

Dr. Arthur B. Brown



An expert in asphalt technology, Dr. Arthur B. Brown was elected to the asphalt industry's Roll of Honor in recognition of his distinguished career in this field.

Dr. Brown is known to the asphalt industry for his pioneering work on the viscoelastic properties of asphalt, and especially in asphalt rheology. Aware of shortcomings of existing tests and specifications used to define asphalt quality, he worked within his company and in committees of the American Society for Testing and Materials to improve this situation.

With co-workers, he developed laboratory equipment to investigate the effects of variations in asphalt manufacture. Included in this research was the response of asphalt to various stresses. He provided a better understanding of the nature of asphalt, which has since guided further research and is expected to yield practical benefits in the future.

A native of Charleston, South Carolina, Dr. Brown is a 1918 graduate of the College of Charleston. He received a doctorate in organic chemistry from Johns Hopkins University, Baltimore, Maryland, in 1922. Employed as a chemist by the Standard Oil Company (Indiana) in 1922, he retired 38 years later as the company's Senior Research Associate.

Throughout his career, Dr. Brown served on various committees of the American Society for Testing and Materials, the Association of Asphalt Paving Technologists, and the American Chemical Society.

Elected: 1973