1971 PROGRAM

AMERICAN SOCIETY FOR

CLINICAL INVESTIGATION, INC.

63RD ANNUAL MEETING

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

MONDAY, MAY 3

PENNSYLVANIA ROOM, HADDON HALL

ATLANTIC CITY
American Society for Clinical Investigation, Inc.

63RD ANNUAL MEETING
MONDAY, MAY 3

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

FIRST BUSINESS SESSION

THE PRESIDENT’S ADDRESS

SCIENTIFIC SESSION †

Chairman: Dr. Halsted R. Holman

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


6. Host Factors in Dissemination of Herpes Zoster. D. A. Stevens* and T. C. Merigan, Stanford, Calif. (296)

† Denotes nonmember, ASCI, AFCR, or AAP.

** Denotes emeritus member ASCI or senior member AFCR.

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.


9. Specific Chemical-Enzyme Mediation of Tobacco Smoke Toxicity for Pulmonary Alveolar Macrophages (PAM). G. M. Green, G. M. Powell,* and T. G. Morris, Burlington, Vt. (131)


12. Studies on Mechanism of the Neural Lesion of Pernicious Anemia. E. P. Frenkel,* Dallas, Tex. (introduced by E. Strauss**). (111)

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

SECOND BUSINESS SESSION

SCIENTIFIC SESSION

Chairman: Dr. Kurt J. Isselbacher

13. Insulin-Receptor Interactions in Adipose Cells. P. Cua-Trecasas,* Baltimore, Md. (introduced by V. A. McKusick**). (73)

14. First Step in Insulin Action: Direct Study of Binding to Liver Receptors. P. Freychet,* J. Roth, and D. Neville,* Bethesda, Md. (112)


18. Effects of Aldosterone, Vasopressin, Ouabain, and Amiloride on an Epithelial Cell Preparation from the Toad Urinary Bladder. J. S. HANLER, A. S. PRESTON,* and J. OROFF,** Bethesda, Md. (141)

19. Mechanism of Thyroid Calorigenesis: Role of Activation of NaK-ATPase. F. ISMAIL-BEGIT* and I. S. EDelman,** San Francisco, Calif. (157)


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

SUNDAY AFTERNOON, MAY 2

CARDIOVASCULAR PHYSIOLOGY

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

Co-Chairmen: Dr. Andrew Wallace
Dr. Richard Crout


4. The Effect of Methylpoda on Plasma Renin Activity in Dogs. S. MOHAMED and P. J. PRIVITERA,* Cincinnati, Ohio. AFCR

5. Identification and Characterization of the Cardiac β-Adrenergic Receptor. R. LEFKOWITZ* and E. HABER, Boston, Mass. ASCI (193)


7. Inefficient Energy Utilization in Experimental Congestive Heart Failure. H. N. COLEMAN and J. F. GUNNING,* Rochester, Minn. AFCR

8. Familial Left Axis Deviation, Right Bundle Branch Block and Complete Heart Block: A Heritable Disorder of Cardiac Conduction. S. SCHAAI,* J. SEIDEN-STICKER,* R. GOODMAN,* and C. WOOLLEY,** Columbus, Ohio. AFCR


DERMATOLOGY

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

Co-Chairmen: Dr. Arthur Eisen
Dr. Leonard Harber

1. Solubilization and Fractionation of Epidermal Proteins. J. H. HERNDON, JR., Dallas, Tex. AFCR

2. Defective Maturation in Ichthyotic Epidermis. L. A. GOLDSMITH and H. P. BADEN, Boston, Mass. AFCR

3. Changes in the Proportion of the Two Types of Human Dermal Collagen with Aging. E. EPSTEIN, JR.* Bethesda, Md. (introduced by V. T. DEVITA). AFCR

4. In Vivo Effect of Ultraviolet Radiation on Mammalian Skin DNA. M. A. PATHAK,** D. M. KRAMER,* and A. KORNHAUSER,* Boston, Mass. AFCR
Joint meeting with AFCR SUNDAY AFTERNOON MAY 2  continued

