
AMERICAN SOCIETY OF HEMATOLOGY
Fourth Annual Meeting
Los Angeles, Calif., November 27-28, 1961
Ambassador Hotel

SUNDAY, NOVEMBER 26

Advance Registration—Ambassador Hotel—2:00–5:00 p.m.

MONDAY, NOVEMBER 27

Registration—Ambassador Hotel—from 8:00 a.m.

SCIENTIFIC SESSION—9:00 a.m.

1. STUDIES OF THE PROCESS OF INTESTINAL IRON ABSORPTION IN RATS, *Elmer B. Brown and Mary Rother* (Washington University, St. Louis, Mo.)
2. STUDIES ON EFFECTIVE ERYTHROPOIESIS IN MAN: 'LOW-OUTPUT' PATTERNS OF ERYTHROPOIETIC FAILURE, *A. J. Samuels* (University of California Medical Center and Cedars of Lebanon/Mt. Sinai Hospitals, Los Angeles, Calif.)
3. ERYTHROBLAST MATURATION IN BONE-MARROW CULTURES: EFFECT OF ERYTHROPOIETIN, *Edward R. Powsner and Lawrence Berman* (Veterans' Administration Hospital, Dearborn, and Wayne State University College of Medicine, Detroit, Mich.)
4. AN EVALUATION OF THE MEASUREMENT OF RED-CELL SURVIVAL WITH DIISOPROPYLFLUOROPHOSPHATE- P^{32} (DFP 32), *Martin J. Cline and Nathaniel I. Berlin* (National Cancer Institute, National Institutes of Health, Bethesda, Md.)
5. A QUANTITATIVE RADIOACTIVE ANTIGLOBULIN TEST, *Nicholas Costea, Robert Schwartz, Matthew Constantoulakis and William Dameshek* (New England Center Hospital and Tufts University School of Medicine, Boston, Mass.)
6. CURRENT STATUS OF THE HEREDITARY HUMAN GAMMA-GLOBULIN GROUPS, *Hugh Fudenberg* (University of California School of Medicine, San Francisco, Calif.)
7. CHROMOSOME STUDIES IN HEMATOLOGY, *John F. Jackson* (Sponsored by Charles C. Sprague.) (Tulane University School of Medicine, New Orleans, La.)
8. A SIMPLE METHOD FOR DETECTION OF ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G-6-PD) DEFICIENCY, *Virgil F. Fairbanks and Ernest Beutler* (City of Hope Medical Center, Duarte, Calif.)
9. THE REDUCTION OF METHEMOGLOBIN IN NORMAL, GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENT, AND CONGENITAL METHEMOGLOBINE-

- MIA ERYTHROCYTES, *Ernest R. Jaffé* (Albert Einstein College of Medicine, New York, N. Y.)
10. PYRUVATE KINASE (PK) DEFICIENCY: HEREDITARY NONSPHEROCYTIC HEMOLYTIC ANEMIA, *Kouichi R. Tanaka, William N. Valentine and Shiro Miwa* (University of California Medical Center and Wadsworth Hospital, Los Angeles, Calif.)
 11. AN ABNORMAL FETAL HEMOGLOBIN PROBABLY BASED UPON AN α CHAIN ABNORMALITY, *Helen M. Ranney and Cathleen O'Brien* (Albert Einstein College of Medicine, New York, and University of Vermont, Burlington, Vt.)
 12. FORMATION OF DIFFERENT HEMOGLOBINS IN TISSUE CULTURE OF HUMAN BONE MARROW TREATED WITH HUMAN DEOXYRIBONUCLEIC ACID, *Lorraine M. Kraus* (University of Tennessee Medical Units, Memphis, Tenn.)
 13. ABNORMALITIES OF THE IMMUNE RESPONSE IN CHILDREN WITH HEMOGLOBINOPATHIES, *William C. Thurman* (Sponsored by Charles C. Sprague.) (Emory University School of Medicine, Atlanta, Ga.)
 14. FOLIC-ACID DEFICIENCY AS A LIMITING FACTOR IN THE ANEMIAS OF THALASSEMIA MAJOR, *A. Leonard Luhby, Jack M. Cooperman, Robert Feldman, Joseph Ceraolo, Julia Herrero and James F. Marley* (New York Medical College, New York, N. Y.)
 15. CORRELATION BETWEEN SERUM FOLIC-ACID ACTIVITY AND RESPONSE TO ANTI-FOLATE THERAPY, *Barth Hoogstraten, Herman Baker, and Peter Reizenstein* (The Mount Sinai Hospital, New York, and The Brookhaven National Laboratory, Upton, N. Y.)
 16. THE ASSAY OF WARFARIN AND ITS BIOLOGIC APPLICATION, *R. A. O'Reilly, P. M. Aggeler, M. S. Hoag and L. Leong* (Children's Hospital, San Francisco, Calif.)
 17. ROLE OF AC-GLOBULIN IN PROTHROMBIN ACTIVATION, *Walter H. Seegers and Ricardo H. Landaburu*, (Wayne State University College of Medicine, Detroit, Mich.)

