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S O U T H W E S T

PREDICATOR

*improving the process of creating and sustaining the built environment**R&H Construction, BOOR/A Architects and CSI presents a Project Tour*

Tuesday, September 17, 2002

By Jody Moore, CSI, CDT

North of the city center and parallel to the new Interstate light rail, a Portland landmark has been transformed into **Adidas Village**. Brightly colored panels—green on the recycled Kaiser Hospital and Olympic yellow, red, and blue on the new buildings—provide the first clue that a unique creativity is at work here.

R&H Construction will be our host on **Tuesday, September 17** when you will have a once-only opportunity to see inside this 3-year project.

Showcasing **Sustainable Design and Construction**, we will visit the former hospital and see how it has been transformed into flexible work and conference spaces with an innovative mechanical re-use approach to envelope design.

The pedestrian bridge arching over Greeley connects old and new, and offers a view of the stone and multi-colored panel exteriors of the east village. Here you will see where 200,000 yards of white beach sand made the parking garage a huge mass excavation and shoring challenge; how the unique panel system accommodates both seismic and architectural design; and where the Adidas oval is taking shape in a complete athletic center.

In the **Adidas Café, Bon Appetit** will be showcasing their talents with 3 stations offering Sushi, grilled ginger chicken and prime rib, Asian vegetable salad and a classic Caesar, with a chocolate soufflé cake dessert.

Following dinner, we will get the inside story when **Mike Kremers**, R&H Senior Project Manager joins **BOOR/A** Lead Designer **Eric Cugnart** and Project Architect **Phil Chubb**, to share “before” and “during construction” stories and the process they have forged to house a creative owner on this demanding site.

Pre-Paid Reservations Required

Register Now! Tour is limited to the first 120 registrations.

Location: Adidas Village — 5505 N. Greeley

Time: 4:30pm Gather on the West Plaza for a Shot-Gun Start

Cost: \$30.00 for Tour and Dinner — Group of 8 for only \$225.00

No-host beer and wine will be served.

Please see back cover for tour logistics and easy reservation form.

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VOLUME 42, No. 2

Portland Chapter CSI
Monthly Newsletter



president-elect's message

By Cherie McNabb, CSI, CDT

Hello and welcome back to the 2002-03 year for CSI after a beautifully warm summer. I would like to introduce myself; I am Cherie McNabb, CSI, CDT. I work for Willis Supply Company; the distributors of DuPont Corian®. I have been a representative in the commercial construction industry and CSI for approximately nine years. Prior to that I was a designer. I live on the Washington side of the bridge. I am married and have a seventeen year old daughter, Adrienne, a senior in high school this year (mom is having a hard time with this).

In 1993 I joined CSI and still remember the first few meetings. To say the least – overwhelming feelings of confusion ran through my head. What is it that these people are all talking about... So many abbreviations – acronyms. What was this association all about and was it 'Specifications Intelligence'? (secret agent mission stuff?). I sat through many meetings in silence – wondering, pondering, listening.....

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Then one day I was done! My hand raised... I was called upon... "What in the world are you all talking about? Please help me understand!" This was only the beginning on the little lecture... All were not sure what to do with this new person that started out so quiet and now just won't shush up...

Well guess what, they started explaining and I began to get more involved. The more involved I became the more I believed I might be a part of the 'Specifications Intelligence'. One of the first committees I became involved in was the Portland Products Fair. Nine years later I am still very involved in the Fair and now am President Elect.

The Construction Specifications Institute has been a wonderful opportunity in both my business and personal life. I have had the opportunity to get to know many of the specification writers, architects, designers and product representatives. Being a volunteer on committees is where the benefit comes in. This association has many small and large opportunities for every type of volunteer. If everyone just gave a little bit of his or her precious time for this organization we all benefit. The rewards are great. Once you get involved, more and more people respect you in the industry and will help and support you in your efforts. Take it from someone who

started out as a quiet shy lady to Sister Sledge (?). You can do it too... Remember this too, Without Us there is not a CSI..

