1970 PROGRAM

AMERICAN SOCIETY FOR

CLINICAL INVESTIGATION, INC.

62ND ANNUAL MEETING

Including programs for
American Federation for Clinical Research, Inc.
The Association of American Physicians

MONDAY, MAY 4

PENNSYLVANIA ROOM, HADDON HALL

ATLANTIC CITY
American Society for Clinical Investigation, Inc.

62ND ANNUAL MEETING

MONDAY, MAY 4

MORNING
9:00 a.m., Pennsylvania Room, Haddon Hall

FIRST BUSINESS SESSION

THE PRESIDENT'S ADDRESS

SCIENTIFIC SESSION †
Chairman: Dr. Lloyd H. Smith, Jr.

(The presentation of each paper will be limited to 10 min.)

1. Abnormal Alpha Cell Function in Diabetes. W. A. MULLER,* G. R. FALOONA,* and R. H. UNGER, Dallas, Tex. (218)
5. The Source of Abnormal Bile in Patients with Cholesterol Gallstones. D. M. SMALL and S. RAPO,* Boston, Mass. (286)

† Denotes nonmember, ASCI, AFCSR, or AAP.
‡ Denotes emeritus member ASCI or senior member AFCSR.

Names with no following symbol are active members of the society to which the abstract was submitted.

( ) Abstract number.

‡ The President gratefully acknowledges the valuable assistance of the Subsection Chairmen in the selection of this program.

10. Survival of Cultured Fibroblasts from Xeroderma Pigmentosum and Normals after Ultraviolet Irradiation. S. GOLDSTEIN,* Hamilton, Ontario, Canada (introduced by J. W. Littlefield). (114)
11. Mutation Rate of Immunoglobulin Producing Mouse Myeloma Cells In Vitro. P. COFFINO* and M. D. SCHARFF, New York. (61)

AFTERNOON
2:00 p.m., Pennsylvania Room, Haddon Hall

SECOND BUSINESS SESSION

SCIENTIFIC SESSION
Chairman: Dr. Franklin H. Epstein

15. Thromboembolism and Oral Contraceptive Medication. N. ALKJÆRSIG,* A. P. FLETCHER,** and R. BURSTEIN,* St. Louis, Mo. (7)
16. The Role of Cyclic Adenosine-3',5'-Monophosphate and Prostaglandin in Platelet Aggregation. S. M. WOLFE,* J. MUENZER,* and N. R. SHULMAN, Cleveland, Ohio, and Bethesda, Md. (335)
17. Cholesteryramine Enhances Digitalis Excretion and Protects Against Lethal Intoxication. J. H. CALDWELL* and N. J. GREENBERGER,* Columbus, Ohio (introduced by A. M. Weisssler). (50)
18. Isolation of a New Progesterone "Receptor" from Oviduct Target Tissue. B. W. O'Malley* and M. M. Rubin,* Nashville, Tenn., and Bethesda, Md. (introduced by C. R. Park**). (227)


23. Defective Cellular Immunity in Uremia: Depression of Reactivity of Lymphocytes to Phytohemagglutinin by Uremic Sera. W. M. Newberry* and J. P. Sanford, Dallas, Tex. (224)


Joint Program with the American Federation for Clinical Research, Inc.

SUNDAY AFTERNOON, MAY 3

CARDIOVASCULAR PHYSIOLOGY

2:00 p.m., Carolina Room, Chalfonte
Co-Chairmen: Dr. Richard Gorlin
Dr. Henry D. McIntosh


2. Dissociation of Cardiac Inotropic and Membrane Effects of Ouabain. P. Dempsey,* K. Kent,* and T. Cooper, Bethesda, Md. AFCR


6. Comparison of the Peripheral Vascular Effects of Glucagon, Norepinephrine, Isoproterenol, and Dopamine. G. Glick, Houston, Tex. AFCR


DERMATOLOGY

2:00 p.m., West Room, Haddon Hall
Co-Chairmen: Dr. Thomas B. Fitzpatrick
Dr. Joseph S. McGuire

