

## New Metric Welding Code Available From AWS

The American Welding Society, in conjunction with AASHTO, has published the 1996 edition of the *D1.5 Bridge Welding Code* with all measurements in metric units. (The code does not apply to base metals less than 3 mm thick, instead use AWS D1.3 Structural Welding Code—Sheet Metal.)

The Bridge Welding Code covers the welding requirements for AASHTO welded highway bridges made from carbon and low-alloy construction steels. Two important provisions in the 250-page 1996 edition are "Fracture Control Plan for Nonredundant Bridge Members," which reflects the newest AASHTO provisions, and the new NDT requirements for various types of loading and welded joints. In addition, recommended forms for Welding Procedure Specifications and Procedure Qualification Requirements are included.

Copies of the Code cost \$105 (\$70 for AWS and AASHTO members). Contact AWS, 550 N.W. LeJeune Road, Miami, FL 33126 ph: 305/443-9353; fax: 305/443-7559.

## Welding Code Interpretations

A collection of responses to formal inquiries about the requirements of D1.1 from 1976 to 1994 is available in *The Official Book of D1.1 Interpretations* from AWS. The interpretations are the results of balloted answers from the AWS Structural Welding Committee and are listed by year of the *D1 Structural Welding Code* as well as indexed by subject of inquiry and Code provisions.

"D1 is a specification, so

it doesn't present background material or discuss the committee's intent," notes compiler Lee Kvidahl, AWS President 1993-94. "While official interpretations are published periodically in the *Welding Journal*, this "Official Book" gathers them all together in a close at hand way."

The 32-page, three-ring binder is available for \$21 (\$14 for AWS members). To order, call 800/334-9353 or 305/443-9353.

## SJI Offers New Joist Load & Weight Tables



The new Steel Joist Institute's 40th Edition of *Specifications, Load Tables and Weight Tables* offers the first significant changes since the introduction of the K series joist.

- Foremost is the inclusion of Specifications and Load Tables for the all-new KCS Joist, a versatile joist useful in special design considerations requiring a joist for supporting non-uniform loads, concentrated loads, or combinations thereof.
- A four-page section on Fire Resistance Ratings.
- Requirements for safe erection of steel joists.
- Metric units.
- A one-page method (with example) for converting the Load Tables for use with LRFD.

Copies of the 96-page Specification are available for \$20 (\$30 outside the U.S.) from the Steel Joist Institute, Suite A, 1205 48th

Ave. North, Myrtle Beach, SC 29577 ph: 803/449-0487.

## 60-Year Steel Joist Manual

A compilation of *Specifications and Load Tables* from 1928 through 1988 is now available from the Steel Joist Institute.

Copies of 318-page *60-Year Joist Manual* are available for \$59 (\$69 outside the U.S.), including shipping and handling from the Steel Joist Institute, Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577 ph: 803/449-0487.

## ASCE Relocates to Reston, VA

The American Society of Civil Engineers has relocated its headquarters from New York City to the Washington, DC, area. ASCE's new offices are located at 1801 Alexander Bell Dr., Reston, VA 20191-4400 ph: 800/548-ASCE; ph: 703/295-6000; fax: 703/295-6222.

## Call for Papers: World Conference on Steel

Abstracts of 150 words or less are requested for the Second World Conference on Constructional Steel Design, to be held May 11-13, 1998 in San Sebastian, Spain. Topics include: development of new steel products; new design concepts and applications; cost reductions, including steel in conjunction with other materials; the benefits of standardization; the implications of new methods of procurement; improvements in codes and standards; significant and relevant research; fire resistance and durability; environmental aspects and credibility; and education and training.

Abstracts should be submitted by December 31, 1996 to: Christine Roszykiewicz, World Steel Conference Secretariat, The Steel Construction Institute, Silwood Park, Ascot, Berkshire, SL5 7QN, UK ph: 44 1344 23345; fax: 44 1344 22944; email sci@cityscape.co.uk

