AMERICAN SOCIETY FOR

CLINICAL INVESTIGATION

67TH ANNUAL MEETING • INCLUDING PROGRAMS FOR
THE AMERICAN FEDERATION FOR CLINICAL RESEARCH
AND THE ASSOCIATION OF AMERICAN PHYSICIANS

1975 PROGRAM

MAY 3–6 • HADDON HALL • ATLANTIC CITY

67th Annual Meeting of The American Society for Clinical Investigation ii
32nd Annual Meeting of The American Federation for Clinical Research v
88th Annual Meeting of The Association of American Physicians xxxv
Program

Sixty-seventh Annual Meeting
THE AMERICAN SOCIETY FOR CLINICAL INVESTIGATION
Pennsylvania Room, Haddon Hall
Atlantic City, New Jersey
MONDAY, MAY 5, 1975

(Time for presentation of each paper will be limited to 10 minutes)

MORNING SESSION 9:00 A.M.

First Business Session 9:00 A.M.

Presidential Address
Eugene Braunwald

Scientific Session
Eugene Braunwald, Presiding

1. ABSENCE OF A COBALAMIN BINDING PROTEIN IN CULTURED FIBROBLASTS FROM PATIENTS WITH DEFECTIVE COBALAMIN COENZYME SYNTHESIS. L. E. Rosenberg and L. Patel.* New Haven, Connecticut. page 399A

2. THE MOLECULAR BASIS OF THE α-TALASSEMIA SYNDROMES. Y. W. Kan,* A. M. Dozy, H. E. Varmus,* J. M. Taylor,* J. P. Holland,* L. E. Lie-Injo,* J. Ganesan,* and D. Todd,* (Intr. by H. E. Williams), San Francisco, California, and Hong Kong. page 398A

3. EXPRESSION OF HUMAN GLOBIN GENES IN INTERSPECIES SOMATIC CELL HYBRIDS. A. Deisseroth,* R. Velez,* W. F. Anderson, and A. Nienhuis,* Bethesda, Maryland. page 398A

4. ACETYLATION OF A PROTEIN OF HUMAN PLATELETS BY ASPIRIN. G. J. Roth* and P. W. Majerus, St. Louis, Missouri. page 406A

5. ABNORMAL VITAMIN B₆ METABOLISM IN SIDEROBLASTIC ANEMIA: EFFECT OF PYRIDOXAL PHOSPHATE THERAPY. J. D. Hines and D. Love (Intr. by C. H. Rammelkamp**), Cleveland, Ohio. page 403A

6. A NEW MACROPHAGE ACTIN-BINDING PROTEIN: EVIDENCE FOR ITS ROLE IN ENDOCYTOSIS. T. P. Stossel* and S. H. Pincus* (Intr. by D. G. Nathan), Boston, Massachusetts. page 407A

7. LEAKY LEUKOCYTES IN FAMILIAL MEDITERRANEAN FEVER. M. C. Territo,* R. S. Peter,* and M. J. Cline, Los Angeles, California. page 418A

8. EFFECT OF ACUTE AMMONIA INTOXICATION ON CEREBRAL METABOLISM IN RATS WITH PORTACAVAL SHUNTS. T. E. Duffy,* B. Hindfelt,* and F. Plum,** New York, New York. page 393A

9. THE PATHOGENESIS OF ARTHRITIS ASSOCIATED WITH ACUTE AND CHRONIC ACTIVE HEPATITIS: COMPLEMENT SEQUENCE ACTIVATION AND CHARACTERIZATION OF CIRCULATING IMMUNE COMPLEXES. J. R. Wands,* E. Alpert, and K. J. Isselbacher,** Boston, Massachusetts. page 397A

10. CATACHOLAMINE INDUCED SUBSENSITIVITY OF ADENYLYL CYCLASE COUPLED β-ADRENERGIC RECEPTORS. C. Mukherjee,* M. G. Caron,* and R. J. Lefkowitz* (Intr. by J. B. Wyngaarden), Durham, North Carolina. page 389A

11. PHYSIOLOGIC FUNCTION AND STRUCTURE OF A STERIOD HORMONE RECEPTOR PURIFIED TO HOMOGENEITY. R. E. Buller,* R. W. Kuhn,* W. T. Schrader,* and B. W. O'Malley,** Houston, Texas. page 387A


*By invitation.
**Senior member.
13. PREVENTION AND REVERSAL OF HUMAN DIABETIC KETOACIDOSIS BY SOMATOSTATIN: EVIDENCE FOR AN ESSENTIAL ROLE OF GLUCAGON. J. E. Gerich,* M. Lorenzi,* E. Tsalikian,* V. Schneider,* J. H. Karam,* D. Bier,* and P. H. Forsham,** San Francisco, California. page 421A


15. IDENTITY AND CYTOTOXIC CAPACITY OF CELLS INFILTRATING RENAL ALLOGRAFTS. T. B. Strom,* C. B. Carpenter, N. L. Tilney,* and G. J. Busch,* Boston, Massachusetts. page 413A

16. TUMOR SPECIFIC ANTIGENS IN HUMAN MULTIPLE MYELOMA. M. R. MacKenzie* and T. Paglieroni* (Intr. by P. Gulyassy), Davis, California. page 425A

17. MICROVILLI ON CANCER CELLS CAUSE INCREASED AGGLUTINABILITY AND ARE MODULATED BY CYCLIC ADENOSINE MONOPHOSPHATE. M. C. Willingham* and I. Pastan,** Bethesda, Maryland. page 426A

18. JEJUNAL AND ILEAL MALABSORPTION OF CALCIUM IN PATIENTS WITH CHRONIC RENAL DISEASE ON HEMODIALYSIS: CORRECTION OF THE DEFECT BY 1α-HYDROXY VITAMIN D. P. Vergne-Marini,* C.Y.C. Pak, T. F. Parker,* A. R. Hull,* H. F. DeLuca,* and J. S. Fordtran, Madison, Wisconsin, and Dallas, Texas. page 434A


20. PULMONARY CAPILLARY LEUKOSTASIS: A COMPLEMENT MEDIATED COMPLICATION OF HEMODIALYSIS. P. Craddock,* J. Fehr,* K. Brigham,* and H. Jacob, Minneapolis, Minnesota, and Nashville, Tennessee. page 402A


23. PREDICTION OF INFLAMMATORY ACTIVITY IN INTERSTITIAL PNEUMONITIS BY BRONCHOFIBERSCOPIC PULMONARY LAVAGE. G. S. Davis,* A. R. Brody,* J. N. Landis,* W. G. B. Graham,* J. E. Craighead,* and G. M. Green, Burlington, Vermont. page 427A

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**1975 Programs · ASCI-AFCR-AAP**
SYMPOSIUM

THE AMERICAN FEDERATION FOR CLINICAL RESEARCH

Presents a Symposium

“TOWARD A DEFINITION OF FETAL LIFE: ETHICAL AND LEGAL OPTIONS AND THEIR IMPLICATIONS FOR BIOLOGISTS AND PHYSICIANS”

Saturday, May 3, 1975, 3:00 P.M.

Pennsylvania Room II, Haddon Hall

Chairperson: Robert J. Levine, Yale University School of Medicine, New Haven, Connecticut

Participants:
1. JOHN C. FLETCHER, President, Interfaith Metropolitan Theological Education, Inc., Washington, D.C.
2. ALEXANDER M. CAPRON, Assistant Professor, University of Pennsylvania Law School, Philadelphia, Pennsylvania.
3. MAURICE J. MAHONEY, Associate Professor, Human Genetics and Pediatrics, Yale University School of Medicine, New Haven, Connecticut.
4. BERNARD L. MIRKIN, Professor, Pediatrics and Pharmacology, University of Minnesota, Minneapolis, Minnesota.

The purpose of this Symposium is to expose and explore the issues involved in developing formal definitions of the beginning and end of fetal life. The timeliness of this Symposium in relation to formation of public policy is discussed in an editorial in CLINICAL RESEARCH (April 1975). Dr. Fletcher will present, from his perspective as an ethicist, the options and alternatives that are available. Professor Capron will survey the law as it is now and the options that exist for its further evolution. The next two speakers will analyze the implications of developing as public policy the various options suggested by the first two: How might such public policy influence the future of not only clinical investigation but also the practice of medicine? Dr. Mahoney will focus on the future development of diagnostic techniques, genetic counseling, and non-pharmacological therapy. Dr. Mirkin will discuss the impact of public policy on the development of rational drug therapy for pregnant women and children. An attempt will be made to develop an understanding of the relative costs and benefits both to individuals and to society of developing as public policy each of the various proposed definitions.

Each formal presentation will last 20 to 25 minutes; the general discussion, which will follow the fourth presentation, will end no later than 5:45 P.M.
Program

Thirty-second Annual Meeting
THE AMERICAN FEDERATION FOR CLINICAL RESEARCH
Pennsylvania Room, Haddon Hall
Atlantic City, New Jersey
SUNDAY, MAY 4, 1975

GENERAL SESSION

Robert A. Kreisberg, Presiding
Business Session 8:30 A.M.
Scientific Session 9:00 A.M.

1. 5-FUOROURACIL, ADRIAMYCIN AND CYCLO-
PHOSPHAMIDE COMBINATION CHEMO-
THERAPY FOR METASTATIC BREAST CANCER.
G. R. Blumenschein,* J. O. Cardenas,* R. B. Livings-
ton, L. H. Einhorn, E. J. Freireich,** and J. A.
Gottlieb, Houston, Texas, and Indianapolis, Indiana.

2. EFFECT OF HYPEROXIA ON 5-HYDROXY-
TRYPTAMINE UPTAKE BY NORMAL AND VITA-
MIN E DEFICIENT RAT LUNGS. E. R. Block* and

3. COMPLEMENT AND IMMUNOGLOBULINS
STIMULATE SUPEROXIDE PRODUCTION BY
HUMAN LEUKOCYTES INDEPENDENTLY OF
PHAGOCYTOSIS. I. M. Goldstein, D. Roos,* H.
Kaplan,* and G. Weissmann,** New York, New
York.

4. STEROIDS AND HEMATOPOIESIS: DIFFERENT
TARGET CELLS FOR ANDROGENIC AND NON-
ANDROGENIC STEROIDS. J. W. Singer* and J. W.
Adamson, Seattle, Washington.

5. EVALUATION OF EXTERNAL PRESSURE
CIRCULATORY ASSIST IN ACUTE MYO-
CARDIAL INFARCTION. J. V. Messer,** J. T.
Willerson, H. S. Loeb, J. M. Criley,** E. A. Amster-
dam, J. S. Banas, and Collaborating Investigators,
Chicago, Illinois.

6. DECREASED GLUCAGON TURNOVER: MECH-
ANISM OF HYPERGLUCAGONEMIA AND GLU-
COSE INTOLERANCE IN UREMIC DIALYSIS PATIENTS.
R. Sherwin,* M. Fisher,* C. Bastl,* R. Hendler, H. Black,* F. O.
Finkelstein, and P. Felig, New Haven, Connecticut.

7. EVIDENCE THAT FIXED NEGATIVE CHARGES
ON THE GLOMERULAR CAPILLARY WALL
CONTRIBUTE TO RESTRICTION TO ALBUMIN
TRANSPORT. W. M. Deen,* R. L. Chang,* C. R.
Robertson,* and B. M. Brenner, San Francisco, Cali-
fornia.

