

IN COMMEMORATION OF F. BOŠNJAKOVIĆ'S 60th BIRTHDAY

ON the 12th of January 1962, Professor Dr.-Ing. Fran Bošnjaković celebrated his 60th birthday engaged in starting a new institute for the thermodynamics of aircraft propulsion at the Technische Hochschule at Stuttgart. Bošnjaković, born in Zagreb, Yugoslavia, was a student of Professors St. Timoshenko and R. Mollier at Dresden, Germany, and was appointed Professor of Thermodynamics at the University of Belgrade, Yugoslavia, in 1933. In 1936 he became Professor of Thermodynamics at the University of Zagreb. In 1953 he accepted a call to come, as Professor and Director of the Institute of Thermodynamics, to the Technische Hochschule at Braunschweig, Germany, from where he moved to Stuttgart in 1961. During his academic career he was elected Dean of the Faculty of Mechanical Engineering at the University of Zagreb in 1940, was Rector of the same Institute in 1950, and again Dean of the Faculty of Mechanical Engineering at the Technische Hochschule Braunschweig.

During his time in Dresden, he became interested in the thermodynamics and transfer processes of two-component mixtures and developed methods to calculate such processes, especially with the help of enthalpy-composition diagrams. He applied these to the analysis of refrigeration machines, to chemical processes, to combustion and gasification, and to high temperature plasma physics. His interest also extended to many other aspects of thermodynamics and heat and mass transfer. The results of his studies are contained in over 40 papers and six books written in the Yugoslavian or German language, of which his *Technische Thermodynamik* has appeared in its third edition. Recently he became involved in plasma physics and we can expect from him contributions which analyze various aspects of this area with the same clarity with which he has illuminated many other problems.

ERNST R. ECKERT