



A. Gardner Fox

A. Gardner Fox (A'40-SM'45-F'56) was born in Syracuse, N. Y. on November 22, 1912. He received the B.S. and M.S. degrees in electrical engineering from the Massachusetts Institute of Technology, Cambridge, in 1935.

In 1936 after a short time with the General Electric Company in Bridgeport, Conn., he joined the technical staff of the Bell Telephone Laboratories, where he was engaged in development work on mobile radio transmitters and an early radar project. In 1939 he transferred to the Radio Research Department of Bell Telephone Laboratories at Holmdel, N. J. and participated in the research on waveguide techniques being carried on under the direction of Dr. G. C. Southworth. For

two years during the war, he was concerned with microwave radar antenna design at the Whippany Laboratory. In 1944, he returned to Holmdel, where he took part in the pioneering of the Bell System's first microwave radio-relay system and later engaged in millimeter-wave research. Since 1953, he has been in charge of a microwave physics group doing research on ferrites, dielectrics, and semiconductors. His present interests are concerned with problems of microwave amplification and modulation by means of ferromagnetic materials.

Mr. Fox has been active on the IRE Technical Committee and was chairman of the Committee on Antennas and Waveguides for several years.