8. PLASMA CONCENTRATION AND RENAL
CLEARANCE OF PROCAINAMIDE AND ITS
ACETYLATED METABOLITE IN MAN. M. M.
Reidenberg, D. E. Drayer,* M. Levy,* and H.

9. IS AROMATIZATION OF TESTOSTERONE TO
ESTRADIOL REQUIRED FOR LUTEINIZING
HORMONE SUPPRESSION IN MEN? R. J. Santen,
Hershey, Pennsylvania.

10. FAILURE OF BILE SALT TO REGULATE
GLUCONEOGENESIS IN THE LIVER. A. Cooper and S. Leu,* Stanford,
California.

*By invitation.
**Senior member, AFCR.

Intermission

1975 Programs - ASCI-AFCR-AAP v
Program—Subspecialty Meetings

Sponsored by

THE AMERICAN FEDERATION FOR CLINICAL RESEARCH

Chalfonte-Haddon Hall and LaFayette Hotels

Atlantic City, New Jersey

SATURDAY EVENING, MAY 3, 1975

Cardiovascular I,† Carolina Room, Chalfonte
Cardiovascular II, Music Room, Chalfonte
Clinical Epidemiology and Health Care Research,† Solarium, Haddon Hall
Endocrinology I,† Rutland Room, Haddon Hall
Gastroenterology I, Pennsylvania Room II, Haddon Hall
Hematology I, Windsor Room, Haddon Hall
Immunology and Connective Tissue I, Pennsylvania Room I, Haddon Hall

Infectious Disease I,† Pennsylvania Room III, Haddon Hall
Metabolism I, Vernon Room, Haddon Hall
Oncology, Garden Room, Haddon Hall
Pulmonary I,† Teakwood Room LaFayette
Renal and Electrolyte I, Viking Room, Haddon Hall

Renal and Electrolyte II, West Room, Haddon Hall

†Followed by Symposium.

Carolina Room, Chalfonte
7:00 P.M.

Stephen Vatner and Kern Wildenthal, Presiding

1. IMPROVEMENT OF BLOOD FLOW TO ISCHEMIC MYOCARDIUM BY NITROGLYCERIN AND DIPYRIDAMOLE IN EXPERIMENTAL INFARCTION. L. C. Becker* (Intr. by M. L. Weisfeldt), Baltimore, Maryland. page 172A

2. FAILURE OF NITROPRUSSIDE TO IMPROVE FUNCTION OF REGIONALLY ISCHEMIC MYOCARDIUM. C. W. Urschel and R. W. Chagrasulsi,* Mobile, Alabama. page 211A

3. TRANSMURAL MYOCARDIAL BLOOD FLOW DURING RESTRICTED CORONARY INFLOW. R. J. Bache, Durham, North Carolina. page 171A


*By invitation
**Senior member, AFCR.
5. MITOCHONDRIAL FUNCTION FOLLOWING REVASCULARIZATION OF ISCHEMIC MYOCARDIUM. J. J. Kane,* K. D. Straub,* M. L. Murphy,** J. E. Doherty,** and N. de Soysa, Little Rock, Arkansas. page 188A


7. ACUTE MYOCARDIAL INFARCTION: ST SEGMENT ELEVATION MAPS AND O₂ BREATHING. J. E. Madias and W. B. Hood, Jr.,** Boston, Massachusetts. page 194A

8. THE EFFECT OF HYPEROSMOTIC MANNITOL ON MYOCARDIAL OXYGEN CONSUMPTION. G. J. Vlahakes* and W. J. Powell, Jr., Boston, Massachusetts. page 213A

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**Cardiovascular II**

Music Room, Chalfonte

7:00 P.M.

William Grossman and Richard L. Popp, Presiding


2. EFFECT OF EMOTIONAL STRESS ON PLATELET AGGREGATION IN HUMANS. J. I. Haft and Y. S. Arkel,* Newark, New Jersey. page 186A


4. INFLUENCE OF AGING ON LEFT VENTRICULAR STIFFNESS. G. H. Templeton, M. R. Platt,* J. T. Willerson, and M. L. Weisfeldt,* Dallas, Texas, and Baltimore, Maryland. page 210A

5. CARDIAC HYPERTROPHY IN ACUTE THYROTOXICOSIS: A NEW MYOSIN? T. C. Smitherman, R. S. Johnson,* and E. G. Richards,* Dallas, Texas. page 209A


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Clinical Epidemiology and Health Care Research

Solarium, Haddon Hall
7:00 P.M.
Stephen Goldfinger and Joseph Sapira, Presiding

1. EVALUATION OF A NEW EDUCATIONAL PROGRAM FOR HYPERTENSIVE PATIENTS. C. A. Kaunisto,* S. Connelan,* and A. J. Zweifler,** Ann Arbor, Michigan. page 265A

2. HYPERTENSION DETECTION AND CONTROL IN A RURAL KENTUCKY COMMUNITY. J. M. Kotchen and T. A. Kotchen, Lexington, Kentucky. page 265A

3. USE OF DYE CLEARANCE IN DETECTION OF HEPATOCELLULAR INJURY AMONG VINYL CHLORIDE WORKERS. P. Fortwengler* and C. H. Tamburro, Louisville, Kentucky. page 264A

4. EXPERIENCE WITH A DIAGNOSTIC ALGORITHM FOR ALVEOLAR DISEASE. R. Cordon,* A. Hudson,* D. Hurst, and K. H. Kilburn,** Columbia, Missouri. page 264A


6. ADVERSE DRUG REACTIONS IN AN ACUTE-CARE TEACHING HOSPITAL. S. R. Kaplan and P. Calabresi,** Providence, Rhode Island. page 265A

7. THE MEDICAL AND ECONOMIC FEASIBILITY OF RURAL SATELLITE CLINICS OPERATED BY PHYSICIAN ASSISTANTS. R. F. Hill* and T. N. Lynn, Jr., Oklahoma City, Oklahoma. page 265A

Symposium
“Periodic Health Screening: Preventive Care, Health Maintenance, Or a Waste of Time?”

Moderators: John Noble and Thomas L. Delbanco
Participants:


2. EFFECTS OF ANNUAL MULTIPHASIC CHECK-UPS. Gary D. Friedman, Loring G. Dales, and Morris F. Collen, Permanente Medical Group, Oakland, California.

3. COST BENEFIT OF INDIVIDUAL PARTS OF THE HISTORY AND PHYSICAL EXAMINATION. Sheldon Greenfield, UCLA, Los Angeles, California.


5. UNANSWERED QUESTIONS ABOUT THE PERIODIC HEALTH EXAMINATION. Walter O. Spitzer, McMaster University Medical Center, Hamilton, Ontario.

Endocrinology I

Rutland Room, Haddon Hall
7:00 P.M.
William McGuire and Ronald Swerdloff, Presiding

1. INTERCELLULAR TRANSFER OF A SPECIFIC INTERMEDIATE IN STEROID HORMONE ACTION. L. Chan,* P. O. Kohler, and B. W. O'Malley, Houston, Texas. page 234A

2. SERUM LUTEINIZING HORMONE AND FOLLICLE STIMULATING HORMONE RESPONSES TO THE REPETITIVE ADMINIS-


3. BLOCKADE OF THE PRE-OVULATORY SURGE IN HAMSTERS BY AN INHIBITORY ANALOG OF LUTEINIZING HORMONE-RELEASING HORMONE. A. de la Cruz, D. H. Coy,* and A. V. Schally,* New Orleans, Louisiana. page 235A
4. **POSITIVE TESTICULAR IMMUNOFLUORESCENCE IN IDIOPATHIC OLIGOSPERMIC MEN.** H. R. Nankin, B. S. Rabin,* and P. Troen,** Pittsburgh, Pennsylvania. page 240A

5. **RADIOPHORE-INACTIVE HUMAN GROWTH HORMONE IS ASSOCIATED WITH STIMULATED SECRETION IN NORMAL SUBJECTS.** D. S. Sneid, L. S. Jacobs, R. Trivedi,* and W. H. Daughaday,** St. Louis, Missouri. page 242A

6. **ACUTE AND CHRONIC ESTROGEN EFFECTS UPON SERUM SOMATOMEDIN ACTIVITY, GROWTH HORMONE AND PROLACTIN IN MAN.** E. Wiedemann, E. Schwartz,** and A. G. Frantz,** Bronx and New York, New York. page 244A

7. **DEMONSTRATION OF FOUR FORMS OF PITUITARY AND CIRCULATING GROWTH HORMONE IN MAN.** R. C. Dimond* and S. W. Rosen,** Washington, D.C., and Bethesda, Maryland. page 235A

8. **HUMAN α-LACTALBUMIN BY RADIOIMMUNOASSAY: SERUM AND ORGAN CULTURE MEASUREMENTS.** D. L. Kleinberg and J. Todd,* New York, New York. page 238A

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**Symposium**

“Target Cell Receptors for Peptide Hormones: Regulation of Receptor Populations *In Vivo* and *In Vitro*”

Moderator: Jesse Roth

Participants:

1. **INSULIN RECEPTORS IN OBESITY AND OTHER STATES OF ALTERED SENSITIVITY TO INSULIN.** C. Ronald Kahn, National Institutes of Health, Bethesda, Maryland.

2. **REGULATION OF INSULIN AND GROWTH HORMONE RECEPTORS IN HUMAN CELLS IN CULTURE.** Jesse Roth, National Institutes of Health, Bethesda, Maryland.

3. **REGULATION OF GROWTH HORMONE AND PROLACTIN RECEPTORS *IN VIVO*.** Barry Posner, McGill University, Montreal, Quebec.

4. **FOLLICULAR STIMULATING HORMONE AND HUMAN CHORIONIC GONADOTROPIN RECEPTORS IN OVARIAN CELLS DURING FOLLICULAR DEVELOPMENT.** Anthony J. Zeleznik, University of Michigan, Ann Arbor, Michigan.

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**Gastroenterology I**

Pennsylvania Room II, Haddon Hall

7:00 P.M.