5. Metabolism of Testosterone by Hamster Skin and Flank Organ. E. C. Gomez* and P. Frost, Miami, Fla. AFCR
7. Protection by Dithiothreitol (DTT) Against Porphyrin Photosensitization. L. Harber, B. Goldstein,* J. Hsu,* and H. Hsu,* New York. ASCI (143)
10. Immunofluorescent Antibodies to Bovine Keratohyalin. S. Guss,* W. Isler,* M. Lutzner,** and A. Ugel,* Bethesda, Md. AFCC
11. Phagocytic Capability of Langerhans' Cell Granule. K. Hashimoto, Memphis, Tenn. AFCC

ENDOCRINOLOGY

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

Co-Chairmen: Dr. Leonard Garren
Dr. Gerald Aurbach

1. Reduction of Thyroid Hormone Release by Lithium in Thyrotoxicosis. R. Temple,* M. Berman,* and J. Wolff, Bethesda, Md. ASCI (305)

GASTROENTEROLOGY

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

Co-Chairmen: Dr. John Dietsch
Dr. Irwin Arias

1. The Effect of Phenobarbital on Bile Salt Metabolism and Cholesterol Secretion in the Primate. R. N. Redinger* and D. M. Small, Boston, Mass. ASCI (255)
6. Phenobarbital (PB) Enhances the Intestinal Transport of FeSO4 and Hemoglobin-Fe* (Hgb-Fe*). F. B. Thomas* and N. J. Greenberger, Columbus, Ohio. AFCC
8. The Role of Bile Acid Micelles in Absorption of Fatty Acids Across the Intestinal Brush Border. V. L. Salter* and J. M. Dietsch, Dallas, Tex. ASCI (269)
9. Meals and the Enterohelial Circulation (EHC) of Bile Salts Affect Bile Lithogenicity. R. D. Solloway* and L. J. Schoenfield, Rochester, Minn. AFCC
10. Electrical Potential Profile of Rabbit Ileum: Effects of Theophylline and Cholera Exotoxin. N. Hirschhorn* and H. S. Frazier, Boston, Mass. ASCI (151)
11. The Mechanism of Intestinal Uptake and Transcellular Transport of IgG in the Neonatal Rat. E. A. Jones* and T. A. Waldmann, Bethesda, Md. ASCI (167)
GENETICS

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

Co-Chairmen: Dr. Kurt Hirschhorn
Dr. Charles Epstein

1. Autosomal Recessive Inheritance of Type A Renal Glycosuria. L. J. Elsas, D. Busse, and L. E. Rosenberg, New Haven, Conn., and Atlanta, Ga. AFCR

2. Globin Synthesis in Doubly Heterozygous (HETERO) $\alpha$-$\beta$ Thalassemia (THAL). Y. W. Kan, N. Granville, and D. G. Nathan, Hartford, Conn. AFCR

3. Hepatic Fructose-1,6-Diphosphatase Deficiency: A Cause of Lactic Acidosis and Hypoglycemia in Infancy. A. S. Pagliara, I. E. Karl, J. Keating, B. Brown, and D. M. Kipnis, St. Louis, Mo. AFCR


5. Thalassemia with a High Oxygen Affinity Hemoglobin. M. Steiner, Providence, R. I. AFCR


8. Metabolism of Isotopically Labeled Sulfur Amino Acids in a Patient Excreting $\beta$-Mercaptoacetate-Cysteine Disulfide. J. C. Crawhall, P. Purkiss, and J. B. Stanbury, Montreal, Canada, and Boston, Mass. ASCI (70)


10. Mild Heterozygous $\beta$ Thalassemia in Negroes. A. Braverman, P. R. McCurdy, and O. Manos, Washington, D. C. AFCR


HEMATOLOGY

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

Co-Chairmen: Dr. Charles Mengel
Dr. Ernest Beutler


3. The Erythropoietic Effect of Cyclic AMP in the Polycythemic Mouse. S. S. Bottomley, M. Z. Moore, and W. H. Whitcomb, Oklahoma City, Okla. AFCR


5. Fate of Stress Reticuloocytes: Hemolysis or Fragmentation? S. E. Come, S. B. Shohet, and S. H. Robinson, Boston, Mass. ASCI (68)

