

# SEAC Newsletter

## ✓ Mark Your Calendar

### **General Membership Meetings**

(Breakfast 7:30 a.m.)

January 18  
March 15  
May 17  
July 12  
September 13

### **Business Practice Committee Meetings**

(Breakfast 7:30 a.m.)

February 8  
April 12  
June 14  
August 9  
October 11

### **SEAC Board of Directors Meetings**

(7:30 a.m.)

February 1  
April 5  
June 7  
August 2  
October 4

### **SEAC Seminar**

Details to  
follow

### **Annual Dinner Meeting**

November 8  
6 - 9 p.m.

## January's General Meeting: VSL, Inc.

### "Strengthening of Structures"

Dan Hargar and Jay Thomas will discuss the evaluation and strengthening of existing structures utilizing rapid load testing, carbon fiber reinforcing, external post-tensioning and other techniques.

Specific examples of how each of these has actually been used will be presented.

## 2001 Election Results

The Board of Directors wishes to thank the membership for their participation in the elections for the new Officers of the Board of Directors for the Year 2001.

After a careful count (and several closely monitored recounts without the media interference), the duplicate ballots have been thrown out, and the votes have been tallied. The results indicate that **Ed Buteyn** has been elected as President, **Brent Norris** has been elected as Vice President/Treasurer, **Jack Petersen** has been elected as Secretary, and **Bill Zimmerman** has been elected as Director.

No appeals will be necessary. Congratulations are to be extended to all of the nominees. The Board is looking forward to fresh enthusiasm and ideas from the new members, as well as the continuing members.

## November 2000 Dinner Meeting

Stan Havlick and two companions really roughed it when bicycling 5000 miles across Asia, and his program was superbly presented and enjoyed by all.

## Board of Director News

Two members were nominated for Life Status and approved by the Board of Directors. Congratulations Don Pyle and Jerry Gray.

The Denver Building Department has approved requests to allow immediate usage of the seismic provisions of the 2000 IBC prior to adoption of the IBC next year. The letter from Pete Bemelen, along with the most current Fire Department Truck Loads are enclosed for your information.

## Don't Miss Out

### Upcoming General Meeting

**Date:** Thurs., Jan. 18 @ 7:30 a.m.

**Speaker(s):** Dan Hargar and  
Jay Thomas of VSL

### **Location:**

Renaissance Denver Hotel  
3801 Quebec Street (south of the I-70  
and Quebec Street intersection)

### **Reservations:**

Call Janet Gemberling at Martin/Martin  
303-431-6100 or fax 303-431-6866 by  
noon on Monday, January 15, 2001.

We also would like to take this opportunity to thank the two departing members of the Board, **Wally Prebis** and **Ben Nelson**, for their help and devotion to the organization. Their presence will be missed, although we are fortunate that they will continue to actively participate in the organization.

Finally, the Board formally welcomes **Dave Houdeshell** to the Past-Presidents (Grey-Hair Society). - Brent Norris



## Officers & Board Members



**Ed Buteyn**  
President  
Jirsa+Hedrick  
303-839-1963  
ebuteyn@jirsahedrick.com



**Brent Norris**  
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**Jack Petersen**  
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**Dave Houdeshell**  
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JVA, Inc.  
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dhoudeshell@jvajva.com



**Bruce Wolfe**  
Board Member  
Structural Consultants, Inc.  
303-399-5154  
sci-denver@worldnet.att.net



**John Garlich**  
Board Member  
Rocky Mountain Prestress  
303-480-1111  
jgarlich@rmpprestress.com

not  
pictured

**Bill Zimmerman**  
Board Member  
Zimkor Industries, Inc.  
303-791-1333

### Submit comments/articles to:

*Ben Nelson*

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Association of Colorado  
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(303) 431-6866 fax  
bnelson@martinmartin.com  
**WWW.SEAColorado.Com**

Information for inclusion in the newsletter  
must be received one month prior to the next  
general meeting.

*Shawna K. Zachman*  
Newsletter Publisher



## SEAC Updates

### Life Members

Jerry Gray  
Don Pyle

### Professional Members

Paul Hause  
Structural Consultants, Inc.  
Heath Stein  
Structural Consultants, Inc.  
Jason Ruth  
Peak Engineering

### Affiliate Members

Daryl Simpson  
Universal Forest Products  
James Meyer  
W.R. Grace

### In Memory

Forrest Mickey regrettably  
informed us that former SEAC  
member **Bob Nedell** recently  
passed away.



