CONTENTS

Papers	Page
REVIEW OF SMALL BASIN RUNOFF PREDICTION METHODS by Stephen V. Allison	1
LAND MODIFICATION FOR EFFICIENT USE OF WATER by Tyler H. Quackenbush	7
HARVARD GULCH FLOOD CONTROL PROJECT by Kenneth R. Wright	15
HYDROLOGIC SIMULATION IN WATER-YIELD ANALYSIS by Leo R. Beard	33
PROPOSED PROJECT FOR A SALINITY PROBLEM AT ABADAN by M. B. Gholizadeh and Albert T. Petersen	43
FREE-AQUIFER GROUND-WATER DEPLETION HYDROGRAPHS by Stanley S. Butler	65
EVALUATING IRRIGATION EFFICIENCY by Marvin E. Jensen	83
EFFECTIVE USE OF UPPER SNAKE RIVER WATER RESOURCES by John W. Frink and Martin K. Fulcher	99
INTEGRATED OPERATION OF RESERVOIRS by Paul H. Berg	113

This Journal is published quarterly by the American Society of Civil Engineers. Publications office is at 2500 South State Street, Ann Arbor, Michigan, 48104. Editorial and General Offices are at 345 East 47th Street, New York, N. Y. 10017. Subscription price is \$6.00 per year with discounts to members and libraries. Second-class postage paid at Ann Arbor, Michigan. IR, WW.

DISCUSSION

Proc. Paper 5136

A SOLUTION OF THE IRRIGATION ADVANCE PROBLEM, by Otto Wilke and Ernest T. Smerdon (Sept., 1965. Prior Discussion: June, 1966). closure	129
STEADY DRAINAGE OF A TWO-LAYERED SOIL, by Gedeon Dagan (Sept., 1965. Prior Discussion: June, 1966). closure	131
IRRIGATION PLANNING USING CLIMATOLOGICAL DATA, by Edward H. Wiser (Dec., 1965. Prior Discussion: Sept., 1966). closure	132
WATER MANAGEMENT ON RICELANDS IN LOUISIANA AND TEXAS, by Lester F. Lawhon and Louis W. Herndon (Dec., 1965. Prior Discussion: Sept., 1966). closure	133
ENGINEERING ASPECTS OF THE RECLAMATION OF SODIC SOILS WITH HIGH-SALT WATERS, by Eugene J. Doering and Ronald C. Reeve (Dec., 1965. Prior Discussion: Sept., 1966). closure.	
IMPLICATIONS OF WATER RIGHTS FOR ENGINEERS, by Robert H. Marquis (March, 1966). errata	134 135
KAWEAH WATER RIGHTS SETTLEMENT BY PURCHASE ^a , by Stanley M. Barnes (March, 1966. Prior Discussion: Dec., 1966). by Harvey O. Banks and Albert C. Bardin	135
SALINITY PROBLEMS AND MANAGEMENT IN RIVER SYSTEMS ^a , by Arthur F. Pillsbury and Harry F. Blaney (March, 1966. Prior Discussion: Sept., Dec., 1966).	
by Lyman S. Willardson by Harvey O. Banks by Stanley S. Butler	137 139 141
NONLINEAR DIFFERENTIAL EQUATION OF DRAIN SPACING ^a , by William T. Moody (June, 1966).	
by Mahdi S. Hantush	143 145 146

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

	Page
REGIONAL DROUGHT FREQUENCY ANALYSIS ^a , by William Whipple, Jr. (June, 1966). by Wright Hiatt	148 149 150
ELIMINATING WATERLOGGING CAUSED BY CANAL SEEPAGE ^a , by Abdel-wahab M. Amer (June, 1966. Prior Discussion: Dec., 1966). by Lodewijk F. Ernst	152
WASTE WATER DISPOSAL: SAN JOAQUIN VALLEY, CALIFORNIA ^a , by Elmo W. Huffman (June, 1966). by Jerald E. Christiansen	155 156 157
EVALUATION OF PIPE ELBOWS AS FLOW METERS ^a , by John A. Replogle, Lloyd E. Myers, and Kenneth J. Brust (Sept., 1966). by James M. Robertson	158
ONE-DIMENSIONAL INFILTRATION INTO HOMOGENEOUS SOIL ^a , by Yu-Si Fok and Vaughn E. Hansen (Sept., 1966). by Jaromír Císler by Jerald E. Christiansen, Roland W. Jeppson, and A. Leon Huber.	162 165

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