

COMMITTEE ON COMPRESSION AND FLEXURAL MEMBERS

MEETING SUNDAY, April 18 2:30-8:30pm

Members present: Abbas Aminmansour Joseph Ales
 Karl Barth Todd Helwig
 Nestor Iwankiw Chuck Salmon
 Donald White Ronald Ziemian

Guests: Christopher Earls Michael Stallings

Called to Order: The meeting was called to order by Chairman Helwig and members present adopted the meeting agenda.

Introduction of Members: Members and guests present introduced themselves.

Review of Committee Membership:

The committee membership was reviewed. Professor Chris Earls requested membership in the committee. A copy of his CV was obtained and submitted for membership approval. A current membership list has been attached to this report.

Presentations and Discussion of Ongoing Research:

Two technical presentations were given during the committee meeting. Professor C. Earls gave a presentation on inelastic buckling of single angle members and Professor A. Aminmansour gave a presentation on proposed design aids for beam column design. Ongoing research was also discussed by several of the committee members.

Technical Discussions

The committee had discussions on a number of technical issues and ongoing research including:

- a. computational modeling of inelastic buckling problems;
- b. design methodologies and aids for beam-columns;
- c. bracing requirements for trapezoidal box girders and skewed I-girders;

Nominations for Shortridge Hardesty Award: The description for the award was read which states that the award “shall be based on either a paper published in the ASCE Structural Engineering Journal or the Proceedings of the Structural Stability Research Council or upon any other effective contribution in the form of personal efforts and achievements”. The award in the past has been given based on lifetime achievement, and the committee agreed to use this same criterion this year. Several potential nominations were discussed, and a unanimous selection was made. Helwig obtained the biographical material and submitted the nomination to the Chairman of the Committee on Metals (Professor Don White) who will forward the nomination to the Structural Division Committee on Awards.

Discussion of the Status of the Structural Stability Research Council:

Nestor Iwankiw had recently attended a meeting of the SSRC Executive Committee and gave a report on the status of SSRC. SSRC Headquarters has moved from Lehigh University to the University of Florida. The transition of the move of headquarters went smoothly. Due to the move the 1999 annual meeting that was originally scheduled for October was postponed until July 24-26, 2000 in Memphis, Tennessee.

Technical Sessions for the Structures Congress**Sessions at 1999 Structures Congress in New Orleans:**

The committee organized two sessions at the New Orleans Congress:

- “Horizontally-Curved Steel Bridges” organized by Abdul Zureick
- “Inelastic Analysis of Building Structural Systems” organized by Sherif El-Tawil and Don White. Joint sponsorship with Committee on Analysis and Computation, Committee on Composite Construction, and Committee on Compression and Flexural Members.

Sessions for 2001 Structures Congress in Washington D. C.:

Two sessions were proposed by the committee:

- “Bracing Requirements for Diaphragms and Cross-Frames” – To be organized by Professors K. Barth and C. Earls. Four papers will be presented. Tentative speakers include: Professors D. Mertz, M. Stallings, T. Helwig, and J Yura. This session will be jointly sponsored with the ASCE Committee on Steel Bridges.
- “Buckling of Unsymmetric Members” – To be organized by Professor A. Aminmansour. Tentative speakers include: Mr. Bill Baker, Professors T. Galambos, and C. Earls. This session will be jointly sponsored with the ASCE Committee on Load and Resistance Factor Design.

Next Meeting: The next meeting will be held at the 2000 Structures Congress in Philadelphia. Members will be contacted in January 2000 to ensure adequate attendance.

Adjournment: The meeting was adjourned at 7:00 PM.