Raj K. Goyal and Michael D. Levitt, Presiding


2. **EFFECT OF BETHANECHOL ON GASTRO-ESOPHAGEAL REFLUX.** K. P. Ganeshappa,* W. N. Miller, W. J. Dodds, W. J. Hogan,** R. C. Arndorfer,* and J. J. Stef,* Wood and Milwaukee, Wisconsin. page 249A

3. **NATURE OF THE VAGAL INHIBITORY INNERVATION TO THE LOWER ESOPHAGEAL SPHINCTER.** R. K. Goyal and S. Rattan, Dallas, Texas. page 249A

4. **BIOLOGICAL ACTIVITY AND CLEARANCE OF HUMAN BIG GASTRIN IN MAN.** J. H. Walsh, V. Maxwell,* and J. I. Isenberg, Los Angeles, California. page 259A

5. **THE CONCENTRATION OF GASTRIN IN PREPYLORIC GASTRIC MUCOSA: ITS RELATIONSHIP TO GASTRIN RELEASE AND MAXIMAL ACID OUTPUT.** W. Hughes, N. Snyder,* and A. Hernandez,* Galveston, Texas. page 251A

6. **STIMULATION OF GASTRIC INHIBITORY POLYPEPTIDE AND INSULIN BY INTRADUODENAL AMINO ACIDS.** F. B. Thomas, S. Cataland,* S. E. Crockett,* H. S. Mekhjian, and E. L. Mazaferri, Columbus, Ohio. page 258A


1975 Programs · ASCI-AFCR-AAP ix
1. THE KINETICS OF THE PREAMGREGATION PHASE OF SICKLING WITHIN RED CELLS. M. J. Messer, J. A. Hahn,* and T. B. Bradley,** San Francisco, California. page 279A

2. ROLE OF HEMIN-CONTROLLED REPRESSOR IN HYPOCHROMIC ANEMIAS. M. L. Freedman, F. J. Forte,* and J. Rosman,* New York, New York. page 272A

3. ROLE OF COMPLEMENT IN COLD AGGLUTININ DISEASE. C. J. Jaffe,* J. P. Atkinson, and M. M. Frank, Bethesda, Maryland. page 276A

4. PROTEIN MEDIATED UPTAKE OF VITAMIN B-12 BY ISOLATED RAT LIVER MITOCHONDRIA. R. A. Gams, Birmingham, Alabama. page 273A

5. RADIOIMMUNOASSAY FOR MYELOMA IDIOTYPE. J. Ricks,* J. D. Robinson,* D. H. Sachs,* and W. D. Terry,** Bethesda, Maryland. page 281A

6. NULL PERIPHERAL BLOOD LYMPHOCYTES IN SYSTEMIC LUPUS ERYTHEMATOSUS. M. A. Scheinberg, E. S. Cathcart,** and A. L. Goldstein,* Boston, Massachusetts, and Galveston, Texas. page 282A

7. THE ROLE OF SUPEROXIDE IN THE FUNCTIONAL ACTIVITY OF MONOCYTES. A. L. Sagone, Jr., G. W. King, A. F. LoBuglio, and E. N. Metz, Columbus, Ohio. page 281A

8. MANGANESE-DEPENDENT NADPH OXIDATION BY A PARTICULATE PREPARATION FROM GUINEA PIG GRANULOCYTES: AN ALTERNATIVE INTERPRETATION. J. T. Curnutte,* M. L. Karnovsky,* and B. M. Babior (Intr. by M. M. Kaplan), Boston, Massachusetts. page 271A

Participants:

1. PLATELET FUNCTION IN HEMOSTASIS AS ELUCIDATED BY QUALITATIVE PLATELET DISORDERS. Harvey Weiss, New York, New York.

2. BLOOD COAGULATION: AN INTEGRAL BIOCHEMICAL SYSTEM. Yale Nemerson, New Haven, Connecticut.

3. CONCLUDING REMARKS. Samuel Rapaport, La Jolla, California.

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Immunology and Connective Tissue I

Pennsylvania Room I, Haddon Hall

7:00 P.M.

Jacques R. Caldwell and Andrew Kang, Presiding

1. LYMPHOCYTE INHIBITORY FACTOR PRODUCTION AS AN INDICATOR OF MIXED LYMPHOCYTE CULTURE REACTIVITY. K. C. Cochrum,* P. M. Hoffman,* B. L. Cullen,* F. O. Belzer,* O. A. Salvatierra,* and H. H. Fudenberg** (Intr. by D. W. Martin), San Francisco, California. page 288A

2. THE NEUTRAL PEPTIDE GENERATING SYSTEM OF MAN: INITIATION BY A NEUTROPHIL ECTOENZYME AND DUAL CONTROL BY NORMAL PLASMA PROTEINS. B. U. Wintroub,* W. G. Hendren,* E. J. Goetzl, and K. F. Austen,** Boston, Massachusetts. page 299A

3. EVIDENCE FOR THE PRESENCE OF COMPONENTS OF THE ALTERNATE (PROPERDIN) PATHWAY OF COMPLEMENT ACTIVATION IN RESPIRATORY SECRETIONS. J. Robertson,* J. Caldwell, R. Castle,* and R. Waldman, Gainesville, Florida. page 295A


5. COMPLEMENT MEDIATED RELEASE OF HISTAMINE FROM HUMAN BASOPHILS. J. A. Grant, E. Dupree,* and A. S. Goldman,* Galveston, Texas. page 292A
6. IDENTIFICATION OF HISTAMINE AS A CHEMOTACTIC FACTOR FOR HUMAN EOSINOPHILS. R. A. Clark,* J. I. Gallin,* and A. P. Kaplan, Bethesda, Maryland. page 288A

7. URATE INDUCED CHEMOTACTIC FACTOR: ISOLATION AND PARTIAL CHARACTERIZATION. I. Spilberg, A. Gallacher,* J. M. Mehta,* and B. Mandell,* St. Louis, Missouri. page 298A

8. DEPRESSION OF MONOCYTE CHEMOTAXIS BY NEOPLASMS. R. Snyderman, M. C. Pike,* L. Meadows,* G. Hemstreet,* and S. Wells,* Durham, North Carolina. page 297A

9. INHIBITION OF PLASMA CELL FORMATION BY LEUKOCYTES FROM HYPOGAMMAGLOBULINEMIC PATIENTS. F. P. Siegal* and M. Siegal* (Intr. by R. A. Good**), New York, New York. page 297A

10. SUPPRESSION OF AMYLOID DISEASE IN THE MOUSE BY THYMOSIN TREATMENT. M. Scheinberg, E. S. Cathcart,** and A. L. Goldstein,* Boston, Massachusetts, and Galveston, Texas. page 296A

Infectious Disease I

Pennsylvania Room III, Haddon Hall
7:00 P.M.

Maurice Mufson and William Schaffner, Presiding

1. *IN VITRO STUDIES OF HUMAN T AND B LYMPHOCYTES IN INFLUENZA. M. A. Scheinberg, N. R. Blacklow, T. A. Parrino,* F. B. Rose,* and E. S. Cathcart,** Boston, Massachusetts. page 311A

2. ROLE OF KUPFFER CELLS IN EXPERIMENTAL STAPHYLOCOCCAL FEVER. F. Haeseler* and P. Bodel, New Haven, Connecticut. page 305A

3. THE EOSINOPENIA OF ACUTE INFECTION: REPRODUCTION BY PASSIVE TRANSFER OF A MATERIAL IN INFLAMMATORY EXUDATE. D. A. Bass* (Intr. by J. P. Sanford), Oxford, England. page 301A


5. IS THERE NEUTROPHIL DYSFUNCTION IN GRAM-NEGATIVE SEPTICEMIA? R. J. Weinstein* and L. S. Young, Los Angeles, California. page 313A

6. *IN VIVO ANTAGONISM BETWEEN GENTAMICIN AND CHLORAMPHENICOL IN RABBITS WITH GRAM-NEGATIVE MENINGITIS. L. J. Straubbaugh,* C. D. Mandeliris, R. J. Sherertz, and M. A. Sande, Charlottesville, Virginia. page 312A

7. MEMBRANE BINDING AND ACTIVE UPTAKE OF SHIGELLA TOXIN. G. Keusch and M. Jacewicz,* New York, New York. page 306A

8. MECHANISM OF SPLENIC HYPERTROPHY IN MALARIA. D. J. Wyler* and J. I. Gallin, Bethesda, Maryland. page 313A

Symposium
“Microbial Contamination of Commercially Distributed Pharmacologic Agents and Medical Devices”

Moderator: William Schaffner

Participants:

1. THE PROBLEM FROM A NATIONAL PERSPECTIVE. Richard E. Dixon, Bureau of Epidemiology, Center for Disease Control, Atlanta, Georgia.


4. SOLUTION SEARCHING FOR SOLUTION PROBLEMS: PROCEEDINGS OF THE NATIONAL COORDINATING COMMITTEE ON LARGE VOLUME PARENTERALS. Richard J. Duma, Medical College of Virginia, Richmond, Virginia.
**Metabolism I**

Vernon Room, Haddon Hall
7:00 P.M.
Philip Felig and George Steiner, Presiding

1. CYTOLOGICAL AND ENZYMOLICAL CHARACTERIZATION OF AN ADIPOCYTE PRECURSOR POOL FOUND IN ADULT MAN. R. R. L. Van,* C. E. Bayliss,* and D. A. K. Roncari, Toronto, Ontario, Canada. page 334A

2. EFFECTS OF DIETARY COMPOSITION ON INSULIN BINDING AND THE METABOLIC RESPONSE TO INSULIN IN ISOLATED RAT ADIPOSE CELLS. S. W. Cushman and L. B. Salans, Hanover, New Hampshire. page 317A

3. PRIMARY TYPE V HYPERLIPOPROTEINEMIA. B. Greenberg,* W. Blackwelder,* and R. I. Levy, Bethesda, Maryland. page 321A

4. THE EFFECT OF EXPERIMENTAL POTASSIUM DEFICIENCY ON CARBOHYDRATE METABOLISM IN MAN: QUANTIFICATION OF A DEFECT IN BETA CELL SENSITIVITY TO GLUCOSE. J. W. Rowe, J. D. Tobin, and R. Andres,** Baltimore, Maryland. page 330A

5. URINARY C-PEPTIDE: A MEASURE OF BETA-CELL SECRETORY FUNCTION. D. L. Horwitz, A. Cruz,* A. I. Katz,** and A. H. Rubenstein, Chicago, Illinois. page 323A

6. EVIDENCE FOR A HEPATIC RECEPTOR SPECIFIC FOR A FORM OF “BIG” HUMAN GROWTH HORMONE. V. Soman* and A. D. Goodman, Albany, New York. page 333A

7. THE SERUM HALF-LIFE OF SOMATOMEDIN: DEPENDENCE UPON GROWTH HORMONE STIMULATION. K. L. Cohen* and S. P. Nissley, Bethesda, Maryland. page 317A

8. MUSCLE NITROGEN METABOLISM IN LAENNEC’S CIRRHOSIS. O. P. Ganda* and N. B. Ruderman, Boston, Massachusetts. page 320A

9. SPONTANEOUS LACTIC ACIDOSIS: EFFECTS OF THERAPY IN AN EXPERIMENTAL MODEL. A. I. Anleff and A. Kerian,* San Francisco, California. page 314A

10. REGULATION OF PROLINE BIOSYNTHESIS: CHANGES IN SENSITIVITY OF PYRROLINE CARBOXYLATE REDUCTASE TO FEEDBACK INHIBITION. J. M. Phang, D. Valle,* R. M. Blaese, and E. M. Kowaloff,* Bethesda, Maryland. page 327A

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**Oncology**

Garden Room, Haddon Hall
7:00 P.M.
Sydney Salmon and Rainer F. Storb, Presiding

1. ANTI ANTIBODIES IN MALIGNANCY. D. Hartmann* and M. G. Lewis, Montreal, Quebec, Canada. page 339A

2. ANTI-RIBONUCLEIC ACID, ANTI-RIBOSOME ANTIBODIES IN MYELOMA AND WALDENSTROM’S MACROGLOBULINEMIA. V. Balazs and M. M. Frohlich, Leiden, The Netherlands. page 336A

3. PHASE I TRIAL OF INTRALESIONAL CORYNEBACTERIUM PARVUM. W. F. Cunningham-Rundles,* Y. Hirshaut, C. M. Pinsky, and H. F. Oettgen, New York, New York. page 337A

4. PHENOBARBITAL INHIBITS CYCLOPHOSPHAMIDE ANTITUMOR ACTIVITY. D. S. Alberts* and T. V. D. Wetters* (Intr. by L. B. Sheiner), San Francisco, California. page 335A

5. RADIOISOTOPIC MONITORING OF INTRATHECAL METHOTREXATE THERAPY. P. T. Kirchner,* H. R. Adams,* R. A. Cahill,* D. Gilbert,* and J. Duley* (Intr. by J. C. Babka), Bethesda, Maryland. page 340A

6. HYDROXYETHYL STARCH AND PREDNISONE AS ADJUNCTS TO GRANULOCYTE COLLECTION. J. D. Bearden, III,* G. A. Ratkin,* and C. A. Coltman, Jr.,** San Antonio, Texas. page 336A

7. T AND B CELL MARKERS ON LYMPHOBLASTS IN ACUTE LYMPHOBLASTIC LEUKEMIA IN CHILDREN. I. Tsukimoto,* B. C. Lampkin, and K. Y. Wong,* Cincinnati, Ohio. page 344A

8. REMISSIONS IN REFRACTORY ANEMIA OF “SMOULDERING” OR PRELEUKEMIA INDUCED BY IMMUNOSUPPRESSION AND DETECTED BY BONE MARROW CULTURE. K. K. Hussein,* S. W. Eubanks,* M. J. Griffin,* and J. W. Hampton,** Oklahoma City, Oklahoma. page 340A
Teakwood Room, LaFayette Hotel
7:00 P.M.
Carroll Cross and Donald C. Zavala, Presiding


Symposium
“Acute Bronchial Asthma”

Moderator: Roland H. Ingram, Jr.

