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## THIRTY-SECOND ANNUAL MEETING JUNE 24-25 IN WASHINGTON, D.C.

The Washington Hilton in Washington, D.C., will be the site of the Scientific Sessions of the Thirty-second Annual Meeting of the American Diabetes Association June 24-25, which climax the Insulin Fiftieth Anniversary Year—1971-1972. The Central Council will meet Thursday, June 22, and the Board of Directors, Friday, June 23.

### REGISTRATION

The Scientific Sessions are open to members of the medical and allied professions. There is no registration fee for Members of the Association or The Endocrine Society. The registration fee for all others is \$10.00 which includes a copy of the Printed Program. Everyone is required to register and admission is by badge only.

## THE ENDOCRINE SOCIETY

The Endocrine Society will hold its annual Committee Meetings June 17-18 and Business Meeting on June 18 at the Sheraton-Park Hotel in Washington, D.C. There will be no separate scientific program; the annual scientific program will be constituted by participation in the formal scientific program of the Fourth International Congress of Endocrinology, June 18-24, at the Sheraton-Park.

### SCIENTIFIC SESSIONS

Seventy papers will be presented in six Scientific Sessions as follows: Saturday, June 24 (two concurrent sessions in the afternoon); Sunday, June 25 (two concurrent in the morning and two concurrent in the afternoon).

The Insulin Fiftieth Anniversary Commemorative Symposium, a combined session, will be held Saturday morning, June 24, 9:00 a.m.—12:30 p.m. Following a welcome by Stefan S.

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Fajans, M.D., Ann Arbor, President of the Association, "Introduction—Overview," will be presented by Arthur R. Colwell, Sr., M.D., Chicago, Moderator, after which these papers will be presented: "Discovery of Insulin: Early Physiological Studies," Charles H. Best, M.D., Toronto; "Mechanism of Action of Insulin," Rachmiel Levine, M.D., Duarte, California; "Insulin Antibodies, Radioimmunoassay of Insulin," the late Solomon A. Berson, M.D., New York, and Rosalyn S. Yalow, Ph.D., New York; "Proinsulin—Biosynthesis of Insulin," Donald F. Steiner, M.D., Chicago.

Abstracts of papers to be presented, those by title, and pertinent information will be published in the Program. It will be distributed without charge to Members of the Professional Section of the Association and to subscribers to this Journal. Single copies are \$2.00 each to all others.

### MEETING HIGHLIGHTS

- "A Tribute to Drs. Banting and Best on the Fiftieth Anniversary of Their Discovery of Insulin," a public meeting, will take place on Friday, June 23, at 8:00 p.m. Dr. Best, Mrs. Best and Lady Henrietta Banting, widow of Sir Frederick, all of Toronto, will be present to participate. Randall G. Sprague, M.D., Rochester, Minnesota, a Past President of the Association, will speak on "Fifty Years of Insulin."
- Dorothy C. Hodgkin, Ph.D., will present the Banting Memorial Lecture entitled "The Structure of Insulin," and will receive a Banting Medal. Dr. Hodgkin is Wolfson Research Professor, Laboratory of Molecular Biophysics, Department of Zoology, Oxford University, Oxford, England, and Nobel laureate in Chemistry (1964).
- Jon W. Hall, Kansas City, President of the Missouri State Diabetes Association, will receive the Citation as an Out-

standing Layman at the Central Council Dinner on Thursday, June 22, from Addison B. Scoville, Jr., M.D., Nashville, Vice President: Central Council.

