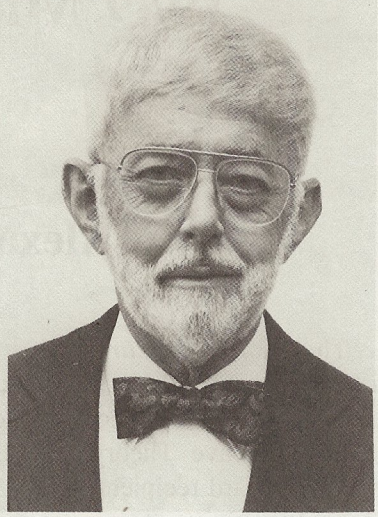
1989 Microwave Career Award



Harry F. Cooke

The *Microwave Career Award* is presented to an individual "for a career of meritorious achievement and outstanding technical contributions in the field of microwave theory and techniques". It is the highest award given by the Microwave Theory and Techniques Society. The 1989 Microwave Career Award recipient is Mr. Harry F. Cooke.

Harry F. Cooke (S'46,M'55,LM'87) was born in Little Rock, Arkansas in 1921. After serving with the R.A.F. and the U.S.A.A.F. (1941–1945) he graduated from the University of Arkansas in 1948 with the B.S.E.E. degree. His postgraduate work at Southern Methodist University was in the field of microwaves and non-linear circuits. While at the U. of Arkansas his senior paper on locked oscillators won the Southwestern IEEE student prize. Between 1948 and 1957 he worked in the area of instrumentation (U.S.D.A.), proximity fuzes, and low noise vacuum tube amplifiers. In 1957 he joined the Semiconductor Research and Development Laboratory at Texas Instruments. While at T.I. he initially managed the applications group. Following this he worked with Roger Webster on the first solid state TV receiver, FM receiver, and hand held transceiver. He was a member of the team which developed the first bipolar microwave transistor and the first solid-state radar. He, in conjunction with two other team members, holds the basic solid-state radar patent. From 1970 to 1979 he was manager of device design and analysis at Avantek. While at Avantek he published a number of tutorial papers including one in the Proceedings of the IEEE on bipolar microwave transistors. In 1979 he joined Varian Associates as a senior scientist working on GaAs FET design and testing. He retired from Varian in 1987 and now works as an independant consultant in the design of microwave devices and test systems for amplifiers and devices. He also writes software for device design and automated test.

He is the author of over 50 papers in the fields of VHF to MM devices and circuits. He has 14 patents covering devices, circuits, and systems.

Mr. Cooke is a member of Tau Beta Pi.