

CONTENTS

Papers	Page
WASTE HEAT DISPOSAL FROM GENERATING STATIONS by F. Stewart Brown	277
CONTROL OF THERMAL EFFECTS AT BEAVER VALLEY STATION by Robert J. McAllister, Lawrence C. Neale, and Bruno Brodfeld	287
BARGE-COAL HANDLING AT A. S. KING GENERATING PLANT by Arthur V. Dienhart and Norris R. Fitch	299
BASIC STRUCTURAL DESIGN OF CONCRETE CHIMNEYS by Wadi S. Rumman	309
RIVER DIVERSION FOR BOUNDARY DAM by Adolf A. Schilling	319
PORTAGE MOUNTAIN INTAKE STRUCTURE AND FACILITIES by H. Edward Howe	331
DIVERSION AT PORTAGE MOUNTAIN PROJECT by Harold K. Pratt	349
ENVIRONMENTAL CONSIDERATIONS IN DESIGN OF TRANS- MISSION LINES by Harry Brenman and Dwight A. Covington	369
DESIGN OF CARTERS PUMPED STORAGE PROJECT by Walter W. Burdin	383
POST-TENSIONED CONCRETE NUCLEAR STRUCTURES by Glen A. Chauvin, Robert J. Small, and Adolf Walser	401

(over)

This Journal is published aperiodically by the American Society of Civil Engineers. Publications office is at 2500 South State Street, Ann Arbor, Michigan 48104. Address all ASCE correspondence to the Editorial and General Offices at 345 East 47th Street, New York, N.Y. 10017. Allow six weeks for change of address to become effective. Subscription price is \$6.00 per year with discounts to members and libraries. CO, UP, PO, PP, SU.

	Page
ROCK PROPERTIES AND STEEL TUNNEL LINERS	
by George H. Kruse	415
DESIGN OF BROWNS FERRY CHIMNEY	
by John W. Smith and Asgeir Jonsson	437
CONCRETE CHIMNEY DESIGN, CONSTRUCTION AND OPERATION	
by Philip G. Sikes	449
MODELING SPREAD OF HEATED WATER OVER LAKE	
by Heinz Stefan	469

DISCUSSION

Proc. Paper 7312

PRESTRESSED CONCRETE TRANSMISSION LINE STRUC- TURES, Fred Ruckhaus (May, 1968. Prior Discussion: Oct., 1969).	
closure	485
NORTHFIELD MOUNTAIN PUMPED STORAGE PROJECT, S. Hale Lull and Antonio Ferreira (Nov., 1968. Prior Discussion: Oct., 1969).	
closure	485
WIND INFLUENCE UPON COOLING WATER CIRCULATION, G. Abraham and R. Koudstaal (Mar., 1969).	
errata	486
ANALYSIS AND DESIGN OF TOWER FOUNDATIONS, ^a by Richard L. Wiggins (Mar., 1969).	
by Frank C. Hartzell, Jr. and Cetin A. Okcuoglu	486
TOLERABLE SETTLEMENTS OF STEAM TURBINE- GENERATORS, ^a by J. Ronald Salley and Ralph B. Peck (Oct., 1969).	
by K. Ludwig	488
GROUTED TENDONS FOR NUCLEAR CONTAINMENT, ^a by Gunnar A. Harstead and E. Richard Kummerle (Oct., 1969).	
by Chen Pang Tan	490

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