



## **ERICSON JOHN LIST**

Principal Consultant, Flow Science Incorporated and *Emeritus* Professor of Environmental Engineering Science, California Institute of Technology, Pasadena, California.

### **Years of Experience**

44

### **Education**

Ph.D. Applied Mechanics and Mathematics - California Institute of Technology, 1965

M.E. (Civil Engineering) - University of Auckland, New Zealand, 1962

B.Sc. (Mathematics) - University of Auckland, New Zealand, 1962

B.E. (First Class Honors) - University of Auckland, New Zealand, 1961

### **Professional Affiliations**

Professional Civil Engineer in the States of California (C 36791), South Carolina (20646)

Florida (57786), North Carolina (027270), Nevada (015627), Georgia (028604)

Life Member and Fellow of American Society of Civil Engineers

Consulting Engineers and Land Surveyors of California and ACEC South Carolina

U.S. National Science Foundation Award for Special Creativity, 1982

Who's Who in America and Who's Who in Engineering

### **Key Qualifications**

Dr. List was Professor of Environmental Engineering Science at the California Institute of Technology between 1969 and 1997. He joined the faculty at Caltech in 1969 as an Assistant Professor, after spending three years as a lecturer and senior lecturer at the University of Auckland. For the period of 1980-1985, he was Executive Officer of Environmental Engineering Science at Caltech. He also held the position of editor of the *Journal of Hydraulic Engineering*, American Society of Civil Engineers, from 1984 to 1989. Since 1997 he has been Principal Consultant at Flow Science Incorporated.

### **Related Experience**

Professor List has consulted with more than 800 industrial organizations, consulting engineers and governmental agencies, including Southern California Edison, Chevron, IBM, Exxon, AstraZeneca, City and County of San Francisco, City of Los Angeles, City of Seattle, City of San Diego, City and County of Honolulu, Southern California Metropolitan Water District, Southern Nevada Water Authority, Los Angeles, Orange County and Sacramento Sanitation Districts. He has authored reports in the following areas of work: brine disposal, coastal ocean mixing, ICP-MS tracer analysis, power plant cooling systems, wastewater diffusers, dredge spoil disposal, river dispersion, reservoir modeling, reservoir destratification and mixing, well testing, renovation and failure analysis, pulsation control and waterhammer protection, pipeline failure, groundwater mass balance, pump wetwell design, acoustic resonance in piping systems, particle coagulation and sedimentation, fate and transport of DDT, arsenic, chromium and perchlorate.

Professor List is co-author of the texts *Mixing in Inland and Coastal Waters* (Academic Press, 1979), *Turbulent Buoyant Jets and Plumes* (Pergamon Press, 1983), and the award-winning *Handbook of Ground Water Development* (Wiley, 1990). He is the author or co-author of 40 scientific publications. Since its establishment in 1983 by Dr. List, Flow Science Incorporated has successfully completed more than 1,000 contracts.