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AMERICAN SOCIETY OF HEMATOLOGY
Fifth Annual Meeting
Columbus, Ohio, November 26–27, 1962
Neil House

SUNDAY, NOVEMBER 25

Advance Registration—Neil House—2:00 P.M.–5:00 P.M.

**“Mixer” for Members and Guests—Deshler-Hilton Hotel—
7:00 P.M.–9:00 P.M.**

MONDAY, NOVEMBER 26

Registration—Neil House—8:00 A.M.–5:00 P.M.

Scientific Session

9:00 A.M.–12:15 P.M.

1. ERYTHROPOIETIN AND THE STATE OF RENAL TISSUE. *E. E. Muirhead,* Mary Kosinski, Frances Jones and E. Reno* (Wayne State University, Detroit, Mich.)
2. RED CELL MASS AND ERYTHROPOIETIN LEVELS IN PATIENTS WITH CHRONIC LUNG DISEASE, ARTERIAL ANOXEMIA, AND NORMAL HEMATOCRITS, *Robert C. Gallo, William Fraimow, Richard T. Cathcart and Allan J. Erslev** (Jefferson Medical College, Philadelphia, Penna.)
3. PROTECTIVE EFFECT OF SHEEP PLASMA ERYTHROPOIETIN AGAINST THE HEMATO-DEPRESSANT ACTION OF MYELERAN IN INTACT AND SPLENECTOMIZED RATS, *Paul T. Medici, S. J. Piliero* and Josephine Hurst* (St. John's University Graduate School, Jamaica, N. Y. and New York Medical College, New York, N. Y.)
4. STUDIES ON THE NATURE OF THE RNA DIRECTING HEMOGLOBIN SYNTHESIS IN RETICULOCYTES, *Edward R. Burka and Paul A. Marks** (Columbia University College of Physicians and Surgeons, New York, N. Y.)
5. INCORPORATION OF Fe^{59} INTO HETEROGENIC HEMOGLOBINS, *Richard D. Levere and Herbert C. Lichtman** (State University of New York, Downstate Medical Center, Brooklyn, N. Y.)
6. PRIMAQUINE INDUCED GENERATION OF HYDROGEN PEROXIDE IN ERYTHROCYTES, *Gerald Cohen and Paul Hochstein* (introduced by *George Hyman**) (Columbia University College of Physicians and Surgeons, New York, N. Y.)

*An asterisk following the author's name indicates membership in the American Society of Hematology.

7. PROTECTION OF HEMOGLOBIN FROM OXIDATION IN VITRO BY ERYTHROCYTIC NONHEMOGLOBIN PROTEINS, *A. S. Hill, Jr., A. Haut,* G. E. Cartwright and M. M. Wintrobe** (University of Utah College of Medicine, Salt Lake City, Utah)
8. SOME EFFECTS OF ACETYLPHENYLHYDRAZINE ON RED CELL METABOLISM, *Jane F. Desforges* and Dalila Simanavicius* (Boston City Hospital, Boston, Mass.)
9. A STUDY OF METHEMOGLOBINEMIA DUE TO CONGENITAL DIAPHORASE DEFICIENCY, *Madison Cawein,* Charles H. Behlen and E. J. Lappat* (University of Kentucky Medical Center, Lexington, Ky.)
10. CHARACTERIZATION OF SULFHYDRYL GROUPS IN THE ERYTHROCYTE MEMBRANE, *R. I. Weed and C. F. Reed* (introduced by *Scott N. Swisher**) (University of Rochester School of Medicine, Rochester, N. Y.)
11. CHROMATOGRAPHIC PATTERNS OF HUMAN ERYTHROCYTE CATALASE IN HEMOLYSATES PREPARED FROM NORMAL INDIVIDUALS AND PATIENTS WITH SICKLE CELL ANEMIA, *Oscar A. Thorup, Jr.* and Johnson T. Carpenter, Jr.* (University of Virginia School of Medicine, Charlottesville, Va.)
12. THE PATHOGENESIS OF ABNORMAL RED CELL FUNCTION IN ACANTHOCYTOSIS, *Peter Ways and Ernest R. Simon* (introduced by *Clement A. Finch**) (University of Washington School of Medicine, Seattle, Wash.)
13. ERYTHROCYTE COMPLEMENT COATING IN THE ACID HEMOLYSIN AND THROMBIN TESTS OF PAROXYSMAL NOCTURNAL HEMOGLOBINURIA, *David E. Jenkins, Jr., William N. Christenson* and Ralph L. Engle, Jr.** (The New York Hospital-Cornell Medical Center, New York, N. Y.)

