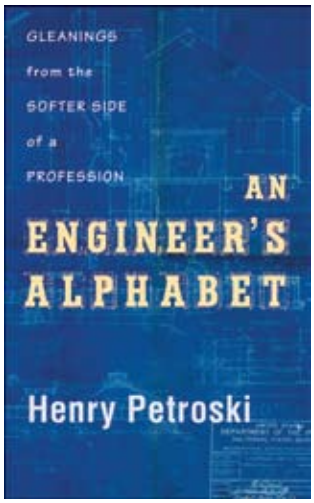
PUBLICATIONS

An Engineer's Alphabet



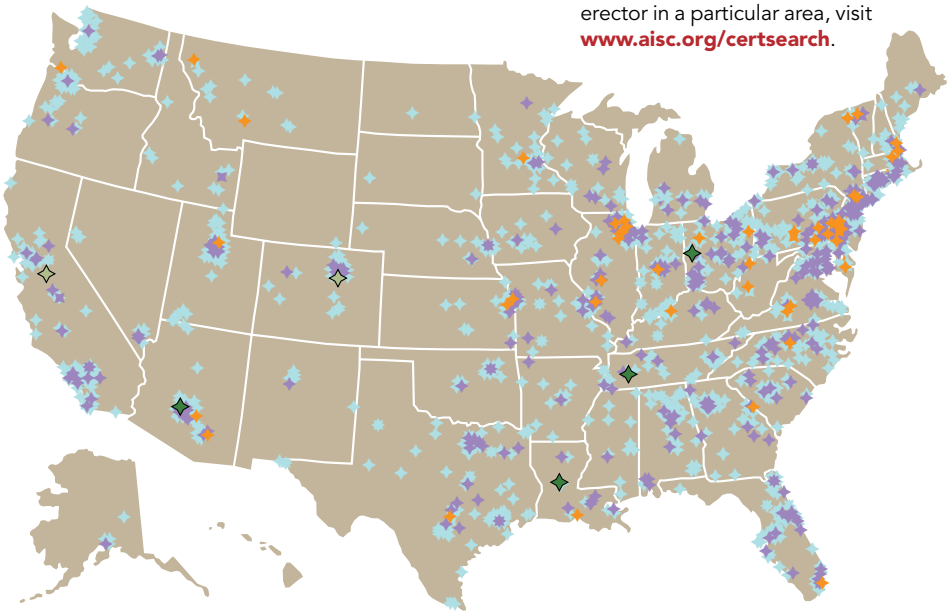
Engineers are known to be masters of technical rigor, but according to engineering historian and author Henry Petroski, they cannot easily be leaders beyond this sphere without also having a sense of their own profession's culture and traditions. His latest book, *An Engineer's Alphabet: Gleanings from the Softer Side of a Profession*, calls attention to the importance of putting the quantitative engineer in touch with qualitative language and thought, emphasizing the importance of both sides of the brain to creative engineering.

In this abecedarian tome, Petroski presents a collection of anecdotes and factual entries covering various topics and concepts related to the practice and history of the engineering profession. Sample pages and the index from *An Engineer's Alphabet* are available on amazon.com at **http://amzn.to/yNpTqC**.

If you're unfamiliar with Petroski, you can learn more about his industry accomplishments and the dozen other books he has written on Wikipedia at **http://amzn.to/x0Z7RZ**.

Newly Certified Facilities: January 1–31, 2012

To find a certified fabricator or erector in a particular area, visit **www.aisc.org/certsearch**.



Existing Certified Fabricator Facilities
Existing Certified Erector Facilities
Existing Certified Bridge Component Facilities
Newly Certified Fabricator Facilities
Newly Certified Erector Facilities

Newly Certified Fabricator Facilities
Albert Freytag Inc., Minster, Ohio
Hayes Manufacturing Company, Pineville, La.
Southwest Steel LLC, Arizona Plant, El Mirage, Ariz.
Steel Fab, Inc., Jackson, Tenn.

Newly Certified Erector Facilities
Superior Steel Connectors Corporation, Sedalia, Colo.
Tilbury Constructors, Inc., Escalon, Calif.

People and Firms

- Executive vice president **Stephen Isaacson** is overseeing the new sales and management office opened by **Schuff Steel Company** in Murray Hill, N.J., in December. Isaacson has been in the steel construction industry in the New York area for more than 35 years. Phoenix-based Schuff Steel, which is a subsidiary of Schuff International, Inc., plans to self-perform erection services in the New York City market, while providing fabricated steel from its existing facilities in the Midwest and Southeast regions. More information is available in the press release on the Schuff Steel website at **http://bit.ly/ze0TZh**.
- Chicago-based **Teng & Associates, Inc.**, which provides architectural, engineering, technology integration, program and construction management services, has changed its name to **exp**. The name change is intended to better align the firm with its parent company, **exp Global Inc.**
- International engineering firm **Thornton Tomasetti** recently opened a new office in lower downtown Denver. Senior principal **Steve Hofmeister**, an AISC professional member, is overseeing the new office as manager of the company's Midwest U.S. region. The new office will offer the services of the firm's Building Structure, Construction Support Services, Property Loss Consulting and Building Performance practices.

