## Our Condolences

James (Jim) A. Anders, long-time AISC Southwest Regional Engineer, died June 8 in Dallas of injuries sustained from an accident in February and aggravated by cancer and diabetes.

"For those of use who worked with Jim, he will be remembered for his extensive technical knowledge, helpful insights, good cheer and positive outlook on life," said Andy Johnson, Vice President of Marketing at AISC Marketing, Inc. "In the way he overcame many of life's adversities, Jim was a good model for all of us."

Born in Philadelphia, PA, on September 30, 1929, Anders was the second of two sons. Through his early years, he displayed a passion for sports and applied mathematics. As a teenager, he was a warm-up catcher in the bullpen of the Philadelphia Athletics, and once turned down an offer by Connie Mack for a tryout in the Athletic's farm system. While still in his teens, he moved with his family to Washington, DC. He majored in civil engineering at George Washington University's night school until enlisting in the U.S. Army Corps of Engineers in August 1951. Following graduation from Basic Training, The Engineer Officer Candidate School and duty at Fort Belvoir as a Tactical Officer, he reported to the 36th Engineer Combat Group in the Republic of Korea.

Separating from the Army in December 1953, he attended Virginia Polytechnic Institute, graduating first in his class with a B.S. in Civil Engineering in June 1956. His passion for learning led to an M.S. in Engineering Sciences as the Gordon McKay Prize Scholar at Harvard University's Division of Engineering and Applied Sciences in June 1957. Through the late 1950s and 1960s, Anders served in several structural engineering and operations research assignments and served as a part-time instructor of mathematics at the College of William and Mary.

Named to the American Men of Science in 1965, he advanced through analyst and management positions to become first Deputy Director and then Director of Planning and Marketing for the Combat Operations Research Group, Technical Operations, Inc., in 1966. He managed the Systems Science Center, Melpar, Inc., from 1966-1968.

Over the next several years, Anders formed his own marketing and technical consulting firm, Anders Associates, Inc., which was dissolved in 1974 due to health problems. His career path during recovery led him through several executive positions in engineering and construction-related marketing, including his first stint with AISC from 1979 to 1984. As Vice President of Texas Testing Laboratories, Inc., he co-founded the Dallas Committee on High-Rise Development before rejoining AISC in 1988.

Anders was a member of the Dallas Rotary Club, American Society of Civil Engineers, Structural Engineers Association of Texas, Tau Beta Chi, Omicron Delta Kappa, Phi Kappa Phi, Chi Epsilon, Who's Who in the South and Southeast, and the American Arbitration Association.

## NASCC Scores With Steel Design & Construction Team

The excitement surrounding the premier of the North American Steel Construction Conference (NASCC) in Toronto this May was rivaled only by the Stanley Cup playoffs. And while the defending champion Detroit Red Wings met with little success this year, the NASCC (held May 19-22) drew more than 2000 engineers, fabricators, detailers and others involved in the design and construction of steel buildings.

Mike Gilmor, manager of operations at the Canadian Institute of Steel Construction, co-sponsors of the conference, said: "Canada was proud to have been the site of the 1999 NASCC as evidenced by the over 350 Canadian attendees who came from across Canada."

The three-day conference's 30 technical sessions offered engineers, fabricators, detailers and erectors practical knowledge on topics ranging from the training of steel detailers to the design of column stiffening at moment connections. Dan Russo, a structural engineer with McIntosh Redpath Engineering in North Bay, Ontario, attended the welding sessions to familiarize himself with welding processes. He said he often does a lot of welding designs. "It was very informative," he said of the sessions. "I liked the in-class theoretical items and the hands-on ones."

This year's conference featured the largest trade show to date, with more than 160 booths. The exhibit hall offered attendees the chance to gather information about the latest products and services from leading suppliers and manufacturers in the structural steel industry. Doug Evans, director of marketing at Design Data, said that the Canadian location offered them a chance to reach new contacts. "With the conference being in Toronto, we were able to gain exposure in Canada that we hadn't had previously. This brought in new contacts," Evans said. Mark Corte, coordinator of marketing and sales for Welded Tube of America, said: "Many of the attendees enjoyed an opportunity to hear first hand new, creative ideas happening in our industry along with viewing some of the advances in tech-


*The NASCC exhibit hall featured more than 160 booths, including Steel Solutions.*

nologies and service which can be provided to them."

