



TIMOTHY E. SHEA

Vice President Donald A. Quarles has been elected Vice President of the Western Electric Company, effective March 1, and has resigned from his position in the Laboratories to accept this new position. Mr. Quarles has also been elected President of Sandia Corporation.

Timothy E. Shea, for many years a member of the Laboratories and recently Assistant Vice President in Personnel Relations at the American Telephone and Telegraph Company, has returned to the Laboratories as a Vice President, taking over the duties which Mr. Quarles has relinquished at the Laboratories. These include responsibility for the military development program and the relations with the Army, Navy and Air Force in connection with that program.

At the same time the Board of Directors of the Sandia Corporation has been increased from six to eight members and President M. J. Kelly and Vice President S. B. Cousins of the Laboratories have been elected Directors.

Also elected a Vice President of the Western Electric Company with Mr. Quarles was G. A. Landry, whom Mr. Quarles is succeeding as President of the Sandia Corporation. In his new post Mr. Landry will be concerned with purchasing and traffic matters in Western Electric Company, and in May he will take over the

## D. A. Quarles Named T. E. Shea Returns

responsibility for such activities when Vice President D. F. G. Eliot of the Western Electric Company retires under the company's pension plan.

Mr. Quarles has served more than 30 years with the Bell System, having joined the Engineering Department of the Western Electric Company in 1919. This organization became the Bell Telephone Laboratories in 1925. From 1919 to 1924 he was in Transmission Engineering and Research, and then for four years a member of the Quality Assurance Department in charge of apparatus inspection.

He was made Director of Outside Plant Development in 1929 and became Director of Transmission Development in 1940. During the war, the efforts of the Transmission Development Department were largely concentrated on military electronics, particularly radar, in which he took a leading part. He became Vice President of the Laboratories in 1947.

Mr. Quarles is at present Chairman of the Committee on Electronics of the Research and Development Board of the United States Government. He is a graduate of Yale University, Class of 1916, and is a member of Phi Beta Kappa and Sigma Xi. He is a member of many professional and engineering societies. Although now a resident of Summit, New Jersey, he was previously a resident and, at one time, mayor of Englewood, New Jersey.

Mr. Quarles has been active in A.I.E.E. affairs, having served as Chairman of the New York Section in 1941, Director of the Institute 1944-48, Chairman of the Finance Committee 1946-48, and member of the Committee on Planning and Coordination 1946-48. He was instrumental in setting up the A.I.E.E. retirement system in 1945-48 as a member of the Board of Trustees, has served on the Edison Medal Committee (1945-47) and Lamme Medal Committee (1947-50). His technical



# Sandia President as Vice President

committee memberships include Electronics (1945-47) and Instruments and Measurements (1945-46). He is currently serving as a member of the Committee on Management and on the Board of the United Engineering Trustees, Inc., and as Chairman of the Finance Committee of the U.E.T.

Mr. Shea has also been with the Bell System for more than 30 years. He received the bachelor of science in electrical engineering degree from the Massachusetts Institute of Technology in 1918. The following year he received the master's degree from M.I.T., together with the bachelor of science degree from Harvard.

Mr. Shea joined Western Electric in 1920 as development engineer at Hawthorne, and the next year he transferred to New York, where he was assigned to the development of filters and networks for transatlantic radio-telephony, carrier telephony and television. In 1929 he entered the sound-picture field, and was later in complete charge of the development of sound motion picture equipment.

Mr. Shea left the Laboratories in 1939 to become Vice President in charge of engineering of Electrical Research Products, Inc., at that time a subsidiary of the Western Electric Company. He was on leave of absence from 1941 to 1945, during which time he was Director of War Research at Columbia University and a member of Division 6 (Underseas Warfare) of the N.R.D.C. He also directed the New London Laboratory for Submarine Research and supervised its scientists and engineers assigned to the submarine fleet based at Pearl Harbor. In recognition of his "exceptional services to the submarine service of the U. S. Navy," Mr. Shea received a Presidential Citation and also a Medal for Merit, the highest civilian award.

Mr. Shea returned to Western Electric in

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DONALD A. QUARLES

1945 as Superintendent of Manufacturing Engineering in the Electronics Shops, and in 1946 he was named Assistant Engineer of Manufacture at Western's headquarters. He was named President and a Director of the Teletype Corporation, a Western Electric subsidiary, in 1948. Early in 1950 he was made Personnel Director of Western Electric. On July 1, 1950, he became Assistant Vice President in Personnel Relations at A T & T.

He is a former fellow of the Acoustical Society and the Institute of Radio Engineers, and a fellow and past treasurer of the Society of Motion Picture and Television Engineers. In recognition of his accomplishments, he was awarded an honorary doctorate of science by Columbia University in 1946, and an honorary doctorate of engineering by the Case Institute of Technology in 1949.

## Mr. Quarles Nominated for President of A.I.E.E.

D. A. Quarles has recently been nominated for president of the American Institute of Electrical Engineers. Results of mail balloting will be announced at the Summer General Meeting of the Institute to be held at Minneapolis in June.