6. Glucose-Phosphate Isomerase (GPI) Deficiency Associated with Abnormal Osmotic Fragility and Spherocytes. F. Oski and E. Fuller, Philadelphia, Pa., and Louisville, Ken. AFCR

7. Participation of the Sixth Component of Complement in Normal Blood Coagulation and in the Acceleration of Coagulation Produced by Aggregated Gamma Globulin. T. S. Zimmerman, C. M. Arroyave, and H. J. Muller-Eberhard, La Jolla, Calif. ASCI (344)


IMMUNOLOGY AND CONNECTIVE TISSUE

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

Co-Chairmen: Dr. Hans Muller-Eberhard
Dr. Jonathan Uhr


2. Transformation of a Histocompatibility Immunogen into a Tolerogen. S. Ninkelman, A. Hottt, and H. Holman, Stanford, Calif. AFCR

Joint meeting with AFCR SUNDAY AFTERNOON MAY 2  continued


INFECTIONOUS DISEASES

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

Co-Chairmen: Dr. Purnell Choppin
Dr. Stephen Morse

1. Alpha-Adrenergic Receptor Mediated Inhibition of Insulin Secretion During E. Coli Septicemia in the Subhuman Primate. P. E. CRYER, C. M. HERMAN*, and J. SODE**, Bethesda, Md. AFCR
4. ICU Epidemiology of Klebsiella Colonization. W. G. JOHANSON, Jr., A. K. PIERCE, and J. P. SANFORD**, Dallas, Tex. AFCR
11. Infectious Mononucleosis: Appearance of Epstein-Barr Virus Neutralizing Activity during the Course of Disease. G. MILLER* and J. C. NIEDERMAN*, New Haven, Conn. (introduced by D. M. Horstmann**). ASCI (220)

METABOLISM

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

Co-Chairmen: Dr. James Field
Dr. Edwin Bierman

2. Turnover and Transport of Vitamin D in Human Plasma. J. E. SMITH* and D. S. GOODMAN, New York. ASCI (288)
3. Effect of Vitamin D Deficiency on the Bone Mineralization Rate. D. BAYLINK and J. WESGEDAL*, Seattle, Wash. AFCR
5. Impaired Removal of Very Low Density Lipoprotein (VLDL) "Remnants" in the Pathogenesis of Broad-β Disease (Type III Hyperlipoproteinemia). W. R. ZAVERI and E. L. BIERMAN, Seattle, Wash. AFCR
Joint meeting with AFCR SUNDAY AFTERNOON MAY 2

continued

7. Regulation of Cholesterol Storage in White Adipose Tissue. A. Angel* and J. Farkas,* Toronto, Canada (introduced by C. H. Hollenberg). ASCI (8)


9. Hypoalaninemia: The Cause of Ketotic Hypoglycemia of Childhood. A. Paggiara,* L. Karl,* D. Devivo,* R. Feigin,* and D. Kipnis, St. Louis, Mo. ASCI (244)


NEOPLASIA

2:00 p.m., Seaside Motel

Co-Chairmen: Dr. Elliott Osserman
Dr. Phil Gold

1. Skin Reactivity in Cancer Patients: Impaired Delayed Hypersensitivity (DH) or Faulty Inflammatory Response? M. W. Johnson,* H. I. Maibach,* and S. E. Salmon, San Francisco, Calif. AFCR


3. In Vitro Leukocyte Interferon Production as a Test of Immune Function in Patients with Hodgkin's Disease. A. L. R. Pidou* and O. R. McIntyre, Hanover, N. H. AFCR


6. The Effect of Cyclic AMP on Syngeneic Tumor Immunity. P. G. Rigby, Omaha, Nebr. AFCR


9. Dose Dependent Vincristine Effects. N. B. McWilliams,* A. M. Maurer,** and B. C. Lampkin, Cincinnati, Ohio. AFCR

10. Discordant Secretion of Placental Alkaline Phosphatase (PAP), Chorionic Gonadotropin (HCG) and Somatomammotropin (HCS) in Patients with Cancer. H. Sussman, S. W. Rosen,** and B. D. Weintraub, Palo Alto, Calif., and Bethesda, Md. AFCR