1. Decreased Rate of Thymidine Incorporation into DNA of Some Xeroderma Pigmentosum Patients' Lymphocytes after Ultraviolet Irradiation In Vitro. P. G. Burk,* M. A. Lutzner, and J. H. Robbins,* Bethesda, Md. AFCR
2. The Effect of Methotrexate on DNA Synthesis in Psoriasis. G. Weinstei'n, G. Gol'dfaden,* and P. Frost, Miami, Fla. AFCR
5. Studies on Chemistry of Elastin. D. P. Varadi, Toronto, Canada (introduced by R. Volpe). AFCR
6. A Method for Distinguishing the Breakdown Products of Skin Collagen from those of Bone Collagen in Man. S. Pin nell,* R. Fox,* and S. Krane, Boston, Mass. ASCI (237)
7. Studies on “Chalone” in Epidermal Proliferation. J. Marrs* and J. Voorhees, Ann Arbor, Mich. AFCR
9. Paramyxovirus-Like Inclusions in Several Skin Diseases of Unknown Etiology. K. Hashimoto, Memphis, Tenn. AFCR

ENDOCRINOLOGY

2:00 p.m., Pennsylvania Room III, Haddon Hall
Co-Chairmen: Dr. John T. Potts, Jr.
Dr. Seymour Reichlin
1. The Rate of Extrathyroidal Conversion of Thyroxine to Triiodothyronine in Man. C. S. Pittman,* J. B. Chambers, Jr.,* and V. H. Read,* Birmingham, Ala. (introduced by T. N. James). ASCI (238)
3. Effect of Angiotensin on Adrenal and Pluaty Function in Man. S. Rayyis* and R. Horton, Los Angeles, Calif. AFCR
5. A Cyclic Adenosine-3',5'-Monophosphate-Dependent Protein Kinase from the Adrenal Cortex: Comparison with a Cyclic Adenosine-3',5'-Monophosphate-Binding Protein. G. N. Gill* and L. D. Garren, La Jolla, Calif. ASCI (108)
10. Radiimmunoassay for Human Proinsulin C-Peptide. F. Melani,* P. Over,* S. Cho,* A. H. Rubenstein, and D. F. Steiner,* Chicago, Ill. AFCR

GASTROENTEROLOGY

2:00 p.m., Windsor Room, Haddon Hall
Co-Chairmen: Dr. John S. Fordtran
Dr. Henry O. Wheeler
1. Ethanol-Induced Human Esophageal Motor Dysfunction. W. J. Hogan, S. R. V. de Andrade,* and D. H. Win-ship, Milwaukee, Wis. AFCR
5. Inhibition by Diphenylhydantoin (Dilantin) of Folic Acid Absorption in Man. C. D. Gerson,* G. W. Hener,* N. Brown,* N. Cohen,* V. Herbert, and H. D. Janowitz,** New York. ASCI (105)

11. Adenylyl Cyclase Activity of Guinea Pig Gastric Mucosa: Stimulation by Histamine and Prostaglandins. C. V. Perrier* and L. Laster, Bethesda, Md. ASCI (232)

HEMATOLOGY

2:00 p.m., Vernon Room, Haddon Hall

Co-Chairmen: Dr. Hymie L. Nossel
Dr. Robert I. Weed


2. The Interaction of 2,3-Diphosphoglycerate with Certain Human Hemoglobins. H. F. Bunn* and R. W. Briel, Bronx, N. Y., and Boston, Mass. ASCI (45)

3. In Vitro and In Vivo Modification of Human Macrophage Receptor for IgG Globulin. A. LoBuglio and J. Rinehart,* Columbus, Ohio. AFCR


7. The Immunologic Differentiation of the Antihemophilic Factor (Factor VIII) Abnormalities in Classic Hemophilia and Von Willebrand's Disease. T. S. Zimmerman,* O. D. Ratnoff,** and A. E. Powell,* Cleveland, Ohio. ASCI (339)

8. De Novo Biosynthesis of Glutathione in Extracts from Human Erythrocytes. P. W. Majorus, V. Minnich,* and D. Mohler,* St. Louis, Mo., and Charlottesville, Va. ASCI (191)


