
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.;
Stanley S. Butler; Eldred R. Harrington; Sol D. Resnick; Daryl B. Simons;
Paul H. Berg, Executive Committee Contact Member

CONTENTS

March, 1963

Papers

	Page
Subsurface Water Distribution in Surface Irrigation by Ernest T. Smerdon	1
Seepage Meters in Seepage and Recharge Studies by Herman Bouwer and R. C. Rice	17
Unique Consumptive Use Curve Related to Irrigation Practice by Vaughn E. Hansen	43
Mechanics of a Mathematical Ground-Water Model by Frank J. Trelease and Morton W. Bittinger	51
(over)	

Copyright 1963 by the American Society of Civil Engineers

Note.—Part 2 of this Journal is the 1963-13 Newsletter of the Irrigation and Drainage Division.

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

DISCUSSION

	Page
Friant-San Joaquin River Litigation, by Charles H. Lee. (December, 1961. Prior discussion: June, September, 1962. Discussion closed.) by Charles H. Lee (closure)	65
Critical Flow in Terms of Hydraulic Equivalents, by Francis S. Y. Lee. (June, 1962. Prior discussion: December, 1962. Discussion closed.) by Ralph W. Powell	69