PULMONARY

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

Co-Chairmen: Dr. Jay Nadel
Dr. Arend Bouhuys


3. The Duration of Ultrastructural Changes in Human Alveolar Macrophages After Cessation of Cigarette Smoking. P. E. G. Mann* and T. N. Finley,** San Francisco, Calif. AFCR


5. Physiologic Characterization of Papain Emphysema in the Rat. W. G. Johnson, Jr., A. K. Pierce, and R. L. Johnson, Jr., Dallas, Tex. AFCR


7. Biosynthesis of Pulmonary Surfactant. R. Pawloski, M. F. Pappadona, B. Charns,** M. Abrams, and C. Corbusier,* Cleveland, Ohio. AFCR

8. Effect of Bilateral Carotid Body Resection on Ventilatory Control During Rest and Exercise in Man. R. L. Magliani,* B. Whipp,* and K. Wasserman,** Torrance, Calif., and Los Angeles, Calif. AFCR


11. Frequency Dependence of Intrapulmonary Distribution of 133Xe. R. R. Martin* and N. R. Anthonsen,* Montreal, Canada (introduced by D. V. Bates**). ASCI (215)
RENAL AND ELECTROLYTES
2:00 p.m., Carolina Room, Chalfonte

Co-Chairmen: Dr. Roy Maffly
Dr. Floyd Rector

1. Role of Bence Jones and Other Urinary Proteins in Renal Dysfunction. H. Preuss,* F. Weiss,* R. Iammarino,* W. Hamack, and H. V. Murbaugh, Pittsburgh, Pa. ASCI (248)


3. Effect of Peritubular Oncotic Pressure on Reabsorption of Sodium and Water in Isolated Perfused Proximal Tubule. M. Imai* and J. P. Kokko,* Dallas, Tex. (introduced by D. W. Seldin**). ASCI (156)


5. Relationship Between Intrarenal Control of Sodium Reabsorption and Renin Secretory Activity (RSA). M. H. Humphreys,* I. A. Reid,* R. C. Ufferman,* and L. E. Earley, San Francisco, Calif. ASCI (155)


7. Effect of Elevated Intratubular Pressure (ITP) on Renal Tubular Permeability. W. B. Lorentz, Jr.,* W. E. Lassiter, and C. W. Gottschalk,** Chapel Hill, N. C. ASCI (205)

8. The Effect of Peritubular Capillary Flow Rate and Pressure on Glomerulotubular Balance. T. Wada,* H. S. Aynejian,* and N. Bank, New York. ASCI (319)


10. Effect of Carbonic Anhydrase Inhibition (CAI) by Benzoamide (CL-11,366) on NaCl and NaHCO3 Reabsorption in Rat Proximal Tubule. R. Kunau,* Minneapolis, Minn. (introduced by L. Tobian**). AFCR

AMERICAN FEDERATION FOR CLINICAL RESEARCH
AND
THE SOCIETY FOR PEDIATRIC RESEARCH
JOINT SPONSORSHIP OF TWO SYMPOSIA

SYMPOSIUM I: AMNIOCENTESIS IN THE PREVENTIVE CONTROL OF HEREDITARY DISEASES

Saturday, May 1, 4:00 p.m., Pennsylvania Room I, Haddon Hall

Dr. J. Edwin Seegmiller, Presiding


SYMPOSIUM II: FACTORS IN CHILDHOOD THAT INFLUENCE THE DEVELOPMENT OF ATHEROSCLEROSIS AND HYPERTENSION

Saturday, May 1, 4:00 p.m., Traymore Room, Traymore Hotel

Dr. Donald S. Fredrickson, Presiding

2. Dietary Studies in Infants with Familial Type II Hyperlipoproteinemia. Charles J. Glueck, Cincinnati, Ohio.
THE AMERICAN FEDERATION FOR CLINICAL RESEARCH
SYMPOSIUM
DRUG ABUSE

Saturday, May 1, 4:00 p.m., Pennsylvania Room II, Haddon Hall
Co-Chairmen: Dr. Daniel X. Freedman
Dr. Robert J. Levine

4. Panel Discussion. DRS. FREEDMAN, LEVINE, MUSTO, HOLLISTER, and JAFFE.

SATURDAY EVENING, MAY I
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. Francois M. Abboud, Presiding

3. Alterations in the Baroreceptor Reflex in Conscious Dogs with Congestive Heart Failure. CHARLES B. HIGGINS,* STEPHEN F. VATNER, DWAIN L. EKBERG,* DEAN FRANKLIN,* and EUGENE BRAUNWALD,** San Diego, Calif.
8. Angiotensin's Inotropic and Mitochondrial Effects. THEODORE GOODFRIEND, DAVID ALLMANN,* KENNETH KENT,* PETER DEMPESEY,* and THEODORE COOPER, Madison, Wis., Indianapolis, Ind., and Bethesda, Md.

