

CONTENTS

Papers	Page
AUGMENTING COLORADO RIVER BY WEATHER MODIFICATION by Patrick A. Hurley	363
COMPUTATIONAL SCHEMES FOR THE BOUSSINESQ EQUATION by George Terzidis	381
FUTURE IRRIGATION DEMAND IN THE SUSQUEHANNA BASIN by Howard Miller	391
ROLE OF IRRIGATION IN THE WEST'S EXPANDING ECONOMY by Floyd E. Dominy	401
SURFACE IRRIGATION HYDRAULICS—KINEMATICS by William E. Hart, Day L. Bassett, and Theodor Strelkoff	419
INTERDISTRICT APPORTIONMENT OF FLOOD CONTROL COSTS by Richard R. Dague, E. Robert Baumann, and Paul E. Morgan	441
ENTRY VELOCITY CONTROL LIMITS DRAIN SEDIMENTATION by Lyman S. Willardson, James L. Fouss, Ronald C. Reeve, and Norman R. Fausey	455
RATIONAL "RATIONAL" METHOD OF STORM DRAINAGE DESIGN by Richard A. Rogers	465
SALT PENETRATION TECHNIQUE FOR SEEPAGE MEASUREMENT by Herman Bouwer, and R. C. Rice	481
MODEL STUDY OF BOUNDARY EFFECTS ON DITCH DRAINAGE by Eugene W. Rochester, Jr., and George J. Kriz.	493

(over)

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.

	Page
SUBSURFACE DRAINAGE BY TRANSIENT-FLOW THEORY	
by Lee D. Dumm	505

DISCUSSION
Proc. Paper 6261

ENERGY LOSS AT PIPE JUNCTIONS ^a , by Fred W. Blaisdell and Philip W. Mason (Sept., 1967. Prior Discussion: June, Sept., 1968).	
by U. N. Chindarkar and Subir Kar	523
FLOW EQUATION FOR THE SLUICE GATE, by Nallamuthu Rajaratnam and K. Subramanya (Sept., 1967).	
errata	525
NONSTEADY-STATE DRAINAGE FROM POROUS MEDIA, by Marvin E. Jensen and R. John Hanks (Sept., 1967).	
errata	525
RECTANGULAR CUTTHROAT FLOW MEASURING FLUMES ^a , by Gaylord V. Skogerboe and M. Leon Hyatt (Dec., 1967. Prior Discussion: Sept., 1968).	
by Frederic T. Mavis	527
by August R. Robinson	529
SEALING SANDS WITH WATERBORNE BENTONITE ^a , by Myron B. Rollins (Dec., 1967).	
by Richard J. Willson and Chester W. Jones	531
WEATHER MODIFICATION IN THE SOUTHERN SIERRAS ^a , by Robert D. Elliott and William A. Lang (Dec., 1967. Prior Discussion: June, 1968).	
by Richard A. Schleusener	532
CLIMATE AND THE EVAPORATION FROM CROPS ^a , by Edward T. Linacre, (Dec., 1967).	
by C. H. M. van Bavel	533
by Jerald E. Christiansen	535
by A. P. Bhattacharya	536
WATER INFILTRATION IN HAWAIIAN SUGARCANE FURROWS ^a , by Harlan G. Collins and Robert B. Campbell (Dec., 1967).	
by Yu-Si Fok	537

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