

---

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  
Alfred L. Parme; Philip A. Upp;  
Halstead N. Wilcox

CONTENTS

January, 1959

Papers

	Page
Strength of Reinforced Concrete Beams by Sidney A. Guralnick . . . . .	1
Elastic Resistance of Reinforced Concrete Beams by G. R. Swihart, J. R. Allgood and W. A. Shaw . . . . .	43
Design of Pitched and Curved Timber Diaphragms by Henry J. Degenkolb. . . . .	65
Timber Bridges on the Railways by C. V. Lund . . . . .	77
Timber Fastenings by Ralph G. Gloss. . . . .	87
On the Solution of Rigid Frames by the Column Analogy by Thomas D. Y. Fok and Tung Au. . . . .	103
Load Considerations for Beams by F. P. Drew . . . . .	113
Discussion . . . . .	123