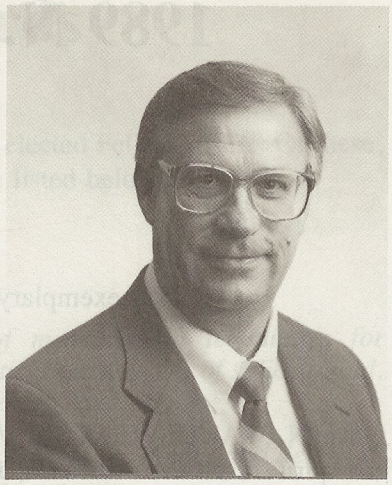
1989
Distinguished Service Award

Don Parker



"For his outstanding and dedicated service to the Society."

The Distinguished Service Award is presented to honor an individual who has given outstanding service over a period of years for the benefit and advancement of the Microwave Theory and Techniques Society. The 1989 recipient is Dr. Don Parker, Assistant Manager, Radar Microwave Laboratory, Hughes Radar Systems Group. Don Parker has served MTT-S in a variety of roles, many visible, some less obvious. His opinions are invariably well reasoned, and his style is warm and cooperative. He is one of those rare contributors who gives much and asks little.

Don Parker (S'61,M'63,SM'73,F'82) was born in Ogden, Utah in 1933 and received his undergraduate education in electrical engineering at Brigham Young University. He received an M.S degree from Harvard University in Applied Physics in 1957, and a Doctorate of Science (D. Sc.) in Electrical Engineering from the Massachusetts Institute of Technology in 1964.

Dr. Parker was a member of the Technical Staff of MIT Lincoln Laboratories from 1956 to 1961 and from 1964 to 1969. He designed and developed solid-state microwave power sources including frequency multipliers and IMPATT diode oscillators.

From 1961 to 1964, Dr. Parker served as a Lieutenant in the U. S. Air Force and assisted in the development of an R&D program in the Electronic Systems Division at Hanscom Field, Bedford, Massachusetts.

Dr. Parker joined Stanford Research Institute in October 1969 and became manager of the Electromagnetic Techniques Laboratory in 1970. The Laboratory developed state-of-the-art microwave components, antennas, and subsystems for radar and communication systems. He helped develop the use of automatic network analyzers for making rapid broadband radar cross-section measurements.

Dr. Parker joined Hughes Aircraft Company in 1976 as manager of the Microwave Department in the Missile Systems Group. Later he became manager of the Radar Laboratory where he directed a staff of 150 scientists, engineers, and technicians in the design and development of RF subassemblies for tactical missle radars. He managed the design teams that developed the solid-state transmitter for the Phoenix Missile, the solid-state transmitter, guidance antenna, fuze antenna, data link, and RF processors for the AMRAAM validation missile. The millimeter-wave sensor for the WASP missile was developed by design teams under his direction. Dr. Parker transferred to Hughes Radar Systems Group in 1986 as an Assistant Manager, Radar Microwave Laboratories, and is responsible for all active array programs in the Engineering Division.

Dr. Parker served as secretary to the Administrative Committee of the MTT Society in 1972. He was elected to AdCom in 1973 and served as a member through 1982. He was Vice President of the Society in 1978 and President in 1979. Dr. Parker was editor of the *IEEE Transactions on Microwave Theory and Techniques* 1975 through 1977 and has been a member of the Editorial Board from 1970 to present. He was Chairman of the Awards Committee from 1983 through 1986. Dr. Parker was Chairman of the Technical Program Committee for the 1981 Symposium and has been a member of the Technical Program Committee for many MTT-S symposia. He is Vice-Chairman of the 1989 International Microwave Symposium and is Chairman of the 1994 Symposium. As a member of AdCom, Dr. Parker has served in several other capacities including: MTT-S representative to the Solid State Circuits Council 1973–1975; Meetings & Symposia Committee, 1973–1974; Chairman, Publications Evaluation Committee, 1982; Long Range Planning Committee, 1982; and as a Member of the IEEE Technical Advisory Board (TAB) Awards Review Committee, 1985. Dr. Parker is presently Chairman of the Past Presidents Council for MTT-S.

Dr. Parker is a Fellow of the Institute for Electrical and Electronic Engineers. He was awarded the Centennial Medal by the MTT-Society in 1985.