## **CONTENTS**

Perforated-Pipe Water Intake for Fish Protection by Richard T. Richards and Mark J. Hroncich	139
Upstream Flood Lowering in Reservoirs by Bob Buehler	151
Dimensionless Solution of Dam-Break Flood Waves by John G. Sakkas and Theodor Strelkoff	171
Simulation of Hydraulic Processes in Open Channels by Chao-Lin Chiu, Hsin-Chi Lin, and Kazumasa Mizumura	185
Channel Flow Over Permeable Beds of Graded Spheres by Anthony F. E. Zagni and Kenneth V. H. Smith	207

## DISCUSSION

Proc. Paper 11879

Multiple Linearization Flow Routing Method, by Thomas N. Keefer	
and Raul S. McQuivey (July, 1974. Prior Discussion: Aug., 1975).	
closure	225

This Journal is published monthly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$10.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. HY, GT.

The Society is not responsible for any statement made or opinion expressed in its publications.