- **A.C.T. Metal Deck Supply** has opened a new distribution center in Atlanta, which is its 11th location. More information is available at **www.metaldecksupply.com**.

PRODUCT NEWS

New Version of Tekla BIMsight Available for Tablet Computers

The latest version of Tekla's free construction collaboration tool, Tekla BIMsight 1.4, is now available for use on the job site. The software offers a dedicated user interface for Windows tablet computers and features enhanced presentation tools. You can choose which interface is best suited for your working environment, desktop or tablet.

Learn more about the latest version of Tekla BIMsight and download the software for free at **www.teklabimsight.com**. Video tutorials and a customer support forum are also available on the website.

CONTEST

Head Scratchin' Steel Structure Trivia

You've likely worked on or marveled at all kinds of steel structures from buildings to bridges to sculptures. But just how well do you know your steel landmarks? We at *MSC* thought we'd have a little fun with our readers and launch a monthly trivia contest on our website (**www.modernsteel.com**) for all who wish to test their steel structure knowledge.

On the last Friday of each month, a new photo revealing only a detailed portion of a steel structure will be posted to our website's "Steel in the News" section as our weekly "Steel Shot." Your challenge is to identify that steel structure and answer the trivia question provided in the news post. If you think you know, send your best guess to *MSC* associate editor Tasha Weiss at **weiss@aisc.org**.

The first three people who supply the correct answer will receive an *MSC*-branded stainless steel back scratcher! You'll need it to successfully tackle those pesky itches after the trivia pressure subsides. (And check out that extension!) Its five-fingered curved design reaches from 7 in. to 20¾ in. in length.

Think you have what it takes to win? You'll have to go to **www.modernsteel.com** to find out! Our first trivia question was posted on Friday, February 24, so you can check out the news post under that date to see what you're up against. Now is the time to study up for this month's trivia question! It'll be posted at 10 am Central Time on Friday, March 30.

AWARDS

Huey P. Long Bridge Named Historic Landmark

The Huey P. Long Bridge, which crosses the Mississippi River in New Orleans, has been named a National Historic Civil Engineering Landmark by the American Society of Civil Engineers (ASCE). The designation makes this steel structure one of fewer than 250 ASCE landmarks in the world including the Eiffel Tower, the Panama Canal and the U.S. Capitol Building. A full list of landmarks is on the ASCE website at **http://bit.ly/zzA6LK**.

The Huey P. Long Bridge is now in the final phase of a $1.2-billion widening project. When completed in 2013, the expanded bridge will have an additional travel lane and inside and outside shoulders on each side of the bridge. The total width will be expanded to 43 ft, more than double the current driving surface. The project also includes construction of new elevated bridge approaches and ramps, as well as new intersections with traffic signals at Bridge City Avenue and Jefferson Highway.

To read more about the details of the bridge widening project, see "Lift, Slide, Attach, Repeat" in the September 2010 issue of *MSC*, available at **www.modernsteel.com/backissues**.

AWARDS

Mid-Continent Tower Honored by AIA

The Mid-Continent Tower, a landmark 36-story office building in downtown Tulsa, Okla., has received the American Institute of Architect's (AIA) 25 Year Award. The organization's Eastern Oklahoma Chapter recently presented the award to the Tulsa office of Dewberry (then known as HTB), which designed the distinctive tower for then-owner Reading & Bates in the early 1980s.

One of the most challenging design and construction projects in the nation at the time, the Mid-Continent Tower was built adjacent to and above the historic 16-story Mid-Continent Building, also known as the Cosden Building, which is listed on the National Register of Historic Places. Reading & Bates, an energy resources company, owned the circa-1918 building and sought to expand the property to serve as its headquarters.

Because the existing building's structural system would not support additional weight, Dewberry's design concept called for constructing the tower's base adjacent to the building to its full height, and then cantilevering over the building for an additional 20 stories. In all, 330,000 sq. ft were added to the original 90,000-sq.-ft building, aided by a series of five massive steel trusses, each weighing 230 tons.

The feature article "Mid-Continent Tower: Key to Tudor-Gothic Revival" covering the project begins on page five of the 1983 Q4 issue of *MSC*, which is available online at **www.modernsteel.com/backissues**.

