

# CONTENTS

<b>Planning Storm-Drainage Systems for Urban Growth</b> <i>by Stergios A. Dendrou, Jacques W. Delleur, and Joseph J. Talavage</i> . . . . .	1
<b>Optimal Planning for Urban Storm Drainage Systems</b> <i>by Stergios A. Dendrou, Joseph J. Talavage, and Jacques W. Delleur</i> . . . . .	17
<b>Disaster Response to Flash Flood</b> <i>by Robert L. Berling</i> . . . . .	35
<b>Economic Assessment of Storm Drainage Planning</b> <i>by Walter J. Rawls and Richard H. McCuen</i> . . . . .	45
<b>How Do People Get Water Resources Research Information?</b> <i>by James M. Wiggert</i> . . . . .	55
<b>Environmental Specialists in Water Agencies</b> <i>by Bryan R. Jenkins and Leonard Ortolano</i> . . . . .	61
<b>Least-Cost Design of Urban-Drainage Networks</b> <i>by Syver Froise and Stephen J. Burges</i> . . . . .	75
<b>Land Use Allocation Model for Flood Control</b> <i>by Lewis D. Hopkins, E. Downey Brill, Jr., Jon C. Liebman, and Harry G. Wenzel</i> . . . . .	93

→

---

This Journal is published aperiodically 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 \$4.00. Nonmember subscriptions available; prices obtainable on request. EY, SU, TC, UP, WR.

The most recent issues of this journal were published in November 1976, May 1977, and November 1977.

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

<b>Control of 1973 Mississippi River Flood</b> <i>by Robert I. Kaufman</i> . . . . .	105
<b>Public Process Portion of Impacts Analysis</b> <i>by Francis W. Montanari</i> . . . . .	123
<b>Management of Rural Water Supply Peak Flow Rates</b> <i>by Trevor C. Hughes</i> . . . . .	129
<b>Information Requirements for Improving Hydropower</b> <i>by William W-G. Yeh, Leonard Becker, and Robert L. Sohn</i> . . . . .	139
<b>Delaware River Basin Water Resources Management</b> <i>by Cecil H. J. Hull</i> . . . . .	157
<b>Reservoir System Operating Policy—Case Study</b> <i>by Gerrit H. Toebe and Chaipant Rukvichai</i> . . . . .	175
<b>Power Development and Water Allocation in Ohio River Basin</b> <i>by Robert W. Fuessle, Randolph M. Lyon, E. Downey Brill, Jr., Glenn E. Stout, and Keith E. Wojnarowski</i> . . . . .	193
<b>Economic Analysis of Structural Flood Proofing</b> <i>by J. Ernest Flack</i> . . . . .	211
<b>Urban Runoff Control Master Planning</b> <i>by Murray B. McPherson</i> . . . . .	223
<b>Engineering Solutions to Bay Area Drought Conditions</b> <i>by Donald G. Larkin</i> . . . . .	235
<b>The Civil Engineer's Responsibility in Impact Analysis</b> <i>by the Committee on Impact Analysis of the Water Resources Planning and Management Division</i> . . . . .	253
<b>California Changes Its Environmental Quality Act</b> <i>by Norman E. Hill</i> . . . . .	265

---

TECHNICAL NOTES

Proc. Paper 14126

---

<b>Teton Dam Failure: Experience in Disaster Response</b> <i>by Murland R. Packer and C. Stephen Allred</i> . . . . .	275
--	-----

---

DISCUSSION

Proc. Paper 14121

---

**Dealing with Variable Flood Hazard**, by Jerry A. McCrory, L. Douglas James, and D. Earl Jones, Jr. (Nov., 1976. Prior Discussion: Nov., 1977).  
*closure* . . . . . 283

**Impact of Water Resources on Vector-Borne Diseases**, by Richard O. Hayes (Nov., 1976. Prior Discussion: Nov., 1977).  
*closure* . . . . . 285

**Water and Energy Systems: A Planning Model,**<sup>a</sup> by E. Downey Brill, Jr., S. Giray Velioglu, and Robert W. Fuessle (May, 1977).  
*by John H. Gerstle and David H. Marks* . . . . . 285

**Pumped Storage Optimization in Generation Systems,**<sup>a</sup> by James S. Windsor (May, 1977).  
*by Fritz G. Rohde and Ernst Ch. Zoller* . . . . . 287

**Test of Landsat-Based Urban Hydrologic Modeling,**<sup>a</sup> by Thomas J. Jackson, Robert M. Ragan, and William N. Fitch (May, 1977).  
*by Bob Buehler* . . . . . 289

**Land Data Management System for Resource Planning**, by Stuart G. Welsh, Lois A. Kawatski, and Paul J. Clavette (Nov., 1977).  
*errata* . . . . . 291

**Urban Flood Management: Problems and Research Needs,**<sup>a</sup> by David H. Howells (Nov., 1977).  
*by Kon Chin* . . . . . 292

**Environmental Model of Kissimmee River Basin,**<sup>a</sup> by Philip B. Bedient, Wayne C. Huber, and James P. Heaney (Nov., 1977).  
*by Bernard H. Golding* . . . . . 292

**Flood Management for Small Urban Streams,**<sup>a</sup> by William Whipple, Jr. (Nov., 1977).  
*by Paul F. Keim* . . . . . 294

---

<sup>a</sup>Discussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.