

## 1973 MICROWAVE PRIZE RECIPIENTS

The 1973 Microwave Prize has been awarded to Drs. Harrison E. Rowe and Dale T. Young of Bell Telephone Laboratories. Their companion papers, "Transmission Distortion in Multimode Random Waveguides" and "Optimum Coupling for Random Guides with Frequency Dependent Coupling" published in the June 72 GMTT Transactions were nominated by the Awards Committee, chaired by D.D. King. This selection was unanimously approved by ADCOM. Presentation of this award is traditionally made at the Symposium banquet, which this year will take place in Boulder, Colorado, on June 5, 1973.

Dale T. Young received his B.S. degree from the University of Oklahoma in 1956 and subsequently was awarded the MEE in 1960 and a Ph.D. in 1966 also at Oklahoma. During this time he was employed by Bell Laboratories from 1960 to 1965. He held an Assistant Professorship at Kansas State University during the academic year 1966-67 and rejoined Bell Labs in 1967. He initially worked on mode conversion problems in multimode waveguides and on solid state repeater for a waveguide system. From 1967 to 1971 he worked on optical transmission systems. At present he is in the millimeter wave system laboratory at Murray Hill. Dr. Young is a member of IEEE, Tau Beta Pi, Eta Kappa Nu, Pi Mu Epsilon, Sigma Xi, A.M.P.I., and D.H.I.A.

Harrison E. Rowe Was born in Chicago, Illinois on January 29, 1927. He entered the Massachusetts Institute of Technology, Cambridge, Massachusetts, in 1944, leaving to serve in the U.S. Navy in 1945, and returning to M.I.T. in 1946. He received the B.S., M.S., and Sc.D. degrees in electrical engineering from M.I.T. in 1948, 1950, and 1952, respectively.

He joined the Radio Research Laboratory of Bell Telephone Laboratories in 1952, where he is presently a supervisor on the technical staff. His publications includes 26 papers and one textbook, spanning a variety of fields including parametric amplifiers, noise and communication theory, modulation theory, propagation in random media, and related problems in waveguide, radio, and optical communication systems. He is also the joint author of four patents.

Dr. Rowe is a member of Sigma Xi, Tau Beta Pi, Eta Kappa Nu, and Commission 6 of URSI, the International Scientific Radio Union.

NEW G-MTT FELLOWS

The following G-MTT members were elected to the grade of FELLOW as of 1. January 1973:

BERTRAM A. AULD

For contributions to the theory of microwave ferrite devices and microwave acoustics.

JOHN BROWN

For achievements in research and teaching of electrical and electronics engineering, especially in the fields of microwaves and electronic devices.

ROBERT L. CARREL

For contributions to antenna research and developments.

AKIRA ISHIMARU

For contributions to the theory of antennas and wave propagation, and to electrical engineering education.

EDWARD M.T. JONES

For contributions in the analysis and development of radio frequency circuit components and radiating structures.

IRVING KAUFMAN

For contributions to microwave electronics, and to education.

HERWIG W. KOEGLNIK

For contributions to the understanding of the structure and coupling of modes in optical beams and resonators.

RALPH LEVY

For contributions to the theory and design of transmission line networks.

CORNELIS A. MULLER

For contribution to the knowledge of the structure of galaxies.

SOGO OKAMURA

For contributions to microwave theory and techniques and to engineering education.

EUGENE W. SARD

For contributions to the field of low-noise microwave millimeter wave, and infrared receivers.

HAROLD SEIDEL

For contributions to the field of active and passive microwave networks.

HAROLD SOBOL

For contributions in the field of microwave techniques.

EDWARD A. WOLFF

For contributions to antennas, geoscience instrumentation, and management of scientific projects.