MONDAY, NOVEMBER 26

DISTINGUISHED LECTURE

1:30 P.M.

The Regulation and Transfer of Biological Information

Wendell M. Stanley

Chairman, Department of Virology

Director, Virus Laboratory

University of California

Berkeley, Calif.

Scientific Session

2:30 P.M.-5:30 P.M.

1. GENETIC BASIS FOR FOUR DIFFERENT TYPES OF "IDIOPATHIC ACAMMAGLOBULINEMIA," *Hugh Fudenberg,* J. F. Heremans and E. C. Franklin* (University of California, San Francisco, Calif.)
2. DNA AND RNA SYNTHESIS OF MARROW CELLS OF NORMAL SUBJECTS AND

- PATIENTS WITH PLASMOCYTIC DISORDERS, *Jakob R. Schmid, Joseph M. Kiely,* Charles A. Owen, Jr.* and W. Newlon Tauxe* (Mayo Clinic and Mayo Foundation, Rochester, Minn.)
3. STUDIES ON THE BIOLOGICAL ACTIVITIES OF PLASMA CELLS: PROTEIN SYNTHESIS AND PHAGOCYtic ACTIVITY AS DEMONSTRATED BY ELECTRON MICROSCOPY, *Richard A. Rifkind* (introduced by *Paul A. Marks**) (Columbia University College of Physicians and Surgeons, New York, N. Y.)
 4. IMMUNOLOGICAL AND CLINICAL VARIANTS OF PRIMARY MACROGLOBULINEMIA (WALDENSTRÖM), *Stephan E. Ritzmann* and William C. Levin* (University of Texas Medical Branch, Galveston, Texas)
 5. A MORE SENSITIVE COOMBS' TEST?, *Barrie Hiern and Charles C. Sprague** (Tulane University School of Medicine, New Orleans, La.)
 6. THE DISAPPEARANCE RATE OF FACTOR VII FOLLOWING EXCHANGE TRANSFUSION, *George C. Hoffman,* James S. Hewlett* and Mary M. Potter* (The Cleveland Clinic Foundation, Cleveland, Ohio)
 7. THE IN VIVO BEHAVIOUR OF SPECIFIC ERYTHROCYTE ANTIBODIES IN MAN, *Nicholas V. Costea,* M. Constantoulakis and Robert Schwartz** (Pratt Clinic-New England Center Hospital and Tufts University School of Medicine, Boston, Mass.)
 8. EVIDENCE OF A MYELOINHIBITORY FACTOR IN THE SPLEEN, *W. H. Crosby* and F. Ruiz* (Walter Reed Army Medical Center, Washington, D. C.)
 9. MECHANICAL AND PROBABLE HUMORAL FUNCTIONS OF THE NORMAL CANINE SPLEEN, *Mortimer Lorber** (Georgetown University School of Medicine, Washington, D. C.)
 10. A RECENT ADVANCE: DIAGNOSTIC PHOTOSCANNING OF THE SPLEEN UTILIZING MERCURY¹⁹⁷ IN HEMATOLOGIC DISORDERS, *D. Bruce Sodee** (Walter Reed Army Medical Center, Washington, D. C.)
 11. HEMATOLOGICAL CHANGES IN MINIATURE SWINE INGESTING SR⁹⁰ DAILY, *R. O. McClellan, G. S. Vogt and F. F. Hahn* (introduced by *M. L. Ingram**) (Hanford Laboratories, General Electric Company, Richland, Wash.)
 12. RECOVERY OF HEMOPOIESIS IN THE SPLEEN AND BONE MARROW OF RATS DURING CONTINUOUS GAMMA-IRRADIATION, *Charles E. Brambel,* Frances D. Brambel and George Brecher** (University of Notre Dame, Notre Dame, Indiana and National Institutes of Health, Bethesda, Md.)