Participants:

1. ROLES OF PRIMARY AND SECONDARY MEDIA- TORS IN ACUTE BRONCHIAL ASThma. K. Frank Austen, Harvard Medical School, Boston, Massachusetts.

2. PATHOPHYSIOLOGY OF ACUTE BRONCHIAL ASThma IN ANIMALS. Warren M. Gold, University of California, San Francisco, California.

3. PATHOPHYSIOLOGY OF ACUTE BRONCHIAL ASThma FOLLOWING EXERCISE. E. R. Mc- Fadden, Jr., Harvard Medical School, Boston, Massachusetts.

Renal and Electrolyte I

Viking Room, Haddon Hall
7:00 P.M.
Robert W. Schrier and Jay Stein, Presiding

1. EVIDENCE THAT PROXIMAL TUBULE FLUID REABSORPTION IS HIGHLY PLASMA-FLOW DEPENDENT AT LOW POSTGLOMERULAR PLASMA FLOW RATES. B. D. Myers,* W. M. Deen,* J. L. Troy,*, and B. M. Brenner, San Francisco, California.


4. CHANGES IN RENAL BLOOD FLOW FILTRA- TION AND TUBULAR FUNCTION DURING “URINE REINFUSION NATRIURESIS.” R. H. Harris, Durham, North Carolina.


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Renal and Electrolyte II

West Room, Haddon Hall
7:00 P.M.

Gary Eknoyan and Murray Levin, Presiding

1. ACCELERATED PHOSPHORUS REABSORPTION DURING PHOSPHORUS DEPLETION. T. H. Steele and H. F. DeLuca,* Madison, Wisconsin.

page 375A

2. TUBULAR REABSORPTION OF PHOSPHATE DURING ACUTE PHOSPHATE INFUSION. J. H. Dirks, C. A. Harris,* and G. Quamme,* Montreal, Quebec, Canada.

page 360A


page 378A

4. EFFECT OF PHYSIOLOGIC DOSES OF SYNTHETIC BOVINE PARATHYROID HORMONE ON SEGMENTAL PHOSPHATE REABSORPTION. F. Knox, J. Haas,* and C. Lechene,* Rochester, Minnesota, and Boston, Massachusetts.

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6. EFFECT OF IMIDAZOLE ON RENAL GLUCONEOGENESIS. A. C. Schoolwerth, H. Rodriguez, and S. Klahr, St. Louis, Missouri, and Hershey, Pennsylvania.

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10. SODIUM RETENTION AND KIDNEY FUNCTION IN DOGS WITH EXPERIMENTAL, PORTAL CIRRHOSIS. M. Levy, Montreal, Quebec, Canada.

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Program—Subspecialty Meetings

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THE ASSOCIATION OF AMERICAN PHYSICIANS

Chalfonte-Haddon Hall, LaFayette Hotel, and Ramada Inn

Atlantic City, New Jersey

SUNDAY AFTERNOON, MAY 4, 1975

Cardiovascular, Pennsylvania Room II, Haddon Hall
Clinical Epidemiology and Health Care Research, Solarium, Haddon Hall
Clinical Pharmacology, Ramada Inn
Dermatology, Teakwood Room, LaFayette
Endocrinology, Pennsylvania Room III, Haddon Hall
Gastroenterology, Vernon Room, Haddon Hall

Cardiovascular

Pennsylvania Room II, Haddon Hall
1:30 P.M.
Stephen Epstein and Burton Sobel, Presiding

1. EXTERNAL DETECTION OF ALTERED METABOLISM OF \(^{11}C\)-LABELED SUBSTRATES IN ISCHEMIC MYOCARDIUM. E. S. Weiss,* E. J. Hoffman,* M. E. Phelps,* M. J. Welch,* M. M. Ter-Pogossian,* and B. E. Sobel, St. Louis, Missouri.


5. FACTORS AFFECTING DISAPPEARANCE OF CREATINE PHOSPHOKINASE FROM THE CIRCULATION. R. Roberts and B. E. Sobel, St. Louis, Missouri.

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8. EFFECTS OF ALTERED AUTONOMIC INNERVATION OF THE HEART ON VENTRICULAR ELECTRICAL STABILITY IN CHRONIC HEART FAILURE. K. M. Kent, D. M. Jacobowitz,* and S. E. Epstein, Bethesda, Maryland.  
AFCR page 189A

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AFCR page 215A

AFCR page 212A

AFCR page 213A

AFCR page 183A

Clinical Epidemiology and Health Care Research

Solarium, Haddon Hall  
1:30 P.M.  
Gerald T. Perkoff and Graham H. Jeffries, Presiding

AAP page 441A

2. COST OF MEDICAL CARE IN AN EXPERIMENTAL STUDY OF PREPAID GROUP AND Fee-FOR-SERVICE PRACTICE. G. T. Perkoff,** L. Kahn, and F. J. Haas, St. Louis, Missouri.  
AAP page 441A

AFCR page 267A

4. COMPARISON OF CERTAIN SURGICAL RATES BEFORE AND AFTER THE INTRODUCTION OF MEDICARE IN QUEBEC. J. R. Hoey* and A. D. McDonald* (Intr. by H. M. Scott) Montreal, Quebec, Canada.  
AFCR page 217A

AFCR page 266A

AFCR page 267A

7. IMPACT OF MIDLEVEL HEALTH PRACTITIONERS ON PRIMARY CARE IN A HEALTH MAINTENANCE ORGANIZATION. D. M. Levine,* L. L. Morlock,* A. I. Mushlin,* and S. Shaprio* (Intr. by M. L. Peterson), Baltimore, Maryland.  
AFCR page 266A

AFCR page 265A

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ASCI page 384A

11. POTENTIAL PULMONARY TOXICITY FROM DRUGS USED IN THE MANAGEMENT OF ACUTE LUNG INJURY. B. Gillis,* R. Laguardia, W. Pereira,* and G. Huber, Boston, Massachusetts.  
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RAMDA INN

1:30 P.M.

Rubin Bresler and Henry Bourne, *Presiding*


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10. THE EFFECT OF HYDANTOINS ON MITOSIS AND MICROTUBULES. A. MacKinney* and R. Vyas,* (Instr. by C. M. Kunin), Madison, Wisconsin.

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11. THE BILIARY EXCRETION OF 3H-DIGOXIN IN MAN. J. H. Caldwell and C. T. Cline,* Columbus, Ohio.

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Dermatology

Teakwood Room, LaFayette Hotel

1:30 P.M.

William Epstein and Ruth K. Freinkel, *Presiding*

1. IMPORTANCE OF SALVAGE PATHWAYS IN DEOXYPYRIMIDINE NUCLEOTIDE SYNTHESIS IN SKIN. N. W. DeLapp* and M. A. Karasek, Stanford, California.

   AFCR page 227A

2. CHARACTERIZATION OF PROTEOLYTIC ENZYMES EXTRACTED FROM HUMAN SKIN. V. B. Hatcher, N. Levine,* and G. S. Lazarus, Bronx, New York.

   AFCR page 229A

3. DECREASED MATRIX PROTEIN IN AN AUTOSOMAL RECESSIVE SYNDROME WITH “BRITTLE” HAIR. H. P. Baden,** C. E. Jackson,** L. Lee,* L. Weiss,* and R. J. Gold,* Boston, Massachusetts; Detroit, Michigan; and Montreal, Quebec, Canada.

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5. INCREASED LEVELS OF FREE ARACHIDONATE, PROSTAGLANDIN E₂ AND F₂α, AND 12-L-HYDROXY-5, 8, 10, 14-EICOSATETRAENOIC ACID IN UNINVOLVED VS. INVOLVED PSORIASIS EPIDERMIS: EVIDENCE FOR PERTURBED REGULATION OF FREE ARACHIDONATE LEVELS IN LESIONS. S. Hammersstrom,* M. Hamberg,* B. Samuelsson,* E. Duell,* M. Stawiski,* and J. Voorhees, Stockholm, Sweden, and Ann Arbor, Michigan. AFCR page 228A

6. PREFERENTIAL BINDING OF ¹¹¹GALLIUM BY MELANINS. M. Earle,* V. Hearing,* and G. P. Canellos, Bethesda, Maryland. AFCR page 000

7. DEFECTIVE MONOCYTE CHEMOTAXIS AND ZINC DEFICIENCY IN ACRODERMATITIS ENTEROPATICA. J. C. Huff,* W. L. Weston, K. H. Neeldner,* and K. M. Hambridge,* Denver, Colorado. AFCR page 229A

8. ANTIGEN-INDUCED EOSINOPHIL HEMOTACTIC FACTOR RELEASE BY HUMAN LEUKOCYTES. B. M. Czarnetzki and L. M. Lichtenstein,** Baltimore, Maryland. AFCR page 227A

9. DIFFERENTIATION BETWEEN B CELLS, T CELLS AND HISTIOCYTES IN MELANOCYTIC LESIONS. R. Edelson,* J. Dean,* V. Hearing,* M. Frank,* and I. Green* (Intr. by M. Lutzner), Bethesda, Maryland. AFCR page 228A

10. ASSOCIATION OF MIXED CONNECTIVE TISSUE DISEASE WITH IMMUNOGLOBULIN LOCALIZATION IN EPIDERMAL NUCLEI OF BIOPSIES FROM AREAS OF NORMAL SKIN. J. N. Gilliam, J. D. Smiley, and M. Ziff,** Dallas, Texas. AFCR page 229A

11. PRESENCE OF IMMUNE COMPLEXES IN PEPHIGUS VULGARIS SERA AS DEMONSTRATED BY A Clq-BINDING ASSAY. G. Tappeiner,* K. G. Heine,* and R. E. Jordon, Rochester, Minnesota. AFCR page 231A

12. AUTOSENSITIZATION TO DEOXYRIBONUCLEIC ACID: EVIDENCE FOR PATHOGENESIS. J. L. Pinnas, E. M. Tan, R. L. Teplitz, and J. T. Boyer, Tucson, Arizona; La Jolla, California; and Los Angeles, California. AFCR page 230A

13. EXPERIMENTAL CUTANEOUS CANDIDA ALBICANS INFECTIONS IN RODENTS: ROLE OF COMPLEMENT. T. L. Ray and K. D. Wuepper, Portland, Oregon. AFCR page 230A

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Endocrinology

Pennsylvania Room III, Haddon Hall
1:30 P.M.

