



## CHEMICAL ENGINEERING DIVISION ACTIVITIES

### Eighth Annual Lectureship Award to J. M. Smith

The 1970 ASEE Chemical Engineering Division Lecturer was Dr. Joe Mauk Smith of the California Institute of Technology. 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, Dr. J. M. Smith at the Annual Chemical Engineering Division Meeting held June 24, 1969 at the Ohio State University. Dr. Smith spoke on "Photochemical Processing — Photo decomposition of Pollutants in Water." A paper based upon his lecture will be published in an early issue of **Chemical Engineering Education**.

#### 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."

#### BIOGRAPHICAL SKETCH



Joe Mauk Smith, from Sterling, Colorado, was educated in Applied Chemistry at the California Institute of Technology and in Chemical Engineering at the Massachusetts Institute of Technology.

He has taught in chemical engineering as an Instructor at M.I.T., as an assistant professor at Maryland, as professor at Purdue, as Dean at the University of New Hampshire, as professor and Chairman of Chemical Engineering at Northwestern University, and, currently, as professor and Chairman of the Chemical Engineering Department at the Davis campus of the University of California.

Professor Smith has written two text books, both of which are ranked as standard works: "Introduction to Chemical Engineering Thermodynamics," with H. C. Van Ness, and "Chemical Engineering Kinetics."

Professor Smith's research publications cover a wide range of areas in both basic and applied engineering sciences including heat and mass transfer, reaction kinetics, reactor design, and thermodynamic properties. Recently his research has centered to a significant degree on the engineering aspects of photochemical processes, with emphasis on reactor design and kinetics.

Professor Smith has held distinguished lectureships in the U. S. and in Argentina, Spain, Netherlands, and India. He won William H. Walker Award of the American Institute of Chemical Engineers in 1960.