### ANNUAL BANQUET

The Annual Banquet and Social Hour are scheduled for Saturday evening, June 24. Members, their families and friends are cordially invited to attend. Highlights of the Banquet will include:

- Presentation of Lilly Award to John H. Exton, Ph.D., Professor of Physiology, Vanderbilt University School of Medicine, Nashville, Tennessee. Dr. Exton will present a paper entitled "The Role of Glucocorticoids in the Enhancement of Hepatic Gluconeogenesis by Diabetes" during the Scientific Session on Sunday afternoon, June 25.
- Insulin Fiftieth Anniversary Commemorative Medallions will be presented to Sir Frederick Banting, Toronto (posthumous), Solomon A. Berson, M.D., New York (posthumous), Charles H. Best, M.D., Walter R. Campbell, M.D., Toronto, Carl F. Cori, Ph.D., Boston (in absentia), Dorothy C. Hodgkin, Ph.D., Bernardo A. Houssay, M.D., Buenos Aires (posthumous), Panayotis G. Katsoyannis, Ph.D., New York, Rachmiel Levine, M.D., Duarte, Calif., Frederick Sanger, Ph.D., Oxford, England (in absentia), Donald F. Steiner, M.D., Chicago, K. Z. Wang, People's Republic of China, Rosalyn S. Yalow, Ph.D., New York, Helmut Zahn, Dr.-Ing., Aachen, Federal German Republic.
- Dr. Fajans, President of the Association, will deliver an address, following which he will receive a Banting Medal from James B. Hurd, M.D., Chicago, Immediate Past President.

## TENTH RESEARCH SYMPOSIUM

"Cell Membranes: Structure and Behavior" is the title of the Tenth Research Symposium of the American Diabetes Association, to be held at The Drake in Chicago, Illinois, October 12-13. The Symposium is a project of the Committee on Research of which Rachmiel Levine, M.D., Duarte, California, is Chairman, and Arnold Lazarow, M.D., Ph.D., Minneapolis, Vice Chairman. Dr. Levine will be Director and Dr. Lazarow Co-Director of the Symposium.

The program, which includes a registration form, will be sent to all Members of the Professional Section. The Symposium is open to the aforementioned Members and to others by invitation.

Fee for the Symposium is \$50.00. Fellows, residents and interns in a training status who have not completed five years of formal training may register for a fee of \$25.00.

## PROGRAM

OCTOBER 12—

### Morning Session

Chairman—Rachmiel Levine

8:50-9:00

Introduction—Rachmiel Levine

9:00-9:45

Membrane Transport in Bacterial Systems—Eugene P. Kennedy

9:45-10:00

Discussion

10:00-10:45

Periplasmic Sugar Binding Proteins and Their Relation to Transport and Chemotaxis—Herman M. Kalckar

10:45-11:00

Discussion

11:00-11:45

Biochemistry of Mammalian Cell Surfaces—Leonard Warren

11:45-12:00

Discussion

### Afternoon Session

Chairman—Eugene Kennedy

2:00-2:45

Synthesis and Turnover of Intracellular Membranes in Animal Tissues—Robert Schimke

2:45-3:00

Discussion

3:00-3:45

The Molecular Principles of Membrane Construction—David E. Green

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3:45-4:00  
Discussion

4:00-4:45  
Transduction of Signals Received by Membranes—Oscar Hechter, Lutz Birnbaumer

4:45-5:00  
Discussion

OCTOBER 13—

*Morning Session*

*Chairman*—Oscar B. Crofford

9:00-9:45  
Studies of Glucose Transport in Mammalian Membrane Systems—Donald B. Martin

9:45-10:00  
Discussion

10:00-10:45  
Enzymes and Carriers of the Brush Border Membrane—Robert K. Crane

10:45-11:00  
Discussion

11:00-11:45  
Regulation of Adenyl Cyclase Activation by Hormones—Martin Rodbell

11:45-12:00  
Discussion

*Afternoon Session*

*Chairman*—Arnold Lazarow

2:00-2:45  
Insulin Binding and Degradation by Adipocyte Membranes—Oscar B. Crofford, Tetsuro Kono

2:45-3:00  
Discussion

3:00-3:45  
The Insulin Receptor of Fat and Liver Cell Membranes—Pedro Cuatrecasas

3:45-4:00  
Discussion

4:00-4:45  
Permeability of the Pancreatic Islet Cell Membranes—Dudley Watkins, Sherwin J. Cooperstein, Arnold Lazarow