David Orth and Constance S. Pittman, Presiding

1. THYROID RELEASING HORMONE EXCRETION AND METABOLISM IN MAN. I. M. D. Jackson, R. Gagel,* P. D. Papapetrou, D. Deprez,* and S. Reichlin,** Boston, Massachusetts. AFCR page 238A

2. REVERSIBLE IMPAIRMENT OF LUTEINIZING HORMONE RESPONSE TO GONADOTROPIN RELEASING HORMONE IN WOMEN WITH ANOREXIA NERVOSA. B. M. Sherman, K. A. Halmi,* and R. Zamudio,* Iowa City, Iowa. AFR page 242A

3. IMMUNOREACTIVE SOMATOSTATIN IN HUMAN CEREBROSPINAL FLUID. Y. C. Patel,* K. Rao,* and S. Reichlin,** Boston, Massachusetts. ASCI page 389A

4. A MICROTECHNIQUE DEMONSTRATING BINDING OF GROWTH HORMONE TO HUMAN LIVER. D. Carr,* J. Chan,* I. M. Holdaway,* and H. G. Friesen, Winnipeg, Manitoba, Canada. AFR page 234A

5. DIVERSION OF PERIPHERAL THYROXINE METABOLISM FROM ACTIVATING TO INACTIVATING PATHWAYS DURING COMPLETE FASTING. A. G. Vagenakis,* F. Azizi,* G. I. Portnay,* A. Burger,* P. Nicod,* M. Rudolph,* J. T. O’Brian,* R. A. Arky, S. H. Ingbar,** and L. E. Braverman, Boston, Massachusetts. ASCI page 390A


7. CONTROL OF PLASMA ALDOSTERONE IN PRIMARY ALDOSTERONISM. M. Schambelan,* M. Hogan,* N. Brust,* and E. G. Biglieri,** San Francisco, California. ASCI page 390A

8. THE EFFECTS OF PREGNANCY AND ESTROGENS ON POSTURAL STIMULATION AND SALINE SUPPRESSION OF PLASMA RENIN ACTIVITY AND ALDOSTERONE. M. H. Weinberger, N. J. Kramer,* and L. P. Petersen, Indianapolis, Indiana. AFR page 244A

10. ADRENOCORTICAL ENZYME DEFICIENCIES IN IDIOPATHIC HIRSUTISM. S. R. Newmark,* R. G. Dhuhy, G. H. Williams, P. Pochl,** and L. I. Rose, Boston, Massachusetts. AFCR page 240A

11. FURTHER ABNORMALITIES OF STEROIDOGENESIS IN 21-HYDROXYLASE DEFICIENCY. T. J. McKenna,* A. S. Jennings,* and I. M. Burr, Nashville, Tennessee. AFCR page 239A

12. PROGESTERONE RECEPTORS IN HUMAN BREAST CANCER. K. B. Horwitz* and W. L. McGuire, San Antonio, Texas. AFCR page 237A

13. ALTERED BLOOD ANDROGENS IN MEN WITH PROSTATE HYPERPLASIA. J. Barberia,* P. Hsieh,* M. Cosgrove,* and R. Horton,** Los Angeles, California. AFCR page 233A
1. VIRUS PROBE SHOWS MEMBRANE DEFECT IN I-CELL DISEASE. W. S. Sly, E. Lagwinska, and S. Schlesinger. 

2. DEMONSTRATION OF DEFICIENT HEME SYNTHETASE ACTIVITY IN HUMAN PROTOPORPHYRIA. H. L. Bonkowsky, J. R. Bloomer, M. J. Mahoney, and P. S. Ebert. 


4. AFFINITY ELECTROPHORESIS: A NEW PRINCIPLE FOR IDENTIFICATION OF ENZYME POLYMORPHISMS. R. Hirschhorn, D. Swallow, and H. Harris. 


6. THE CONNECTIVE TISSUE DEFECT IN HOMOCYSTINURIA. R. C. Siegel (Intr. by L. H. Smith, Jr.). 


8. HEAT-LABILE ENZYMES IN SKIN FIBROBLASTS CULTURED FROM SUBJECTS WITH PROGERIA. S. Goldstein and E. Moerman. 


Hematology


5. CALCIUM INDEPENDENT IRREVERSIBLE SICKLING OF NORMAL RED CELL MEMBRANES IN HYBRID ERYTHROCYTES. M. R. Clark and S. B. Shohet. San Francisco, California. 

Viking Room, Haddon Hall
1:30 P.M.

Charles B. Carpenter and Norman Talal, Presiding

1. DETECTION OF C3b-BINDING SUBSTANCES IN PATIENT SERA BY THE C3b DEVIATION TEST.
   V. A. Bokisch,* A. T. Sobel, and H. J. Muller-Eberhard,* La Jolla, California. 
   ASCI page 409A

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4. REACTIVITY OF LYMPHOCYTOTOXIC ANTIBODIES IN LUPUS ERYTHEMATOSUS WITH HUMAN BRAIN TISSUE. H. G. Bluestein* and N. J. Zraifler,** La Jolla, California. 
   ASCI page 409A

   APCR page 288A

6. LYMPHOCYTES BEARING Fc RECEPTORS AS EFFECTOR CELLS IN ANTIBODY-DEPENDENT LYMPHOCYTE MEDIATED CYTOTOXICITY. L. Simchowitz* and P. H. Schur, Boston, Massachusetts.
   APCR page 297A

7. MODULATION OF CYTOLYTIC ABILITY OF HUMAN T AND K-LYMPHOCYTES IN DIRECT

   APCR page 295A

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11. ALTERATION IN ADENOSINE DEAMINASE ACTIVITY IN MONOCYTE-MACROPHAGE TRANSFORMATION. D. Fischer,* M. B. Van DerWeyden,* R. Snyderman, and W. N. Kelley, Durham, North Carolina. 
    APCR page 289A

12. IMMUNOSUPPRESSION BY a-FETOPROTEIN. T. Tomasi,** R. Dattwyler, and P. K. Kupper, Rochester, Minnesota. 
    AAP page 444A

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Infectious Disease

Viking Room, Haddon Hall
1:30 P.M.
Joseph Pagano and Robert Couch, Presiding

1. THE LIMULUS TEST IN THE DIAGNOSIS OF CLINICAL ENDOTOXEMIA. R. J. Elin, R. A. Robinson,* A. S. Levine, and S. M. Wolff,** Bethesda, Maryland. APCR page 303A

2. NEISSERIA GONORRHOEAE STRAIN DIFFERENTIATION. E. C. Tramont, M. S. Artenstein,** J. M. Griffls,* and G. F. Brooks, Washington, D.C., and Indianapolis, Indiana. APCR page 313A

3. LOCAL ANTIBODY RESPONSE TO K ANTIGEN OF E. COLI IN EXPERIMENTAL PYELONEPHRITIS. J. W. Smith* and B. Kaisert* (Intr. by R. Tomsett), Dallas, Texas, and Goteborg, Sweden. ASCI page 417A

4. BINDING OF GROUP A STREPTOCOCCI TO HUMAN ORAL MUCOSAL CELLS BY LIPO-TEICHOIC ACID. E. H. Beachey* (Intr. by G. H. Stollermann**), Memphis, Tennessee. AAP page 444A

5. TRANSFER FACTOR IN COCCIDIOIDOMYOSIS: A GREAT DEAL OF HEAT BUT HOW MUCH LIGHT? J. R. Graybill, San Antonio, Texas. APCR page 304A

6. EXPERIMENTAL CANDIDIASIS: EFFECTS OF CYTOTOXIC DRUGS ON IMMUNITY AND INFECTION. D. L. Hurley,* J. E. Balow, and A. S. Fauci, Bethesda, Maryland. APCR page 306A

7. TORULOPSIS GLABRATA INFECTIONS IN PATIENTS WITH CANCER: AN INCREASING INCIDENCE. J. Aisner,* S. C. Schimpff, J. C. Sutherland,* V. M. Young,** and P. H. Wiernik, Baltimore, Maryland. APCR page 300A

8. ROLE OF HOMOLOGOUS ANTIBODY IN RESPIRATORY SYNCYTIAL VIRUS RESPIRATORY TRACT DISEASE. C. L. Lamprecht,* H. E. Krause,* and M. A. Mufson,** Chicago, Illinois. APCR page 307A

9. LYMPHOCYTE-MEDIATED CYTOTOXICITY TO INFLUENZA VIRUS IN VACCINATED AND UNVACCINATED VOLUNTEERS. S. B. Greenberg,* B. S. Criswell,* and R. B. Couch,** Houston, Texas. APCR page 305A

10. THE EFFECT OF DENGUE VIRUS INFECTION ON THE CLINICAL SEQUELAE OF JAPANESE ENCEPHALITIS. R. Edelman, R. J. Schneider,* P. Chiewwanich,* R. Pornpibul,* and P. Voodhikul,* Bangkok and Chiangmai, Thailand. APCR page 303A

11. HUMAN AORTA ORGAN CULTURE: PROLONGED SURVIVAL WITH SUPPORT OF VIRAL REPLICATION. F. S. Rose,* N. R. Blacklow, and R. A. Whalen,* Boston, Massachusetts. APCR page 311A

12. MICROTUBULE DISRUPTION AND LYSOSOMAL FUSION IN THE MACROPHAGE. E. L. Pesanti* and S. G. Axline, Palo Alto, California. APCR page 309A

13. ANTIBACTERIAL AND ANTIVIRAL ACTIVITIES OF CLOFIBRATE. M. C. Powanda, G. A. Eddy,* W. L. Steinhart,* and P. G. Canonico,* Frederick, Maryland, and Hershey, Pennsylvania. APCR page 310A

Metabolism

Pennsylvania Room II, Haddon Hall
1:30 P.M.
Anthony Gatto and Louis Sherwood, Presiding

1. ISOLATION OF A UNIQUE PEPTIDE INHIBITOR OF HORMONE-RESPONSIVE ADENYLYL CYCLASE. D. C. Lohotzky,* G. S. Levey, L. A. Bricker,* and J. M. Canterbury,* Miami, Florida. ASCI page 421A

2. THE ROLE OF SERUM HIGH DENSITY LIPOPROTEIN IN ADRENAL CHOLESTEROL UPTAKE: REGULATION BY ADRENOCORTICOTROPIC HORMONE. J. Gwyme,* D. Mahaffee,* H. B. Brewer, Jr., and R. L. Ney, Chapel Hill, North Carolina, and Bethesda, Maryland. ASCI page 421A

3. REMOVAL OF CELLULAR LIPIDS BY HUMAN PLASMA APOLIPROTEINS. R. L. Jackson,* O. Stein,* A. M. Gatto,* and Y. Stein, Houston, Texas, and Jerusalem, Israel. ASCI page 421A

4. EFFECT OF SUCROSE POLYESTER ON CHOLESTEROL ABSORPTION IN THE RAT. F. Mattson, R. Jandacek, and C. J. Glueck (Intr. by H. C. Knowles, Jr.,**), Cincinnati, Ohio. AAP page 445A

5. MAPLE SYRUP URINE DISEASE: BRANCH-CHAIN AMINO ACID POOLS AND SPECIFIC TOXICITY OF LEUCINE ON CELL GROWTH IN CULTURED HUMAN LYMPHOBLASTS. S. D. Skaper* and J. E. Seegmiller,** La Jolla, California. APCR page 332A

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6. MUSCLE NITROGEN REPLETION AFTER PROTEIN INGESTION: KEY ROLE OF BRANCHED CHAIN AMINO ACIDS AND EVIDENCE OF A NEW DEFECT IN DIABETES. P. Felig and J. Wahren.* New Haven, Connecticut, and Stockholm, Sweden. ASCI page 420A


9. THE SYNDROME OF EXTREME INSULIN RESISTANCE AND ACANTHOSIS NIGRICANS: A PRIMARY INSULIN RECEPTOR DEFECT IN MAN. C. R. Kahn, R. S. Bar,* P. Gorden, and J. Roth, Bethesda, Maryland. AFR page 324A

10. “GLUCAGON RESISTANCE” IN FETAL AND NEONATAL RATS. E. Blazquez,* R. Rubalcava,* R. Montesano,* L. Orci,* and R. Unger,** Dallas, Texas, and Geneva, Switzerland. AFR page 315A

11. PRE-PROPARATHYROID HORMONE: PARTIAL SEQUENCE DETERMINATION OF A 115-AMINO ACID POLYPEPTIDE PRECURSOR OF PTH. J. F. Habener, B. Kemper,* M. Ernst,* A. Rich,* and J. T. Potts, Jr.,** Boston and Cambridge, Massachusetts. AFR page 321A

12. PARATHYROID GLAND TRANSPLANTATION IN PATIENTS WITH RENAL OSTEODYSTROPHY. S. A. Wells, J. C. Gunnells,** R. A. Gutman, A. B. Schneider,* and L. M. Sherwood, Durham, North Carolina, and Chicago, Illinois. AFR page 335A


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**Oncology**

West Room, Haddon Hall
1:30 P.M.

