


Microwave Prize

The Professional Group on Microwave Theory and Techniques has established the Microwave Prize to recognize annually a significant paper which appeared in the IRE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. In selecting the paper, consideration is given primarily to the subject of the contribution and secondarily to its presentation. All members and affiliates of PGMTT are eligible for the award. The award consists of a certificate, a monetary sum of \$100, and a feature publication in these TRANSACTIONS. If the paper has more than one author, the monetary sum is divided equally among the authors.

—The Editor



HAROLD SEIDEL
Bell Telephone Laboratories
Murray Hill, New Jersey



The Institute of Radio Engineers
Microwave Prize

for the most significant contribution to the field of endeavor of the
Professional Group on Microwave Theory and Techniques
published in the IRE TRANSACTIONS on Microwave Theory and
Techniques during the year 1957 to

Harold Seidel

for his paper "Synthesis of a Class of Microwave Filters"
published in the IRE TRANSACTIONS-PG MTT-5 No.2, pp.107 to 114,
April 1957

William L. Pritchard
Chairman, PGMTT

Peter D. Sturm
Secretary, PGMTT

"Synthesis of a Class of Microwave Filters"

IRE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES

Vol. MTT-5, pp. 107-114; April, 1957

It is a pleasure to announce that the Microwave Prize for 1957 has been awarded to Dr. Harold Seidel for the above paper. This paper is an ingenious extension of Darlington's procedure for the synthesis of lumped element networks to the synthesis of networks involving distributed line elements. A new model for a class of microwave filters is set forth from which a wide variety of structural realizations is obtainable.

The Awards Committee, composed this year of representatives of all the PGMTT Chapters in the United States, believes that Dr. Seidel's paper represents an important advance in microwave network theory.

We congratulate Dr. Seidel on his excellent work.

W. L. PRITCHARD, *Chairman*
PGMTT Administrative Committee