
Journal of the
HYDRAULICS DIVISION
Proceedings of the American Society of Civil Engineers

**HYDRAULICS DIVISION
EXECUTIVE COMMITTEE**

Harold M. Martin, Chairman; Carl E. Kindsvater, Vice-Chairman;
Wallace M. Lansford; Arthur T. Ippen; Joseph B. Tiffany, Jr., Secretary

COMMITTEE ON PUBLICATIONS

James W. Hall, Chairman; Wallace M. Lansford; Joseph B. Tiffany

CONTENTS

December, 1957

Papers

	Number
The Hydraulic Jump at an Abrupt Drop by Walter L. Moore and Carl W. Morgan	1449
Transition from Laminar to Turbulent Flow in a Pipe by M. R. Carstens	1450
Flood Frequencies Derived from Rainfall Data by Joseph L. H. Paulus and John F. Miller	1451
Flow Characteristics on the Ogee Spillway by Robert B. Jansen	1452
Discharge Characteristics of Rectangular Thin-Plate Weirs by Carl E. Kindsvater and Rolland W. Carter	1453
Air Binding in Large Pipelines Flowing Under Vacuum by R. T. Richards	1454
Flow Through Circular Weirs by J. C. Stevens	1455
Discussion	1456
Divided Flow Through a Divergent Inlet Conduit by Stavros Tsakonas	1492