
Journal of the
SOIL MECHANICS AND FOUNDATIONS DIVISION
Proceedings of the American Society of Civil Engineers

SOIL MECHANICS AND FOUNDATIONS DIVISION
EXECUTIVE COMMITTEE

Bramlette McClelland, Chairman; Woodland G. Shockley, Vice-Chairman;
Wesley G. Holtz; T. William Lambe; H. Bolton Seed, Secretary;
James D. Wilson, Board Contact Member

COMMITTEE ON PUBLICATIONS

Richard J. Woodward, Jr., Chairman; Richard G. Ahlvin; John A. Focht, Jr.;
Bernard B. Gordon; James P. Gould; Milton E. Harr; Kenneth S. Lane;
L. C. Reese; Frank E. Richart, Jr.; Robert V. Whitman; H. Bolton Seed,
Executive Committee Contact Member

CONTENTS

March, 1965

Papers

	Page
Approximation for Terzaghi's Bearing Capacity Factors by Raymond J. Krizek	1
Precompression for Support of Shallow Foundations by Harl P. Aldrich, Jr.	5
Shallow Foundations by George G. Meyerhof	21
Pile and Pier Foundations by Ralph B. Peck	33
Settlement Analyses, A Review of Theory and Testing Procedures by H. Bolton Seed	39

Copyright 1965 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1965-15 Newsletter of the Soil Mechanics Division.

The three preceding issues of this Journal are dated September, 1964, November, 1964, and January, 1965.

	Page
In-Situ Strength Characteristics of Soft Clays by Iraj Noorany and H. Bolton Seed	49
State-of-the-Art of Floating Foundations by Hugh Q. Golder	81

DISCUSSION

Unwatering Akosombo Cofferdams, by Donald J. Bleifuss. (March, 1964. Prior discussion: November, 1964. Discussion closed.) by Donald J. Bleifuss (closure)	91
Shear Strength of a Soil After Freezing and Thawing, by Bengt B. Broms and Leslie Y. C. Lee. (July, 1964. Prior discussion: None. Discussion closed.) by Chester W. Kaplar	91
Pore Pressures and Bearing Capacity of Layered Clays, by T. Cameron Kenney. (July, 1964. Prior discussion: January, 1965. Discussion closed.) by D. L. Townsend	98
by M. R. Madhav and A. Sridharan.	102
by I. da Silveira.	105
Yielding and Locking of Confined Sand, by Robert V. Whitman, Edmond T. Miller, and Peter J. Moore. (July, 1964. Prior discussion: None. Discussion closed.) by Phillip A. Abbott, Clark P. Sanger, and Warren J. Baker	107
Variable Factors Theory of Bearing Capacity, by George C. Y. Hu. (July, 1964. Prior discussion: None. Discussion closed.) errata	112
Clay Mineralogical Aspects of the Atterberg Limits, by H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren. (July, 1964. Prior discussion: January, 1965. Discussion closed.) by Lelia Arcan	113
Consolidation Coefficient: Cohesive Soil Mixtures, by Robert L. Kondner and José R. Vendrell, Jr., (September, 1964. Prior discussion: None. Discussion closed.) by Henry W. Janes	117

	Page
Pressure Cell Observation—Garrison Dam Project, by H. A. Sikso and C. V. Johnson. (September, 1964. Prior discussion: None. Discussion closed.) by Charles J. Monahan	118
Settlement of Buildings on the MIT Campus, by Harry M. Horn and T. William Lambe. (September, 1964. Prior discussion: None. Discussion closed.) by Ulrich W. Stoll.	120
by Thomas E. Phalen, Jr.	120
Settlement Response Caused by Footing Groups, by Raymond J. Krizek and Robert L. Kondner. (September, 1964. Prior discussion: January, 1965. Discussion closed.) by Hamilton Gray	122
by I. da Silveira	127
Field Observations of Structures Damaged by Settlement, by Donald McKinley. (September, 1964. Prior discussion: None. Discussion closed.) by Gordon A. Fletcher.	129
Interpretation of the Consolidation Test, by Carl B. Crawford. (September, 1964. Prior discussion: January, 1965. Discussion closed.) by John H. Schmertmann	131
Controlled Water Tests to Preload Tank Foundation, by Robert D. Darragh. (September, 1964. Prior discussion: None. Discussion closed.) by Ulrich W. Stoll.	135

INFORMATION RETRIEVAL

The key words, abstract, and reference "cards" for each article in this Journal represent part of the ASCE participation in the EJC information retrieval plan. The retrieval data are placed herein so that each can be cut out, placed on a 3 x 5 card and given an accession number for the user's file. The accession number is then entered on key word cards so that the user can subsequently match key words to choose the articles he wishes. Details of this program were given in an August 1962 article in CIVIL ENGINEERING, reprints of which are available on request to ASCE headquarters.