
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;
 Clyde D. Gessel, 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

January, 1965

Papers

	Page
Lunar Problems in Soil Engineering by Ronald F. Scott	1
Radial Drainage Oedometer for Laminated Clays by D. H. Shields and P. W. Rowe	15
Engineering Properties of Simulated Lunar Soils by Eben Vey and John D. Nelson	25
Self-Recording Soil Penetrometer by Bengt B. Broms and D. E. Broussard	53
The Nature of Damping in Sands by Bobby O. Hardin	63
(over)	

Copyright 1965 by the American Society of Civil Engineers.
 Note.—Part 2 of this Journal is the 1965-2 Newsletter of the Soil
 Mechanics Division.

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

	Page
Earth Pressures for Bilinear Backfill Surface by Bulusu Satyanarayana	99
Measuring Instruments for Struttred Excavating by Lauritis Bjerrum, T. Cameron Kenney, and Bjørn Kjaernsli	111
Soil Surface Compaction with a Foam-Type Explosive by L. J. Goodman, A. R. Aidun, and C. S. Grove, Jr.	143

DISCUSSION

Foundation Modulus Tests for Karadj Arch Dam, by W. A. Waldorf, J. A. Veltrop, and J. J. Curtis. (July, 1963. Prior discussion: January, March, 1964. Discussion closed.) by W. A. Waldorf, J. A. Veltrop, and J. J. Curtis (closure)	169
Stability of Cuts in Soft Clays, by T. Cameron Kenney. (September, 1963. Prior discussion: March, May, July, 1964. Discussion closed.) by T. Cameron Kenney (closure)	180
Shear Strength of Anisotropically Consolidated Clay, by Bengt B. Broms, and M. V. Ratnam. (November, 1963. Prior discussion: July, 1964. Discussion closed.) by Bengt B. Broms and M. V. Ratnam (closure)	182
Lateral Resistance of Piles in Cohesive Soils, by Bengt B. Broms. (March, 1964. Prior discussion: November, 1964. Discussion closed.) by Hudson Matlock and Berry R. Grubbs.	183
Rebound in Design of Oahe Hydraulic Structure, by Lloyd B. Underwood, Stanley T. Thorfinnson, and William T. Black. (March, 1964. Prior discussion: None. Discussion closed.) errata	188
Analysis of Pile Groups with Flexural Resistance, by Arthur J. Francis. (May, 1964. Prior discussion: November, 1964. Discussion closed.) by Peter Kocsis	188
Electric Analogs in Time-Settlement Problems, by Patrick Domenico and Glen Clark. (May, 1964. Prior discussion: November, 1964. Discussion closed.) by Ulrich Lüscher	190
Foundation Behavior of Iron Ore Storage Yards, by Ralph B. Peck and Tonis Raamot. (May, 1964. Prior discussion: November, 1964. Discussion closed.) by William S. Housel.	196

	Page
Lateral Resistance of Piles in Cohesionless Soils, by Bengt B. Broms. (May, 1964. Prior discussion: None. Discussion closed.)	
by Shamsher Prakash and S. L. Agarwal.	210
Pore Pressures and Bearing Capacity of Layered Clays, by T. Cameron Kenney. (July, 1964. Prior discussion: None. Discussion closed.)	
by A. A. Fungaroli	212
Clay Mineralogical Aspects of the Atterberg Limits, by H. Bolton Seed, Richard J. Woodward, Jr., and Raymond Lundgren. (July, 1964. Prior discussion: None. Discussion closed.)	
by J. MacNeill Turnbull.	218
by Melvin I. Esrig	220
Stress-Strain Modulus of Clay in Undrained Shear, by Charles C. Ladd. (September, 1964. Prior discussion: None. Discussion closes February 1, 1965.)	
by Hiram G. Larew.	224
Settlement Response Caused by Footing Groups, by Raymond J. Krizek and Robert L. Kondner. (September, 1964. Prior discussion: None. Discussion closes February 1, 1965.)	
by E. S. Barber	228
Interpretation of the Consolidation Test, by Carl B. Crawford. (September, 1964. Prior discussion: None. Discussion closes February 1, 1965.)	
by Nyal E. Wilson and M. B. Lo	231