IMMUNOLOGY AND CONNECTIVE TISSUE

2:00 p.m., Rutland Room, Haddon Hall

Co-Chairmen: Dr. Edward C. Franklin
Dr. Halsted R. Holman

1. An Inactivator of Anaphylatoxin in Normal Human Serum. V. A. Bokisch* and H. J. Müller-Eberhard, La Jolla, Calif. ASCI (33)
INFECTIOUS DISEASES

2:00 p.m., Viking Room, Haddon Hall

Co-Chairmen: Dr. Robert G. Petersdorf
Dr. Jay P. Sanford

1. Bacteremia in the Pathogenesis of Ascending Pyelonephritis in the Rat. J. Fierer,* and A. I. Braude,** San Diego, Calif. ASCI (92)


4. Suppression of Interferon Response in Uremic Lymphocytes. C. V. Sanders, Jr.,* J. P. Luby, and J. P. Sanford,** Dallas, Tex. AFCR


10. Granulocyte Chemotaxis in Chediak-Higashi Syndrome (CHS). R. Clark* and H. Kimball, Bethesda, Md. AFCR


KIDNEY AND ELECTROLYTE

2:00 p.m., Pennsylvania Room II, Haddon Hall

Co-Chairmen: Dr. Howard S. Frazier
Dr. Richard M. Hays


2. Effect of Saline Infusion on Filtration Rate and Sodium Reabsorption in Single Superficial and Juxtamedullary Nephrons. R. L. Jamison,* St. Louis, Mo. (introduced by S. Wessler**). ASCI (154)


5. Sodium Chloride and Water Transport in the Descending Limb of Henle. J. P. Kokko,* Dallas, Tex. (introduced by F. C. Rector, Jr.). ASCI (168)


8. Simultaneous Measurement of Intracellular pH with a Weak Acid and a Weak Base. S. Adler, Pittsburgh, Pa. AFCR


METABOLISM

2:00 p.m., Pennsylvania Room I, Haddon Hall

Co-Chairmen: Dr. George F. Cahill
Dr. David M. Kipnis


4. The Measurement of Cyclic Nucleotides by Radioimmunoassay. A. L. Steiner, C. W. Parker, and D. M. Kipnis, St. Louis, Mo. ASCI (296)


6. On the Physiological Mechanism of Sensory Changes Produced with LSD-25. R. Henkin, Bethesda, Md. ASCI (135)

7. Inhibition of the Neuromuscular Junction by Porphobilinogen and Porphobilin as Compared with Uroporphyrins I and III. D. S. Feldman, R. D. Levere, J. S. Lieberman, R. A. Cardinal, and C. J. Watson, Brooklyn, N. Y., and Minneapolis, Minn. ASCI (89)


10. Therapeutic Effects of L-Carnitine in Experimental Intoxication with Diphtheria Toxin. D. R. Challoner, W. C. Elliott, and I. Mandelbaum, Indianapolis, Ind. (introduced by J. B. Hickam**). ASCI (56)


NEOPLASIA

2:00 p.m., Solarium, Haddon Hall

Co-Chairmen: Dr. Paul Calabresi
Dr. David P. Rall


4. Synchronization and Recruitment in Acute Leukemia. B. Lampkin, T. Nagao, A. Lichtenberg, and A. Maier, Cincinnati, Ohio. ASCI (175)

5. Transfer RNA Methylation Alterations in Polymorphonuclear Cells and Supernatant Malignantly Transformed Mouse Cells in Culture. S. E. Wright, R. C. Y. Teng, and R. C. Gallo, Bethesda, Md. AFCR

6. The Requirement of Contact in Cell-Mediated Specific Immunity to Tumor Cells. F. J. Cummings and P. Calabresi, Providence, R. I. AFCR


10. L-Asparaginase (ASP) Effect on Mouse Bone Marrow Grown In Vitro. C. Brown, G. Canellas, and P. P. Carbone, Bethesda, Md. AFCR

