Journal of the

WATERWAYS AND HARBORS DIVISION

Proceedings of the American Society of Civil Engineers

WATERWAYS AND HARBORS DIVISION EXECUTIVE COMMITTEE

Charles F. MacNish, Chairman; Ben E. Nutter; Evan W. Vaughan; Mark S. Gurnee; Robert J. Winters, Secretary; Roger H. Gilman, Board Contact Member

COMMITTEE ON PUBLICATIONS

Jay V. Hall, Jr., Chairman; Eric Bottoms; Joseph M. Caldwell; Ellsworth I. Davis; James W. Dunham; Donald R. Forrest

CONTENTS

August, 1963

Papers

	Page
Risk Criteria	
by Leon E. Borgman	1
Design Waves For Littoral Drift Models	
by R. Silvester	37
(over)	

Copyright 1963 by the American Society of Civil Engineers.

The three preceding issues of this Journal are dated November 1962, February 1963, and May 1963.

DISCUSSION

	Page
Formulas For Design of Rubblemound Breakwaters, by Roald Svee. (May, 1962. Prior discussion: November, 1962, February, 1963. Discussion closed.) by Roald Svee (closure)	51
Wave Force Coefficients For Offshore Pipelines, by Herbert Beckmann and Murphy H. Thibodeaux. (May, 1962. Prior discussion: November, 1962, February, 1963. Discussion closed.) by Herbert Beckmann and Murphy H. Thibodeaux (closure)	53
Wave Forces on Breakwater Capstones, by Gunnar Sigurdsson. (August, 1962. Prior discussion: February, 1963. Discussion closed.) by Gunnar Sigurdsson (closure)	57
Computer Solution of Storm Surges, by Harold R. Davis. (August, 1962. Prior discussion: February, 1962. Discussion closed.) by Harold R. Davis (closure)	59
Water Forces on Flexible Oscillating Cylinders, by Alan D. K. Laird. (August, 1962. Prior discussion: February, 1963. Discussion closed.) by Alan D. K. Laird (closure)	61
Evaluation of Mooring Forces, by Shu-t'ien Li. (November, 1962. Prior discussion: May, 1963. Discussion closed.)	
by R. M. Langer by Basil W. Wilson	63 65