Journal of the

ENGINEERING MECHANICS DIVISION

Proceedings of the American Society of Civil Engineers

ENGINEERING MECHANICS DIVISION EXECUTIVE COMMITTEE

Egor P. Popov, Chairman; Bruce G. Johnston, Vice Chairman; John W. Clark; Merit P. White; Donald L. Dean, Secretary Elmer K. Timby, Board Contact Member

COMMITTEE ON PUBLICATIONS

Bruce G. Johnston, Chairman; Hans H. Bleich; Jack E. Cermak; Donald L. Dean; John E. Goldberg; William J. Hall; John D. Haltiwanger; Herbert S. Suer; Joseph F. Throop

CONTENTS

October, 1961

Papers

	Page
Effect of Structure and Foundation Interaction by Daniel L. Lycan and Nathan M. Newmark	ţ
Elastic Rayleigh Wave Effects Due to Nuclear Blasts by Melvin L. Baron and Charles Lecht	33
Interfacial Mixing in Stratified Flow by Enzo Oscar Macagno and Hunter Rouse (over)	55

Copyright 1961 by the American Society of Civil Engineers.

Note. — Part 2 of this Journal is the 1961-40 Newsletter of the Engineering Mechanics Division.

The three preceding issues of this Journal are dated April 1961, June 1961, and August 1961.

DISCUSSION

	Page
Dynamic Response of Beams Traversed by Two-Axle Loads, by Robert K. Wen. (October, 1960. Prior discussion: April, 1961. Discussion closed.) by Robert K. Wen (closure)	85
Bearing Capacity of Floating Ice Sheets, by G. G. Meyerhof. (October, 1960. Prior discussion: May, 1961. Discussion closed.) by G. Y. Sebastyan and F. Penner	87
Elasto-Plastic Analysis by Numerical Procedures, by Annabel L. Tong. (December, 1960. Prior discussion: May, 1961. Discussion closed.) by Annabel L. Tong (closure)	97
Response of Multi-Story Structures to Earthquake, by Glen V. Berg. (April, 1961. Prior discussion: None. Discussion closed.) by Richard G. Troy	99
Commentary on Plastic Design in Steel, Joint WRC-ASCE Committee on Plasticity Related to Design. (Prior discussion: January, 1960. April, 1960. October, 1960. Discussion closed.) by Joint-WRC-ASCE Committee on Plasticity Related to Design (closure)	103