## Ed's Eloquence

Welcome to a New Year! As I write this we are just entering the Christmas holiday season, but as you read it that season is a memory. The family gatherings, shopping, parties, music programs, religious services and vacations are all completed and we find ourselves back at work and back into more of the routine of life.

The end of one year and the start of a new is often a time for reflection and anticipation. Hopefully, 2000 was a good year for you. Perhaps you have set some exciting and challenging goals for this year.

In talking with many of you over the course of the last several years, it seems that most of us are very busy with work. We are enjoying the strong economy, but our workload is sometimes heavy. We can't seem to find new employees and every time we work those long hours to complete a project there is another waiting in the wings with similar demands of too much work in too little time.

We each respond to this in somewhat different ways. Some thrive on this environment. They feel they are at their best when challenged to excel in a difficult situation. Others are extremely frustrated by never having enough time to thoroughly complete any task. Most of us probably go back and forth between these two experiences.

A recent survey showed that a high percentage of structural engineers are "satisfied" or "very satisfied" with their career choice. I place myself in that category. The technical challenges of the job are enticing. After nearly 17 years in the profession, I am continually amazed at how much I have to learn. The opportunity to be involved as an important part of a design team is exciting. I have met many talented and interesting people along the way. Working with peers who share similar sentiments and a love for the profession is inspiring!

It is my hope for you for this coming year that you meet your challenges with enthusiasm, that you learn new things with a renewed sense of wonder, and that you join with others in celebrating work and life.

In the words of one of the great structural engineers of the 20<sup>th</sup> century, *Fazlur Kahn*, "The technical man mustn't be lost in his own technology. Life is art, drama, music . . . and most importantly, people."

*Ed Buteyn*

## When Will The Lawsuits End?

**John Reins**, past President of SEAC, has agreed to chair an Ad-Hoc Committee to evaluate the recent proliferation of lawsuits against contractors and design professionals involved with multi-unit residential complexes in Colorado.

If you have relevant input for the committee to consider, please communicate with John at Wiss, Janney, Elstner's office, phone (720) 962-8688.



WELLINGTON E. WEBB  
MAYOR

# CITY AND COUNTY OF DENVER

## COMMUNITY PLANNING AND DEVELOPMENT AGENCY

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200 W. 14<sup>TH</sup> AVENUE, ROOM 101  
DENVER, COLORADO 80204-2700  
720-865-2705  
WWW.DENVERGOV.ORG

November 22, 2000

Structural Engineers Association of Colorado  
David M. Houdeshell, P.E.  
SEAC President 2000  
c/o JVA Incorporated  
1319 Spruce Street  
Boulder, CO 80302

Re: Structural Design Criteria  
Denver Building Code

Dear Mr. Houdeshell:

We are receiving many requests and inquiries concerning our structural design criteria while we are in the adoption process of the 2000 International Building Code.

Our policy is as follows:

1. Seismic Design: Optional to use 1997 UBC or 2000 IBC.
2. Snow Load: Use Denver Building Code Amendments 1999, Section 1614 (page 186). ASCE Standard 7-98 may be used in lieu of 7-95.
3. Wind Load: Use 1997 UBC Volume II or ASCE Standard 7-88, 7-95 or 7-98.

Please review the above policy with SEAC and the SEAC Building Code Review Subcommittee.

The seismic design alternate of using the 2000 IBC should be approved by City Council by December 31, 2000, and can be used at this time.

If you approve of the above policy, please forward it to your membership. I have also attached the latest "Denver Fire Department - Fire Truck Loads". This will replace the loads noted in Section 1603.7.