Albert S. LoBuglio and Brigid Leventhal, Preseiding

1. ANTIBODY SELECTION OF MUTANT TUMOR CELLS IN VITRO. W. T. Shearer and C. W. Parker,** St. Louis, Missouri. AFR page 342A

2. AMYLOID DISEASE AND POLYCLONAL B CELL ACTIVATION. M. A. Scheinberg and E. S. Cuthcart,** Boston, Massachusetts. AFR page 342A

3. GROWTH OF NORMAL AND LEUKEMIC MURINE LEUKOCYTES IN DIFFUSION CHAMBER CULTURES. A. M. Miller,* J. B. Marmor,* J. L. Russell,* and S. H. Robinson, Boston, Massachusetts. AFR page 341A

4. CHROMATOGRAPHIC FORMS OF TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE IN NORMAL AND LEUKEMIC HEMATOPOIETIC CELLS. R. McCaffrey, T. A. Harrison,* and D. Baltimore,* Cambridge and Boston, Massachusetts. AFR page 341A

5. CHARACTERISTICS OF RIBONUCLEIC ACID TUMOR VIRUS ISOLATED FROM CULTURED HUMAN ACUTE MYELOGENOUS LEUKEMIA CELLS. R. Gallo, R. Gallagher,* and D. Gillespie,* Bethesda, Maryland. ASCI page 424A

6. CORRELATION OF ACTIVATED MONOCYTE WITH LYMPHOBLASTIC TRANSFORMATION IN LYMPHOMA. A. L. Sagone,* A. F. LoBuglio, S. P. Balcerzak,* and G. W. King,* Columbus, Ohio. ASCI page 426A

7. EFFECT OF CHILDHOOD LEUKEMIA AND CHEMOTHERAPY ON SPONTANEOUS PUBERAL DEVELOPMENT AND REPRODUCTION IN GIRLS. E. S. Siris,* B. G. Leventhal, and J. L. Vaitukaitis, Bethesda, Maryland. AFR page 343A

8. REDUCED CYCLIC ADENOSINE MONOPHOSPHATE IN CARCINOMA OF THE HUMAN COLON. F. R. DeRobertis, R. Chayoth,* and J. B. Field,** Pittsburgh, Pennsylvania. AFR page 337A

9. PHARMACOKINETICS OF HIGH DOSE METHOTREXATE. S. A. Jacobs,* R. G. Stoller,* and B. A. Chabner* (Intr. by D. G. Johns), Bethesda, Maryland. ASCI page 425A


12. TERMINAL ACUTE LEUKEMIA AND OVERALL SURVIVAL IN POLYCYTHEMIA VERA: RELATIONSHIP TO TREATMENT. S. A. Landaw, Syracuse, New York. AFR page 340A


1975 Programs - ASCI-AFCR-AAP xxiii
Music Room, Chalfonte  
1:30 P.M.  
Warren Gold and Gareth Green, Presiding

AFCR page 346A

2. CALCIUM INFLUX AND ALVEOLAR MACROPHAGE ACTIVATION. J. D. Johnson,* D. A. Lowe,* and W. L. Hand, Atlanta, Georgia.  
AFCR page 348A

3. LYSOSOMAL ENZYME RELEASE FROM HUMAN AND GUINEA PIG ALVEOLAR MACROPHAGES DURING PHAGOCYTOSIS. G. S. Davis,* M. Mortara,* and G. M. Green,** Burlington, Vermont.  
AFCR page 346A

4. ENHANCEMENT OF BACTERICIDAL CAPACITY OF ALVEOLAR MACROPHAGES BY HUMAN “ALVEOLAR LINING MATERIAL.” J. Juers,* R. M. Rogers, and J. B. McCurdy,* Oklahoma City, Oklahoma.  
AFCR page 348A

5. BRONCHOALVEOLAR CLEARANCE OF AN ORGANIC PARTICULATE ANTIGEN AFTER INTRAPULMONARY IMMUNIZATION. H. B. Kaltreider, E. Adam,* and F. Turner,* San Francisco, California.  
AFCR page 348A

6. TRACE METALS AND THEIR EFFECT ON ALPHA-1-ANTITRYPSIN. P. Chowdhury* and D. B. Louria,** Newark, New Jersey.  
AFCR page 345A

7. EFFECT OF ACETYLCHOLINE ON ION TRANSPORT ACROSS CANINE TRACHEAL EPITHELIUM. M. G. Marin,* B. Davis,* R. E. Olver,* and J. A. Nadel,** San Francisco, California.  
AAP page 447A

8. IMPAIRED CELLULAR IMMUNITY IN SARCoidOSIS: THE LYMPHOCYTE DEFECT. G. B. Faguet, Augusta, Georgia.  
AFCR page 347A

AFCR page 352A

ASCI page 427A

AFCR page 353A

AFCR page 349A

AAP page 447A
Carolina Room, Chalfonte
1:30 P.M.
Juha Kokko and Norman Hollenberg, Presiding


2. ALTERED PERMSELECTIVITY OF THE GLOMERULAR CAPILLARY WALL TO MACROMOLECULES IN GLOMERULONEPHRITIS. R. Chang,* C. Robertson,* W. Deen,* C. Bennett,* R. Glassock,* and B. M. Breeener, San Francisco and Los Angeles, California. ASCI page 429A

3. INTRINSIC DIFFERENCES IN VARIOUS SEGMENTS OF PROXIMAL CONVOLUTED TUBULES. H. R. Jacobson* and J. P. Kokko, Dallas, Texas. ASCI page 431A

4. TUBULAR FUNCTION IN RATS WITH IMPAIRED NATRIURESIS AFTER ADRENAL ENucleation. E. A. Alexander, H. H. Bengele,* and E. R. McNamara,* Boston, Massachusetts. AFCR page 354A

5. EFFECT OF HYPOTHALAMIC STIMULATION ON RENAL BLOOD FLOW AND SODIUM EXCRETION. R. E. Hall* and V. M. Buckalew, Jr., Winston-Salem, North Carolina. AFCR page 363A

6. SODIUM-POTASSIUM ADENOSINE TRIPHOSPHATASE IN DOGS WITH AORTO-CAVAL FISTULA. C. Westenfelder, L. Nasclmento,* N. A. Kurlitzman, and A. I. Katz,** Chicago, Illinois. AFCR page 377A

7. EVIDENCE THAT THE RENAL RESPONSE TO HYPOCAPNIA IS NOT HOMEOSTATIC IN ORIGIN. J. J. Cohen,* N. E. Madias,* C. J. Wolf,* and W. B. Schwartz,** Boston, Massachusetts. ASCI page 430A

8. INHIBITORY EFFECTS OF HYPERMAGNESEMIA ON THE RENAL ACTION OF PARATHYROID HORMONE. E. Slaptopolsky, A. Mercado,* A. Morrison,* and S. Khlar, St. Louis, Missouri. AFCR page 374A

9. ROLE OF INTRARENAL ANGIOTENSIN II ON RENAL FUNCTION IN CONSCIOUS DOGS. H. M. Kimbrough, Jr.,* E. D. Vaughan, Jr., R. M. Carey, and C. R. Ayers,** Charlottesville, Virginia. AFCR page 366A

10. EFFECT OF CHRONIC PARTIAL OCCLUSION OF THE THORACIC INFERIOR VENA CAVA ON PROXIMAL NEPHRON FUNCTION IN DOGS. R. B. Auld, J. H. Kim,* and P. B. Reid,* Halifax, Nova Scotia, Canada. AFCR page 354A

11. ON THE CHARACTERIZATION OF NATRIURETIC FACTOR. J. Bourgoignie, M. Kaplan,* Ch. Eun,* H. Favre,* K. Hwang,* O. Blumenfeld,* and N. S. Bricker,** Bronx, New York. ASCI page 429A

12. DEMONSTRATION OF A RECEPTOR FOR ACTIVATED C3 IN THE HUMAN RENAL GLOMERULUS. M. C. Gelfand,* R. K. Edelson,* M. M. Frank, and I. Green, Bethesda, Maryland. ASCI page 431A

Cardiovascular III, Carolina Room, Chalfonte
Cardiovascular IV, Music Room, Chalfonte
Clinical Pharmacology, Teakwood Room, LaFayette
Dermatology, Garden Room, Haddon Hall
Endocrinology II, Rutland Room, Haddon Hall
Gastroenterology II, Viking Room, Haddon Hall
Gastroenterology III, West Room, Haddon Hall
Hematology II, Windsor Room, Haddon Hall
Hematology III, Vernon Room, Haddon Hall

Immunology and Connective Tissue II, Pennsylvania Room II, Haddon Hall
Infectious Disease II, Ramada Inn
Metabolism II, Pennsylvania Room III, Haddon Hall
Pulmonary II, Solarium, Haddon Hall
Renal and Electrolytes III, Pennsylvania Room II, Haddon Hall

†Followed by a symposium.