CARDIOVASCULAR II
8:00 p.m., Pennsylvania Room III, Haddon Hall
Dr. J. Thomas Bigger, Jr., Presiding

1. Regional Myocardial Blood Flow during Angina Pectoris and after Nitroglycerin. ATTILIO MASERI, PAOLO MANCINI,* PAOLO PISANI,* ANTONIO L'ABBATE,* ANTONIO PESOLA,* CARLO CONTINI,* GLAUCO MAGINI,* and LUIGI DONATO,* Pisa, Italy.
3. Serum Cortisol and Plasma Free Fatty Acids As Prognostic Indicators in Acute Myocardial Infarction. RAVI FRANKASH,* MATIJA HORVAT,* JAMES FORRESTER,* and WILLIAM W. PARMLEY,** Los Angeles, Calif.
4. The Source of Serum Creatine-Phosphokinase After Experimental Myocardial Infarction. LOUIS COHEN,** CYNTHIA JELINEK,* RAUL FALICOV, and LEON RESNEKOV,** Chicago, Ill.
CLINICAL PHARMACOLOGY

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

Dr. Kenneth L. Melmon, Presiding

1. Serial Serum Digitalis Levels in Patients with Acute Myocardial Infarction. JOHN MORRISON* and THOMAS KILLIP,** New York.


ENDOCRINOLOGY

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

Dr. Robert L. Ney, Presiding


6. The Value of Serum Ionized Calcium in the Diagnosis of Normocalcemic and Hypercalcemic Primary Hyperparathyroidism. J. C. LOW,* M. SCHAFF,** J. M. EARLL,** J. T. PIECHOCKI,* and T. K. LI,* Washington, D. C.

7. The Biosynthesis of Human Growth Hormone and Prolactin. P. HWANG,* H. GUYYA,* and H. FRIESEN, Montreal, Canada.

8. Divergent Effects of Medroxyprogesterone Acetate on Growth Hormone and Prolactin in the MTW15 Tumor Bearing Rat. W. B. MALARKKEY* and W. H. DAUGHA DAY,** St. Louis, Mo.

GASTROENTEROLOGY

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

Dr. James E. McGuigan, Presiding


4. Liver Injury and Immunologic Hyperactivity. MICHAEL SORRELL* and CARROLL M. LEVY,** Newark, N. J.


HEALTH CARE

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

Dr. Donald C. Riedel, Presiding

1. The Clinical Specialist in Gynecology As a Component of the Optimal Health Care System. DAVID E. COPHER,* Indianapolis, Ind. (introduced by D. R. Challoner).


HEMATOLOGY

7:00 p.m., Windsor Room, Haddon Hall

Dr. James W. Hampton, Presiding


NATIONAL BLOOD CLUB

9:00 p.m., Windsor Room, Haddon Hall

Immunologic Deficiency Diseases

2. The Immunologic Deficiency Diseases. Robert A. Good, Minneapolis, Minn.

INFECTION DISSEASES

8:00 p.m., Seaside Motel

Dr. Thomas C. Merigan, Presiding

1. Urinary Immunoglobulin and Antibody Activity. J. W. Smith, W. L. Hand, and J. P. Sanford,** Dallas, Tex.
2. Glomerular Lesions Produced in Rabbits by Homologous Serum and Homologous IgG Treated with β-Hemolytic Streptococcus. Rawle M. McIntosh* and Donald B. Kaufman,* Los Angeles, Calif. (introduced by F. G. Smith, Jr.).
7. Surface Manifestations of Antibiotic-Induced Alterations in Protein Synthesis in Bacterial Cells. Albert S. Kleinman and Robert L. Perkins, Columbus, Ohio.

