

AQUATIC TOXICOLOGY AND HAZARD ASSESSMENT

*Proceedings of the
Fourth Annual Symposium
on Aquatic Toxicology*

Branson/Dickson, editors

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**AMERICAN SOCIETY FOR
TESTING AND MATERIALS**

AQUATIC TOXICOLOGY AND HAZARD ASSESSMENT

Proceedings of the
Fourth Annual Symposium
on Aquatic Toxicology

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Committee E-35 on Pesticides
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D. R. Branson, Dow Chemical Co., and
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Foreword

This symposium on Aquatic Toxicology and Hazard Assessment was the fourth in a series of annual symposia on Aquatic Toxicology sponsored by the American Society for Testing and Materials, through its Committee E-35 on Pesticides. This fourth conference, held 16-17 Oct. 1979 in Chicago, Ill., was arranged in cooperation with ASTM Committee D-19 on Water and the Water Quality Section of the American Fisheries Society.

D. R. Branson, Dow Chemical Company, and K. L. Dickson, Institute of Applied Sciences, North Texas State University, presided as cochairmen of the symposium and served as editors of this publication.

Related ASTM Publications

Manual on Water, STP 442A (1978), \$28.50, 04-442010-16

Aquatic Toxicology and Hazard Evaluation, STP 634 (1977), \$30.75, 04-634000-16

Aquatic Toxicology: Second Conference, STP 667 (1979), \$37.75, 04-667000-16

Aquatic Toxicology: Third Conference, STP 707 (1980), \$39.50, 04-707000-16

Measurement of Organic Pollutants in Water and Wastewater, STP 686 (1979), \$36.50, 04-686000-16

Biological Data in Water Pollution Assessment: Quantitative and Statistical Analyses, STP 652 (1978), \$17.50, 04-652000-16

Estimating the Hazard of Chemical Substances to Aquatic Life, STP 657 (1978), \$19.50, 04-657000-16

Bacterial Indicators/Health Hazards Associated with Water, STP 635 (1977), \$34.75, 04-635000-16

Biological Monitoring of Water and Effluent Quality, STP 607 (1976), \$24.25, 04-607000-16

Water Quality Parameters, STP 573 (1975), \$29.50, 04-573000-16

Biological Methods for the Assessment of Water Quality, STP 528 (1972), \$16.25, 04-528000-16

Native Aquatic Bacteria: Enumeration, Activity, and Ecology, STP 695 (1979), \$25.00, 04-695000-16

A Note of Appreciation to Reviewers

This publication is made possible by the authors and, also, the unheralded efforts of the reviewers. This body of technical experts whose dedication, sacrifice of time and effort, and collective wisdom in reviewing the papers must be acknowledged. The quality level of ASTM publications is a direct function of their respected opinions. On behalf of ASTM we acknowledge with appreciation their contribution.

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