Call any of the board members to get your feet wet in the CSI pond. Or if you want to be a part of the 'Specifications Intelligence'.

the **FINE PRINT**

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

THE PREDICATOR STAFF

Editor: Dianne Kuykendall,
Kuykendall Marketing Services

Photography: Randy Tessman

Printer: Echo Printing

BS by KS - basic specs

By Ken Searl, FCSI, CCS

In the August 2002 issue of the Orange County CSI Chapter Orange Peel Newsletter there is an article entitled "Spec Series" by Herman R. Hoyer PE FCSI CCS discussing Short Form Specifications Part 3. Herman states under a discussion of substitutions the following sentence: "This precludes the need to include the words "or approved equal". I have found over the years to never use the words "equal or approved equal" when it comes to substitutions. I remember an example where these words were used and it went to Arbitration when a proposed substitution had been rejected. Manufacturers Rep presented evidence that rejected product was better in many ways.

Since that time I and others have never used words "equal or approved equal" in our specifications. Also in specifications one should never use the words "as required".

It is recommended when substitutions are involved to amend Supplementary Instructions to Bidders Section 00210 Article 3.3 Substitutions, Sub Article 3.3.2 for pre-bid and to include in your specifications Section 01630 Product Substitutions Procedures covering General Procedures for Post-Bid Substitution Requests. It is noted that both items listed above included in Project Manual require mandatory use of our CSI Northwest Region's Substitution Request form. If you would like copies of items mentioned contact me and I will send them to you. Also available is our Section 01312 Project Meetings which includes a Request for Information form which stops high volume receipt of RFI's.

Since I have semi-retired I visit Plan Centers in Salem and Portland area and review projects on file prior to bidding. I was looking at a new school building up for bid in our area and notice they were calling for a vapor retarder under a concrete floor on grade and included 2 inches of sand fill over vapor retarder. For the past two years or longer a sand fill requirement has been deleted by ASTM (I was a member of that committee), ACI and PCA. Just how long does it take to get the word out to all concerned? A good example of why not to place a sand fill over a vapor retarder is here in Salem where the South Salem Seniors constructed a new large building and specifications called for a sand fill over vapor retarder. It took nearly three months of drying

until tests met required moisture tests before floor coverings could be installed.

Two last items: CSI Northwest Region publishes a Plan Center List updated yearly which includes Plan Centers In Oregon, Washington, Alaska, Montana, Northern California, Idaho, Utah and one in Wyoming. A new revised issue will be available in late August or early September. It includes over 60 Plan Centers. If you would like a copy, contact me and I will send you one. My address: Ken Searl, 3100 Turner Road SE, Salem, Oregon 97302. Tel/Fax: 503-362-3472. Email: klsarl@netzero.net I also have available a publication entitled: Construction Specifications Writing Suggestions written by me with the help of Paul Edlund FCSI CCS and others. If you would like a copy contact me.

the real world

By Ed Loy, CSI, CDT

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SNODGRASS, THINKING PERSON'S SPEC WRITER



WHENEVER I'M UNDER A LOT OF PRESSURE TO GET A PROJECT MANUAL READY TO PRINT, IN PLACE OF SPEC DIVISIONS 2-16 I INSERT THE NOTE "NOT ALL PARTS INCLUDED. SOME ASSEMBLY REQUIRED."

the CALENDAR

Portland Chapter CSI Events

2002

Sept. 17 Project Tour: Adidas Village
R&H Construction will be our host for this once-only opportunity to see inside this 3-year project. Dinner will be served in the Adidas Cafe, Bon Appetit. Following dinner, Mike Kremers, R&H and Eric Cugnart and Phil Chubb, BOOR/A will give us the inside story along with some before and during construction photos. Don't miss this tour! See back cover for reservation! *Only 120 registrations available.* (1.5 HSW)

Oct. 24 Architecture Week
NOTE! Special Thursday Event!
Speaker - Robert Campbell, FAIA, Pulitzer Prize winning architecture critic for the *Boston Globe* and contributing editor to *Architectural Record*. CSI National President Phil McDade and the National Executive Committee will be attending as well. (1.5 HSW)

Oct. 26 Reception with CSI National Board of Directors
Details to follow in the October issue of *The Predicator*.