METABOLISM

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

Dr. Jean D. Wilson, Presiding

1. Physicochemical Basis for the Formation of Calcium-Containing Renal Stones. Charles Y. C. Pak, Hibbard E. Williams, and Belle Ruskin,* San Francisco, Calif., and Bethesda, Md.
4. Tolbutamide: An Inhibitor of Cyclic AMP Phosphodiesterase in Islet Cells and Other Tissues. IRA D. GOLDFINE, JESSE ROTH, ROBERT L. PERLMAN, and JOSEPH MUIENZER, Bethesda, Md.


PULMONARY

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

Dr. Ronald F. Coburn, Presiding


4. Demonstration of Flow Limiting Segment in Excised Lungs. JAMES FRIEND* and JOHN BUTLER,** Seattle, Wash.


8. Increased Pulmonary Diffusion Capacity With Elevated Cerebrospinal Fluid Pressure. RICHARD E. BRASHEAR and ROSOLFO L. PAMINTUAN,* Indianapolis, Ind.

RENAI AND ELECTROLYTES I

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

Dr. Thomas F. Ferris, Presiding

1. Effect of Cyclic AMP and Sympathomimetic Amines on Renin Secretion and Renal Hemodynamics. NATHANIEL WINER and WALTER WALKERHORST,* Kansas City, Mo.

2. PGE2 Stimulation of H-Thymidine Incorporation into Renal Slice DNA. M. V. RAGNI* and H. G. PREUSS, Pittsburgh, Pa. (introduced by H. V. Murdough).

3. Dissociation of Increased Filtered Load from Compensatory Renal Growth in Ureteral Diversion. E. WEINMANN,* K. RENQUIST,* R. STROUB,* M. KASHGARIAN, and J. HAYSLIE, NEW Haven, Conn.


RENAI AND ELECTROLYTES II

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

Dr. James R. Clapp, Presiding


7. Evidence for Functional Nephron Heterogeneity. JAY H. STEIN, ROLANDO C. CONGALAY,* RICHARD W. OSGOOD,* and THOMAS F. FERRIS, Columbus, Ohio.

THE AMERICAN FEDERATION FOR CLINICAL RESEARCH SYMPOSIUM

THE LARGE SCALE CLINICAL TRIAL: PRINCIPLES AND PROBLEMS

Sunday, May 2, 8:00 p.m., Pennsylvania Room III, Haddon Hall

Chairman: Dr. Louis C. Lasagna

1. The University Group Diabetes Program Study. CHRISTIAN R. KLIMT, Baltimore, Md.
2. Effects of Treatment on Morbidity in Hypertension—the Veterans Administration Cooperative Study. EDWARD D. FRIES, Washington, D. C.
3. General Considerations in Study Design. LOUIS LASAGNA, Rochester, N. Y.

SUNDAY EVENING, MAY 2

SUBSPECIALTY MEETINGS

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

CARDIOVASCULAR I

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

Dr. Francois M. Abboud, Presiding

1. Effect of Prostaglandins on Guinea Pig Myocardial Adenyl Cyclase. IRWIN KLEIN* and GERALD S. LEVEY, Miami, Fla.
2. Effect of Prostaglandin A1 on Several Vascular Beds in Man. H. B. BARNER, G. C. KAISER, and J. B. LEE, St. Louis, Mo.

CARDIOVASCULAR II

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

Dr. J. Thomas Bigger, Jr., Presiding

1. Bilateral Bundle Branch Block As a Common Cause of Complete Heart Block. TSUNG O. CHENG**, Washington, D. C.
3. Sino-Atrial Entrance Block. BRUCE N. GOLDBREY and ANTHONY N. DAMATO, Staten Island, N. Y.
6. Intracardiac Defibrillation. BERNARD L. CHARMS, ALAN MILLER*, and ARTHUR KRAMER*, East Cleveland, Ohio.

DERMATOLOGY

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

Dr. Sidney N. Klaus, Presiding

4. Evidence for the Site of Action of Light on \(^{14}C\)-Acetate Incorporation into Human Skin Sterols. HOMER S. BLACK,* J. D. SMITH,* B. L. HELD,* and E. B. SMITH, Houston, Tex.

