



## Wilmer L. Barrow

Wilmer L. Barrow is Vice-President for Research and Development of the Sperry Gyroscope Company, following previous appointments as Sperry's Chief Engineer in 1947 and as Vice-President in 1952. Formerly, he was on the faculty of Massachusetts Institute of Technology under wartime emergency as Director of Fire Control in 1943, and Director of Armament Engineering in 1945.

Dr. Barrow was born in Baton Rouge, La., on October 25, 1903. He received the B.S.E.E. degree from Louisiana State University and the M.S. degree in electrical communications from M.I.T. He was a Redfield Proctor Fellow in physics at the Technische Hochschule in Munich, Germany where he received the Sc.D. degree in 1931.

For the next twelve years he was on the staff of the Electrical Engineering Department at M.I.T. where he taught courses in electrical communications and did research principally in microwave technology and its applications. He was also Director of the M.I.T. Radar School.

From his research activities at M.I.T. and at Sperry have come twenty-four American and several foreign patents. He has published a number of papers, some jointly with his students.

Dr. Barrow served in advisory capacities to the armed forces and the National Defense Research Committee during World War II. His duties included membership in committees on fire control, bombing, and air traffic control under the Secretary of War. He was also Chairman of the Radar Panel, Research and Development Board, and a member and later Chairman of the Technical Consulting Group Committee on Guided Missiles. He was awarded the Certificate for Merit by the President for wartime contributions to radar.

Dr. Barrow has been active in the IRE since 1928. He has held membership in many committees, has served on the Board of Directors, and was Chairman of the IRE Convention in Boston in 1940. He was awarded the Morris Liebmann Memorial Prize in 1943, for his contributions to the waveguide and microwave art.

He is a Fellow of the American Academy of Arts and Sciences, and Sigma Xi, and an active member of the American Management Association, American Ordnance Association, American Rocket Society, Armed Forces Communications and Electronics Association, Association of Research Directors, Industrial Research Institute, and Institute of Aeronautical Sciences.