# VOLUME I, 1946

## BLOOD

The Journal of Hematology

## CONTENTS

### No. 1

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreword</td>
<td>George R. Minot</td>
<td>1</td>
</tr>
<tr>
<td>Blood: A Brief Survey of Its Chemical Components and of Their Natural Functions and Clinical Uses</td>
<td>Edwin J. Cohn</td>
<td>3</td>
</tr>
<tr>
<td>Primary Congenital and Secondary Acquired Splenic Panhematopenia</td>
<td>Charles A. Doan and Claude-Starr Wright</td>
<td>10</td>
</tr>
<tr>
<td>The Megakaryocytes in Idiopathic Thrombocytopenic Purpura, a Form of Hypersplenism</td>
<td>William Dameshek and Captain Edward B. Miller</td>
<td>27</td>
</tr>
<tr>
<td>The Value of Penicillin in the Treatment of Agranulocytosis Caused by Thiouracil</td>
<td>Mary Catherine Tyson, Peter Vogel, and Nathan Rosenthal</td>
<td>33</td>
</tr>
<tr>
<td>The Diagnosis of Hodgkin's Disease by Aspiration Biopsy</td>
<td>Lucile Loseke and Lloyd F. Craver</td>
<td>76</td>
</tr>
<tr>
<td>Editorial</td>
<td></td>
<td>83</td>
</tr>
<tr>
<td>Abstracts</td>
<td></td>
<td>85</td>
</tr>
<tr>
<td>News and Views</td>
<td></td>
<td>93</td>
</tr>
<tr>
<td>Book Reviews</td>
<td></td>
<td>97</td>
</tr>
</tbody>
</table>

### No. 2

<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Some Newer Concepts of the Natural Derivatives of Hemoglobin</td>
<td>Cecil James Watson</td>
<td>99</td>
</tr>
<tr>
<td>The Cardiovascular System in Anemia: With a Note on the Particular Abnormalities of Sickle Cell Anemia</td>
<td>Maxwell M. Wintrobe</td>
<td>121</td>
</tr>
<tr>
<td>Observations on the Effect of Massive Doses of Iron Given Intravenously to Patients with Hypochromic Anemia</td>
<td>Anne Tompkins Gottsch, Carl V. Moore, and Virginia Minnich</td>
<td>129</td>
</tr>
<tr>
<td>Erythroblastosis Fetalis in the First-born</td>
<td>Philip Levine and R. K. Waller</td>
<td>143</td>
</tr>
</tbody>
</table>
CONTENTS

Relation of Contacting Surface and Anticephalin Activity to the Maintenance of the Fluidity and Coagulability of Blood ............... Leandro M. Tocantins 156

The Relation of Certain Fractions of the Plasma Globulins to the Coagulation Defect in Hemophilia ................................. Jessica H. Lewis, Henry J. Tagnon, Charles S. Davidson, George R. Minot, and F. H. L. Taylor 166

Editorial ................................................................. 173

Abstracts ........................................................................ 175

News and Views ........................................................... 181

Book Reviews ............................................................... 184

No. 3

Anti-Anemic Properties of Thymine
Tom D. Spies, Walter B. Frommeyer, Jr., Carl F. Vilter, and Ann English 185

Acute Hemolytic Anemia and Hemoglobinuria Following Sulfadiazine Medication ............................................. Joseph F. Ross and Bertha L. Paegel 189

Primary Polycythemia: Remissions Induced by Therapy with Radiophosphorus ..................................................... Lowell A. Erf 202

Prognosis in the Neurologic Manifestations of Pernicious Anemia
R. Wayne Rundles 209

Standardization of the Quick Prothrombin Test
Paul M. Aggeler, Joan Howard, S. P. Lucia, William Clark, and Alexis Astaff 220

Individual Blood Differences in Relation to Pregnancy, with Special Reference to the Pathogenesis of Preeclamptic Toxemia
Jane G. Hurst, Howard C. Taylor, Jr., and Alexander S. Wiener 234

Hematologic Effects of Splenectomy in Still-Chauffard-Felty Syndrome
John S. Hirschboeck 247

Editorial ........................................................................ 256

Abstracts ........................................................................ 257

News and Views ........................................................... 266

Book Reviews ............................................................... 269

No. 4

The Present Status of Folic Acid ......................... L. Joe Berry and Tom D. Spies 271

Treatment of Liver Extract Sensitivity. Steven O. Schwartz and Helen Lebere 287

Rupture of the Spleen in Infectious Mononucleosis
Major E. B. Smith and Lt. Col. R. P. Custer 317

Infectious Mononucleosis Complicated by Spontaneous Rupture of the Spleen and Central Nervous System Involvement
Stuart L. Vaughan, J. Sutton Regan, and Kornel Terplan 334

Infectious Lymphadenosis ("Mononucleosis") and Thrombocytopenic Purpura; Recovery after Splenectomy. Report of Case
William Dameshek and Michael H. Grassi 339

Experimental Leukocytosis. The Inefficacy of P-chloroxylenol and Methyl Acetamide as Bone Marrow Stimulants ....... Leo M. Meyer 343
CONTENTS

The Excretion of Urobilinogen in the Stools and Urine during Malarial Infection
A. de Vries 348

Editorials ................................................................................. 357
Abstracts ............................................................................... 358

No. 5

Further Observations on the Effect of Benzene on a Strain of Myeloid Chloro-
leukemia in Mice and on Changes Produced in the Leukemic Cells by the Chemical
C. M. Flory, I. D. Steinhardt, and J. Furth 367

Cellular Changes Produced by Extracts of Human Organs

Monocytic Leukemia and Tuberculosis... Elwyn L. Hilett and Charles H. Hiles 387

Plasma Cell Leukemia William T. Moss and Lauren V. Ackerman 396

Morphological Examination of the Blood and Sternal Marrow of Nine Patients Treated with Thiouracil Carl J. Gessler 407

Sternal Marrow Studies in Thyrotoxicosis Treated with Thiouracil and Review of Literature Regarding Thiouracil Effects on Blood
Stella H. Sikkema, Ethel W. Thewlis, and Ovid O. Meyer 411

The Effect of Thiouracil on Leukemia
Louis R. Limari, Richard J. Kulaseavage, and Conrad L. Pirani 426

Editorial ................................................................................. 426
Abstracts ............................................................................... 428
News and Views ........................................................................ 433
William Waddell Duke: Notes on the Man and His Work ............ 435
Book Reviews ........................................................................... 438

No. 6

Preservation of Normal Human Plasma in the Liquid State
Eugene L. Loner, Sonia Lemish, A. Sue Campbell, and Lloyd R. Newbouser 459

Platelet Counts and Platelet Function
Paul M. Aggeler, Joan Howard, and S. P. Lucia, with Edith Mills 472

Pseudohemophilia: Case Study Woodbury Perkins 497
Pseudohemophilia S. Estren, L. Sanchez Medel, and William Dameshek 504

On the Influence of Stilbamidine upon Myeloma Cells
I. Snapper and B. Schneid 534

Hematological Changes Following the Administration of Large Doses of Quinacrine Hydrochloride Charles W. Mushett and Henry Siegel 537
Specificity of Isoagglutinin Response Following Injection of Group Substances into Group O Individuals William C. Boyd and Francis C. Lowell 548
The Blood Groups, Subgroups, and Rh Factor of the Mapuche Indians of the Province of Cautin, Chile L. Sandoval, C. Henckel, and L. Givovich 555
Editorial ................................................................................. 560
Abstracts ............................................................................... 561
News and Views ........................................................................ 564