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AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

WINTER

GENERAL MEETING



General Session — Monday, January 29, 1962 — 2:00 P.M.

Grand Ballroom — Statler Hilton Hotel — New York City

PROGRAM

Welcome —

R. W. Gillette, Consolidated Edison Company of New York, Inc.,
General Chairman 1962 Winter General Meeting

Introduction of T. Keith Glennan, President of Case Institute of Technology —

W. H. Chase, Ohio Bell Telephone Company,
President, American Institute of Electrical Engineers

Address — Dr. Thomas Keith Glennan — "The Professional Frontier"

Report of Nominating Committee, Year 1962-1963 —

Chairman of Nominating Committee

Presentation of Prize Awards —

L. F. Kennedy, General Electric Company
Chairman, Prize Awards Committee

Volta Scholarship Introduction — R. W. Gillette

Dr. P. A. Abetti, General Electric Company,
Chairman of the Volta Memorial Scholarship Fund

Presentation of Honorary Membership to Dr. Philip Sporn

Past President, Member of Executive Committee
American Electric Power Company

Citation of the Recipient — H. A. Winne

Director, American Electric Power Company

Presentation by President Chase

Response by Dr. Sporn

Presentation of the Edison Medal to Dr. William B. Kouwenhoven —

Professor Emeritus of Electrical Engineering,
The Johns Hopkins University

Establishment of the Medal — F. E. Harrell

Skidmore Gear Company
Chairman, Edison Medal Committee

Career of the Medalist — F. Hamburger, Jr.

Chairman, Electrical Engineering Department
The Johns Hopkins University

*Byron I called him
Felix Frankfurter
to his face one time!*

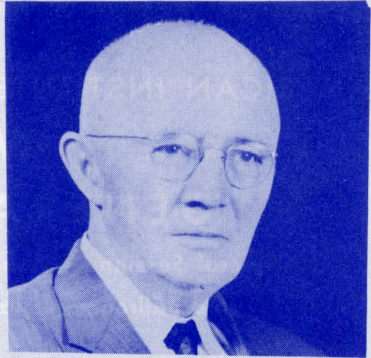
Response by Dr. Kouwenhoven

Address — W. H. Chase

Announcements — R. W. Gillette



EDISON AWARD



DR. WILLIAM B. KOUWENHOVEN

William B. Kouwenhoven was born on January 13, 1886, in Brooklyn, N. Y. Polytechnic Institute of Brooklyn awarded him the degree of EE in 1906 and the degree of ME in 1907.

Dr. Kouwenhoven went abroad in 1910, and studied at the Grossherzoglichen Technischen Hochschule in Karlsruhe, Baden, Germany. He received the degree of Diplom Ingenieur, Summa Cum Laude, in 1912, and his Doktor Ingenieur, Magna Cum Laude, in 1913.

In 1914, he was appointed instructor in electrical engineering at the new Engineering School at The Johns Hopkins University, where he has since been associated almost continuously.

He has had two careers at Johns Hopkins; one in engineering and the other in medicine.

In World War I he was assigned to the National Bureau of Standards, working on the magnetic testing of rifle barrel steel. On leave from Johns Hopkins in 1919-1920, he worked as superintendent of batteries and flashlights for the Winchester Repeating Arms Company. During World War II, he was director of the Shell Banding Project for the National Defense Research Committee.

Dr. Kouwenhoven returned to Johns Hopkins as associate professor in 1920. In 1938, he was appointed head of the Department of Electrical Engineering and Dean of School of Engineering. Upon his retirement in 1954, he was made Professor Emeritus.

His medical career began in 1928, when the University received a gift of \$10,000 for a study of the effects of electricity on the human body. Dr. Kouwenhoven was selected as a member of the team to carry on this study. He has since devoted much time to this research. In 1956 he was appointed lecturer in surgery at the School of Medicine. This work has become a full time activity.

