



SEAU NEWS

The Newsletter of the Structural Engineers Association of Utah

Volume VIII- Issue I September 2003

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This newsletter is a monthly publication of the Structural Engineers Association of Utah.

Articles or advertisements appearing herein may be submitted by anyone interested in expressing a viewpoint on structural engineering.

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▼



The Ogden Christmas Box House Ogden, Utah by Hales Engineering

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SEPTEMBER EVENT

SEAU FALL SOCIAL



Date:

Friday, September 19, 2003
6:30 p.m.



Location:

Hidden Valley Country Club
11820 South Highland Drive,
Sandy Utah



Cost:

\$00.00 for current SEAU members.
(Guests \$25.00)

MESSAGE FROM THE BOARD

OUTSIDE THE BOX



By Ron Dunn,
SEAU President

What is the box that we always hear about? We are often asked to think outside of it. Is something wrong with the inside of the box? Who is it that actually defines where the boundaries of this box are? Are our clients asking us to join them on the outside of the box, or do they just want us to go outside and think alone? How do we know when we finally get on the

outside? Why are we never told to think inside the box?

I have come to the conclusion that it takes a very talented client to actually know what is inside and what is outside. I am certain however that jobs that are over budget are always prepared inside this box. We always have to go outside the box to bring the budget in line. What if we were thinking outside the box from the beginning, are we then required to go further outside this box when we are over budget? Maybe there is a bigger box just outside the box we were thinking outside of. And so on and so on-

Greetings from your SEAU Board. During this past summer we have been meeting on a regular basis to set in motion goals, programs, and activities for this upcoming year. Due to the successful leadership of our past president, Dr. Larry Reaveley, we have significant momentum that will assist us in the

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SEAU OFFICERS FOR 2003-2004

SEAU Board Members for the 2003-2004 Year

Office	Board Member	Telephone	FAX
President	Ron Dunn	575-8877	575-8875
Vice President/President Elect	Barry Arnold	782-6008	782-4656
Past President	Dr. Larry D. Reaveley	581-6931	585-5477
Treasurer	Jeff Miller	486-3883	485-0911
Secretary/Historian	Kim Robinson	453-0772	453-0762
Member of the Board/UEC Delegate	Carl Eriksson	(435) 615-5107	(435) 615-4900
Member of the Board/UEC Delegate Elect	Brent Maxfield	240-1529	240-1689



Ron Dunn



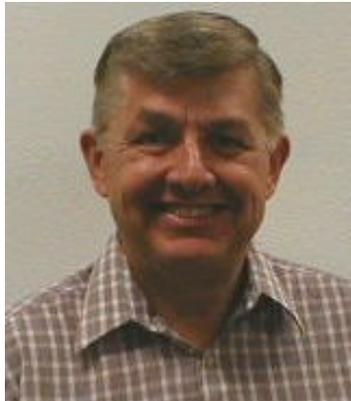
Barry Arnold



Jeff Miller



Kim Robinson



Carl Eriksson



Brent Maxfield

MEMBER FORUM

FOCUS

Utah Structural Engineers provide a significant contribution to a wide variety of projects for commercial, government, industrial, and residential clients. Each month, SEAU would like to focus attention on the accomplishments, successes, and hard work of our Utah Structural Engineering firms. This month the focus is on:

Simpson Strong Tie Co.

Simpson Strong-Tie Company is the world's largest manufacturer of metal connectors for wood-to-wood and wood-to-concrete construction. Founded in Oakland, California in 1914 as a vent and louver manufacturer it branched out in 1956 and began making metal connectors, as we know them today. Simpson Strong-Tie has had an active presence in the intermountain area since 1977, when Simpson hired a full time sales representative. Today this same area employees 8 full time reps and merchandisers - three in the Utah area alone. The Simpson Strong-Tie catalog has grown from 21 pages in 1977 to 152 pages today with several complementary catalogs to assist everyone from the do-it-yourselfer to the well-schooled engineer.

Due to requests from architects, engineers, and contractors, plus stricter code requirements, Simpson Strong-Tie's offering has grown from one product (A35) in 1956 to over 3000 products and sizes for today's market. To help accommodate growth,



Simpson Strong Tie Stockton CA Plant

Simpson has just completed a new 230,000 square-foot factory in Stockton California, made just for connector products. Also on the site is a new 20,000 square-foot research and development facility capable of testing up to a four-story wood structure in simulated earthquake conditions. This is only one of two facilities in the world capable of simulating real-world conditions and is the largest privately funded facility of its kind.