PULMONARY

2:00 p.m., Music Room, Chalfonte

Co-Chairmen: Dr. Stuart Bondurant
Dr. John F. Murray

1. Pulmonary Iron and Ferritin Transport. J. S. ADAMSON* and E. D. ROBIN,** Pittsburgh, Pa. ASCI (2)
5. ^3O_2 Diffusing Capacity at Rest and during Exercise in Normal Man. H. GONG,* D. MEYER,* R. HYDE, J. GIL-LESPIE,* and C. CROSS, Davis, Calif., and Rochester, N. Y. AFCR
6. The In Vivo Response of Pulmonary Tissue Water to Osmotic Transients. R. M. EFFROS,* W. Perl,* J. ARBOIT,* and F. P. CHINARD,** Newark, N. J. ASCI (83)
7. Composite and Regional Washout of Xenon Gas from the Lungs: Comparison with Nitrogen Washout. M. GUisan,* G. M. Tsi, W. L. ASHBURN,* and K. M. MOSER, La Jolla, Calif. AFCR
American Federation For Clinical Research, Inc.

27TH ANNUAL MEETING

SUNDAY MORNING, MAY 3

GENERAL MEETING

8:30 a.m., Pennsylvania Room, Haddon Hall, Dr. Eugene Braunwald, Presiding

BUSINESS SESSION

SCIENTIFIC SESSION

(The presentation of each paper will be limited to 12 min.)


2. New Evidence for Bone Marrow Stem Cell Origin of the Pulmonary Alveolar Macrophage. MARY ANN BRUNSTETTER,* JEANNE M. HARDIE,* ROBERT SHIFF,* JERRY P. LEWIS, and CARROLL E. CROSS, Davis, Calif.

3. Serum Amylase Removal. WILLIAM C. DUANE,* ROGER FRERICHS,* and MICHAEL D. LEVITT,* Minneapolis, Minn. (introduced by J. B. Carey, Jr.).

4. Phenobarbital Enzyme Induction and Bile Section in Intrahepatic Cholestasis. H. L. SHARP and B. L. MIRKIN, Minneapolis, Minn.

PRESIDENTIAL ADDRESS


INTERMISSION

SCIENTIFIC SESSION

(concluded)


7. Ectopic Production of Human Chorionic Somatomammotropin in Patients with Cancer. BRUCE D. WEINTRAUB and SAUL W. ROSEN,** Bethesda, Md.


AMERICAN FEDERATION FOR CLINICAL RESEARCH

AND

THE SOCIETY FOR PEDIATRIC RESEARCH

JOINT SPONSORSHIP OF TWO SYMPOSIA

SYMPOSIUM I   RECENT ADVANCES IN PULMONARY VASCULAR PHYSIOLOGY

Saturday, May 2, 4:00 p.m., Pennsylvania Room II, Haddon Hall, Dr. Abraham M. Rudolph, Presiding

1. The Distribution of Blood Flow in the Lung. JOHN WEST, La Jolla, Calif.


3. Hypoxic Response of Pulmonary Circulation. THOMAS LLOYD, Cleveland, Ohio.

SYMPOSIUM II   CELLULAR ENGINEERING

Saturday, May 2, 4:30 p.m., Traymore Room, Traymore Hotel, Dr. Robert A. Good, Presiding

1. Introduction to Cellular Engineering. Problems and Potentials. The Obstacle of Graft-Versus-Host Reaction. ROBERT A. GOOD, Minneapolis, Minn.

2. Successful Marrow Transplantation for Correction of Immune Deficiency. RICHARD A. GATTI, Minneapolis, Minn.

3. Matching and Typing and Albumin Gradient for Transplantation of Marrow in Minnesota and Holland. HILAIRE MEUWISSEN, Minneapolis, Minn.
SATURDAY EVENING, MAY 2

SUBSPECIALTY MEETINGS

(The presentation of each paper will be limited to 10 min.)

CARDIOVASCULAR I

7:30 p.m., Pennsylvania Room I, Haddon Hall

Dr. Edmund H. Sonnenblick, Presiding

1. Alterations in the Circulatory Response to Exercise Following a Meal and Their Relationship to Postprandial Angina Pectoris. R. E. Goldstein,* D. R. Redwood,* D. R. Rosing,* G. D. Beiser, and S. E. Epstein, Bethesda, Md.


