# Journal of the

## SANITARY ENGINEERING DIVISION

### Proceedings of the American Society of Civil Engineers

#### SANITARY ENGINEERING DIVISION EXECUTIVE COMMITTEE

Lewis A. Young, Chairman; John J. Baffa, Vice Chairman; Ray E. Lawrence; H. Loren Thompson; David H. Howells, Secretary

### COMMITTEE ON PUBLICATIONS John B. Nesbitt, Chairman

#### CONTENTS

May, 1960

#### Papers

Page

Design Principles for Underground Salt Cavities by Shosei Serata and Earnest Gloyna	1
Regional Planning in Cuyahoga County, Ohio by Alfred A. Estrada	23
Oxygen Balance of an Estuary by Donald J. O'Connor	35
Behavior of Suspensions by A. W. Bond	57
Sanitary Engineering Aspects of Nuclear Energy Progress Report of the Committee on the Sanitary Engineering Aspects of Nuclear Energy of the Sanitary Engineering Division	87
Design and Cost Considerations in High Rate Sludge Digestion by Alfred A. Estrada	111
Waste Treatment at the Shippingport Reactor by J. R. LaPointe, W. J. Hahn, and E. D. Harward, Jr	129
Discussion	149

Copyright 1960 by the American Society of Civil Engineers.