
Journal of the
STRUCTURAL DIVISION
Proceedings of the American Society of Civil Engineers

STRUCTURAL DIVISION
EXECUTIVE COMMITTEE

George S. Vincent, Chairman; Elmer K. Timby, Vice-Chairman;
Robert D. Dewell; Emerson J. Ruble; Charles T. G. Looney, Secretary

COMMITTEE ON PUBLICATIONS

Henry G. Schlitt, Chairman; Mace H. Bell; Gerald F. Borrmann;
Edwin S. Elcock; Kurt H. Gerstle; John E. Goldberg; Wayne C. Lewis;
Alfred L. Parme; Philip A. Upp; Halstead N. Wilcox

CONTENTS

May, 1959

Papers

	Page
Effects of Research on Modern American Structural Concrete Design	
by Eivind Hognestad	1
Design Table for Steel Columns with Eccentric Loads	
by R. H. Bigelow	11
Load Distribution of Diaphragms in I-Beam Bridges	
by Benjamin C. F. Wei	17
Analysis of Two-Column Symmetrical Bents	
by B. R. Cooke	57
Discussion.	69