

DR. ARTHUR M. SQUIRES
RECIPIENT OF
1973 STORCH AWARD

THE HENRY H. STORCH AWARD

Friends of Dr. Henry H. Storch established the Award in 1964 as a memorial to him for his outstanding achievements as a physical chemist and a research director. Dr. Storch's major work involved fundamental research on the chemistry of coal and on engineering studies of coal utilization. Much of this work was accomplished while he was director of research at the U. S. Bureau of Mines from 1928 to 1951. The Award, administered by the Division of Fuel Chemistry, is given annually to a U. S. citizen who has contributed most to fundamental or engineering research on the chemistry and utilization of coal, or related materials, in the preceding five years. The Award consists of a plaque and an honorarium of \$100, which are presented at the Fall National Meeting of the American Chemical Society.

Biography

Arthur M. Squires is Professor and Chairman, the Chemical Engineering Department of the City College of the City University of New York. There he heads a fifteen-man research team working under a grant from the RANN Program (of the National Science Foundation) to convert coal into clean fuels.

Born in Neodesha, Kansas (March 21, 1916), he completed elementary and high school in Higginsville and Columbia, Missouri, respectively. In 1938, the University of Missouri granted him an A.B. with distinction in chemistry. In 1947, he obtained a Ph.D., in physical chemistry, under the late John Kirkwood at Cornell University.

Dr. Squires' interest in engineering was aroused during World War II through his association with Manson Benedict, now of M.I.T., whom he assisted in the process design of the Oak Ridge gaseous diffusion plant for concentrating Uranium-235. Subsequently he became Assistant Director (1946-1951) and Director (1951-1959) of Process Development at Hydrocarbon Research, Inc.,

where he worked on producing synthesis gas from natural gas, fuel oil, and coal. From 1959 to 1971, he served as a consultant to various chemical process industries. In 1967, Dr. Squires joined the faculty of Chemical Engineering, City College of the City University of New York as a full Professor; and in 1970 he was elected Chairman of the Department.

Dr. Squires holds sixteen U. S. patents dealing with fuel processing, gas cleaning, fluid-particle technology, and power generation; and he has published more than thirty papers in these fields.

Dr. Squires is a member of various chemical and engineering societies, here and abroad, and is a Fellow of the American Association for Advancement of Science. Among his committee memberships are: Committee on Environmental Alteration, and Ad Hoc Committee of the American Society of Mechanical Engineers for Setting Goals for Energy Research.

For many years, Dr. Squires has had a deep interest in the arts, particularly music. He played a leading role in the formation of New York Pro Musica and is a member of its board of directors. He was a soloist for the group, and even now finds time for singing lessons. In addition, he plays the harpsichord for relaxation.

THE DIVISION OF FUEL CHEMISTRY
HENRY H. STORCH AWARD

Established 1964

Irving Wender	1964
Everett Gorin	1965
R. A. Friedel	1966
H. R. Linden	1967
J. H. Field	1968
P. L. Walker, Jr.	1969
George Richard Hill	1971
Robert W. Van Dolah	1972
Arthur M. Squires	1973

