

plane). Here the final (steady state) free surface was not horizontal but, in fact, parabolic so that a two-dimensional analysis had to be employed.

Yours faithfully,
Daniel Dicker, Eng.Sc.D.,
Assistant Professor.

Dept. of Engineering Analysis,
State University of New York at Stonybrook,
Stony Brook, N.Y., U.S.A.
28 May, 1963.

REFERENCE

DE WIEST, ROGER, 1961. "Free surface flow in homogeneous porous medium." *J. Hyd. Div., Proc. Amer. Soc. civ. Engrs.*, 87:HY4:181-220 (July) 1961.

BOOK REVIEWS

The measurement of soil properties in the triaxial test by A. W. Bishop and D. J. Henkel

Published by Edward Arnold Ltd, 2nd edition, 1962. 223 pp., 141 illustrations.

The authors and the publishers of this well-known but highly specialized book must be congratulated on having to produce a second edition at 60s. only 5 years after it first appeared, particularly as the price of the first edition at 70s. must have been an embarrassment to many purchasers.

The present edition is produced by an off-set process and the first 180 pages are identical with the first edition except that 5-pointed stars have been added after certain section headings to indicate that further discussion is to be found in a new Appendix of 31 pp. entitled "Developments in the period 1957/61". These stars should not be confused with the original 8-pointed asterisks used within the text to refer to the footnotes. The bibliography, the list of equipment manufacturers, and the index contain the additional information associated with the new Appendix.

This Appendix is concerned with several recent modifications in testing equipment and techniques at Imperial College, but particularly with investigations into the measurement of pore-air and pore-water pressure in partly saturated soil and the important effects of rate of testing on pore pressures in saturated undrained tests. The testing of partially saturated soils is clearly still in its early stages of development, for example, no attention seems to have been given to the question of non-uniform air pressures within the sample or to the rates of solution and diffusion of air in the pore-water.

This edition is better value for money than the first edition since it is cheaper. The binding is exactly the same and the paper is more serviceable. Those who refrained from buying the earlier edition will be attracted to the second edition.

W.H.W.