## Calendar

- **SSPC 96 Peer Forums**  
November 18  
Charlotte, NC  
Peer forums bring together facility owners from seven major industries, in addition to contractors, to discuss common successes and failures in the coatings industry. Industries represented include: chemical/petrochemical; departments of transportation/bridges; pulp & paper; power; marine & offshore; food, beverage & pharmaceutical; and waste & waste water.  
**Contact:** Phil Cynar at SSPC, ph: 412/281-2331 ext. 121.
- **Heavy Steel Fabrication**  
November 18-20, 1996  
New Orleans  
Topics include both cutting and welding of heavy plate.  
**Contact:** Fabricators and Manufacturers Association International at 815/399-8775.
- **Practical Solutions for Bridge Strengthening and Rehabilitation**  
March 24-25, 1997  
Kansas City, MO  
Symposium will emphasize new and proven techniques of retrofitting, strengthening and rehabilitation of railway and highway bridges.  
**Contact:** F.W. Klaiber, 424 Town Engineering Building, Iowa State University, Ames, IA 50011 ph: 515/294-8763, email: klaiber@iastate.edu

## AISC UNVEILS TWO AWARDS PROGRAMS

AISC will present two award programs, one for architects and one for engineers, in 1997.

### Engineering Awards

Presented for the first time are the Engineering Awards of Excellence, which are designed to give national recognition to structural engineering excellence and innovation in steel-framed building design.

"Most of AISC's awards are given for research-related activities. This is the first time in a long time that we're recognizing engineering excellence in a built project, regardless of size," explained Andy Johnson, AISC's Vice President of Marketing.

To be eligible, a significant part of the building frame must be of steel wide-flange structural shapes or hollow structural sections. Also, the building must have been completed between Jan. 1, 1995 and Dec. 31, 1996. Two awards, one for projects up to \$10 million and one for projects greater than \$10 million, will be presented in each of three regions: east; central; and west.

The regional award winners will then be eligible for the national award, which includes a cash award of \$3,000. There is no entry fee for the Engineering Awards of Excellence.

"By recognizing projects in three regions, and both large and small projects, we hope to uncover pockets of innovation that might otherwise have gone unnoticed," Johnson added.

The projects will be judged in the following criteria:

- Creativity in response to the owner's and architect's building program;



AISC's engineering and architectural awards are designed to recognize significant achievement in both large and small buildings. In the 1990 Architectural Awards of Excellence program, prize winners ranged from Murphy/Jahn's One Liberty Place in Philadelphia (shown at left) to The Mathes Group's Electro-Coal Transfer Corporation office building in Davant, LA, which was built for less than \$1 million (above). Other winners in 1990 included a subway entrance, a museum, a race track, a natatorium and a large office building.

- Application of new design technology in the area of connections, gravity systems and lateral load resisting systems;
- Structural efficiency;
- Significance of engineering achievement.

Judges for the competition include: Louis Geshwinder from Penn State University; Eli Cohen from TT/CBM; Dave McKenzie from Havens Steel; and Jack Peterson from Martin/Martin; and Jim Notch from Notch + Associates.

The awards will be presented at the National Steel Construction Conference in May. Stories on the winning projects will appear in the April 1997 issue of *MSC*.

For more information, see pages 38-39 of this issue.

### Architectural Awards

In the past, AISC's Architectural Awards of Excellence program has honored such massive pro-

jects as Helmut Jahn's One Liberty Place in Philadelphia as well as smaller projects such as the \$1 million Electro-Coal Transfer Corporation office building in Davant, LA, designed by The Mathes Group.

This year, the program, which honors projects where steel is a prominent architectural feature, has been modified and is co-sponsored by the American Institute of Architects. The program will present two awards, one for projects up to \$5 million and one for projects greater than \$5 million, in each of three regions: east; central; and west. Again, the regional award winners will be eligible for the national award.

To be eligible, buildings must have been occupied after January 1, 1995.

The projects will be judged in the following criteria:

- Creative use of exposed structural steel in the architectural design;
- Overall aesthetic and visual impact of the pro-

ject;

- Design resolution demonstrating exemplary sensitivity in the resolution of formal, functional and technical requirements as outlined in the project description;
- Technical advancement in the use of structural steel in the architectural expression;
- Creativity and sensitivity in the combination of structural steel elements with other materials.

The awards will be presented at the AIA Convention in May 1997 and winners will be featured in the June issue of *MSC*.

There is an entry fee of \$95 for the AAE awards. For information on the program, see page 46-47 of this issue.

"This is the rebirth of the Architectural Awards program," Johnson said. "In its new form, we're joining hands with the American Institute of Architects to recognize outstanding projects where structural steel is an important part of the architectural design."