Nov. 12 The Reality of Going Green
First in the series on Sustainability. (1.5 HSW)

Dec. 10 Holiday Dinner Cruise
Portland CSI's favorite has returned.

Region & National CSI Events

Sept. 14-15 Northwest Region Leadership Conference - Seattle, WA
Location: The Edgewater Hotel
Hosted by the Puget Sound Chapter
See page 6 for more information.

Sept. 18 CSI Certification Exam
West Region Conference-Santa Rosa, CA

Sept. 21 CSI Certification Exam
DHI IEC Program - Portland, OR

Oct. 24-27 National CSI Board
Meeting will be held in Portland, OR

For further information about these events, please call the CSI office: 503-297-2162.

Other Events

Sept. 26 Moisture Integrity in Building Design
Ecotrust (Jean Vollum Capital Center
Portland, OR (5 LUs, 5 HSW)
Register online at www.aiaseattle.org for this workshop. See page 5 for more information.

2003

Aug. 20-23 AIA Regional Convention
Oregon Convention Center

SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or myself (david@thomashacker.com).

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

PRSG Product Rep Share Group
•Randy Tessman 503-318-8046 (meets 12-1pm, Rodda Paint, 321 S.E. Taylor)

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predicator*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

Moisture Integrity in Building Design

Ecotrust (Jean Vollum Capital Center) — Portland, Oregon

September 26, 2002 12:30pm — 6:30pm

Join a group of industry experts and design professionals for a half-day discussion of moisture-related issues. Professional perspectives regarding the fundamentals of proper building design, proven moisture control methods during construction, and indoor environmental aspects that affect safety, design and occupant welfare. This workshop will focus on how to identify, analyze and anticipate moisture issues, as well as preventive, remedial alternatives and design solutions that reduce future liability. A moderated

panel following the presentations offers participants and industry experts an opportunity for interactive discussion of moisture intrusion issues impacting the Northwest. The panel will involve workshop presenters, liability experts and local architects.

Portland Chapter's President Jim Wilson is included in this workshop. You can register now online at www.aiascattle.org (5 LUs, 5 HSW)

Remembering Rod Moorman

By Perky Kilbourn, CSI

Sometimes, even with the best of intentions, one misses a missing member.

Joy Moorman called Lee Kilbourn in August and advised that Lee should take Rod off the Portland Chapter CSI mailing list since Rod had died a couple of years ago. Joy said that information had only been in *The Oregonian* once and we might not have seen it. I am going to take to heart the advice attributed to Mark Twain (Samuel Clemens) - check the obituaries each morning to be sure your name does not appear to be sure you can start the day.

I remember Rod as a kindly gentleman with a grandson who was in our daughter's class in the magnet music program at Jefferson High School. (That Grandson has been a musician (instrument - Trumpet) for 10 to 15 years).

Rod's Portland Chapter CSI activities began by joining in 1973. Margie Largent advised in her President's column in September 1976 that Rod had become the Chairman of the Institute Resolution Committee for FY 1976 -1977 (after serving on the committee since 1975). Rod gave members some insight into this experience by preparing an article entitled "Resolutions." This article appears on page 3, of the May 1977 issue of *The Predicator*.

Rod was elected to the Portland Chapter CSI Board of Directors in 1978. Rod became the Portland Chapter of CSI Co-Program Chair with Tod Lundy for FY 1978 - 79. as well as President Elect.

