

## PGMTT News



Among those attending the PGM TT Administrative Committee luncheon meeting, held on March 23 at the Essex House, New York, N. Y., were (clockwise): R. F. Schwartz, A. G. Clavier, H. F. Engelmann, Harvey Lance, Gus Shapiro, T. S. Saad, *Chairman*, A. A. Oliver, *Vice-Chairman*, H. Magnuski, George Sinclair, Saul Rosenthal, W. W. Mumford, Donald D. King, A. C. Beck, and S. B. Cohn.

## Contributors

Robert E. Beam (S'37-A'41-SM'44-F'56), for a photograph and biography, please see page 335 of the July, 1958 issue of these TRANSACTIONS.



Robert W. Beatty (S'43-A'45-M'50-SM'53), for a photograph and biography please see p. 457 of the October, 1958 issue of these TRANSACTIONS.



Morris E. Brodwin (A'49-M'55), for a photograph and biography, please see page 242 of the April, 1958 issue of these TRANSACTIONS.

John Brown (SM'57) was born on July 17, 1923, in Auchterdewan, Scotland. He received the M.A. degree in mathematics and natural philosophy from the University of Edinburgh, Scotland, in 1944, and the Ph.D. degree from the University of London, Eng., in 1954.

From 1944 to 1951 he was on the staff of the Radar Research and Development Establishment, Malvern, and was mainly concerned with theoretical studies of microwave tubes. In 1951, he became a lecturer in electrical engineering at the Imperial College of Science and Technology and in 1955 moved to University College, London, where he is now reader in electrical engineering.

Dr. Brown is an Associate Member of the IEE, London, and at present serves on the Electronics and Communications Section Committee.

Glenn F. Engen was born in Battle Creek, Mich., on April 26, 1925. He received the B.A. degree in physics and mathematics

from Emmanuel Missionary College, Berrien Springs, Mich., in June, 1947. He has done graduate work at the Universities of Michigan, Maryland, and Colorado. After employment with the U. S. Naval Ordnance Laboratory and the Johns Hopkins University Applied Physics Laboratory, he joined the National Bureau of Standards in 1954. His present work is in the field of microwave power measurement techniques and standards.



GLENN F. ENGEN