Dr. Kouwenhoven has been active in research in Electrical Measurements, Contact Resistance Welding, Insulation, "The Effects of Electricity on the Human Body," and the Treatment of Ventricular Fibrillation by the Application of Electric Shocks. These studies have led to the development of External Heart Massage, a simple method of maintaining the blood flow when the heart stops.

Dr. Kouwenhoven is a fellow of the AIEE.

Dr. Kouwenhoven was vice president of AIEE 1931-1933, and a Director, 1935-1939. He has also served on 21 committees.

Philip Sporn was born in Austria, November 25, 1896, and was brought to this country as a child. Mr. Sporn was naturalized in 1907. He was graduated from Columbia University in 1917 with a degree in electrical engineering. He has received numerous engineering honors, including the John Fritz Medal and the AIEE Edison Medal. He has honorary degrees from eleven colleges and universities.

Mr. Sporn joined American Electric Power in 1920 as an Assistant Engineer. He was president of the parent company and its subsidiaries from 1947 until his retirement in 1961.

The 1,100,000-kw Philip Sporn Plant on the Ohio River at New Haven, W. Va., is named in honor of Mr. Sporn, under whose aegis as Chief Engineer and then as President much of the Company's growth has occurred.

An acknowledged leader and pioneer in the electric power field, Mr. Sporn has over a period of four decades carried out a great deal of original work in electric power generation, extra high voltage electric power transmission, distribution, utilization, and lightning protection. This work has resulted in significant improvements in the economical mass generation and high voltage transmission of electric energy and in the operation of integrated electric power systems extending over an area of close to 100,000 square miles.

Of late years, Mr. Sporn has devoted much time and effort to the field of atomic energy. He is a former President of Nuclear Power Group, Inc., and has been Chairman of the Research and Development Committee of East Central Nuclear Group, Inc., since its formation in 1958.

He was instrumental in formation and is president of the Ohio Valley Electric Corporation, an organization of 15 electric utilities furnishing power to the Atomic Energy Commission's diffusion plant at Portsmouth, Ohio.



PHILIP SPORN

PRIZE PAPER AWARDS

Philip Sporn, First Prize
General Committees (best article in
ELECTRICAL ENGINEERING)
American Electric Power Company

Ralph J. Tallent and
Henry Oman, co-authors, First Prize
General Applications Division
Boeing Airplane Company

Paul K. C. Wang, First Prize
Industry Division
International Business Machines Corp.

Lionel O. Barthold and
Gordon K. Carter, co-authors, First Prize
Power Division
General Electric Co.

R. J. Metz and
Joseph G. Fay, co-authors, First Prize
Science and Electronics Division
Westinghouse Electric Corp.

James H. Mulligan, Jr. and
Sidney S. Shamis, co-authors,
Second Prize
Science and Electronics Division
New York University

William J. Wilson, First Prize
National Student Paper
University of Washington (Seattle)

Richard F. Overmyer, Second Prize (tie)
National Student Paper
California State Polytechnic College

Dean R. Harrison, Second Prize (tie)
National Student Paper
University of Utah

DR. T. KEITH GLENNAN

Guest Speaker



Thomas Keith Glennan is President of Case Institute of Technology, Cleveland, Ohio, and was Administrator of the National Aeronautics and Space Administration under Former President Eisenhower. He was born in Enderlin, N. D., in 1905 and studied at Yale University, receiving his B.S. degree in 1927. He received an honorary Doctor of Science degree from Clarkson College in 1950, and an honorary degree of E.D., from Stevens Institute of Technology in 1951.

Dr. Glennan's engineering career began with Electrical Research Products, Inc., (subsidiary of Western Electric) from 1927-35. He became president of Case in 1947, and was on leave for two years to work with NASA. He was a member of the Atomic Energy Commission (in 1950-52).

The United States Government awarded him the Medal of Merit for his services at underwater sound laboratories.

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Schmidt (15) Austin, Tex
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F H Knapp Clear Dtz
DE Trueson (10) mg
Trueson W R Clerk Phil
Prest BR Team JPP

WARREN H. CHASE
President, American
Institute of Electrical
Engineers