MONDAY, NOVEMBER 27, 1961

SYMPOSIUM—2:00–5:30 p.m.

LEUKOCYtic ENERGIES

Moderator: **John W. Rebeck, Detroit, Mich.**

1. A BIOCHEMICAL VIEW OF THE PHAGOCYtic PROCESS, *Manfred L. Karnovsky*, Boston, Mass.
2. PROFIBRINOLYSIN LOCALIZATION IN THE EOSINOPHILIC SERIES, *Marion I. Barnhart*, Detroit, Mich.
3. THE ROLE OF BASOPHILIC GRANULOCYTES IN NONMALIGNANT DISEASE, *John W. Rebeck*, Detroit, Mich.
4. ROLE OF THE LYMPHOCYte IN DELAYED HYPERSENSITIVITY AND TRANS-

- PLANTATION IMMUNITY, *Joseph D. Feldman*, La Jolla, Calif.
5. OBSERVATIONS IN DIFFUSION CHAMBERS ON THE RELATION OF MONONUCLEAR LEUKOCYTES OF BLOOD TO CONNECTIVE AND HEMATOPOIETIC TISSUES, *Nicholas L. Petrakis*, San Francisco, Calif.
 6. PARTICIPATION OF BASOPHILS IN INFLAMMATION, *Earl P. Benditt*, Seattle, Wash.

EVENING PROGRAM

California Luau (Informal), Ambassador Hotel—from 6:30 p.m.

TUESDAY, NOVEMBER 28

SCIENTIFIC SESSION—9:00 a.m.