8. N-Ethyl Maleimide-Induced Inotropism. A. H. L. From,* Minneapolis, Minn. (introduced by Y. Wang**).

CARDIOVASCULAR II

7:30 p.m., Pennsylvania Room III, Haddon Hall

Dr. Edgar Haber, Presiding

1. Comparison of the Turnover Rates of Myosins from Cardiac, Red and White Skeletal Muscles. S. Kimata* and E. Morkin, Boston, Mass.


8. Accuracy of the Electrocardiogram in Detecting Operable Mitral Stenosis. Abe Walston,* Yihong Kong, Robert Peter,* Victor Behar,* and James Morris, Jr., Durham, N. C.
CLINICAL PHARMACOLOGY

7:30 p.m., Garden Room, Haddon Hall
Dr. John A. Oates, Presiding

1. Intravenous Diazoxide in Hypertension. J. Richard Croft, F. V. V. Andreassen,* Robert L. Parks,* and David M. Heimbach,* Dallas, Tex.


3. Interactions between Digoxin and Other Drugs In Vitro and In Vivo. Harvey M. Solomon, William B. Abrams,** and Steven D. Reich,* Newark, N. J.


ENDOCRINOLOGY

7:30 p.m., Carolina Room, Chalfonte
Dr. Jesse Roth, Presiding


7. Serum Triiodothyronine Concentration in Various Thyroid Diseases. D. Bellabarba and P. Seguin,* Sherbrooke, Quebec, Canada.


GASTROENTEROLOGY

7:30 p.m., Windsor Room, Haddon Hall
Dr. Graham H. Jeffries, Presiding


2. Drug Metabolizing Enzymes in Viral Hepatitis. J. Dosht,* A. V. Opper,* and C. M. Levey,** Newark, N. J., and East Orange, N. J.


HEMATOLOGY

7:00 p.m., Vernon Room, Haddon Hall
Dr. Stanley Yachnin, Presiding


2. Altered Regulation of Deoxyribonucleotide Synthesis in B4 or Folate Deficiency. R. Silber, S. Fujikawa,* C. F. Moldow, and R. Cox, New York.

4. Increased Synthesis of Hemoglobin Gun Hill Relative to Hemoglobin A. RONALD F. RIEDE, Brooklyn, N. Y.
5. Storage of Erythrocytes in Artificial Media. LEE WOOD* and ERNEST BEUTLER,** Duarte, Calif.

NATIONAL BLOOD CLUB
9:00 p.m., Vernon Room, Haddon Hall
Oxygen Affinity and Oxygen Transport

Participants:
2. Samuel Charache, Baltimore, Md.

INFECTIOUS DISEASES
7:30 p.m., Rutland Room, Haddon Hall
M. Glenn Koenig, Presiding

5. The Antibacterial Effect of Normal and Infected Urinary Bladder. W. L. HAND,* J. W. SMITH, and J. P. SANFORD,** Dallas, Tex.

METABOLISM
7:30 p.m., Music Room, Chalfonte
Dr. DeWitt S. Goodman, Presiding

2. A Defect in the Oxidation of Citric Acid in a Patient with Congenital Lactic Acidosis. J. P. BLASS, J. D. SCHULMAN,* and D. S. YOUNG,* Bethesda, Md.
6. Insulin Resistance in Genetically Obese Hyperglycemic Mice. S. GENUTH, Cleveland, Ohio.

PULMONARY
7:30 p.m., Solarium, Haddon Hall
Dr. Kenneth M. Moser, Presiding

3. The Mechanism of Arterial Hypoxemia following Autologous In Vivo Pulmonary Thrombo-Embolism. STEVEN E. LEVY and DANIEL H. SIMMONS,** Los Angeles, Calif.
6. The Effect of K+ Depletion on Adaptation to Acute and Chronic Hypocapnia. DWIGHT MAKOFF* and BARRY ROSENBAUM, Los Angeles, Calif.
7. Cytoplasmic and Mitochondrial Redox State of the Alveolar Macrophage. SHELDON MINTZ* and EUGENE D. ROBIN,** Pittsburgh, Pa.
RENAL AND ELECTROLYTES I

7:30 p.m., Viking Room, Haddon Hall
Dr. Laurence E. Early, Presiding


RENAL AND ELECTROLYTES II

7:30 p.m., West Room, Haddon Hall
Dr. Darrell D. Fanestil, Presiding


SUNDAY EVENING, MAY 3

SUBSPECIALTY MEETINGS

(The presentation of each paper will be limited to 10 min.)