5. Photosensitive Cheilitis. ROBERT RICH,* CHARLES KIRKPATRICK, and ALAN ROSENSHTEIN, Bethesda, Md.


ENDOCRINOLOGY

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

Dr. Robert L. Ney, Presiding

1. The Significance of Triiodothyronine in Maintenance of Euthyroid Status After Treatment of Hyperthyroidism. KENNETH STELTING,** MILTON A. BRENNER,* EDWARD S. NEWMAN,* and DIEGO BELLAVARDA, New York.

2. A Simple Test for Selecting the Appropriate Thiouamide Regimen in Thyrotoxicosis. H. V. BARNES* and T. BLEDSOE, Baltimore, Md.


GASTROENTEROLOGY

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

Dr. James E. McGuigan, Presiding


2. The Role of Micelle Uptake During Bile Acid and Fat Absorption by the Intestinal Mucosa. FREDERICK A. WILSON* and JOHN M. DIETSCHY, Dallas, Tex.


5. Serotonin Inhibition of Gastrin Induced Gastric Acid Secretion. D. H. WINSHIP and T. J. SHUCK,* Columbia, Mo.


HEMATOLOGY

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

Dr. James W. Hampton, Presiding

1. Heparinase as a Reagent to Clear Heparin from Plasma Samples. HENRY S. KINGDON, Chicago, Ill.


4. A Radioimmunoassay Method for Serum Vitamin B\textsubscript{12} Using Antibody to Intrinsic Factor. HARVEY I. SPECTOR* and RICHARD K. DONABEDIAN, New Haven, Conn.


6. Quantitaiton of Marrow Granulocyte Precursors. JOHN NORTHUP,* JOAN BULL,* and PAUL P. CARBONE, Bethesda, Md.

IMMUNOLOGY

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

Dr. Fred S. Rosen, Presiding


**METABOLISM**

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

Dr. Jean D. Wilson, Presiding


2. The Metabolism of Mevalonic Acid by the Kidney. P. Raskin and M. D. Siperstein,** Dallas, Tex.


4. Woman’s Disease: Demonstration of Lipid Accumulation and Acid Lipase Deficiency and Their Apparent Correction In Vitro in Cultured Fibroblasts. E. C. Kyriakides,* Betty Paul,* and J. A. Balint,** Albany, N. Y.


**NEOPLASTIC DISEASE**

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

Dr. Joseph R. Bertino, Presiding


5. Pulmonary Function Changes in Patients Treated with Bleomycin. Charles S. LaMonte,* Alan Yagoda,* and Irwin H. Krakoff,** New York.

6. Effects of Treatment on Total Body Tumor Cell Number in Multiple Myeloma. Sydney E. Salmon and Peter W. Sullivan,* San Francisco, Calif.

**PULMONARY**

8:00 p.m., Seaside Motel

Dr. Ronald F. Coburn, Presiding


**RENAI AND ELECTROLYTES**

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

Dr. Thomas F. Ferris, Presiding


4. A Possible Role of Adenyl Cyclase in the Regulation of Parathyroid Activity by Calcium. L. R. Dufresne,* R. Andersen,* and H. J. Gitelman,** Chapel Hill, N. C.

5. Regulation of Renal Medullary Ammonia Production. A. David Goodman, Albany, N. Y.

The Association of American Physicians

84TH ANNUAL MEETING

TUESDAY, MAY 4

MORNING

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

GENERAL BUSINESS

THE PRESIDENT'S ADDRESS: Ludwig W. Eichna

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

1. Long-Term Juvenile Diabetes and Unmeasured Diet. Harvey C. Knowles, Jr., Cincinnati.
4. Insulin/Glucagon Ratio. R. Unger, W. Muller, and G. Faldona, Dallas (introduced by Marvin S. Perisen.

AFTERNOON

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

PRESENTATION OF

THE GEORGE M. KOBER MEDAL 
TO W. BARRY WOOD, JR.

