Duane W. Gagle

The contributions of Duane W. Gagle to the advancement of asphalt technology are numerous. Among them was the initiation of automatic blending of asphalt products, a technique now in general use throughout the world. Mr. Gagle also contributed to the development of the now prevalent system of measuring the consistency of liquid asphalts by Kinematic viscosity at a single temperature, a method developed to replace the Saybolt-Furol system of measuring viscosity at several temperatures. This leading asphalt technologist also was an early pioneer in the formulation and production of cationic asphalt emulsions.

Mr. Gagle holds more the 30 U.S. patents pertaining to asphalt technology and is the author of some 50 technical papers and articles.

He joined Home Oil and Refining Company in 1938 and was its Chief Chemist when the firm was acquired by Phillips Petroleum Company in 1948. Mr. Gagle transferred to Phillips' refinery division in Bartlesville, Oklahoma, in 1950, where he became an asphalt engineer. He retired in 1977.

Phillips' "Mr. Asphalt" gave the benefit of his considerable talents to such industry organizations as the Highway (now Transportation) Research Board, the Advisory Committee on Asphalt Research of the U.S. Bureau of Mines and the Asphalt Institute.

His long record of service to the Institute, which began in 1954, reached its high point in 1973, when he served as Chairman of the Board of Directors. In all, Mr. Gagle served on 25 Institute divisional and national committees. He became Chairman of six of them, including the Executive Committee, the Technical Advisory Committee, and the Committee on the Constitution and By-Laws. His is particularly remembered for his contributions to the AASHO Road Test Study Steering Committee and to project committees dealing with specifications, hydraulics, research and pavement design.

Mr. Gagle's contributions to asphalt technology brought well-deserved recognition and prestige to himself, his employer and his industry.

Elected: 1978