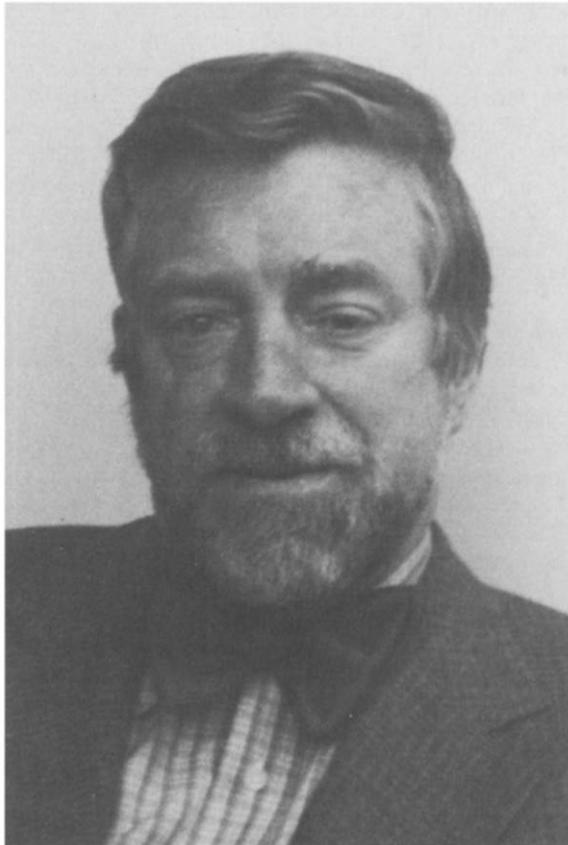


PROFESSOR JAMES P. HARTNETT ON HIS 60TH BIRTHDAY



It is both a pleasure and a privilege to extoll the broad ranging and highly significant accomplishments of Professor James P. Hartnett on the occasion of his 60th birthday. Professor Hartnett's contributions to the heat transfer community are unique in their breadth and, perhaps more than any other person, he has fostered the sense of community to its farthest reaches. To complement and reinforce his community-related activities, Professor Hartnett has wrought an outstanding record of heat transfer research, as witnessed by his over 100 published papers, by more than a dozen doctoral theses completed under his direction, numerous review articles, and editorships of important reference sources. Professor Hartnett is an initiator and an innovator who has had the energy and conviction to bring his visions to fruition.

Nowhere are his community-related activities more evident than on the international scene. He was the prime mover in the founding, and later in the development, of the *International Journal of Heat and Mass Transfer*, *Heat Transfer—Soviet Research*, *Heat Transfer—Japanese Research*, *Energy Developments in*

Japan and International Communications in Heat and Mass Transfer (formerly *Letters in Heat and Mass Transfer*). He played an important role in the formation of the International Centre for Heat and Mass Transfer and in its continuing activities. He has served on advisory committees and as a consultant on educational research and educational activities in the U.S.S.R., Eastern Europe, Southeast Asia, Korea, Thailand, and Romania. In addition, he has been a visiting professor at the University of Tokyo, the University of Alexandria, and at the Israel Institute of Technology. In 1980, he was invited by the Chinese Academy of Sciences to visit the People's Republic of China and to present lectures at the Institute for Engineering Thermophysics of the Academy and at several universities.

Professor Hartnett has also made important contributions to the dissemination of information to the heat transfer community. In addition to his several journal editorships, he has been co-editor of the *Advances in Heat Transfer* series, where definitive state-of-the-art review articles are published. The *Handbook*

of *Heat Transfer* is another of his editing achievements. He has also been an editor of the Hemisphere/McGraw-Hill Series in *Thermal and Fluids Engineering*.

Professor Hartnett has given generously of his time to professional and governmental bodies, including the National Science Foundation, NASA, ASME, AIAA, and the Franklin Institute. In many respects he was the founding father of the Midwest Universities Energy Consortium and has been a key driving force of the organization since its inception.

Professor Hartnett's research activities have ranged widely, but there have been three main foci of his work. He has made fundamental contributions to the understanding of heat transfer in liquid metals, to mass transfer cooling, and more recently to heat transfer in viscoelastic fluids.

While continuing to maintain his active commitment to fundamental research, Professor Hartnett has broadened the scope of his interests to include energy technology and energy policy. He has written widely on these subjects and, as director of the Energy Resources Center at the University of Illinois at Chicago, he has operated in the real world of policy implementation and legislation.

Many honors have been bestowed on Professor Hartnett in recognition of his lofty achievements. He was the recipient of the A. V. Luikov Medal, the Memorial Award of the ASME Heat Transfer Division, a Fulbright Award, a Guggenheim Fellowship, and the Professional Achievement Award from his alma mater, the Illinois Institute of Technology.

An Easterner by birth (Lynn, Massachusetts, 19 March 1924), Professor Hartnett obtained his education from excellent universities across the breadth of the nation: bachelor's degree from the Illinois Institute of Technology, master's degree from the Massachusetts Institute of Technology, and a Ph.D. from the University of California at Berkeley. After completing his doctoral work, Professor Hartnett served as a professor at the University of Minnesota where he helped to build the Heat Transfer Laboratory at that institution. Then, he accepted the chairmanship of the Mechanical Engineering Department at the University of Delaware, where he was a prime mover in the development of laboratories and research facilities. Ever innovating and building, he undertook, in 1965, the task of developing a new department at the newly formed University of Illinois at Chicago. In 1974, he accepted still another challenge in creating the Energy Resources Center at the University of Illinois.

To complement his great talents and energies, Professor Hartnett is endowed with an outgoing personality which has increased the effectiveness of his work. His multitudinous contributions are deserving of the highest praise and respect.

W. J. MINKOWYCZ
E. M. SPARROW
R. J. GOLDSTEIN
E. R. G. ECKERT
T. F. IRVINE, JR.