

DONALD A. QUARLES

Vice President
Bell Telephone Laboratories

Donald A. Quarles, Vice President of Bell Telephone Laboratories, has been associated with the Bell System since 1919. Previously he has served the Laboratories as Director of Outside Plant Development, Director of Transmission Development, and Director of Apparatus Development.

He is chairman of the Committee on Electronics of the Research and Development Board of the federal government, and has served as a member of the board of directors of the American Institute of Electrical Engineers. At the time of the Winter General Meeting of the A.I.E.E. in January 1952, he was nominated for the presidency of that organization.

Mr. Quarles was born in Van Buren, Arkansas, and attended grammar and high school there. He also attended summer sessions at the University of Missouri for three years, teaching mathematics and other subjects at Van Buren High School in the intervening seasons.

He was graduated from Yale University in 1916 with a B. A. degree, and subsequently studied part-time at Columbia University Graduate School in New York.

He is a member of Phi Beta Kappa and Sigma Xi.

During World War I Mr. Quarles enlisted in the United States Army and served overseas two years before he was discharged with the rank of captain in the Field Artillery.

In 1919 he joined the Engineering Department of the Western Electric Company, which in 1925 became Bell Telephone Laboratories. From 1919 to 1924 he was in transmission engineering and research, and then for four years he was a member of the Inspection Engineering Department in charge of apparatus inspection engineering.

Mr. Quarles was made Director of Outside Plant Development in 1929 and was in charge of the study of telephone materials and designs used in the outside plant, and the development of new and improved materials and designs, including lead covered cable, open wire insulators, and coaxial cable structures.

As Director of Transmission Development from 1940 to 1944, he was in charge of the development of carrier telephone systems, broad band telephone and television systems, and improved voice frequency transmission systems. During the war the efforts of this department were largely concentrated on military electronic systems, particularly radar, and Mr. Quarles was in the forefront of this work.

He was elected Vice President of the Laboratories in 1947.

Mr. Quarles is a member of many professional and engineering societies. He has also been active in community affairs, and served as mayor of Englewood, N.J. He now lives in Summit, N.J.