PERMISSION TO PHOTOCOPY JOURNAL PAPERS

Permission to photocopy for personal or internal reference beyond the limits in Sections 107 and 108 of the U.S. Copyright Law is granted by the American Society of Civil Engineers for libraries and other users registered with the Copyright Clearance Center, 21 Congress Street, Salem, Mass. 01970, provided the appropriate fee is paid to the CCC for all articles bearing the CCC code. Requests for special permission or bulk copying should be addressed to the Manager of Technical and Professional Publications, American Society of Civil Engineers.

CONTENTS

Laboratory Study of Hydraulic Fracturing by Gary W. Jaworski, James M. Duncan, and H. Bolton Seed 7	713
Hydroconsolidation Potential of Palouse Loess by Gary T. Lobdell	733
Caissons Socketed in Sound Mica Schist by Demetrious C. Koutsoftas	743
Prediction of Movements for Braced Cuts in Clay by Abdulaziz I. Mana and G. Wayne Clough	759
Soil-Steel Structure Response to Live Loads by Baidar Bakht	779
Cemented Sands under Static Loading by G. Wayne Clough, Nicholas Sitar, Robert C. Bachus, and Nader Shafii Rad	799
Stability of Loaded Footings on Reinforced Soil by Joe O. Akinmusuru and Jones A. Akinbolade	819

This Journal is published monthly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price to members is \$16.00. Nonmember subscriptions available; prices obtainable on request. Second-class postage paid at New York, N.Y. and at additional mailing offices. GT.

The Society is not responsible for any statement made or opinion expressed in its publications.

DISCUSSION

Proc. Paper 16281

In Situ Test	by Fla	t Dil	ato	me	ter	, a	b	y	Si	lv	an	10	M	ſa	rc	he	tt	i (M	ar.	٠,	19	80)).					
by John I																													
closure .					•	٠	٠			•											٠				•	٠			832
In-Situ Volu	ıme-Ch	ange	e Pr	ор	er	tie	S	by	y I	Ξl	ect	tre	0-0	Os	m	os	is		Ev	al	ua	ıti	on	ı,ª					
by James K																													
by Ian W	. Johns	ton																			٠	·				÷	•	٠	837
closure .																													

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 3×5 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.

^aDiscussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.