4:45-5:00  
Discussion

**PARTICIPANTS**

LUTZ BIRNBAUMER, Associate Professor, Dept. of Physiology, Northwestern University Medical School, Chicago  
SHERWIN J. COOPERSTEIN, Professor and Chairman, Dept. of Anatomy, University of Connecticut School of Medicine, Hartford

ROBERT K. CRANE, Professor and Chairman, Dept. of Physiology, Rutgers Medical School, New Brunswick

OSCAR B. CROFFORD, Associate Professor of Medicine and Physiology, Vanderbilt University Medical School, Nashville

PEDRO CUATRECASAS, Associate Professor of Medicine and of Pharmacology and Experimental Therapeutics, The Johns Hopkins University School of Medicine, Baltimore.

DAVID E. GREEN, Director, Institute for Enzyme Research, University of Wisconsin, Madison

OSCAR HECHTER, Davis Professor and Chairman, Dept. of Physiology, Northwestern University Medical School, Chicago

HERMAN M. KALCKAR, Professor of Biological Chemistry, Harvard Medical School; Research Biochemist, Massachusetts General Hospital, Boston

EUGENE P. KENNEDY, Hamilton Kuhn Professor of Biological Chemistry, Harvard Medical School, Boston

TETSURO KONO, Associate Professor of Physiology, Vanderbilt University Medical School, Nashville

ARNOLD LAZAROW, Professor and Chairman, Dept. of Anatomy, University of Minnesota School of Medicine, Minneapolis

RACHMIEL LEVINE, Executive Medical Director, City of Hope Medical Center, Duarte

DONALD B. MARTIN, Associate Professor of Medicine, Harvard Medical School; Associate Physician, Massachusetts General Hospital, Boston

MARTIN RODBELL, Chief, Section on Membrane Regulation, National Institute of Arthritis and Metabolic Diseases, N.I.H., Bethesda

ROBERT SCHIMKE, Professor of Pharmacology and Biology, Stanford University, Palo Alto

LEONARD WARREN, American Cancer Society Professor, Dept. of Therapeutic Research, University of Pennsylvania School of Medicine, Philadelphia

DUDLEY WATKINS, Associate Professor, Dept. of Anatomy, University of Connecticut School of Medicine, Hartford

**SUMMER CAMP LIST AVAILABLE**

A list of summer camps for diabetic children across the nation, a large number of them sponsored by our Affiliate Associations, is now available. Address your request to the American Diabetes Association, 18 East 48th Street, New York, N.Y. 10017. To expedite handling, please enclose a No. 10 envelope (9½" x 4¼"), bearing an eight-cent stamp and your address.

**ADA FORECAST FEATURES ARTICLE ON COMMON ERRORS IN URINE TESTING**

Frequent mistakes made by patients in carrying out urine tests for sugar are discussed in "Pitfalls in Urine Testing," by Patricia A. Lawrence, R.N., M.A., which appears in the March-April issue of ADA FORECAST. Copies of the issue are available at 50¢ each.

**NEWS OF AFFILIATE ASSOCIATIONS**

The GEORGIA DIABETES ASSOCIATION and the Atlanta Graduate Medical Assembly presented "A Day of Diabetes Mellitus" in Atlanta on March 14 in commemoration of the Fiftieth Anniversary of the Discovery of Insulin. John K. Davidson, III, M.D., Ph.D., Atlanta, presided for the morning session, during which the following papers were given: "Fifty Years of Insulin," Randall G. Sprague, M.D., Ph.D., Rochester, Minnesota; "Insulin Therapy at the Joslin Clinic: 1922-1972," Alexander Marble, M.D., Boston; "Guidelines for the Contemporary Treatment of Diabetes Mellitus with Diet or with Diet and Insulin," E. A. Haunz, M.D., Grand Forks, North Dakota; "Side Effects of Insulin Therapy," Max Ellenberg, M.D., New York.