Stockton Research and Development Lab

Computers can make the shake table duplicate the Kobe earthquake or any other of the most recent seismic movements. This facility is state-of-the-art, and will soon be able to test the new Strong-Walls, Strong-Brace Walls or the ATS (Anchor Tiedown



Full-Scale Testing of Simpson Strong Wall

System). These walls are just one of the latest products developed by Simpson Strong-Tie to help the designer, engineer and contractor meet the new stricter code requirements for shear wall aspect ratios.

Simpson Strong-Tie products are usually available at lumber dealers and contractor supply houses. Not all products are stocked locally, however, most products can be shipped out of one of our five major manufacturing facilities throughout the country the same day the order is placed. Please feel free to contact one of the local representatives if you have any questions about ordering.

For 2003, several new products, including six specifically for plated truss applications, have been introduced. (You can get a free catalog by calling Gary Pugmire @ 801-244-7430 or Tad Goaslind @ 801-573-0634.)

MESSAGE FROM THE BOARD (continued from page 1)

coming year.

On behalf of the Board of Directors I would like to thank Dr. Reaveley for his unselfish leadership service. We are now headed in a direction that will take both courage in leadership and the cooperation of the membership to successfully travel forward. I believe that we are heading outside of the box.

I would also like to express my appreciation for those who will be serving as board members this year. I believe that we represent a diverse group of Professional Engineers with different ways of professional practice. We represent owners, plan examiners, vendors, educators, and consulting engineers. Elevating the bar for practicing engineers (our main focus this year) will in essence benefit each of us regardless of how we make our living.

Additionally, the lifeblood of our organization rests with the many active committees and work groups. We have the commitment of many talented individuals to head these committees, and as such, they can motivate and engage their committee members. We expect great things to come about as a result of the many active committees. SEAU is a professional organization formed to better our knowledge and communicate this understanding of our profession. This is best achieved through active participation. We encourage ALL to pick an interest and serve on a committee. Change your focus yearly if you desire.

Our monthly meetings are critical. Additional importance will be placed on providing a evening that is worthy of your valuable time. The board is concerned that this time be of great worth to you as an engineer, and desires that the relationship between different engineering offices and other companies improves. We need unified strength or else we sound fragmented to those who hear us sing.

Additionally to complement our technical programs held on Thursday evenings, we will hold two or three business luncheons throughout the coming year. These will be long lunches (one to 1 ½ hours) consisting of outside business professionals discussing such topics as: ownership transition, insurance concerns, legal issues, and other management principals. I would like to propose having one dinner meeting with a keynote speaker. [Please respond to members of the board with your input.] It is our desire that active membership in SEAU will benefit both our technical and business skills in our respective professions.

Of the 500,000 known plant species, man has only cultivated about 100 species. Thirty of these species provide us with 85 percent of our food and 95 percent of our protein. Additionally, of the 4,500 mammal species on Earth, only 16 species are used as food. Why is it that such a sophisticated population is content to subsist on the relatively few plant and animal species that our ancestors were able to cultivate or breed

thousands of years ago? We are not the only ones that need to get out of the box!

As a board we have accepted individual assignments to contact our counterparts in other professional organizations, including: architects, contractors, other engineering organizations, education experts, legal specialists, insurance representatives, and city engineers. As a unified front we will determine what their expectations are of us, finding those common denominators with which we can push forward. Already we have had significant positive feedback. It is surprising that each of these organizations have similar issues they are independently working on.

As a board we understand that our funds available to carry out these programs must be used wisely. We are committed to try and use these funds for the benefit of all members.

Our opening social should start off this year right. We will share a very nice meal, enjoy great entertainment, and most of all, mingle and meet new people. Come share in this evening that promises to be enjoyable to you and your guest.

The SEAU Board invites you to join us in a great new year. Thank you for all you do to better SEAU.

Q: I just learned that ASTM A992 is the proper material to specify for wide flange shapes. Where can I find information on the proper material to specify for other structural steel shapes?

A: Call 866.ASK.AISC

AISC's Steel Solutions Center is your **FREE** resource for the answer to this question and many more. For the most up-to-date, complete information on structural steel, call toll free and ask today! Or e-mail us at solutions@aisc.org.