1. MECHANISMS REGULATING LEUCOCYTE RELEASE FROM PERFUSED FEMURS, *Albert S. Gordon, Burton S. Dornfest, Joseph LoBue, Eugene S. Handler and Henry Quastler* (New York University, N. Y., and The Brookhaven National Laboratory, Upton, N. Y.)
2. LEUKAPHERESIS OF LEUKEMIC PATIENTS, *Howard R. Bierman, Grace J. Marshall, Keith H. Kelly and Ralph L. Byron* (Institute for Cancer and Blood Research, Beverly Hills, Calif.)
3. THE EFFECT OF PHYTOHEMAGGLUTININ ON LEUKOCYTE CULTURES, *O. Ross McIntyre and Franklin G. Ebaugh, Jr.* (Dartmouth Medical School and Hitchcock Clinic, Hanover, N. H.)
4. COMPARISON OF CELL RENEWAL IN NORMAL AND LEUKEMIC STATES, *Alberto Monti, Mary A. Maloney, Charlotte L. Weber and Harvey M. Patt* (Sponsored by Steven O. Schwartz.) (Argonne National Laboratory and Cook County Hospital, Chicago, Ill.)
5. IN VITRO DNA SYNTHESIS BY HUMAN MARROW CELLS, *Clarence P. Alfrey, Joseph M. Kiely, W. Newlon Tauxe and Charles A. Owen, Jr.* (Mayo Clinic and Mayo Foundation, Rochester, Minn.)
6. PHAGOCYtic RETICULAR CELLS AND THEIR RELATION TO FATE AND FUNCTION OF SMALL LYMPHOCYTES IN GUINEA-PIG BONE MARROW, *Dennis G. Osmond and N. B. Everett* (Paper to be read by Dr. Everett.) (University of Washington, Seattle, Wash.)
7. FACTORS INFLUENCING THE FORMATION OF LE CELLS, *Earl N. Metz and John Laszlo* (Duke University Medical Center, Durham, N. C.)
8. SOME METABOLIC EFFECTS OF ANTILEUKOCYTE SERUM, *Julius Kritzman and John McCarthy*, (The Boston Dispensary, Boston, Mass.)
9. DEMONSTRATION OF TISSUE ANTIGENS IN RABBIT BLOOD PLATELETS, *Shirley Ebbe and Mario Baldini* (New England Center Hospital and Tufts University School of Medicine, Boston, Mass.)
10. CONTINUOUS IN VIVO COAGULATION, THE DETERMINANT OF PLATELET SURVIVAL, *Edward Adelson, Jack J. Rheingold, Arnold A. Lear, Jenefer Isbister, James C. Kirby and Richard M. Kaufman* (Paper

- to be read by Dr. Rheingold.) (George Washington University School of Medicine, Washington, D. C.)
11. PLATELET RESPONSE TO NATURAL AND FOREIGN AGENTS, *T. T. Odell, Jr., T. P. McDonald, T. C. Detwiler and F. L. Housden* (Oak Ridge National Laboratory, Oak Ridge, Tenn.)
 12. STUDIES ON THE PLATELET INCREASE INDUCED BY CITROVORUM FACTOR, *Donald M. Hayes, Charles L. Spurr, and William B. Deskins* (Bowman Gray School of Medicine and the North Carolina Baptist Hospital, Winston-Salem, N. C.)
 13. AN ELECTRON MICROSCOPIC STUDY OF IN VIVO PRIMARY THROMBUS FORMATION, *H. Cottier, B. Ross, H. Rentsch and E. P. Cronkite* (University of Berne, Switzerland, and The Brookhaven National Laboratory, Upton, N. Y.)
 14. HEREDOFAMILIAL DEFICIENCIES OF CLOTTING FACTORS VII AND X ASSOCIATED WITH CAROTID-BODY TUMORS, *Arthur Kroll, Liberto Pechet, Benjamin Alexander and Frances Cochios* (Beth Israel Hospital and Harvard Medical School, Boston, Mass.)
 15. PLASMA THROMBOPLASTIN ANTECEDENT DEFICIENCY ASSOCIATED WITH A UNIQUE TISSUE DISORDER, *Robert L. Wall, Dante Scarpelli, William Molnar and Charles Coltman* (University Hospital, Columbus, Ohio)

TUESDAY, NOVEMBER 28, 1961

ANNUAL BUSINESS MEETING—1:45–2:30 p.m.

SYMPOSIUM—2:30–5:30 p.m.

SOME ASPECTS OF BONE-MARROW FAILURE

Moderator: Frank H. Gardner, Boston, Mass.

1. IN VITRO ACTION OF CHLORAMPHENICOL AND CHLORAMPHENICOL ANALOGUES ON HUMAN ERYTHROID TISSUE, *Allan J. Erslev*, Philadelphia, Pa.
 2. BONE-MARROW PANHYPOPLASIA IN HUMANS EXPERIMENTALLY INDUCED BY VIRAL INFECTION, *Donald L. Howie*, Washington, D. C.
 3. ERYTHROPOIESIS AND ERYTHROPOIETINE IN CHRONIC BONE-MARROW FAILURE, *Frederick Stohlman*, Bethesda, Md.
 4. ROLE OF THE SPLEEN AND EFFECT OF SPLENECTOMY ON BONE-MARROW FUNCTION, *William H. Crosby*, Washington, D. C.
 5. THE ROLE OF TESTOSTERONE IN BONE-MARROW FAILURE, *Frank H. Gardner*, Boston, Mass.
 6. ALKALI-RESISTANT HEMOGLOBIN IN APLASTIC ANAEMIA, ACQUIRED AND CONGENITAL TYPES, *Louis K. Diamond*, Boston, Mass.
- Panel Discussion, with audience participation