CARDIOVASCULAR I

8:00 p.m., Pennsylvania Room I, Haddon Hall
Dr. Edmund H. Sonnenblick, Presiding


CARDIOVASCULAR II

8:00 p.m., Pennsylvania Room II, Haddon Hall
Dr. Edgar Haber, Presiding


DERMATOLOGY

8:00 p.m., West Room, Haddon Hall

Dr. D. Joseph Demis, Presiding


ENDOCRINOLOGY

8:00 p.m., Carolina Room, Chalfonte

Dr. Jesse Roth, Presiding


2. “Big” Insulin: Circulating Proinsulin. B. Sherman,* P. Gordon, J. Roth, and J. Glimann,* Bethesda, Md.


GASTROENTEROLOGY

8:00 p.m., Windsor Room, Haddon Hall

Dr. Graham H. Jeffries, Presiding

1. Incorporation of Leucine into Immunoglobulins by Jejunal Biopsies of Patients with Celiac Sprue. P. M. Loer,* W. Strober, and L. Last, Bethesda, Md.


4. The Importance of In Vivo Inhibition of Intestinal Lactase by Sugars in the Pathogenesis of Lactose Intolerance. D. H. Alpers and M. N. Cote,* St. Louis, Mo.


HEMATOLOGY

8:00 p.m., Vernon Room, Haddon Hall

Dr. Stanley Yachnin, Presiding


4. Thrombin-Induced Alterations in Human Platelet Fatty Acid Metabolism. D. Deykin, Boston, Mass.


IMMUNOLOGY

8:00 p.m., Viking Room, Haddon Hall

Dr. Gordon C. Sharp, Presiding


METABOLISM

8:00 p.m., Music Room, Chalfont

Dr. DeWitt S. Goodman, Presiding

1. Hormone Effects of Cyclic 3',5'-AMP Accumulation and Lipolysis during Incubation of Fat Cells. F. Murad, V. Manganiello,* and M. Vaughan,* Bethesda, Md.


3. Effect of Nicotinic Acid on Beta Lipoprotein Metabolism. T. Langer* and R. I. Levy, Bethesda, Md.


NEOPLASTIC DISEASE

8:00 p.m., Solarium, Haddon Hall

Dr. Martin J. Cline, Presiding


6. Treatment of Chronic Granulocytic Leukemia with Bromodeoxyuridine. William B. Kremer, Donald S. Miller,* and John Laszlo, Durham, N. C.

PATIENT CARE RESEARCH

8:00 p.m., Garden Room, Haddon Hall

Dr. David Werdegar, Presiding


PULMONARY

8:00 p.m., Pennsylvania Room III, Haddon Hall

Dr. Kenneth M. Moser, Presiding


RENAL AND ELECTROLYTES

8:00 p.m., Rutland Room, Haddon Hall

Dr. Laurence E. Early, Presiding


The Association of American Physicians

83rd Annual Meeting
Tuesday, May 5

MORNING

9:00 a.m., Pennsylvania Room, Haddon Hall

General Business

The President’s Address

Scientific Session

1. Development of Primary Medical Care Programs by University Teaching Hospitals.
   A. Issues Related to Student and House Staff Teaching Programs. Eugene Vayda,* New Haven, Conn. (by invitation).

2. The Prognostic Significance of Coronary Arteriography.
   G. C. Friesinger,* E. Page,* and R. S. Ross,** Baltimore, Md.

3. Intrarenal Perfusion in the Young “Essential” Hypertensive: a Subpopulation Resistant to Sodium Restriction.
   Norman K. Hollenberg* and John P. Merrill,** Boston, Mass.

   T. J. Merring,** M. D. Siperstein,** S. E. Fineberg,* and V. A. McKusick,** Baltimore, Md., Boston, Mass., and Dallas, Tex.