Sincerely,

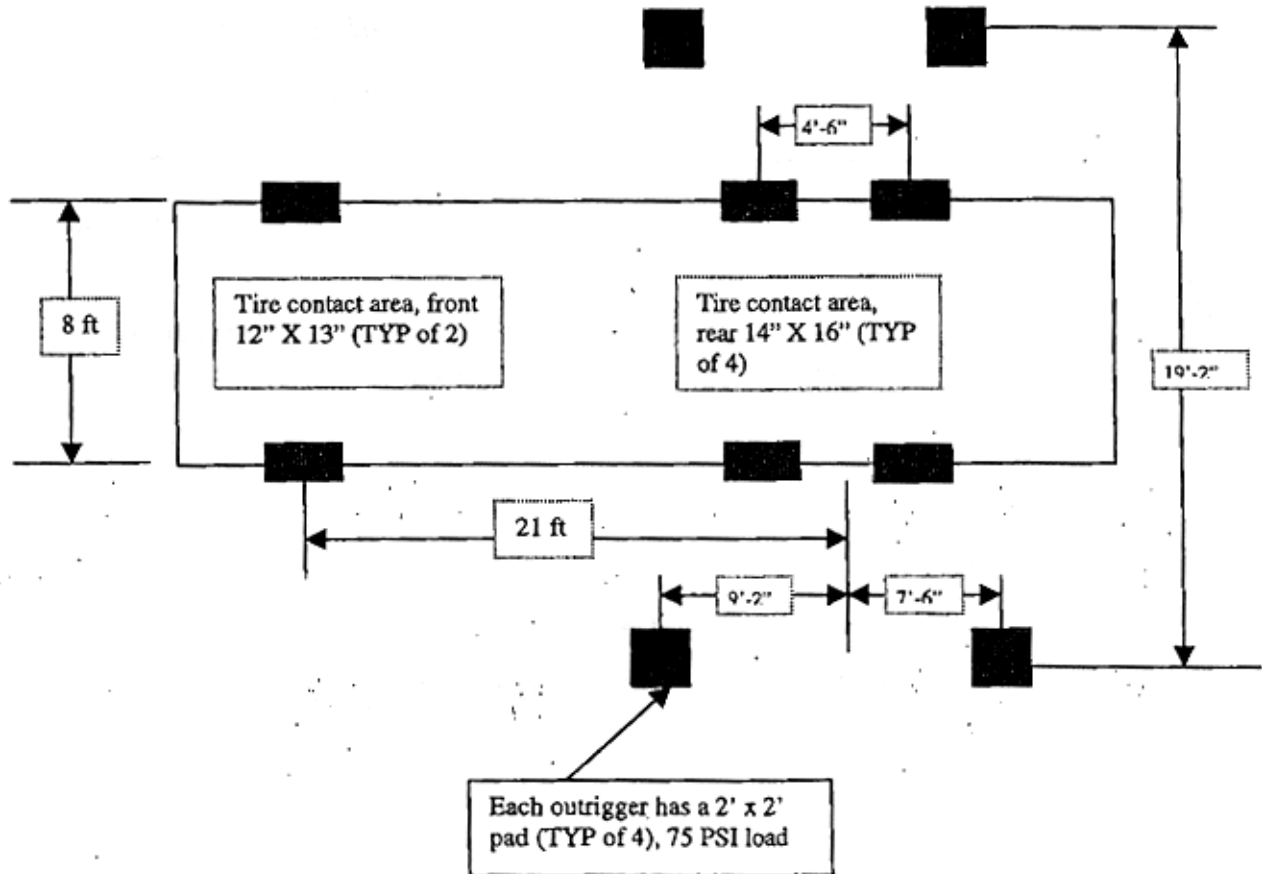
A handwritten signature in black ink, appearing to read "Peter Bemelen".

Peter Bemelen, P.E.  
Building Official  
Denver Building Department  
City and County of Denver

Cc: Don Pyle

## Denver Fire Department-Fire Truck Loads

1. Load on front tires=21,130 Pounds, total
2. Load on rear tires=51,400 Pounds, total
3. Impact and Longitudinal forces shall be included per the latest edition of AASHTO Standards.





## Committee Announcements:

### SEAC Wants You!

Join and be  
an active  
member!



#### Membership Committee

If you have questions about this committee, please contact **Jerry Maly** at (720) 962-8688, [jmaly@wje.com](mailto:jmaly@wje.com)

## 2000 SEA Roundup Conference

The 2000 Conference of the National Council of Structural Engineers Associations (NCSEA) was held in San Antonio, Texas on September 14-16 in conjunction with meetings of the Structural Engineers Association of Texas and the Western Council of Structural Engineers Associations. The joint meeting resulted in a large attendance of well over 100 persons. The SEA of Texas did an excellent job in organizing and presenting the conference and in showing off San Antonio. The conference location was the Menger hotel directly across the street from the Alamo and adjacent to the Riverwalk.

