Journal of the

IRRIGATION AND DRAINAGE DIVISION

Proceedings of the American Society of Civil Engineers

IRRIGATION AND DRAINAGE DIVISION EXECUTIVE COMMITTEE Herbert E. Prater, Chairman; Paul H. Berg, Vice Chairman; William W. Donnan; Harold A. Scott; Carl R. Wilder, Secretary Leland J. Walker, Board Contact Member

COMMITTEE ON PUBLICATIONS Calvin C. Warnick, Chairman; Charles L. Barker; Harry F. Blaney, Sr.; Sol D. Resnick Paul H. Berg, Executive Committee Contact Member

CONTENTS

December, 1962

Papers

Compacted Loessial-Soil Canal Linings by Chester W. Jones and C. A. Lowitz	1
Limitations of Metergates by James W. Ball	23
Plastic-Lined Mole Drains for Irrigated Areas by William W. Donnan and V. S. Aronovici	39

Copyright 1962 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1962-43 Newsletter of the Irrigation and Drainage Division.

The three preceding issues of this Journal are dated March 1962, June 1962, and September 1962.

DISCUSSION

	Page
Aqueduct Capacity Under an Optimum Benefit Policy, by Warren A. Hall. (September, 1961. Prior discussion: June, 1962. Discussion closed.) by Warren A. Hall (closure)	45
Consumptive Use and Water Waste by Phreatophytes, by Harry F. Blaney. (September, 1961. Prior discussion: March, June, 1962. Discussion closed. by Harry F. Blaney (closure)	49
Soil Drainability Factor in Land Classification, by Claude L. Fly. (September, 1961. Prior discussion: March, 1962. Discussion closed.) by Claude L. Fly (closure)	51
Evaporation from Pyramid and Winnemucca Lakes, Nevada, by S. Harding. (March, 1962. Prior discussion: June, September, 1962. Discussion closed.) by Nicholas L. Rosner	53
Critical Flow in Terms of Hydraulic Equivalents, by Francis S. Y. Lee. (June, 1962. Prior discussion: None. Discussion closed.) by N. Rajaratnam	55 58
Ground-Water Technology and Litigation Problems, by Edward D. Jenkins and Edward A. Moulder. (June, 1962. Prior discussion: None. Discussion closed.) by Wayne D. Criddle and Dallin Jensen	61 63
Evaporation at High Elevations in California, by Leonard L. Longacre and Harry F. Blaney. (June, 1962. Prior discussion: None. Discussion closed.) by Kenneth M. Turner by J. E. Christiansen	65 65
Utilization of Water and Irrigation in Israel, by Harry F. Blaney. (June, 1962. Prior discussion: None. Discussion closed.) by N. Buras	69 69
Mechanics of Evapo-Transpiration, by David W. Hendricks and Vaughn E. Hansen. (June, 1962. Prior discussion: None. Discussion closed.) by Arthur T. Corey	71