



## CHEMICAL ENGINEERING DIVISION ACTIVITIES

### Eleventh Annual Lectureship Award to Rutherford Aris



Rutherford Aris was born and raised in the county of Dorset on the south coast of England where he went to Canford School. Leaving there soon after the end of the war, he went to work for Imperial Chemical Industries at Billingham-on-Tees and obtained a B.Sc. in Mathematics as an external student of the University of London. After graduate study at the University of Edinburgh from 1948-1950 he returned to work for I.C.I. for the next five years.

The happy coincidence of a visit to Billingham by N. R. Amundson as a time when Dr. Aris was trying to get back to a university led to a year's research at Minnesota and in 1958, after a spell back in Edinburgh as a Lecturer in Technical Mathematics, he was appointed Assistant Professor in the Department of Chemical Engineering at Minnesota. Since then he had done his best not to traduce the high standards of his colleagues, getting the London Ph.D. in 1960 and the higher doctorate in 1964, publishing a number of papers and a book or two. His monograph on "The Mathematical Theory of Diffusion and Reaction in Permeable Catalysts" is to be published by the Clarendon Press, Oxford in the near future and an examination of the structure of this subject will be the burden of his annual Lecture to the Chemical Engineering Division of A.S.E.E.

The 1973 ASEE Chemical Engineering Division Lecturer was Dr. Rutherford Aris of the University of Minnesota. The purpose of this award lecture is to recognize and encourage outstanding achievement in an important field of fundamental chemical engineering theory or practice. The 3M Company provides the financial support for this annual lecture award.

Bestowed annually upon a distinguished engineering educator who delivers the Annual Lecture of the Chemical Engineering Division, the award consists of \$1,000 and an engraved certificate. These were presented to this year's Lecturer at the Annual Chemical Engineering Division Meeting June 26, 1973 at Iowa State University in Ames, Iowa. Dr. Aris spoke on "Diffusion and Reaction in Porous Catalysts—a Chemical Engineering Symphony."

#### PREVIOUS LECTURES

- 1963, A. B. Metzner, University of Delaware, "Non-Newtonian fluids."
- 1964, C. R. Wilke, University of California, "Mass transfer in turbulent flow."
- 1965, Leon Lapidus, Princeton University, "Aspects of modern control theory and application."
- 1966, Octave Levenspiel, Illinois Institute of Technology, "Changing Attitudes to Reactor Design."
- 1967, Andreas Acrivos, Stanford University, "Matched Asymptotic Expansions."
- 1968, L. E. Scriven, University of Minnesota, "Flow and Transfer at Fluid Interfaces."
- 1969, C. J. Pings, California Institute of Technology, "Some Current Studies in Liquid State Physics."
- 1970, J. M. Smith, University of California at Davis, "Photo chemical Processing—Photo Decomposition of Pollutants in Water."
- 1971, William R. Schowalter, Princeton University, "The Art and Science of Rheology."
- 1972, Dale F. Rudd, University of Wisconsin, "Synthesis and Analysis Engineering."