

---

---

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

---

---

SOIL MECHANICS AND FOUNDATIONS DIVISION  
EXECUTIVE COMMITTEE

Woodland G. Shockley, Chairman; T. William Lambe, Vice-Chairman;  
Bramlette McClelland; Frank E. Richart, Jr.; 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

November, 1965

Papers

	Page
Use of Free Ends in Triaxial Testing of Clays by Laing Barden and Richard J. W. McDermott . . . . .	1
Shear Stress and Pore Pressure in Triaxial Testing by G. E. Blight . . . . .	25
Pore Air Pressure in Soil Subjected to Shock Waves by Delon Hampton . . . . .	41
British Practice for Grouting Granular Soils by William Ellis Perrott . . . . .	57
Alluvium Grouting Proved Effective on Alpine Dam by Darius Bonazzi . . . . .	81
(over)	

Copyright 1965 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1965-52 Journal of the Soil Mechanics Division.

The three preceding issues of this Journal are dated May, 1965, July, 1965, and September, 1965.

---

DISCUSSION

---

Yielding and Locking of Confined Sand, by Robert V. Whitman, Edmond T. Miller, and Peter J. Moore. (July, 1964. Prior discussion: March, 1965. Discussion closed.) by Robert V. Whitman, Edmond T. Miller and Peter J. Moore (closure) . . . . .	97
Engineering Measurements for Port Allen Lock, by Robert I. Kaufman and Walter C. Sherman, Jr. (September, 1964. Prior discussion: May, 1965. Discussion closed.) by Robert I. Kaufman and Walter C. Sherman, Jr. (closure) . . . . .	98
Differential Settlement at Selfridge Air Force Base, by George B. Wallace and William C. Otto. (September, 1964. Prior discussion: May, 1965. Discussion closed.) by George B. Wallace and William C. Otto (closure) . . . . .	99
Interpretation of the Consolidation Test, by Carl B. Crawford. (September, 1964. Prior discussion: January, March, May, 1965. Discussion closed.) by Carl B. Crawford (closure) . . . . .	104
Earthquake Stability of Slopes of Cohesionless Soils, by H. Bolton Seed and Richard E. Goodman. (November, 1965. Prior discussion: May, July, 1965. Discussion closed.) errata . . . . .	108
Fundamental Aspects of the Atterberg Limits, by H. Bolton Seed, Richard J. Woodward, and Raymond Lundgren. (November, 1964. Prior discussion: July, 1965. Discussion closed.) by Jaroslav Feda . . . . .	109
Self-Recording Soil Penetrometer, by Bengt B. Broms and D. E. Broussard. (January, 1965. Prior discussion: May, 1965. Discussion closed.) by Bengt B. Broms and D. E. Broussard (closure) . . . . .	114
Measuring Instruments for Struttred Excavations, by Lauritis Bjerrum, T. Cameron Kenney, and Bjørn Kjaernsli. (January, 1965. Prior discussion: September, 1965. Discussion closed.) by W. H. Ward . . . . .	114
Precompression for Support of Shallow Foundations, by Harl P. Aldrich. (March, 1965. Prior discussion: July, 1965. Discussion closed.) by N. E. Simons . . . . .	115

	Page
Shallow Foundations, by George G. Meyerhof. (March 1965. Prior discussion: None. Discussion closed.)	
by Clyde N. Baker, Jr. . . . .	119
Pile and Pier Foundations, by Ralph B. Peck. (March, 1965. Prior discussion: September, 1965. Discussion closed.)	
by R. F. Bartholomew and N. E. Simons . . . . .	122
In-Situ Strength Characteristics of Soft Clays, by Iraj Noorany and H. Bolton Seed. (March, 1965. Prior discussion: None. Discussion closed.)	
by John H. Schmertmann . . . . .	123
Settlement Analyses, A Review of Theory and Testing Procedures, by H. Bolton Seed. (March, 1965. Prior discussion: None. Discussion closed.)	
by Carl B. Crawford . . . . .	127
State-of-the-Art of Floating Foundations, by Hugh Q. Golder. (March, 1965. Prior discussion: September, 1965. Discussion closed.)	
by Pablo Girault . . . . .	128
Some Swelling Characteristics of Compacted Clay, by James V. Parcher and Ping-Chuan Liu. (May, 1965. Prior discussion: None. Discussion closed.)	
by O. Clarke Mann . . . . .	130
Tolerance of Structures to Settlement, by Jacob Feld. (May, 1965. Prior discussion: September, 1965. Discussion closed.)	
by Saki Rosenhaupt . . . . .	131
Stability of Slopes in Anisotropic Soils, by Kwan Yee Lo. (July, 1965. Prior discussion: None. Discussion closes December 1, 1965.)	
by George G. Meyerhof . . . . .	132