

CONTENTS

INTERNATIONAL ABSTRACTS SECTION—SPECIAL REPORT by Joseph M. DeSalvo, Chmn. of Committee on Information Retrieval	1145
Papers	
FINITE ELEMENT ANALYSES OF PORT ALLEN LOCK by James M. Duncan and G. Wayne Clough	1053
VIBRATORY DENSIFICATION OF DAMP CLAYEY SANDS by Raymond J. Krizek and Jose I. Fernandez	1069
DEFORMATION CHARACTERISTICS OF SANDS UNDER CYCLIC LOADING by Marshall L. Silver and H. Bolton Seed	1081
TEST PROCEDURES FOR MEASURING SOIL LIQUEFACTION CHARACTERISTICS by H. Bolton Seed and William H. Peacock	1099

(over)

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 is \$16.00 per year with discounts to members and libraries. Second-class postage paid at New York, N.Y. and at additional mailing offices. SM.

 DISCUSSION

Proc. Paper 8270

UNDRAINED STRENGTH OF ANISOTROPICALLY CONSOLIDATED SAND, by Kenneth L. Lee and H. Bolton Seed (Mar., 1970. Prior Discussion: Jan., 1971). closure	1123
MECHANISMS CONTROLLING COMPRESSIBILITY OF CLAYS, ^a by Roy E. Olson and Gholamreza Mesri (Nov., 1970. Prior Discussions: June, July, 1971). by Sam Frydman, Jan Kinsky, and Israela Ravina	1124
STABILITY OF CELLULAR COFFERDAMS AGAINST VERTICAL SHEAR, ^a by Melvin I. Esrig (Nov., 1970). by Wallace Estill Wilson	1127
STRENGTH OF ANISOTROPICALLY CONSOLIDATED COMPACTED CLAY, ^a by Kenneth L. Lee and Ross A. Morrison (Nov., 1970). by Ravikumar Bhaskaran	1128
CALCULATED AND OBSERVED VIBRATION AMPLITUDES, ^a by Peter J. Moore (Jan., 1971). by Kolinjuvadi S. Sankaran and M. S. Subrahmanyam	1131
PHREATIC SURFACE LOCATION AFTER DRAWDOWN, ^a by Arthur H. Dvinoff and Milton E. Harr (Jan., 1971. Prior Discussion: May, 1971). by Sivajogi D. Koppula	1134
CAISSON CONSTRUCTION PROBLEMS AND CORRECTION IN CHICAGO, ^a by Clyde N. Baker, Jr., and Fazlur Khan (Feb., 1971). by Dalim K. Majumdar	1136

^a Discussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.

TECHNICAL NOTE

Proc. Paper 8307

PREDICTING EFFECTIVE STRESS PATHS
by James P. Olson and Harvey E. Wahls 1139