TO BE READ IF TIME PERMITS

1. A SIMPLE METHOD FOR QUANTITATION OF A₂ HEMOGLOBIN FRACTION, *Ruth*

- S. Hoffman and Charles C. Sprague* (Tulane University School of Medicine, New Orleans, La.)
2. PLATELET LABELING WITH Cr^{51} FOR LIFE-SPAN DETERMINATION, *Robert C. Brown, W. Newlon Tauxe, and Albert B. Hagedorn* (Mayo Clinic and Mayo Foundation, Rochester, Minn.)
 3. ENZYMATIC FIBRINOLYSIS INDUCED IN HUMAN BLOOD BY SYNTHETIC HYDROTROPIC COMPOUNDS, *K. N. von Kaulla* (University of Colorado School of Medicine and Belle Bonfils Memorial Blood Bank, Denver, Col.)
 4. COMBINED THERAPY OF AGNOGENIC MYELOID METAPLASIA WITH TESTOSTERONE, BUSULFAN, AND PREDNISONE, *Richard T. Silver, David E. Jenkins, Jr. and Ralph L. Engle, Jr.* (New York Hospital-Cornell Medical Center, New York, N. Y.)
 5. THE EFFECTS OF BLOOD PH ON TRANSPORT OF BILIRUBIN, *Arthur Sawitsky and Eli Seifter* (Long Island Jewish Hospital, New Hyde Park, N. Y.)
 6. MECHANISM OF THE IMMUNOHEMATOLOGIC EFFECT OF PAPAIN AND RELATED ENZYMES, *Morton D. Prager and Klara Efron* (Wadley Research Institute and Blood Bank, Dallas, Texas.)
 7. SUSCEPTIBILITY TO IMMUNE HEMOLYSIS AS RELATED TO THE AGE OF HUMAN AND DOG RED BLOOD CELLS, *Robert C. Griggs and John W. Harris* (Western Reserve University School of Medicine, Cleveland, Ohio)
 8. THE DISAPPEARANCE OF INTRAVENOUSLY INJECTED RADIOACTIVE VITAMIN B_{12} IN PERNICIOUS ANEMIA IN RELAPSE AND IN REMISSION, *Eugene A. Brody, Solomon Estren and Louis R. Wasserman* (The Mount Sinai Hospital, New York, N. Y.)
 9. THE IMMUNOLOGIC PROPERTIES OF HUMAN HEMOGLOBIN, *Paul Heller, Vincent J. Yakulis and Aaron M. Josephson* (University of Illinois College of Medicine, Chicago, Ill.)
 10. INTERACTING THALASSEMIA WITH NORMAL A_2 HEMOGLOBIN AND ELEVATED OR NORMAL FETAL HEMOGLOBIN LEVELS, *James A. Wolff* (College of Physicians and Surgeons, Columbia University, New York, N. Y.)
 11. ESTIMATION OF HEPARIN LEVELS IN STORED AND TRAUMATIZED BLOOD, *Herbert A. Perkins, D. J. Acra and Mary R. Rolfs* (Irwin Memorial Blood Bank of the San Francisco Medical Society, San Francisco, Calif.)
 12. HEMATOLOGICAL REMISSIONS IN ACUTE LEUKEMIA WITH CYCLOPHOSPHAMIDE, *Charlotte T. C. Tan, Jane Phoa, Margaret Lyman, M. Lois Murphy, Harold W. Dargeon and Joseph H. Burchenal* (Sloan-Kettering Institute and Memorial Sloan-Kettering Cancer Center, New York, N. Y.)