Steel
SolutionsCenter
Your connection to
ideas + answers

BULLETIN BOARD

BULLETIN BOARD SPECIAL FEATURE

This month SEAU would like to feature:



ROGER EVANS

Roger Evans served as the Director of Building Services and Inspections for Salt Lake City since 1988 until his retirement earlier this summer. During his tenure Roger earned an excellent reputation as a building official and may have single-handedly done more to raise the quality of building construction than any other person in the building community. He is considered a strong ally of designers and structural engineers endeavoring to provide code compliant structures in Salt Lake City. SEAU would like to thank Roger and recognize his years of service to the design community of Salt Lake City.

Roger Evans is originally from Salt Lake City graduating from Olympus High School in 1967. Roger pursued a degree in political science at the University of Utah while also taking many classes from Salt Lake Community College (or Trade Tech as it was known at that time). He began working for Salt Lake City in 1972 and taught evening classes in building codes at Salt Lake Community College for nine years.

During his tenure Roger noted that structural engineers became more professional through education and involvement with the code development process. He believes that SEAU has made great strides in the area of education and development with its membership. He also took note that engineers who did not have a background in seismic design realized their limitations especially when building officials required "peer review" of project submittals. Structural engineers became more involved (aware) of the requirements for special inspection and construction observation.

Advancements, innovations and differences that Roger noted during his tenure with Salt Lake City include:

- Establishing qualifications for special inspectors and having individuals designated and approved by owners and architects/engineers.
- Peer review on projects after 1978.
- Providing education seminars on different code topics.
- Record keeping and computer programs for construction projects in tracking permits and inspections.
- Certification for building inspectors and plan examiners.
- DOPL taking action on engineers' licenses.
- Adoption of the Uniform Code for Building Conservation.
- Passage of the Uniform Building Standards Act.
- Tracking approved fabricators.
- Establishing a web site and providing a wide variety of handouts for customers.

Roger is most proud of the professionalism of the staff at the Department of Building Services and Inspections. At the risk of editorializing, the author believes this to be a direct reflection of the leadership Roger provided.

Roger believes that education is a major issue for the future of structural engineering in Salt Lake City. He believes that the profession must be adequately educated on the code process with the Uniform Building Codes Commission and the ICC code development process. There are engineers practicing structural engineering who should not be practicing. SEAU needs to focus on the code of ethics and police their own membership and help DOPL take appropriate action on those individuals who are "selling their stamp".

Thank you Roger, and best wishes from SEAU.

SEAU ANNUAL GOLF TOURNAMENT

SEAU will have their second annual golf tournament in conjunction with the opening social. This year, we will golf on Thursday, September 18th, starting around 1:00. We will go 18 holes at Rose Park Golf Course. The format is the same as last year. Each participant signs up with a partner, then a blind draw will pair up (2) twosomes into (1) foursome, who will then golf a four-man scramble. Registration is simply via phone (801-782-6008), or e-mail (davep@arwengineers.com), or fax (801-782-4656) giving Dave Pierson the names of your twosome. It will cost just the green fees (about \$25-\$30) per person, payable directly to the course on the day of the tournament. Please register before September 12th.

SEAU Presents:

FALL SOCIAL

Date: Friday September 19, 2003

Time: 6:30-- until you want to go home.

At the beautiful new clubhouse of

Hidden Valley Country Club

11820 South Highland Drive, Sandy Utah

Reservations are required

RSVP: Luanne Miller, 575-8877

By September 16th.

Italian Buffet and dancing to the group, *Remedy*

Cost: \$00.00 for current SEAU members. (Guests \$25.00)

SEAU is also holding its annual golf tournament on Thursday, September 18, 2003, at Rose Park Golf Course starting at 1:00 p.m. See announcement on page 5 for further information.

STRUCTURAL ENGINEERS ASSOCIATION OF UTAH

P.O. Box 58628

Salt Lake City, Utah 84158-0628

www.seau.org



Board of Directors

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Larry Reaveley, *Past President*

Jeff Miller, *Treasurer*

Kim Robinson, *Secretary/Historian*

Carl Eriksson, *Member of the Board/UEC Delegate*

Brent Maxfield, *Member of the Board/UEC Delegate Elect*