MONDAY, NOVEMBER 26

Banquet—Neil House, Ballroom

Cocktails, 7:15 P.M.—Dinner, 8:00 P.M.

TUESDAY, NOVEMBER 27

Registration—Neil House—8:00 A.M.—12:00 noon

Scientific Session
9:00 A.M.—12:15 P.M.

1. STUDIES ON THROMBOCYTES OF LOWER VERTEBRATES, *Jessica H. Lewis** and *Mitsuru Shirakawa* (University of Pittsburgh School of Medicine, Pittsburgh, Penna.)
2. THE IN VITRO INCORPORATION OF RADIOPHOSPHORUS INTO THE PHOSPHATIDES OF NORMAL HUMAN PLATELETS, *M. P. Westerman and W. N. Jensen** (University of Pittsburgh School of Medicine, Pittsburgh, Penna.)
3. A STUDY OF THE PLATELET-PLASMA INTERACTION IN THROMBOCYTHEMIA: THE SIGNIFICANCE OF ALTERED PLATELET POTASSIUM RELEASE, *Stanley L. Leithold,* Harold M. Schoolman and Irving A. Friedman** (Veterans Administration Hospital, Hines, Ill.)
4. THE SEROTONIN TEST FOR THE DETECTION OF ANTI-PLATELET ANTIBODIES, *J. Bridges, C. Fichera and M. Baldini** (Pratt Clinic-New England Center Hospital and Tufts University School of Medicine, Boston, Mass.)
5. THROMBOSIS IN SYSTEMIC LUPUS ERYTHEMATOSUS DESPITE CIRCULATING ANTICOAGULANTS, *E. J. Walter Bowie, John H. Thompson, Jr. and Charles A. Owen, Jr.** (Mayo Clinic and Mayo Foundation, Rochester, Minn.)
6. THROMBIN AND INTRAVASCULAR PLATELET THROMBI, *G. A. Robinson, P. Riddell, A. McCarter, H. C. Rowsell and J. F. Mustard** (Ontario Veterinary College, Guelph, Ontario and University of Toronto, Toronto, Ont.)
7. THE FATE OF THE PLATELET AND PLATELET SURVIVAL, *J. F. Mustard,* G. A. Robinson, E. A. Murphy, R. Herst and H. C. Rowsell* (University of Toronto, Toronto, Ont., Ontario Veterinary College, Guelph, Ont., and Sunnybrook Hospital, Toronto, Ont.)
8. PLATELET FUNCTION DEFECTS WITH BLEEDING AS EARLY MANIFESTATIONS OF ACUTE LEUKEMIA, *Irving A. Friedman,* Stanley L. Leithold* and Steven O. Schwartz** (Hektoen Institute for Medical Research of the Cook County Hospital, Chicago Medical School and Northwestern University Medical School, Chicago, Ill.)
9. RECURRENT ACUTE IDIOPATHIC THROMBOCYTOPENIC PURPURA, *Shirley Ebbe* and William Dameshek** (Pratt Clinic-New England Center Hospital and Tufts University School of Medicine, Boston, Mass.)
10. INACTIVATION OF PATHOLOGICAL ANTITHROMBOPLASTINS BY "THROMBOPLASTIC" URINE FRACTION, *K. N. von Kaulla* and E. von Kaulla* (University of Colorado School of Medicine, Denver, Colo.)
11. CLASSICAL HEMOPHILIA AND VON WILLEBRAND'S DISEASE WITH ANTI-HEMOPHILIC FACTOR (AHF) DEFICIENCY IN THE SAME FAMILY, *Mario T. Geiger and Charles E. Rath** (Georgetown University Hospital, Washington, D. C.)
12. LONG TERM PLASMA AND TOTAL BODY Co^{57} B_{12} TURNOVER, *Charles A. Hall** (Veterans Administration Hospital and Albany Medical College, Albany, N. Y.)

