

## 1999 N. WALTER COX AWARD

### Daniel Massé

The N. Walter Cox Award has been established in recognition of the qualities of N. Walter Cox and his service to the MTT Society prior to his untimely death in 1988. It is given aperiodically to a Society Volunteer whose efforts on behalf of MTT-S best exemplify his spirit and dedication.

This year's recipient is Daniel Massé. The citation reads: "FOR EXEMPLARY SERVICE, GIVEN IN A SPIRIT OF SELFLESS DEDICATION AND COOPERATION."

**Daniel Massé** received his diploma in Electrical Engineering in 1951, from the Ecole Centrale de TSF in Paris, France.

Following graduation, he started work on a remote control system for substations of electrical power distribution. In 1953, he joined CSF, now merged with Thomson-CSF, to work on microwave communication links for telephone and television.

He came to the US in 1957 and joined the Research Division of Raytheon Company to work on the development of ferrite devices. This group became later the Special Microwave Device Operation, within the Power Tube Division.

In 1967, he returned to the Research Division and assisted in the development of integrated circuits. This group studied the microwave propagation and losses of microstrip with dielectric and ferrite substrates, developed new materials and devices such as miniatures filters using temperature stable dielectric resonators. Later on, he became involved in the development of IMPATT diodes and circuits, especially for operation at millimeter waves. Subsequently, his activities included the development of field effect transistors and microwave monolithic integrated circuits. He retired from Raytheon Company in 1993 as Manager of the Semiconductor Laboratory.

He is the author or co-author of more than 25 papers and a book chapter. He also presented several talks at Conference and Symposia. He was one of the three co-recipients of the 1976 Microwave Prize.

He has served on the International Microwave Symposium Technical Program Committee from 1989 to 1995 and was its co-chairman in 1991. He was a member of the Military Microwave Conference Technical Committee in London, UK, in 1990 and 1992. He was chairman of the IEEE Standard Committee for Definition of Terms for Planar Transmission Lines from 1983 to 1987. He served on the MTT-Transactions Editorial Board from 1968 to 1992 and was the Transactions Editor from 1992 to 1995.

