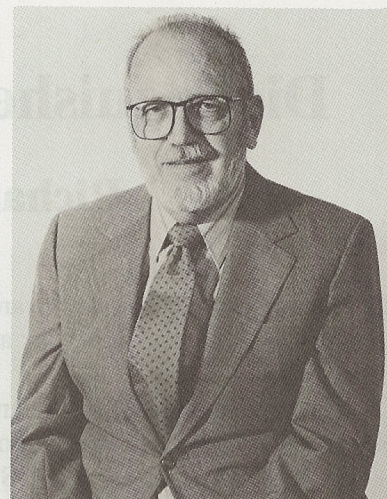


1992 Pioneer Award

Robert M. Barrett



The Pioneer Award recognizes contributions which have made major impact on our field and have stood the test of time. The basis for the nomination is an archival paper in the field of interest of MTT-S, published at least 20 years prior to the year of the award. It recognizes important technical contributions that have had a continuing impact on the practice of microwave engineering, for a period exceeding two decades.

The 1992 recipient is Mr Robert M. Barrett, retired Director of the Solid State Sciences Directorate, Rome Air Development Center, at Hanscom Air Force Base, Bedford, MA.

Mr Barrett is cited "For Pioneering the Development of the Strip Transmission Line."

The work was first published in two papers entitled: "Microwave Printed Circuits," Radio and T.V. News, vol. 46, p. 16, Sept 1951. "Etched sheets serve as microwave components," Electronics, vol. 25, p. 114, June 1952. The impact of stripline technology on our industry is obvious and needs no further amplification.

The Pioneer Award consists of a plaque and a cash sum of US\$1000.

Robert M. Barrett was born in Farmington Utah, graduated from the University of California, Berkeley, with a B.S. in Electrical Engineering (1942). He did graduate work in physics at Boston University and the Massachusetts Institute of Technology.

During World War II he, as a Major in the Air Force, was responsible for radio and radar installation and maintenance at the Sacramento Air Depot, Air Material Command, California and for the Air Transport Command, Caribbean Wing, Morrison Field Florida.

Subsequent to the war Mr Barrett worked as a civilian scientist at the Air Force Cambridge Research Laboratories. During his career he was the chief of the Airborne Antenna Section, and the Instrumentation Section, of the Antenna Laboratory where he was concerned with missile antennas, microwave lenses, electronic scanning, transmission systems, and innovative instrumentation development. He later became the Deputy Director of the Electronics Research Directorate.

When the transistor started to be an important factor in the laboratories program he changed disciplines and became the chief of the Solid State Laboratory and at the time of his retirement he was the Director of the Solid State Sciences Directorate, Rome Air Development Center, at the Hanscom Air Force Base, Bedford MA.

He was responsible for the growth of the Solid State Sciences Directorate to the leading Department of Defense laboratory in this field. As the Director of Solid State Sciences Mr. Barrett was responsible for the establishment of innovative programs on the effect of radiation on solid state devices and their hardening as well as the well known program on the development of solid state materials.

During his scientific career Mr. Barrett also pursued photography, partially as a hobby and partially in connection with his work. He has recently retired from active laboratory work and has established a free-lance photography and desktop publishing business under the name of BARRETT PhotoGRAPHICS. He has exhibited widely and had a number of one man shows of his work. He is currently a resident of Bedford, MA.