Cardiovascular III

Carolina Room, Chalfonte
7:30 P.M.
Robert DeJoseph, Peter R. Maroko, and James T. Willerson, Presiding


3. TECHNETIUM-99M STANNOUS PYROPHOSPHATE MYOCARDIAL IMAGING IN PATIENTS WITH LEFT VENTRICULAR ANEURYSM. M. Ahmad,* J. Dubiel,* T. A. Verdon,* and R. H. Martin,** Columbia, Missouri. page 168A

4. THE EFFECT OF MINOXIDIL ON REGIONAL MYOCARDIAL BLOOD FLOW DURING ACUTE CORONARY ARTERY OCCLUSION. P. Radvany,* M. A. Davis,* J. E. Muller,* and P. R. Maroko, Boston, Massachusetts. page 203A

5. THE EFFECTS OF APROTININ ON MYOCARDIAL ISCHEMIC INJURY FOLLOWING EXPERIMENTAL CORONARY ARTERY OCCLUSION. P. E. Diaz* and P. R. Maroko, Boston, Massachusetts. page 180A

6. EFFECT OF DIGITALIS ON PREDICTED MYOCARDIAL INFARCT SIZE IN MAN. J. Morrison, R. Pizzarello,* L. Reduto,* and S. Gulotta, Manhasset, New York. page 198A

7. CORONARY ARTERY SPASM AS A CAUSE OF ACUTE ISCHEMIA IN PATIENTS. HEMODYNAMIC AND ANGIOGRAPHIC DOCUMENTATION. A. Maseri, R. Mimmo,* S. Chierchia,* C. Marchesi,* A. Pesola,* and A. L'Abbate,* Pisa, Italy. page 195A


Music Room, Chalfonte  
7:30 P.M.  
Herman Falsetti and Michael V. Herman, Presiding


7. ISOPROTERENOL-INDUCED CARDIOMYOPATHY: CHANGES IN CARDIAC ENZYME ACTIVITIES AND PROTECTION BY MetyLpredNISOLONE. E. A. Mueller,* W. S. T. Griffin,* and K. Wildenthal, Dallas, Texas.  


Clinical Pharmacology

Teakwood Room, LaFayette Hotel  
7:30 P.M.  
Arthur J. Atkinson, Jr. and Marcus Reidenberg, Presiding


1975 Programs · ASCI-AFCR-AAP  xxvii
7. ARYL HYDROCARBON HYDROXYLASE INDUCTION IN CULTURED HUMAN LYMPHOCYTES FROM MONOZYGOTIC AND DIZYGOTIC TWINS. S. A. Atlas,* E. S. Vesell, and D. W. Nebert* (Intr. by R. J. Sherins), Bethesda, Maryland, and Hershey, Pennsylvania.

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**Dermatology**

Garden Room, Haddon Hall
7:30 P.M.
Stanford I. Lamberg and Edmund Lowney, Presiding

1. PEMPHIGUS AND PEMPHIGOID SALINE SOLUBLE ANTIGENS FROM SKIN: DETECTION BY PASSIVE HEMAGGLUTINATION. L. A. Diaz,* N. J. Calvanico,* T. B. Tomasi, Jr.,** and R. E. Jordan, Rochester, Minnesota. page 228A
2. IMMUNOFLUORESCENT STUDIES OF CICALTRICIAL PEMPIGOID. R. S. Rogers, III, and R. E. Jordan, Rochester, Minnesota. page 231A
3. TWO DISTINCT HISTOLOGIC PATTERNS OF NECROTIZING ANGIITIS IN HUMAN SKIN. N. A. Soter,* M. C. Mihm,* I. Gigli,* H. F. Dvorak,* and K. F. Austen,** Boston, Massachusetts. page 231A
4. IMMUNOLOGY OF EPIDERMAL FIBROUS PROTEINS. L. D. Lee* and H. P. Baden,** Boston, Massachusetts. page 230A

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**Endocrinology II**

Rutland Room, Haddon Hall
7:30 P.M.
Charles Hollander and Gary Robertson, Presiding

1. MECHANISM OF IMPAIRED WATER EXCRETION IN MINERALOCORTICOID DEFICIENT DOGS. J. Boykin,* A. McCool,* G. Robertson, K. McDonald, and R. Schrier, Indianapolis, Indiana. page 233A
3. ALDOSTERONE PRODUCTION BY ISOLATED GLOMERULOSA CELLS: ENHANCEMENT OF SENSITIVITY TO ANGIOTENSIN II BY POTASSIUM. P. Fredlund,* S. Saltman,* R. Ling,* and K. Catt,** Bethesda, Maryland. page 235A

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4. EFFECT OF STRESS ON PLASMA VASOPRESSIN AND CORTICOSTEROIDE IN RATS. T. C. Brennan,* R. L. Shelton,* and G. L. Robertson, Indianapolis, Indiana. page 234A
5. ON THE MECHANISM OF INHIBITION BY IODIDE OF THYROID ADENYLATE CYCLASE RESPONSIVENESS TO THYROTROPIN. B. Rapoport and S. H. Ingbar,** San Francisco, California. page 241A
6. A NEW SYNDROME OF HYPERTHYROIDISM CAUSED BY PITUITARY HYPERSECRETION OF THYROTROPIN. M. C. Gershengorn* and B. D. Weintraub, Bethesda, Maryland. page 236A

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7. ALTERED MOLECULAR HETEROGENEITY OF CIRCULATING PROLACTIN FOLLOWING THYROTROPIN RELEASING HORMONE. K. Kataoka,* Y. Imai,* and C. S. Hollander, New York, New York. page 238A

8. DEMONSTRATION OF A THYROID HORMONE DEPENDENT PROTEIN IN LIVER CYTOSOL OF MALE RATS. W. Dillman,* E. Silva,* M.L. Surks, and J. H. Oppenheimer,** Bronx, New York. page 235A

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**Gastroenterology II**

Viking Room, Haddon Hall 7:30 P.M.

Seymour Sabesin and David Saunders, Presiding


2. HEPATIC ULTRASTRUCTURAL CHANGES IN VINYL-CHLORIDE WORKERS. T. Triche,* K. Ishak,* A. Wolkoff,* and P. D. Berk, Bethesda, Maryland, and Washington, D.C. page 259A

3. THE MECHANISM OF ALCOHOLIC HEPATOMEGALY. E. Baraona,* M. A. Leo,* and C. S. Lieber,** New York, New York. page 245A

4. DEOXYCHOLIC ACID METABOLISM IN PATIENTS WITH ALCOHOLIC CIRRHOSIS. R. G. Knodell, M. D. Kinsey,* and E. C. Boedeker,* Washington, D.C. page 252A

5. METABOLISM OF CHENODEOXYCHOLATE BY INTESTINAL MUCOSA. D. Rachmilewitz* and D. R. Saunders, Seattle, Washington. page 254A

6. REGULATION OF CHOLIC ACID FORMATION IN MAN. G. Salen, G. Nicolau,* and E. H. Mosbach,* East Orange and Newark, New Jersey, and New York, New York. page 255A

7. SYNTHETIC AND NATURALLY OCCURRING BILE SALTS–MODIFIERS OF ADENOSINE TRI-

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**Gastroenterology III**

West Room, Haddon Hall 7:30 P.M.

Norton Greenberger and William Heizer, Presiding


2. PATHOGENESIS OF ARTHRITIS ASSOCIATED WITH INTESTINAL BYPASS PROCEDURE FOR MORBID OBESITY: COMPLEMENT ACTIVATION AND CHARACTERIZATION OF CIRCULATING IMMUNE COMPLEXES. J. R. Wands,* J. T. LaMont,* E. Mann,* and K. J. Isselbacher,** Boston, Massachusetts. page 259A

*1975 Programs - ASCI-AFCR-AAP* xxix
3. GLUTEN-SENSITIVE ENTEROPATHY: CORRELATION OF ORGAN CULTURE BEHAVIOR WITH HL-A STATUS. D. L. Nelson,* Z. M. Falchuk, D. Kasarda,* and W. Strober, Bethesda, Maryland, and Boston, Massachusetts. page 254A

4. THE EFFECT OF COLCHICINE ON INTESTINAL LIPOPROTEIN SECRETION. R. M. Glickman, J. L. Perrotto,* and K. Kirsch,* Boston, Massachusetts. page 249A

5. STUDIES OF HUMAN FOLATE CONJUGASE. C. H. Halsted, A. M. Reisenauer,* and J. J. Corcino, Davis, California, and San Juan, Puerto Rico. page 250A

6. ELECTRON MICROSCOPIC LOCALIZATION OF TRANSFERRIN ON RAT RETICULOCYTES. A. L. Sullivan, J. Grasso,* and L. R. Weintraub, Boston, Massachusetts. page 283A

7. FOLATE-INDUCED REMISSION IN APLASTIC ANEMIA WITH IMPAIRED CELLULAR FOLATE UPTAKE. R. F. Brandt, C. F. Moldow, and H. S. Jacob, Minneapolis, Minnesota. page 270A

8. NEUTROPHIL APASLIA: EVIDENCE FOR A CIRCULATING INHIBITOR OF GRANULOPoIESIS. M. J. Cline, D. W. Golde, G. Opelz,* and J. L. Fahey,** Los Angeles and Duarte, California. page 270A

9. SERUM COLONY STIMULATING RESPONSES IN TOLERANT AND INFECTED MICE. P. Quesenberry, H. Cohen,* M. Ryan,* and F. Stohlman, Jr.,** Boston, Massachusetts. page 280A


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**Hematology II**

Windsor Room, Haddon Hall 7:30 P.M.

Paul Chervenick and Sanford Krantz, Presiding

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**Hematology III**

Vernon Room, Haddon Hall 7:30 P.M.

David Green and Simon Karpatkin, Presiding

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3. LEUKOCYTE-PLATELET INTERACTION: RELEASE OF H₂O₂ BY GRANULOCYTES AS A MODULATOR OF PLATELET REACTIONS. P. H. Levine, R. S. Weinger,* J. Simon,* K. L. Scoon,* and N. I. Krinsky,* Boston, Massachusetts. page 277A

4. ROLE OF GAS TRANSPORT ACROSS PLASTIC CONTAINERS IN MAINTENANCE OF VIABILITY OF PLATELET CONCENTRATES STORED AT 22 CENTIGRADE. S. Murphy and F. H. Gardner,** Philadelphia, Pennsylvania. page 279A

5. THE PHYSIOLOGIC SIGNIFICANCE OF THE THROMBIN RECEPTOR ON PLATELETS. M. A. Shuman and P. W. Majerus, St. Louis, Missouri. page 282A

6. IN VIVO AND IN VITRO EFFECTS OF THROMBIN AND PLASMIN ON FACTOR VIII. E. C. Y. Lian, R. Nunez,* and D. R. Harkness, Miami, Florida. page 277A

Immunology and Connective Tissue II

Pennsylvania Room I, Haddon Hall
7:30 P.M.

J. Claude Bennett and Alfred Steinberg, Presiding

1. IDENTIFICATION AND CHARACTERIZATION OF TWO SEPARATE POPULATIONS OF HUMAN PERIPHERAL BLOOD LYMPHOCYTES BEARING SURFACE IMMUNOGLOBULIN. P. I. Lobo* and D. A. Horwitz, Charlottesville, Virginia. page 294A

2. THE ASSOCIATION OF α2 MACROGLOBULIN WITH THE Fc RECEPTOR ON B LYMPHOCYTES. F. Gelder,* P. Hurtubise,* J. Scillian,* and S. Murphy, Columbus, Ohio. page 291A

3. STUDY OF PERIPHERAL BLOOD LYMPHOCYTES IN SYSTEMIC LUPUS ERYTHEMATOSUS. W. Glinski,* M. E. Gershwin,* and A. D. Steinberg, Bethesda, Maryland. page 291A

4. LYMPHOCYTE CELL MEMBRANE IMMUNOGLOBULIN D. F. D. Finkelman,* J. A. van Boxel,* R. Asofsky,* and W. E. Paul, Bethesda, Maryland. page 289A


6. A SIMPLE METHOD FOR IDENTIFYING COMPLEMENT RECEPTOR-BEARING MONONUCLEAR CELLS. J. A. Gelfand,* A. S. Fauci, I. Green,* and M. M. Frank, Bethesda, Maryland. page 291A

7. EFFECTOR CELL ACTIVITY IN HUMAN ANTIBODY-DEPENDENT CELLULAR CYTOTOXICITY: VARIABILITY WITHIN AND BETWEEN INDIVIDUALS AND EFFECT OF PHAGOCYTE DEPLETION. S. E. Miller,* J. H. Grendell,* S. R. Berger,* W. B. Kirchner,* and D. M. Bell,** Boston, Massachusetts. page 294A

8. HLA-W27 AND CELLULAR IMMUNITY TO IMMUNOGLOBULIN G IN PATIENTS WITH ANKYLOSING SPONDYLITIS AND THEIR FAMILIES. R. H. Weisbart, R. I. Morris,* P. I. Terasaki,* R. Bluestone, and L. S. Goldberg, Los Angeles, California. page 299A

Symposium
“Structure and Function at the Lymphocyte Surface”

Moderator: J. Claude Bennett

Participants:

1. GENETIC CONTROL OF SPECIFIC IMMUNE RESPONSES: IMPLICATIONS FOR IMMUNOBIOLOGY AND DISEASE SUSCEPTIBILITY. William Paul, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland.

