



LAUDATIO

E. R. G. ECKERT—SEVENTY YEARS

ON BEHALF of the Editors, the Honorary Editorial Advisory Board and the Publisher we extend special greetings to Professor E. R. G. Eckert on the occasion of his seventieth birthday.

Professor Eckert was born on September 13, 1904 in Prague, Czechoslovakia. He attended the German Institute of Technology in Prague, obtaining the Diploma Ingenieur in 1927 and the Dr. Ing. in 1931. He remained at Prague as an assistant in the Institute until 1935 when he moved to Danzig where he completed his habilitation under the tutelage of Professor Ernst Schmidt. In 1938 Dr. Eckert followed Professor Schmidt to Braunschweig where he assumed the post of docent at the Institute of Technology and section chief at the Aeronautical Research Establishment. In 1943 Professor Eckert returned to Prague to accept the Chair of Thermodynamics at the German Institute of Technology but retaining his position at the Aeronautical Research Institute. He served in both capacities until the end of the war.

Professor Eckert came to the United States in 1945 and for the next four years was associated with the Power Plant Laboratory at Wright Air Force Base, Dayton, Ohio. In 1949 he joined Lewis Flight Propulsion Laboratory of the National Advisory Committee for Aeronautics in Cleveland, Ohio, as a consultant to the Compressor and Turbine Division.

In 1951 Dr. Eckert returned to the academic life of teaching, research and writing at the University of Minnesota as Professor of Mechanical Engineering. In 1955 he was named Director of the Thermodynamics and Heat Transfer Division and the Heat Transfer Laboratory. In 1966 the University bestowed its highest honor on Dr. Eckert by naming him Regents' Professor of Mechanical Engineering.

His research papers, which number over 300, and his textbooks on heat and mass transfer are widely known and need no elaboration here. He received the Max Jakob medal in 1961 in recognition of these major scientific contributions. He is also the recipient of

honorary doctorates from the Technical University at Munich, Purdue University, and the University of Manchester as well as a gold medal bestowed by the French Institute for Energy and Fuel.

In addition to his pioneering contributions in research Professor Eckert has achieved an outstanding reputation as a teacher. Undergraduates as well as graduate students have enjoyed the benefits of Dr. Eckert's lecturing and guidance over the past quarter century. Over forty students have studied for the Ph.D. degree under his tutelage and his commitment to education has led the majority of these former students into university positions.

It is especially fitting that we take note of the critical role Professor Eckert has played in fostering cooperation among heat transfer scientists throughout the world, recognizing that such cooperation is important not only for science but for international understanding as well. He was a founder of the *International Journal of Heat and Mass Transfer* and has served as Chairman of the Editorial Advisory Board from the beginning. He is Co-chairman of the Editorial Advisory Board of Heat Transfer—Soviet Research and Heat Transfer—Japanese Research. The

International Heat Transfer Conferences and the International Centre for Heat and Mass Transfer are both indebted to Professor Eckert for his key efforts in moving them from the conceptual stage to their current central roles on the international scene. As President of the Scientific Council of the International Centre for Heat and Mass Transfer he continues to promote international cooperation.

We should also like to mention that Professor Eckert is not only an exceptional scientist and teacher with a strong sense of the international nature of science, but in addition, he is a warm, gentle, good-humored human being. He has been ably supported over many years by his lively and charming wife, Josephine Binder Eckert. We are sure we speak for the editors, the Editorial Advisory Board, the students, colleagues and friends of Professor E. R. G. Eckert from all over the world when we wish him a most happy seventieth birthday and many more happy and healthy returns of the day.

J. P. HARTNETT
T. F. IRVINE, JR.
W. J. MINKOWYCZ