

MAX JAKOB MEMORIAL AWARD

**The 2003 Max Jakob Award was presented to
Kenneth J. Bell
at the
Heat Transfer Honors & Awards Luncheon
during the
2004 Heat Transfer / Fluids Engineering Conference
in Charlotte, North Carolina
on
July 12, 2004**

Ken Bell's professional interests have focused upon the development, selection, application, design, and trouble-shooting of heat exchangers for the process, energy, and environmental control industries. This interest was initiated during his graduate work in the Department of Chemical Engineering at the University of Delaware. His research was in the ASME-sponsored Cooperative Research Program on Shell-and-Tube Heat Exchangers, with Professors Allan Colburn and Olaf Bergelin as mentors. This program culminated in the "Delaware Method" for the design of that equipment.

Receiving the Ph.D. in 1955, Ken joined General Electric at the Hanford Operations, conducting laboratory and in-reactor testing of advanced fuel elements. He joined the faculty of Case Institute of Technology, his undergraduate school, in 1956. At this time, he became an Associate of Dr. Donald Kern's consulting firm and became broadly familiar with the heat exchanger industry.

In 1961, Ken joined the School of Chemical Engineering at Oklahoma State University, from which he retired in 1994 as Regents Professor Emeritus. He was major advisor to 30 Ph.D. and 45 M.S. students. Shortly after going to Oklahoma State, he became a consultant to Phillips Petroleum and the newly-formed HTRI, where he developed life-long associations with Drs. Jerry Taborek and Joe Palen. Ken has consulted for more than 60 industries, government agencies, and law firms. For 10 years, he was a part-time staff member at Argonne National Laboratory. He has conducted over 100 short courses on Process Heat Transfer and related topics for engineers in industry. He maintains an office at the University and is active in consulting, lecturing, and editing.

Ken was a Founding Editor and for 18 years Editor-in-Chief of "Heat Transfer Engineering", an international journal for practicing engineers. He is a Fellow of the American Institute of Chemical Engineers and has received the Donald Q. Kern and Heat Transfer Division Awards