2. THYMopoietin AND T CELL DIFFERENTIATION. Gideon Goldstein, Memorial Sloan-Kettering Cancer Center, New York, New York.


1975 Programs · ASCI-AFCR-AAP  xxxi
1. DEFECTIVE NEUTROPHIL CHEMOTAXIS IN ENDOTOXEMIA. M. C. Territo,* M. J. Cline, and D. W. Golde (Intr. by R. I. Lehrer), Los Angeles, California. page 312A

2. DEFICIENT CHEMOTAXIS IN DIALYSIS PATIENTS WITH CORRECTION FOLLOWING TRANSPLANTATION. W. H. Greene,* S. M. Mauer,* and P. G. Quie,** Minneapolis, Minnesota. page 305A

3. RELATIONSHIP OF ENDOTOXIN PROPERTIES TO CLINICAL EFFECTS OF MENINGOCOCCI. C. E. Davis and K. Arnold,* San Diego, California. page 302A

4. INFLUENCE OF COLONIAL TYPE ON SUSCEPTIBILITY OF GONOCOCCI TO KILLING BY HUMAN SERUM. J. A. McCutchan, S. Levine, and A. L. Braude, San Diego, California. page 308A


7. GLUCOSE METABOLISM BY MACROPHAGES DURING MYCOPLASMA INFECTION. T. C. Jones and L. C. Yang,* New York, New York. page 306A

8. CIRCULATING LYMPHOCYTE SUBPOPULATIONS IN VIRAL GASTROENTERITIS. R. Dolin, R. C. Reichman,* and A. S. Fauci, Bethesda, Maryland. page 303A

9. LYMPHOCYTE RESPONSIVENESS TO O AND K ANTIGENS OF E. COLI IN EXPERIMENTAL PYELONEPHRITIS. J. W. Smith and B. Kaijser,* Dallas, Texas, and Goteborg, Sweden. page 312A

10. LOCAL OR SYSTEMIC BACILLUS CALMETTE GUERIN IMMUNIZATION USED TO NONSPECIFICALLY PROTECT MICE AGAINST INFLUENZA VIRUS INFECTION. J. C. Spencer,* R. Ganguly,* and R. H. Waldman, Gainesville, Florida. page 312A

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**Metabolism II**

Pennsylvania Room III, Haddon Hall
7:30 P.M.
Jack Coburn and Ralph Goldsmith, Presiding

1. INCREASED CIRCULATING 1a,25-DIHYDROXY-VITAMIN D3 IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM. M. R. Haussler, K. M. Bursac,* H. Bone,* and C. Y. C. Pak, Tucson, Arizona, and Dallas, Texas. page 322A

2. 1,25-HYDROXYCHOLECALCIFEROL INHIBITION OF PARATHYROID HORMONE SECRETION. B. S. Chertow, D. Baylink,** J. Wergedal, and A. Norman, Chicago, Illinois; Seattle, Washington; and Riverside, California. page 316A


4. ACUTE METABOLIC ACIDOSIS ON CALCIUM MOBILIZATION FROM BONE AND CALCIUM EXCRETION, AND ON PARATHYROID HORMONE ACTIONS. S. W. Reed and N. Beck, Pittsburgh, Pennsylvania. page 328A
8. ORGANS AND SUBCELLULAR SITES INVOLVED IN CATABOLISM OF CANINE APOLIPOPROTEIN A. T. Nakai* and T. F. Whayne, Jr., Oklahoma City, Oklahoma. 

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Solarium Haddon Hall
7:30 P.M.
Jerome Brody and Barry Fanburg, Presiding

Pulmonary II

7. SYNTHESIS OF COLLAGEN IN CULTURED LUNG CELLS. N. Elson, K. Bradley,* A. Hance,* A. Kniassell,* S. Breul,* A. Horwitz,* and R. Crystal, Bethesda, Maryland. 
Renal and Electrolyte III

Pennsylvania Room II, Haddon Hall
7:30 P.M.
Thomas Andreoli and Barry M. Brenner, Presiding

1. URIC ACID SECRETION IN ISOLATED PERFUSED RABBIT KIDNEY TUBULES: COMPARISON OF PROXIMAL CONVOLUTED, PROXIMAL STRAIGHT AND CORTICAL COLLECTING SEGMENTS. A. M. Chonko,* C. M. Lowe,* and J. J. Grantham, Kansas City, Kansas.

2. AMIDE TRANSPORT CHANNELS IN TOAD URINARY BLADDER. S. D. Levine,* R. E. Worthington,* and R. M. Hays,** Bronx, New York.

3. DISTAL CHLORIDE TRANSPORT: EFFECTS OF ACUTE BICARBONATE INFUSIONS AND HYPERCAPNIA. J. F. Seely, Montreal, Quebec, Canada.


5. SITE OF STIMULATION OF H+ SECRETION BY ALDOSTERONE IN TURTLE BLADDER. Q. Al-Awqati, R. Beauwens,* A. Mueller,* and F. R. Steinmetz,** Iowa City, Iowa.


7. ANGIOTENSIN II EFFECTS ON GLOMERULAR PERMEABILITY COEFFICIENT OF THE RAT. R. C. Blantz, San Diego, California.

8. MECHANISM OF DIURETIC RESPONSE TO INCREASED LEFT ATRIAL PRESSURE IN THE ANESTHETIZED DOG. A. de Torrente,* G. Robertson, K. McDonald, and R. Schrier, Denver, Colorado, and Indianapolis, Indiana.

Symposium
“Recent Advances in the Regulation of Antidiuretic Hormone Release”
Moderator: Jay H. Stein
Participants:


2. NON-OSMOTIC CONTROL OF RENAL WATER EXCRETION. Robert Schrier, University of Colorado, Denver, Colorado.

3. OSMOLAR REGULATION OF VASOPRESSIN IN MAN. Gary Robertson, University of Indiana, Indianapolis, Indiana.

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MEETING FOR AFCR WOMEN
MONDAY, MAY 5, 1975
(See listing under Specialty Clubs, page 176)
ALL PERSONS REGISTERED AT NATIONAL MEETING WELCOME

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Program

Eighty-eighth Annual Meeting

THE ASSOCIATION OF AMERICAN PHYSICIANS

Pennsylvania Room, Haddon Hall

Atlantic City, New Jersey

TUESDAY, MAY 6, 1975

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MORNING SESSION 9:00 A.M.

General Business Meeting 9:00 A.M.

Presidential Address
David E. Rogers

Scientific Session
David E. Rogers, Presiding

1. DIFFUSE FASCIITIS WITH EOSINOPHILIA: A NEW SYNDROME? L. E. Shulman* (Intr. by V. A. McKusick), Baltimore, Maryland. page 443A

2. VASOACTIVE INTESTINAL POLYPEPTIDE: ELEVATED PLASMA AND TISSUE LEVELS IN THE WATERY-DIARRHEA SYNDROME DUE TO PANCREATIC AND OTHER TUMORS. S. I. Said* (Intr. by D. W. Seldin), Dallas, Texas. page 440A

3. HEPATITIS A VIRUS INFECTION: IDENTIFICATION BY A SPECIFIC IMMUNE ADHERENCE TEST. S. Krugman, New York, New York. page 445A

4. PREVENTION OF LETHAL PSEUDOMONAS BACTEREMIA WITH EPIMERASE-DEFICIENT E. COLI ANTISERUM. E. J. Ziegler,* H. Douglas,* and A. I. Braude, La Jolla, California. page 445A

5. A CONTROLLED CLINICAL TRIAL TO EVALUATE PROTECTED ENVIRONMENT PROPHYLACTIC ANTIBIOTIC PROGRAM IN THE TREATMENT OF ADULT ACUTE LEUKEMIA. E. I. Freireich,* V. Rodriguez,* E. Gehan,* T. Smith,* and G. P. Bodey* (Intr. by R. Rawson), Houston, Texas. page 446A

6. THE ROLE OF SUPPRESSOR T CELLS IN THE PATHOGENESIS OF HYPOGAMMAGLOBULINEMIA WITH A THYMOMA. T. A. Waldmann, S. Broder,* M. Durm,* M. Blackman,* R. Krakauer,* and B. Meade,* Bethesda, Maryland. page 447A

7. ENHANCEMENT OF T-LYMPHOCYTE DIFFERENTIATION IN VITRO BY THYMIC EXTRACTS AFTER BONE MARROW TRANSPLANTATION IN SEVERE COMBINED IMMUNODEFICIENCIES. G. S. Incefl,* L. Boumsell,* J. L. Touraine,* P. L'Esperance,* E. Smithwick,* R. O'Reilly,* and R. A. Good, New York, New York. page 443A

8. PROSTAGLANDIN INDUCED BONE RESORPTION BY RHEUMATOID SYNOVIA. D. R. Robinson,* A. H. Tashjian, Jr.,* and L. Levine* (Intr. by A. Leaf), Boston and Waltham, Massachusetts. page 443A

9. TWO NEW INDEXES FOR ASSESSING CLINICAL IMPROVEMENT IN ANGINA PECTORIS. A. R. Feinstein and C. K. Wells,* New Haven, Connecticut. page 436A

10. PROGRESS IN THE METHODOLOGY FOR ANTENATAL DIAGNOSIS OF THE BETA CHAIN HEMOGLOBINOPATHIES. D. G. Nathan, Boston, Massachusetts. page 440A

*By invitation.

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AFTERNOON SESSION 2:00 P.M.

Report on Election of Officers and New Members

Presentation of The George M. Kober Medal to Walsh McDermott by Paul B. Beeson

Scientific Session Lloyd H. Smith, Jr., Presiding


12. MALIGNANT HYPERTENSION WITH HYPOKALEMIA IN A PATIENT WITH RENIN-PRODUCING PULMONARY CARCINOMA. J. Genest, J. M. Rojo-Ortega,* O. Kuchel,* R. Boucher,* W. Nowaczynski,* R. Lefebvre,* M. Chretien,* and M. Cantin,* Montreal, Canada. page 448A

13. DETECTION, QUANTITATION AND PATHOPHYSIOLOGY OF LUNG SPIDERS. E. D. Robin, B. Horn,* M. L. Goris,* J. Theodore,* A. Van Kessel,* and A. Tilkian,* Stanford, California. page 448A


15. A PHYSICOCHEMICAL BASIS FOR TREATMENT OF ENTERIC HYPEROXALURIA. D. L. Earnest,* H. E. Williams, and W. H. Admirand,* San Francisco, California. page 439A

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