5. Role of Hemoglobin Affinity for O₂ and Red Cell 2,3-DPG in Management of Diabetic Ketoacidosis.

6. Recent Advances in Fabry’s Disease.

7. Viral Hepatitis: New Light on an Old Disease.
   Saul Krugman** and Joan P. Giles,* New York.

AFTERNOON

2:00 p.m., Pennsylvania Room, Haddon Hall

Presentation of
The George M. Kober Medal
To Dickinson W. Richards

By
Andre Courmand

Scientific Session
(continued)

8. Stimulation of Mammalian Erythropoiesis by Metabolites of Steroid Hormones.

   Anthony P. Fletcher* and Norma Aljærsig,* St. Louis, Mo. (introduced by Carl V. Moore**).


11. Beta-Carotene as a Photoprotective Agent in Erythropoietic Protoporphyria.

12. Tissue Assay of Human Protein Malnutrition Using Scalp Hair Roots.

13. Effect of Large Amounts of Dietary Glutamic Acid upon Serum Lipids and Sterol Metabolism in Man.
    Robert E. Olson,** Gaetano Bazzano,* and John D’Elia,* St. Louis, Mo.

    E. L. Bierman,** D. Porte, Jr.*, and J. D. Brunzell,* Seattle, Wash.
WEDNESDAY MORNING, MAY 6
9:00 a.m., Windsor Room, Haddon Hall
ELECTION OF OFFICERS AND NEW MEMBERS
THE DISTINGUISHED LECTURE
INBORN AND ACQUIRED ABNORMALITIES OF
THE COMPLEMENT SYSTEM IN MAN
BY
K. FRANK AUSTEN
SCIENTIFIC SESSIONS
(concluded)


17. Arrest of Hyperparathyroid Bone Disease by the Use of Dihydracholesterol in Patients Undergoing Chronic Hemodialysis. Michael Kaye,* G. CHATTERJEE,* G. F. COHEN,* and S. SAGAR,* Montreal, Canada (introduced by Douglas G. Cameron**).


(Time permitting)

Exhibitors

I2 Academic Press Inc.
H2 Advanced Instruments, Inc.
H10 Amicon Corporation
E10 Appleton-Century-Crofts
C8 Behring Diagnostics, Inc.
I3 Bio-Science Laboratories
J2 Brookline Instrument Co.
F9 Cambridge Nuclear Corp.
G4 Warren E. Collins, Inc.
D2, D3 Coulter Electronics, Inc.
G8 F. A. Davis Company
H3, H4 Electronics for Medicine, Inc.
G9 Excerpta Medica Foundation
B6 Farrand Optical Co., Inc.
E5 Gilford Instrument Laboratories, Inc.
G2 Grune & Stratton, Inc.
C4 Harper & Row Publishers, Medical Department
I4 Institute for Scientific Information
F2, F3 Instrumentation Associates, Inc.
J4, J5 Instrumentation Laboratory Inc.
G3 Intercontinental Medical Book Corp.
L5 Kallestad Laboratories, Inc.
B2 Kalmic Instrumens, Inc.
H9 Lamb Engineering Associates
E4 Lea and Febiger
C1 E. Leitz, Incorporated

C3 J. B. Lippincott Company
C2 Little, Brown and Company, Medical Division
F4 The London Company
A8 The Macmillan Company
E6 Med-Science Electronics, Inc.
D5 Mennen-Greatbatch Electronics, Inc.
A2 The C. V. Mosby Company
I8 New England Nuclear, Biomedical Assay Laboratories Division
I10, J10 Nikon, Inc., Division of Ehrenreich Photo-Optical Industries, Inc.
B5 Oxford University Press, Inc.
B8, B9 Packard Instrument Co., Inc.
J7 Phipps & Bird, Inc.
C5, C6 Polaroid Corporation
F8 James Addison Potter
D4 Precision Systems
D7 Rockland, Inc.
E2, E3 W. B. Saunders Company
H8 Ivan Sorvall, Inc.
B4 Swifta Data Retrieval Company
D9 Technicon Corporation
C9 Voiceprint Laboratories, Division of Farrington Mfg. Co.
E7 The Williams & Wilkins Co.
A10 Year Book Medical Publishers

Special Area Coca-Cola USA