The conference was kicked off by a half-day plenary session featuring three prominent members of the steel construction industry: D.J. Laurie Kennedy, professor emeritus in the Department of Civil Engineering, University of Alberta; Robert D. Freeland, chairman of Havens Steel Company and also Chairman of the AISC Board of Directors; and Carol Ross Barney, president of Ross Barney + Jankowski.

Kennedy, who is widely regarded as one of the premier experts on Limit States Design (LSD), gave a speech titled "We don't use slide rules anymore". In the speech, Kennedy looked back at the past 50 years of designing buildings and the development of LSD. He said that once a strength design for concrete with different loads was developed, steel had to leap ahead—and from this came LSD. Limit states are limiting conditions at which a structure is deemed not to fulfill some function. "We can, using LSD, have unique load and resistance factors for special structures," he said.

In his speech titled "A State of the Art Steel Contractor", Freeland discussed the history of steel fabricators, using Havens Steel as his example, as well as focusing on the future. He particularly emphasized the growing importance of the overseas marketplace as well as initiatives within the industry to improve steel design and construction. "There is an exciting future for steel construction and it is within our reach," Freeland said.

Ross Barney focused on the effect of technology and economy on building designs. She said that when designing a building creating an identity is often an important factor. Using the U.S. Postal Service as an example, she pointed out that successful businesses often have a trademark—for the U.S. Postal Service it is an eagle. "Identity is an issue that architects are dealing with more and more," she said. She also said that a sense of community and legacy are also important issues.

The plenary session concluded with a discussion of the design and construction of the Guggenheim Museum in Bilbao, Spain, presented by three of Skidmore, Owings & Merrill's engineers, John Zils, P.E., S.E., Robert Sinn, P.E., S.E., and Hal Iyengar, P.E., S.E.

Also presenting at the conference was Michael D. Englehardt, recipient of the 1999 T.R. Higgins Lectureship Award. The award is presented to an outstanding lecturer and author whose technical papers have made a significant contribution to the literature regarding fabricated structural steel. Englehardt received the award for his work on reduced beam section moment connections (also known as the "dogbone").

Englehardt's Higgins' paper highlighted design recommendations for radius cut RBS moment connections, as well as reviewing previous research on RBS connections. He suggested a procedure for sizing the RBS cuts in the beam flanges and recommended methods for welding and detailing the beam-to-column connection. Finally, a design example was presented to demonstrate the design recommendations. (The full paper is scheduled to be presented in a future issue of Engineering Journal, and Englehardt will also present the paper at more than six regional meetings during the next nine months.)

Several other awards were handed out at the conference this year to prominent members of the structural steel community. William J. LeMessurier was presented the J. Lloyd Kimbrough, which honors engineers and architects who are universally recognized as the pre-eminent steel designers of their era. It is presented to an individual who has made an outstanding contribution to the structural steel industry through their design work. LeMessurier is known for his innovative projects and his work, including on the staggered truss system (current developments in the use of this system will be presented in at NASCC 2000) and in the development of tuned mass damping systems for stabilizing tall buildings.

Theodore V. Galambos, Emeritus Professor of Structural Engineering at the University of Minnesota, was given the Geerhard Haaijer Educator Award, which recognized individuals who have had a profound and lasting impact in developing a unique application for engineering practice or in the mentoring of future technical leaders. It honors those who have had an outstanding impact on advancing the use of structural steel framing in the construction industry through their research and teaching.

New to the conference this year was a detailing software demonstration held in conjunction with the exhibits. This demonstration gave attendees the opportunity to view the latest in 2D and 3D software development. Chris Bell, owner of Bell Drafting, said that while the software demonstrations may have fired up the recent 2D versus 3D software debate, "it did answer a lot of questions regarding software."

Next year, the conference will be held in Las Vegas from February 23 through 26. Sessions will include such diverse topics as: "Design Procedures for Extended Shear Tab Connections," "Welding Information from Omer Blodgett," "Design Build Issues," "Effect of the New Code Standard Practice on Fabricators," "High-Strength Bolting for Erectors," and "Guidelines for Successful Steel Construction from a Detailer's Viewpoint." Additionally, the conference will offer a 10-hour course on LRFD for engineers and fabricators who didn't learn LRFD in school or need a refresher. James Stori, president of STS Steel and Chairman of the NASCC committee, said: "We look forward to new challenges for next year's conference in Las Vegas, as we continue to strive to make the NASCC the one annual event every fabricator and engineer just can't afford to miss."

*—Jenifer Golec*