The conference lasted three to four days, depending on individual involvement in committee work. The agenda consists of committee reporting, technical session, breaks between sessions to meet with exhibitors and a business meeting. All meals are with the group to provide plenty of opportunity to renew friendships and form new ones. The Friday night dinner program included a number of business items and presentation of Excellence in Structural Engineering awards.

NCSEA is currently comprised of 30 member organizations of over 11,000 individual members from across the continental United States and also Hawaii. Most states sent a voting delegate and many states had multiple representatives. In addition, board and committee members were in attendance. **Don Pyle**, our delegate, and **Ed Buteyn**, incoming president of our board for 2000, represented SEAC. Each organization submitted a summary of membership activities for the past year. Most are very active, conducting meetings, seminars and educational opportunities, much like SEAC.

### Available SEAC Publications for Purchase

#### GUIDE: Recommended Standard of Practice

price: \$15 (members)

\$20 (non-members)

Contact:

Bruce Wolfe, Structural Consultants, Inc. 303-399-5154

#### 1997 Survey of Colorado Building Departments

price range: \$20 to \$100

Contact: Henry Lopez 303-447-2813

#### 1971 Colorado Snow Load Report

price: \$10

Contact: Henry Lopez 303-447-2813

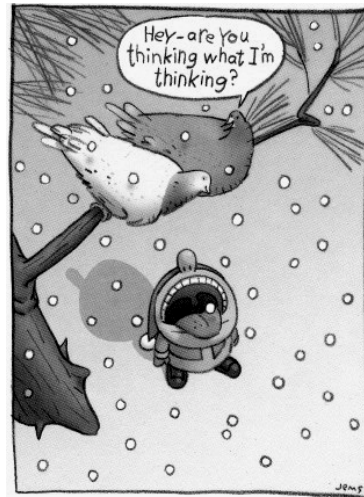
1999 Seminar Proceedings:

#### Suggested Local Standard of Practice in the Precast and Steel Industries

price: \$15

Contact:

Bruce Wolfe, Structural Consultants, Inc. 303-399-5154



Committee work and assistance in local code development are typical activities. Many of these have websites that outline their activities. Information regarding NCSEA and links to websites of member organizations can be found at [www.ncsea.com](http://www.ncsea.com).

Each of the standing NCSEA committees reported on current activities. Some of the items of note are as follows:

- The Code Advisory Committee continues to work on the development of the International Building Code. Representatives have also been placed on the committees involved in the development of the NFPA code. It is expected that the NFPA code will adopt most structural provisions by reference, ACI 318, ASCE-7, etc. The current development schedule calls for initial publication in September of 2002.

(continued on page 4)

## 2000 SEA Roundup Conference (from page 3)

- The Excellence in Structural Engineering Awards Committee announced three classes of categories for 2001. The classes are less than \$5 million construction value, \$5 million to \$25 million, and more than \$25 million.
- Publications announced that Structure magazine will now be published ten times per year, increased from the current four per year. Articles of interest are solicited from members.
- The ad hoc Committee on Certification was commissioned a year ago to form a conceptual model of a Structural Engineering Certification System and to determine how the structural Engineering Profession would benefit from Board Certification. The committee and the delegates believe certification can benefit the profession in a variety of ways. This committee was made a standing Certification Committee and directed to develop a model for board certification of structural engineers. Upon completion, the certification model will be presented to the NCSEA membership for action. NCSEA previously passed a resolution supporting the concept of separate licensing of structural engineers. The proposal for certification would keep licensing of structural engineers with the states but would promote specialty certification by a board of professional peers, similar to the method used by the medical profession.

NCSEA is involved in many things that impact the structural engineering profession. To attend the conference and personally witness the passion and fervor that accompanies these efforts is inspiring to see. NCSEA's mission is "To provide a unified, national resource on structural engineering for practicing structural engineers and other participants in the design and construction process."

The means of doing this is the input and participation of the member organizations, and participation by individuals who are willing to contribute articles, serve on committees, continue their education, and promote the profession. SEAC's function is nearly the same, only on the local level. Each of us should consider what we could contribute.

- Don Pyle and Ed Buteyn



Don't forget to make your phone reservation for the January meeting by **noon** on January 15!  
Call Janet at 303-431-6100

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### SEAC Newsletter

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