

CONTENTS

Papers	Page
"BALAS" ALGORITHM FOR ZONED UNIFORM TREATMENT by Jon C. Liebman and David H. Marks	585
VIRAL POLLUTION OF SHELLFISH IN ESTUARY WATERS by T. G. Metcalf and W. C. Stiles	595
ANALYZING STEAM ELECTRIC POWER PLANT DISCHARGES by John Eric Edinger and John C. Geyer	611
WATER CONSERVATION BY RECLAMATION AND RECHARGE by John H. Peters and John L. Rose	625
COLIFORM-FECAL COLIFORM BACTERIA IN TIDAL WATERS by Gerald A. Strobel	641
COMPUTER MODELS FOR RESERVOIR REGULATION by Daniel P. Loucks	657
DEFINED VELOCITY GRADIENT MODEL FLOCCULATOR by Francois A. van Duuren	671
BIOLOGICAL EFFECTS OF SPOIL DISPOSAL IN CHESAPEAKE BAY by David A. Flemer, William L. Dovel, Hayes T. Pfitzenmeyer and Douglas E. Ritchie, Jr.	683
OPERATION ANALYSIS OF COLOMBIAN WATER TREATMENT PLANTS by Lauro Arturo	707

(over)

This Journal is published bimonthly 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 \$8.00 per year with discounts to members and libraries. Second-class postage paid at Ann Arbor, Michigan. EM, HY, SA, SM.

 DISCUSSION

 Proc. Paper 6049

SETTLING OF ACTIVATED SLUDGE IN HORIZONTAL TANKS, by Claes N. H. Fischerström, Erik Isgård, and I. Larsen (June, 1967. Prior Discussion: Dec., 1967). closure	727
DISTRIBUTION OF PESTICIDES IN CALIFORNIA ^a , by Thomas E. Bailey and John R. Hannum (Oct., 1967. Prior Discussion: Apr., June, 1968). by Thomas A. Tambllyn and Louis A. Beck	728
FIELD TESTS ON CHLORINATION OF POLIOVIRUS IN SEWAGE ^a , by Thomas Read Warriner (Oct., 1967). by Otis J. Sproul and Thomas L. Lothrop	733
LONGITUDINAL MIXING IN NATURAL STREAMS ^a , by Edward L. Thackston and Peter A. Krenkel (Oct., 1967). Prior Discussion: June, 1968). by William W. Sayre	734
STREAMFLOW AND QUALITY IN THE COLUMBIA RIVER BASIN ^a , by Charles G. Gunnerson (Dec., 1967). by H. C. Riggs	738
TWO-DIMENSIONAL DISPERSION ^a , by John C. Bruch and Robert L. Street (Dec., 1967). by Don L. Warner	739
SPECIFYING AND EVALUATING AERATION EQUIPMENT ^a , by Henry H. Benjes and Ross E. McKinney (Dec., 1967). by Robert T. Keegan and A. W. Busch by Fred C. Hart and Robert J. Sherwood by Raymond C. Loehr	740 742 744
MEASUREMENT AND DETECTION OF EUTROPHICATION ^a , by Thomas E. Bailey (Dec., 1967). by Harold Chadwick, David Juliano, Charles Seeley, and William Silvey	747
MANAGEMENT AND MEASUREMENT OF DO IN IMPOUND- MENTS ^a , by James A. Symons, William H. Irwin, Robert M. Clark, and Gordon G. Robeck (Dec., 1967). by Edward L. Thackston	748

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

	Page
FLOW IN SLUDGE-BLANKET CLARIFIERS ^a , by Igor Tesařík (Dec., 1967. Prior Discussion: June, 1968).	
by Ahmad Nawaz Cheema	752
by Josef Vostrčil	754
by Kenneth J. Ives	757
ENGINEERING-GEOLOGIC STUDIES FOR SEWER PROJECTS ^a , by David M. Greer and Douglas C. Moorhouse (Feb., 1968).	
by Paul F. Keim	760
DISPERSION CONDUITS ^a , by Thomas R. Camp and S. David Graber (Feb., 1968).	
by Chester J. Ordon	762
FOUNDATION PROBLEMS IN SANITARY LANDFILLS ^a , by George F. Sowers (Feb., 1968).	
by A. A. Fungaroli and R. L. Steiner	764
FILTER BACKWASHING TESTS AND UPFLOW EQUILIZATION ^a , by A. Adler Hirsch (Feb., 1968).	
by John L. Cleasby	766

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