In the May 1979 issue of *The Predicator*, there appeared a new column entitled "Moorman's Meanderings." This column continued monthly during Rod's term as President of Portland Chapter of CSI. Most of the columns were general in nature but two had specific topics which were - The Specifier's role in communication, and Energy

Rod's final "meander" was on "HELLO" and the acronym which he "clobbered together".
H is for Honesty
E is for Ethics
L is for Legality
L is for Language
O is for Organization.



When one reviews *The Predicators* from May 1979 to June 1980, it seems to me that Rod's term as President was particularly productive.

Rodney Vincent Moorman

DOB July 14, 1923 — Portland, Oregon
Died November 15, 2000 — Portland, Oregon
Attended Ockley Green Grade School and Jefferson High School, graduated in 1942
Army Signal Corps, deployed to France and Belgium, achieving rank of Major before retirement in 1969.

Married Joyce and had four children;
Geoff, Nancy, Rose
Ann & Ross.

the REGION NEWS

SAVE THIS DATE!

REGION LEADERSHIP CONFERENCE SEPTEMBER 14-15, SEATTLE

This is the LAST separate NW Region Leadership conference, and we're going to have a great program for you all!

This September 14-15 (Sat/Sun) the Puget Sound Chapter will host the last fall Region Leadership Conference. (Next year, this material will be part of our regular Region conference as it moves back to the fall months.) We're planning a program that should bring you a lot of information, inspiration and participation....

THE LOCATION: The Edgewater Hotel (www.edgewaterhotel.com) in Seattle, WA.

COST: \$85 registration cost per person. This covers the meeting rooms, Saturday & Sunday breakfasts, Saturday lunch, notepads, break-time refreshments, etc.

HOTEL COST: \$185 city view \$215 water view. Register directly with the hotel for rooms.

PROGRAM:

Friday, September 13

5:00pm registration and hospitality suite.

Saturday, September 14

8:30: registration and continental breakfast. 9:00-12:00: Speaker Dr. Hartman, consultant on business management. (see below)
12:00-1:30: Lunch at hotel.
1:30-3:30: Presentations by Region Representatives to national committees; presentation by region directors about national CSI and how region and chapters fit

into the overall organization of CSI.

3:45-5:30: Round Tables for Chapter Officers and Committee Leaders.

5:30-7:00: Cocktails in hotel hospitality suite.

Wine Tasting: Impromptu Wine Bar, Madison Park (neighborhood of Seattle, on Lake Washington.) Light dinner offered with wine tasting.

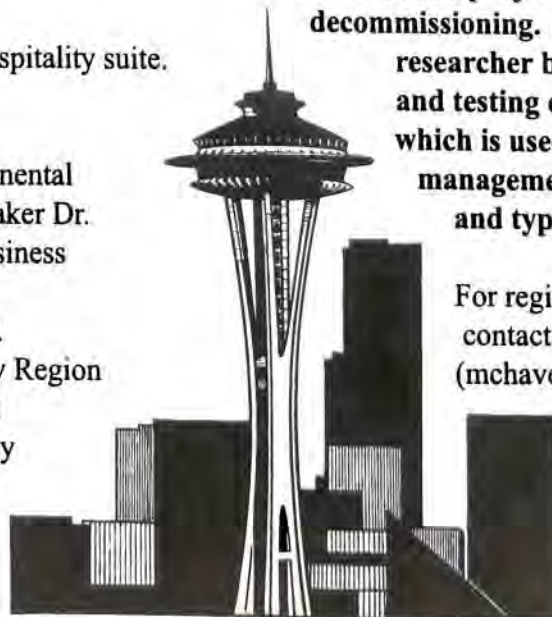
Sunday, September 15

8:30: Continental breakfast

9:00-12:00: Region Business Meeting
Adjournment

Francis Hartman was a keynote speaker at the Banff conference and he has graciously accepted our invitation to speak to us. He is Professor of Project Management at the University of Calgary and holds the NSERC/SSHRC Chair in Project Management. Before teaching, he had over 30 years of experience on \$30 billion of diverse construction projects, from selection to decommissioning. He is the principal researcher behind the development and testing of SMART Management, which is used for effective project management on a diverse number and types of projects.

