



CHEMICAL ENGINEERING DIVISION ACTIVITIES

Seventh Annual Lectureship Award to C. J. Pings

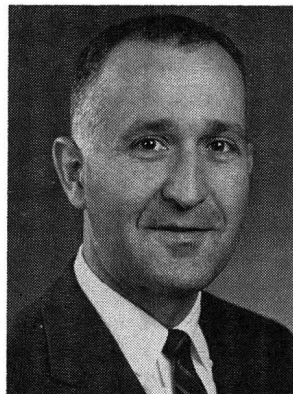
The 1969 ASEE Chemical Engineering Division Lecturer is Dr. C. J. Pings of the California Institute of Technology. The purpose of this award lecture is to recognize and encourage outstanding achievement in an important field of fundamental chemical engineering theory or practice. *The 3M Company provides 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. C. J. Pings, at the Annual Chemical Engineering Division Banquet held June 24, 1969 at the Pennsylvania State University. Dr. Pings spoke on "A Chemical Engineer Looks at the Physics of Simple Liquids." 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."

BIOGRAPHIC SKETCH



Cornelius J. Pings was born in Montana in 1929 and entered the California Institute of Technology in 1947 from which he received a BS degree in Applied Chemistry in 1951, an MS degree in Chemical Engineering in 1952, and a PhD degree in Chemical Engineering in 1955. He served on the faculty at Stanford University from 1955 to 1959 before returning to Caltech where he is now

Professor of Chemical Engineering.

In research and scholarly activities his interests have centered about the areas of applied chemical thermodynamics and the physics and chemistry of liquids. In the area of thermodynamics his work has led to important improvements in the methods for quantitatively describing the displacement of chemical equilibria. His research in liquid state physics and chemistry, which has been both theoretical and experimental, has the long-range objective of fundamental elucidation of the liquid state. He has developed one of the most extensive and best equipped laboratories in the United States for the fundamental study of fluids. Recent advances, deal with sound absorption at critical states, the structure of liquid argon, and studies of intermolecular forces.

In addition to his research and teaching activities, he has been active in faculty government and in student affairs. He has served for the past year as chairman of a special faculty committee on the aims and goals of Caltech. Also active in civic affairs, Dr. Pings was named in 1968 to the Community Redevelopment Agency of the City of Pasadena. He has served as a consultant to a number of industrial firms and to the Department of Defense.

Professor Pings served as Visiting Professor of Chemical Engineering at the University of Brazil in 1963. He has received two Presentation Awards from the AIChE—one from the 56th National Meeting in Houston (1963) and the other from the 56th Annual Meeting in San Francisco (1965). He is editor of the *Journal of Physics and Chemistry of Liquids*, and will serve in August 1969, as Chairman of the Gordon Research Conference on the Chemistry and Physics of Liquids.