EDUCATION

NASCC and WSBS Join Forces for Combined 2012 Conference

For the first time ever, the leading design and construct conferences for fabricated steel buildings and bridges are coming together for a massive three-day event, April 18-20, 2012 at the Gaylord Texan Convention Center, adjacent to the Dallas/Fort Worth airport. The World Steel Bridge Symposium (WSBS) is co-locating with NASCC: The Steel Conference, bringing you practical seminars on the latest design and construction techniques, more than 100 technical sessions, extensive trade show exhibits showing products ranging from structural engineering software to the latest fabrication equipment, and various networking events. Join more than 4,000 of your peers and clients at the conference and register now at **www.aisc.org/nascc**. (Your registration gains you access to both conferences and the earlier you register, the more you save on your registration fee.)

"The current breakneck pace of technological advancements in our industry makes attending NASCC essential," said Matt Danza, John Maltese Iron Works (AISC Member), North Brunswick, N.J. "Last year we learned about dozens of innovations we otherwise wouldn't have known about, things that can give us a leg up on the competition and help us win more work."

The conference is the premier educational event for structural engineers, fabricators, detailers, educators, and others involved in the design and construction of fabricated steel buildings and bridges. You have the opportunity to learn from top industry leaders in all facets of the industry, and this year's event features two new tracks: the Technology in Steel Construction Conference (TSCC), and Ruby University focusing on constructability topics such as lateral stability and camber. It also includes the Structural Stability Research Council's Annual Stability Conference, and the Sustainable Steel Conference. You can earn up to 24 PDHs! (Professional Development Hours)

The conference kicks off with a keynote address from Daniel Simons, professor in the Department of Psychology at the University of Illinois and creator of the famous "invisible gorilla" psychology experiment. He'll share real-world stories and startling demonstrations to show how we all miss more of what goes on around us than we realize. You'll gain a better understanding of the gap between how we think we pay attention and remember and how we really pay attention and remember, gaining new insights into how your customer's mind works and allowing you to craft a more persuasive and compelling message.

Another keynote session expected to draw a large crowd is the 2012 T.R. Higgins Lecture presented by Michel Bruneau, P.E., Ph.D., professor of civil, structural, and environmental engineering at the University at Buffalo, SUNY. He is the recent recipient of AISC's prestigious T.R. Higgins Award for his paper on steel plate shear wall design published in AISC's *Engineering Journal*, and will discuss this topic along with other elements of his work such as new design concepts for seismic design, blast-resistance, and multi-hazard resistance concepts.

Other can't-miss sessions include: "Accelerated Bridge Construction: Lessons Learned" by Michael Culmo from CME Associates, Tim Noles from Hardesty & Hanover, and Mike Laviolette from HNTB; "Floor Vibrations" by Thomas Murray, emeritus professor at Virginia Tech and Brad Davis, professor at the University of Kentucky; "Steel Joists and Wind Uplift" by Michael Roach from New Millennium Building Systems and Rick Jensen from Vulcraft; "Welding Metallurgy for the Structural Engineer" by Duane Miller from The Lincoln Electric Company; "Designing Green by the Book: The IGCC" by AISC's John Cross; "BIM Workflow—Lessons Learned" by Brian Cobb and Warren Goodrich from Structural Detailing, LLC.

Have you ever visited a steel mill? In addition to the plentiful conference offerings, one of the nation's most advanced mills, Gerdau, is providing a free tour of its Midlothian, Texas, facility. The morning of the first day of the conference, attendees will be transported from the convention center to the mill where you'll discover the entire process of how steel is made—from mounds of scrap to charging the furnace to continuous casting. You'll see quality control processes first-hand and develop an understanding of rolling schedules and steel availability. (There is no charge to attend this event, however, space is limited. You can sign up for the tour in your conference registration.)

And that's not all! Sign up for the WSBS and you'll receive a pre-commercial version of LRFD SIMON, a software solution for preliminary steel plate and box girder bridge design. Registered attendees will also receive a complimentary USB drive loaded with bridge design and construction resources including the *Steel Bridge Design Handbook* and its design examples.

View and download descriptions of all conference sessions in the Advance Program at **www.aisc.org/nascc**. (See pages 8-11 for all WSBS sessions.) Additional conference details and the schedule can also be found on the conference webpage.

What are you waiting for? Register now at **www.aisc.org/nascc**.

PRODUCT NEWS

Pre-qualified Wire for Welding

Hobart Brothers now offers 16 metal-cored and flux-cored (gas- and self-shielded) wires that meet the AWS D1.8/D1.8M: *Structural Welding Code-Seismic Supplement* for demand critical welds in seismic moment frame welded connections. These wires are pre-qualified for seismic applications and can be used by contractors without additional filler metal testing. More information is available at 800.532.2618 or on the Hobart Brothers website at **http://bit.ly/yiafsd**.