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Photograph above: Engineer-writer John Burnett (left) works with engineers John H. Haughawout (right) and Donald King to compile handbook information.

## BOOKS

### TABLES OF INTEGRAL TRANSFORMS, Vol. II

Edited by A. Erdélyi with the Bateman Project Staff  
McGraw-Hill, 1954

\$8.00

**T**HIS IS THE SECOND of two volumes of tables of integrals involving higher transcendental functions, designed for the use of mathematicians, physicists and engineers. Based, in part, on notes left by the late Harry Bateman, Caltech Professor of Mathematics, Theoretical Physics, and Aeronautics, the material was compiled by the staff of the Bateman Manuscript Project.

This project was originally conceived by Dr. Bateman. After his death in 1946, Caltech, with the financial support of the Office of Naval Research, assumed responsibility for carrying out Bateman's plans. A. Erdélyi, Caltech Professor of Mathematics, supervised preparation and editing of the work. His staff consisted of Professor Wilhelm Magnus of New York University; Professor Fritz Oberhettinger of the American University in Washington; Professor Francesco G. Tricomi of the University of Turin, Italy; and several younger mathematicians.

The project consists of five books: three volumes on *Higher Transcendental Functions*, and two supplementary volumes on *Tables of Integral Transforms*.

These books carry out Bateman's objective of compiling an encyclopedic reference work describing the properties and interrelations of special functions, bringing together for the first time information previously scattered through numerous journals and books.

### ENGINEERING CYBERNETICS

by H. S. Tsien  
McGraw-Hill, 1954

\$6.50

**D**R. TSIEN IS Robert H. Goddard Professor of Jet Propulsion at Caltech's Daniel and Florence Guggenheim Jet Propulsion Center. In this text and reference work—developed for a course on Theory of Stability and Control—he aims to place the study of *Engineering Cybernetics* on an equal footing with other, older branches of engineering science such as Fluid Mechanics, Elasticity, and Theory of Vibration.

ENGINEERING AND SCIENCE