13. THE CLINICAL SIGNIFICANCE OF THE FORMATION OF AMMONIA IN SHED WHOLE BLOOD, *Barry A. Tobe and Donald Wood* (introduced by *Arthur H. Squires**) (University of Toronto, Toronto, Ont.)

TUESDAY, NOVEMBER 27

Annual Business Meeting—Neil House—1:30 P.M.—2:00 P.M.

Scientific Session

2:00 P.M.—5:30 P.M.

1. PROLIFERATION AND MOVEMENT OF LYMPHOID CELLS IN NORMAL ANIMALS, *Charles G. Craddock* and George S. Nakai* (University of California School of Medicine and Veterans Administration Center, Los Angeles, Calif.)
2. LEUKOKINETIC STUDIES IN CHRONIC MYELOCYTIC LEUKEMIA (CML) USING RADIOACTIVE DIISOPROPYLFLUOROPHOSPHATE (DFP³²), *S. O. Raab,* J. W. Athens, O. P. Haab, D. R. Boggs, G. E. Cartwright and M. M. Wintrobe** (University of Utah College of Medicine, Salt Lake City, Utah)
3. PATTERNS OF RECOVERY FROM DRUG INDUCED BONE MARROW DAMAGE, *Anthony V. Pisciotto,* Charlotte Keller, John L. Callaghan and Joyce Kaldahl* (Marquette University School of Medicine and Milwaukee County Hospital, Milwaukee, Wis.)
4. THE MACROPHAGES IN CELL CULTURES OF NORMAL HUMAN PERIPHERAL BLOOD, *Lawrence Berman** (Wayne State University College of Medicine, Detroit, Mich.)
5. STUDIES ON THYMECTOMIZED HAMSTERS, *Joseph D. Sherman, Marvin M. Adner and William Dameshek** (Pratt Clinic-New England Center Hospital, and Tufts University School of Medicine, Boston, Mass.)
6. ABNORMAL LEUKOCYTE RESPONSE IN ALCOHOLISM, *William McFarland* and Eugene P. Libre* (Georgetown University School of Medicine and Veterans Administration Hospital, Washington, D. C.)
7. STUDIES OF THE BINDING OF I¹³¹ LABELED ANTI-D BY LEUKOCYTES, *Arthur E. Barnes,* Hernando Sarasti and Wallace N. Jensen** (University of Pittsburgh School of Medicine, Pittsburgh, Penna.)
8. CYTOLOGIC STUDIES ON SPECIFIC IMMUNOCYTOLYSIS OF HUMAN LEUKEMIC AND TUMOR CELLS, *Sergio de Carvalho** (Doctors Hospital and Cancer Research Laboratory, Rand Development Corp., Cleveland, Ohio)
9. THE NEOPLASTIC LYMPHOCYTE AS AN ANTIBODY CARRIER IN CHRONIC LYMPHOCYTIC LEUKEMIA, *Jerome I. Brody* and Lawrence H. Beizer** (University of Pennsylvania Graduate School of Medicine and Graduate Hospital, Philadelphia, Penna.)
10. CHROMOSOME STUDIES IN CHRONIC GRANULOCYTIC LEUKEMIA OF CHILDHOOD, *Leonard E. Reisman and Jose M. Trujillo* (introduced by

- Ernest Beutler** (City of Hope Medical Center, Duarte, Calif.)
11. COMBINATION STUDIES WITH METHYLGLYOXAL BIS (GUANYLHYDRAZONE), VINCRISTINE AND 2 CHLORO 4'4" BIS (IMIADZOLYL) TEREPHTHALANILIDE AND ITS ANALOGUES, *Joseph H. Burchenal,* J. R. Purple, E. Bucholz and W. Kreis* (Sloan-Kettering Institute and Cornell University Medical College, New York, N. Y.)
 12. THE QUANTITATIVE ANALYSIS OF DRY MASS IN ERYTHROCYTES BY MEANS OF ELECTRON MICROSCOPY, *G. F. Bahr and E. Zeitler* (introduced by *Irwin M. Weinstein**) (Armed Forces Institute of Pathology, Washington, D. C.)