BY

CARL V. MOORE

12. Evolutionary Aspects of Bacterial Resistance to Chlomphenicol. W. V. Shaw, Miami (introduced by Harvey Blank).
EVENING

6:30 p.m., Garden Room, Lounge Floor, Haddon Hall
7:30 p.m., Vernon Room, Lounge Floor, Haddon Hall

ADDRESS: Robert J. Claser

THE CHANGING DIMENSIONS OF THE PROBLEMS OF MEDICINE

WEDNESDAY, MAY 5

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

ELECTION OF OFFICERS AND NEW MEMBERS

THE DISTINGUISHED LECTURE

MECHANICS AND ENERGETICS OF THE NORMAL AND FAILING HEART

BY EUGENE BRAUNWALD


21. Functions of Renal Papilla. LOUIS TOBIAN, Jr., and S. AZAR,* Minneapolis.

22. Coupling of Hypotensive and Anti-Parkinson Effects with Two Dopaminergic Drugs. S. E. DÜBY,* L. K. DAHL,* and GEORGE C. COTZIAS, Upton, N. Y.

23. Metabolism of Adenosine-5'-Monophosphate During Circulation through the Lungs. J. W. RYAN* and U. SMITH,* Miami (introduced by William J. Harrington).


To be read by title

(Members§] listed alphabetically)


32. Radioimmunoassay of Plasma Vasopressin in Man. G. L. ROBERTSON, Chicago (introduced by Morton D. Bogdons§).


36. The Renal Medulla and the Antihypertensive Function of the Kidney. E. E. MUIRHEAD, B. BROOKS, G. B. BROWN, B. E. LEACH, L. W. BYERS, and J. A. PITCOCK, Memphis (introduced by D. A. Brody§).


42. Local and Systemic Hypermetabolism of Third Complement Component (C3) in Rheumatoid Arthritis (RA). S. RUDI, HANS J. MÜLLER-EBERHARD,§ and K. FRANK AUSTIN,§ Boston and La Jolla.


45. A Working Hypothesis For the Pathophysiology of Kaliopenic Nephropathy. J. B. Lee and H. Kannegiesser, St. Louis (introduced by T. F. Frawley§).


51. Structural Differences in Thyroglobulin as a Cause of Heterogeneity in Thyroid Iodine Turnover. I. Kobayashi and M. A. Green,§ Portland.

52. The Regulation of Human Interferon and Its High Level Production. M. Ho, Y. H. Tan, and J. A. Armstrong, Pittsburgh (introduced by W. McD. Hammon§).

53. Assessment of Etiology of Pulmonary Disease of U. S. Coal Miners. Harriet L. Hardy§ and J. D. Stoeckle, Boston.


58. Bilirubin Secrecion in Intrahepatic Pigment Lithiasis. R. H. Palmer, Y. C. Tsai, M. F. Lin, and C. C. Wen, Chicago and Taiwan (introduced by Leon O. Jacobson§).


60. Evolution of an Urban Heroin Epidemic and Influence of a Drug Treatment Program. R. L. DuPont and T. E. Piemme, Washington (introduced by Wallace N. Jensén§).


64. Lymphocytotoxic Antibodies in Systemic Lupus Erythematosus and Other Connective Tissue Disorders. W. T. Butler, J. T. Sharp, R. D. Rossen, K. K. Mittal, and M. D. Lidsky, Houston (introduced by Vernon Knight§).


69. Bone Cell Calcium in Metabolic Bone Disorders. G. Nichols, Jr.§ and B. Flanagan, Boston.


71. Obfuscation of Susceptibility by Culture Media. P. D. Hore prick, A. L. Barry, and P. D. Finn, Davis (introduced by Philip Y. Paterson§).

72. Initial Medical Care Utilization in an Experimental Group Practice. G. T. Perkoff§ and J. M. Dickler, St. Louis and New York.


82. Cell Wall Defective Bacterial Forms in Patients with Arthritis. P. Charache and A. B. McKusick, Baltimore (introduced by Philip A. Tumulty§).


85. Association of Red Cell Transport Defect and a Diminished Number of Ouabain Binding Sites. F. Wei, R. Burgos, T. Maynard (by invitation), and L. G. Welt;§ Chapel Hill.

## Exhibitors

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**Special Area**

Coca-Cola USA

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*Note: The number of booths and exhibitors varies across different events and locations.*