

Overview

The purpose of the Symposium on Monitoring Water in the 1990s: Meeting New Challenges was to provide a forum for industrial, governmental and environmental scientists to present and discuss problems affecting water monitoring as well as evaluating potential solutions based on current research and state-of-the-art technology.

A secondary purpose of the symposium was to stimulate interest in the efforts of ASTM Committee D-19 on Water and the thirteen subcommittees involved in water treatment, measurement and monitoring. The symposium was unique because it represented the diverse disciplines of the total ASTM Committee D-19 covering statistical evaluation of data and method validation, sampling and flow measurement, radiochemical and mixed waste analyses, organic and inorganic constituent analyses, sediments, geomorphology and open-channel flow, microbiology, saline water methodology, water for power generation and process use and identification of waterborne oils.

Geraldine V. Cox, Vice President and Technical Director, Chemical Manufacturers Association (CMA) presented the Keynote address on "Monitoring More -- Measuring Less and Less." The address clearly presented the challenges for biologists, hydrologists, toxicologists, chemists and other environmental scientists to assure the validity of environmental data.

This publication of the proceedings contains 44 papers presented at the symposium. Authors include front line researchers and known authorities in their fields. All papers have undergone critical peer review by ASTM approved reviewers in accordance with ASTM publication criteria. These proceedings should prove useful to all disciplines dealing with the generation, use and interpretation of water data.

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