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Dedication

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DEDICATION



**DEDICATED TO THE MEMORY OF
PROFESSOR J. CALVIN GIDDINGS
1930–1996**

SCIENTIST, TEACHER, FRIEND, EXPLORER

Albert Einstein once wrote, “If I have been able to look into the future, it is because I stood on the shoulders of giants.”

This special issue of the Journal of Liquid Chromatography & Related Technologies is dedicated to Professor J. Calvin Giddings—an intellectual, scientific, and humanitarian giant upon whose shoulders we have stood in our own time. He, his teaching, and his great enthusiasm have inspired so many of

us, too numerous to count, to higher levels of achievement; Cal made research so real, exciting, vibrant, that we wanted to delve into and carry forward that which he so aptly pioneered.

Professor Giddings was born in American Fork, Utah, on September 26, 1930. He received a B.S. degree from Brigham Young University in 1952 and a Ph.D. degree from the University of Utah in 1954 under Henry Eyring. His thesis research dealt with topics in chemical kinetics, quantum chemistry, and chromatography. He did post-doctoral work on the theory of flames with J. S. Hirschfelder at the University of Wisconsin.

In 1957, Dr. Giddings joined the faculty of the University of Utah as Assistant Professor of Chemistry. He became Associate Professor in 1959, Research Professor in 1962, Professor in 1966, and Distinguished Professor in 1989.

A major area of his research has been chromatography in almost all of its fundamental aspects. He has also worked on the unification of separation theory, new separation methodology, macromolecular separations, techniques for diffusion coefficient measurements, theory of diffusion, chemical kinetics, and snow and avalanche physics. He invented and extensively developed the versatile field-flow fractionation method for macromolecular separations. He has been active in research and education dealing with environmental problems.

Dr. Giddings is author or co-author of over 400 publications and Editor of 32 books. He is sole author of "Dynamics of Chromatography" (1965), the textbook, "Chemistry, Man, and Environmental Change" (1973), and the graduate text, "Unified Separation Science" (1991).

Scientific posts he has held include: Advisory Board of Analytical Chemistry (1962-1964); Chemistry Research Evaluation Panel, AFOSR (1964-1969); Exec. Editor of Separation Science & Technology (1966-1996); Exec. Editor of Advances in Chromatography (1965-1991); Advisory Board of Negative Population Growth, Inc.; Editorial Board of Journal of Liquid Chromatography & Related Technologies (1978-1996); Editorial Board of Journal of Microcolumn Separations; Fellow, American Association for the Advancement of Science; Fullbright Grant, Cayetano Heredia University, Lima, Peru.

Dr. Giddings has received many awards, including the ACS Award in Chromatography & Electrophoresis (1967); Utah Award, ACS Local Sections (1970); ROMCOE Award, Outstanding Environmental Achievement in

Education (1973); Tswett Medal in Chromatography (1978); Stephen Dal Nogare Chromatography Award (1979); Distinguished Research Award, University of Utah (1979); ACS Award in Analytical Chemistry (1980); Russian Scientific Council Chromatography Award (1980); Phi Lambda Upsilon Award, University of Nebraska (1983); ACS Award in Separation Science & Technology (1986); Honorary Doctor's Degree, University of Uppsala, Sweden (1987); R&D 100 Award (jointly with M. N. Myers), R&D Magazine (1988); EAS Award for Outstanding Achievements in Fields of Analytical Chemistry (1988); Martin Award, The Chromatography Society, London (1988); Merit Award, Chicago Chromatography Discussion Group (1988); R&D 100 Award (jointly with M. N. Myers), R&D Magazine (1989); National Award in Chromatography, N. E. Regional Chrom. Disc. Group (1990); Nichols Medal, NY Section, ACS (1991); Governor's Medal in Science & Technology (1991); Pittsburgh Analytical Chemistry Award, SACP (1992); Vinci of Excellence Award, Science for Art Competition, LVMH Group, Paris (1993).

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