Journal of the

SANITARY ENGINEERING DIVISION

Proceedings of the American Society of Civil Engineers

SANITARY ENGINEERING DIVISION EXECUTIVE COMMITTEE Robert E. Stiemke, Chairman; John B. Nesbitt, Vice Chairman; William W. Aultman; Dwight F. Metzler; John R. Thoman, Secretary; Samuel I. Zack, Board Contact Member

COMMITTEE ON PUBLICATIONS Roy E. Ramseier, Chairman; William A. Cawley; Ernest Gloyna; Raymond C. Loehr; James M. Symons; John R. Thoman, Executive Committee Contact Member

CONTENTS

August, 1964

Papers

Page

heory of Water Filtration	
by Thomas R. Camp	1
Population Forecasting by Sanitary Engineers by Frederick E. McJunkin	31
Application of Acoustics in Air Pollution Problems by Joseph C. F. Chow	59

Copyright 1964 by the American Society of Civil Engineers.

Note.—Part 2 of this Journal is the 1964-36 Newsletter of the Sanitary Engineering Division.

The three preceding issues of this Journal are dated February, 1964, April, 1964, and June, 1964.

DISCUSSION

Oxygen Relationships in the Sacramento River, by Charles G. Gunnerson and T. E. Bailey. (August, 1963. Prior discussion: February, April, 1964. Discussion closed.) by Charles G. Gunnerson and Thomas E. Bailey (closure)	79
Annual Variation of Stream Water Temperature, by J. C. Ward. (December, 1963. Prior discussion: None. Discussion closed.)	
by David W. Duttweiler	87 90
George W. Whetstone	92 97
Metropolitan Drainage Planning in Los Angeles County, by M. E. Salsbury. (December, 1963. Prior discussion: None. Discussion closed.) by Donald Van Sickle	101
Air Resources Engineering, by the Research Council on Air Resources Engineering. (February, 1964. Prior discussion: None. Discussion closed.) by Herbert C. McKee	103
 Analysis of Sewage Treatment Systems by Simulation, by M. Mead Montgomery and Walter R. Lynn. (February, 1964. Prior discussion: None. Discussion closed.) by Myron B. Fiering. 	105
 Kinetics of Aerobic Removal of Organic Wastes, by K. Keshavan, V. C. Behn, and W. F. Ames. (February, 1964. Prior discussion: None. Discussion closed.) by Elisabeth Stumm-Zollinger, Paul L. Busch, 	
and Werner Stumm	107