CONTENTS

Papers	Page
CONCRETE ARCH CULVERT BEHAVIOR—PHASE 2 by Raymond Eugene Davis and Alfred E. Bacher	2329
APPROXIMATE INELASTIC ANALYSIS OF SHEAR WALL- FRAME STRUCTURES by James G. MacGregor, Sauren N. Guha Majumdar, Rajendra P. Nikhed, and Peter F. Adams	2351
PROBABILISTIC RESPONSE OF NONLINEAR BUILDINGS DURING EARTHQUAKES by Alain H. Peyrot	2363
PLASTIC SANDWICH BUCKLE-SHELL STRUCTURES by V. James Meyers, Dhamo T. Ramani, and Mark E. Greenwood	2381
NONLINEAR ELASTIC TRUSS ANALYSIS BY PARTITIONING by N. M. Singaraj and Jawalker K. Sridhar Rao	2399
STRUCTURE-FOUNDATION INTERACTION ANALYSIS by Ian K. Lee and Peter T. Brown	2413
STATIC ANALYSIS OF SUSPENSION BRIDGES by Alan Jennings and John E. Mairs	2433
FAILURES OF STRUCTURES DUE TO EXTREME WINDS by Joseph E. Minor, Kishor C. Mehta, and James R. McDonald	2455
(over)	

This Journal is published monthly by the American Society of Civil Engineers. Publications office is at 345 East 47th Street, New York, N.Y. 10017. 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 \$20.00 per year with discounts to members and libraries. Second-class postage paid at New York, N.Y. and at additional mailing offices. ST.

The Society is not responsible for any statement made or opinion expressed in its publications.

	Page
SHEAR STRENGTH OF LARGE BEAMS by Howard P. J. Taylor	2473
RAPID DESIGN OF ORTHOTROPIC BRIDGE FLOOR BEAMS by Peter G. Perry and Conrad P. Heins, Jr	2491
BUCKLING OF STEEL ANGLE AND TEE STRUTS by John B. Kennedy and Madugula K. S. Murty	2507
EARTHQUAKE RESISTANT DESIGN OF UNBRACED FRAMES by James C. Anderson and Raj P. Gupta	2523
DOUBLE OVERLAP BEAM by Oliver A. Baer	2541
BUCKLING OF INELASTIC I-BEAMS UNDER UNIFORM MOMENT	0551
by Nicholas S. Trahair and Sritawat S. Kitipornchai	2551
LARGE DEFLECTION OF ELASTIC PLATES UNDER PATCH	
LOADING by Bijan Aalami	2567
STIFFNESS OF REINFORCED CONCRETE PLATES by Alex E. Cardenas, Rolf J. Lenschow and Mete A. Sozen	2587
ANALYSIS OF THIN-STEEL HYPERBOLIC PARABOLOID SHELLS by Prabodh V. Banavalkar and Peter Gergely	2605
DISCUSSION	
Proc. Paper 9307	
SPACED STEEL COLUMNS, by Bruce G. Johnston (May, 1971. Prior Discussion: Feb., 1972).	
closure	2625
COLLAPSE LOAD ANALYSIS USING LINEAR PROGRAMMING, a by Donald E. Grierson and Graham M. L. Gladwell (May, 1971. Prior Discussions: Nov., 1971, Jan., Feb., 1972).	
by Egor P. Popov and James L. Tocher	2626
PLASTIC ANALYSIS OF TRANSVERSELY LOADED FRAMES, by Neil Jackson (Aug., 1971. Prior Discussion: Apr., 1972).	
closure	2627
FRAMED-TUBE STRUCTURES FOR HIGH-RISE BUILDINGS, by Alexander Coull and Nutan Kumar Subedi (Aug., 1971. Prior Discussion: Apr., 1972).	
closure	2628

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

	Page
ALTERNATIVE APPROACH TO LIGHT-GAGE BEAM DESIGN, by James Rhodes and James M. Harvey (Aug., 1971, Prior Discussions: May, June, 1972).	2629
PLASTIC LINERS FOR CANDU CONTAINMENT STRUCTURES, by Eric C. Smith (Oct., 1971, Prior Discussions: May, 1972). closure	2630
RESPONSE OF TRIANGULAR PRISMS IN TURBULENT WIND, by Peter W. Chen, Alan G. Davenport, Nicholas Isyumov, and Leslie E. Robertson (Nov., 1971. Prior Discussion: Mar., 1972).	0.001
closure	26312632
MAIN CABLES OF NEWPORT SUSPENSION BRIDGE, by Blair Birdsall (Dec., 1971). by Tadeusz Janiszewski	2635 2637
TECHNICAL NOTE Proc. Paper 9374	
ELASTIC BUCKLING OF STIFFENED PLATES by Charles Culver and Clive Dym	2641

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