TO BE READ BY TITLE ONLY

1. ACTIVITY AND FINE STRUCTURE OF THE SPHERULE CELLS OF ECHINODERMS: A STUDY IN COMPARATIVE HEMATOLOGY, *Warren Andrew** (Indiana University, Indianapolis, Ind.)
2. A NEW VARIANT OF HEMOGLOBIN A₂ AND ITS SEGREGATION IN A FAMILY WITH HEMOGLOBIN S, *Thomas B. Bradley, Jr., Helen M. Ranney* and Alan S. Jacobs* (Seton Hall College of Medicine and Dentistry, Jersey City, N. J., and Albert Einstein College of Medicine and Bronx Municipal Hospital Center, New York, N. Y.)
3. HEMOSIDEROSIS OF THE SPLEEN IN THE NEWBORN, *Bernard Czernobilsky and Abraham M. Frumin** (Woman's Medical College of Pennsylvania, Philadelphia, Penna.)
4. HEINZ BODY FORMATION IN BLOOD OF ADULTS AND PREMATURE INFANTS, *Jane F. Desforages* and Adelaide Borges* (Boston City Hospital, Boston, Mass.)
5. MAGNESIUM IN HEMOLYTIC DISEASE, *Marion E. Erlandson,* Jacqueline Wehman, Jules Golubow and Carl H. Smith** (The New York Hospital-Cornell Medical Center, New York, N. Y.)
6. IN VITRO STUDIES OF IRON-BINDING PROTEINS IN HUMAN SERUM, *Donald M. Hayes,* Charles L. Spurr* and Thomas R. Blackburn* (Bowman Gray School of Medicine of Wake Forest College, Winston-Salem, N. C.)
7. MACROGLOBULIN CHARACTERIZATION AND DISSOCIATION: EVALUATION OF EXPERIMENTAL THERAPY IN MACROGLOBULINEMIA, *Joseph M. Hill,* Ellen Loeb, Morton D. Prager* and Margaret Goerner* (Wadley Research Institute and Blood Bank, Dallas, Texas)
8. ASSAY OF PTA USING ARTIFICIALLY DEPLETED NORMAL PLASMA, *Herbert I. Horowitz,* Winthrop P. Wilcox and Mitsu M. Fujimoto* (The New York Hospital-Cornell Medical Center, New York, N. Y.)
9. PREPARATION OF A WATER INSOLUBLE THROMBIN, *Qamar Zafar Hussain and Thomas F. Newcomb** (University of Florida College of Medicine, Gainesville, Fla.)
10. LIVER FUNCTION TESTS IN PNH: EFFECT OF ANDROGEN THERAPY, *Joseph A. King and Robert C. Hartmann** (Vanderbilt University School of Medicine and Hospital, Nashville, Tenn.)

11. ATP METABOLISM IN HEREDITARY NONSPHEROCYTIC HEMOLYTIC ANEMIA DUE TO GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY, *Daniel N. Mohler** (University of Virginia School of Medicine, Charlottesville, Va.)
12. A SIMPLIFIED METHOD FOR SEPARATING AND MEASURING HEMOGLOBIN A₂, *Robert S. Rozman, Richard P. Sacks and Richard Kates* (introduced by *Edward Adelson**) (The George Washington University Medical School, Washington, D. C.)
13. THE SEZARY SYNDROME: PRESENTATION OF A CASE WITH A PRELIMINARY REPORT ON THE USE OF VINCALEUKOBLASTINE, *Marvin J. Sakol* and Raymond K. Federman* (Akron, Ohio)
14. GENETIC AND BIOCHEMICAL ASPECTS OF SICKLE CELL DACTYLITIS, *W. G. Thurman* and W. Lorraine Watkins* (Emory University School of Medicine, Atlanta, Ga.)
15. VIRUS-LIKE PARTICLES IN LEUKEMIC LYMPHOCYTES, *Dorothea Zucker-Franklin* (introduced by *Theodore H. Spaet**) (New York University School of Medicine, New York, N. Y.)