

---

---

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

---

---

SOIL MECHANICS AND FOUNDATIONS DIVISION  
EXECUTIVE COMMITTEE

Wesley G. Holtz, Chairman; Bramlette McClelland, Vice Chairman;  
John Lowe, III; Woodland G. Shockley; H. Bolton Seed, Secretary;  
Leland J. Walker, Board Contact Member

COMMITTEE ON PUBLICATIONS

Robert V. Whitman, 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.; R. J. Woodward;  
H. Bolton Seed, Executive Committee Contact Member

CONTENTS

September, 1964

Papers

	Page
Consolidation of Nonhomogeneous Clay Layers by Robert L. Schiffman and Robert E. Gibson . . . . .	1
Consolidation Coefficient: Cohesive Soil Mixtures by Robert L. Kondner and José R. Vendrell, Jr. . . . .	31
Methods of Estimating Settlement by T. William Lambe . . . . .	43
Consolidation Testing with Back Pressure by John Lowe, III, Philip F. Zaccheo, and Harvey S. Feldman . . . . .	69
(over)	

Copyright 1964 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1964-39 Newsletter of the Soil Mechanics Division.

The three preceding issues of this Journal are dated March, 1964, May, 1964, and July, 1964.

	Page
Interpretation of the Consolidation Test by Carl B. Crawford .....	87
Stress-Strain Modulus of Clay in Undrained Shear by Charles C. Ladd .....	103
Compressibility of Clay by G. A. Leonards and A. G. Altschaeffl .....	133
Pressure Cell Observations—Garrison Dam Project by H. A. Sikso and C. V. Johnson .....	157
Settlement of Buildings on the MIT Campus by Harry M. Horn and T. William Lambe .....	181
Differential Settlement at Selfridge Air Force Base by George B. Wallace and William C. Otto .....	197
Engineering Measurements for Port Allen Lock by Robert I. Kaufman and Walter C. Sherman, Jr. ....	221
Field Observations of Structures Damaged by Settlement by Donald McKinley .....	249
Settlement Response Caused by Footing Groups by Raymond J. Krizek and Robert L. Kondner .....	269
Fill Settlement Despite Vertical Sand Drains by George F. Sowers .....	289
Controlled Water Tests to Preload Tank Foundations by Robert D. Darragh .....	303
Use of Surcharges in Highway Construction by William F. Kleiman .....	331
Effect of Preconsolidation on Settlements by Leo Casagrande .....	349
Surface Stabilization of Organic Silty Clay by Precompression by Ernest Jonas .....	363