman, I. J. Wolman, J. Hillier and A. K. Parpart 946

Abstracts 957

No. 11

Thrombocytoasthenia and Thrombocytopathia—Old Names and New Diseases
H. Braunsteiner and F. Pakesch 965

Studies on Spontaneous in Vitro Autohemolysis in Hemolytic Disorders
Lawrence E. Young, Mary Jane Izso, Kurt I. Altman and Scott N. Swisher 977

Sickle Cell Anemia (Homozygous S) with Aseptic Necrosis of Femoral Head
Kouichi R. Tanaka, George O. Clifford and Arnold R. Axelrod 998

Thalassemia in a Hawaiian Family of Filipino Extraction. Harold P. Lazer 1019

The Direct Coombs Test in Lead Poisoning. Donald A. Sutherland and Anna M. Eisenraut 1024

The Effect of Repeated Doses of Urethane (Ethyl Carbamate) on the Mitotic Activity and Cellular Composition of the Bone Marrow of Normal Mice. A. Rosin and G. Goldhaber 1032


Editorial—Etiology of Leukemia: A Case for the Virus Theory

Steven O. Schwartz 1045

News and Views .................................................. 1048

Book Reviews ...................................................... 1048

Abstracts .......................................................... 1049

No. 12

The Hemostatic Defect of Uremia. I. Clinical Investigation of Three Patients with Acute Post-Traumatic Renal Insufficiency

Camilo Larrain and Edward Adelson 1059

The Hemostatic Defect of Uremia. II. Investigation of Dogs with Experimentally Produced Acute Urinary Retention. Camilo Larrain and Robert D. Langdell 1067

Bleeding Tendency in Uremia. Jessica H. Lewis, Marjorie B. Zucker and John H. Ferguson 1073

Polycythemia Associated with Disturbed Function of the Respiratory Center. Peter Pare and Louis Lowenstein 1077

Immunologic Features of Erythrocyte Sensitization. I. Acquired Hemolytic Disease. John H. Vaughan 1085

A Summary of Atypical Antibodies, Rare Genotypes, and ABO Hemolytic Disease Encountered in a One Year Survey. Philip Levine, Elizabeth Robinson, Marjory Stroup, Robert McGee and Louella N. Bushnell 1097


Methyl-Green-Pyronin as a Differential Nucleic Acid Stain for Peripheral Blood Smears. Seymour Perry and John Reynolds 1132

The "Morular Cell" and the "Grape Cell" in Bone Marrow and Peripheral Blood. Avinoam Zlotnick 1140

News and Views .................................................. 1148

Abstracts .......................................................... 1149