For registration information contact Marc Chavez (mchavez@merrittpardini.com) or Anne Whitacre (awhitacre@zgf.com).



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renewing members in 2002

March 2002

Austin, Curtis L., CSI, CDT
Bechtel, Robert, CSI
Belts, Marc, CSI
Carlton, Dave, CSI
Chomowicz, Fred, CSI
Cooper, Mark K., CSI
Duwe, Todd R., CSI
Easton, Robert C., CSI, CCS
Hanset, Jim, CSI
Hatley, Wayne, CSI, CDT
Henderson, Lynn E., CSI
Hood, Clifford M., PE, CSI
Iosty, Don, CSI
Jackson, Ron, CSI
Lape, John, FCSI, CCS, AIA
Lundell, CSI, CDT
Mazza, Tony, CSI
Mitchell, Bruce W., CSI, CDT
Murphy, Robert L., CSI
Nelson, Brian L., CSI, CDT
Patty, Terry, CSI
Percival, Joseph D., CSI
Pethiyagoda, Nishan, CSI
Robertson, Candace, CSI, CCS
Robinson, Gene, CSI, CDT
Rydman, Dave, CSI
Stumpf, James T., CSI
Woodworth, Thomas D., CSI
Wundram, Edward, CSI, AIA, DBIA

April 2002

Alexander, Richard E., CSI
Ashburn, Tony, CSI
Bauman, Janda M., CSI
Boucher, Patrick E., CSI
Brown, Alan Larry, FCSI
Buffington, Lori, CSI, CDT
Cloud, Robert K., CSI
Cotner, Howard Phillip, CSI
Cress, Scott P., CSI
Dzioba, Ken L., CSI, CDT
Fletcher, Richard, CSI
Gauthier, Timothy J., CSI
Gibson, Cornelia, CSI, CDT
Goble, Ernest, CSI
Grasle, Jon R., CSI, CDT
Gray, Steven R., CSI
Halliday, Verne R., CSI
Heijdeman, Dick, CSI
Herrmann, John, CSI, CDT
Hogenhout, Trasi, CSI
Hungerford, Darrell, CSI
Hurst, Terry L., CSI
Iselin, Jessica A.S., CSI
Kittell, Geoff S., CSI, CDT
Knutson, Jonathan, CSI
Kuykendall, Dale, CSI, CCA
Lane, Carol
Lee, Ronald R., CSI

Madias, Michael, CSI, CCS
Mather, Tim, CSI
Muhle, Michael R., CSI, CDT
Nelson, Stanley W., CSI, CCS, CCA
Newbrook, Arden, CSI, AIA
Popkes, Steve M., CSI, CDT
Preston, Ron J., CSI
Rusch, Loy K., CSI
Spencer, Tim W., CSI
Swick, Ronald G., CSI, CDT
Trapp, Patricia A.
Tum-Suden, Dan E.
Waddell, James, CSI
Weller, Albert J., CSI
Wheeler, Terry, CSI
White, Perry, CSI, CDT
Williamson, Dan, CSI
Winn, Douglas R., CSI
Wong, Kent, CSI
Yamin, Cyrus, CSI, CDT

May 2002

Adams, Dan, CSI
Allen, Doug, CSI
Beasley, Mark, CSI
Carleton, Brian D., CSI
Carlson, David, CSI
Charles, Edward E., CSI
Cook, Lee E., CSI
Daniels, Peter F., CSI
Davis, Jerry, CSI, CDT, AHC
DeRosia, Art, CSI, AIA
Dooley, Robert, CSI, CDT
Dusa, Richard, CSI
Gannaway, Tom, CSI
Gronowski, Ronald P., CSI
Harris, Scott W., CSI
Hart, David L., CSI
Helton, James L., CSI
Irwin, Christine, CSI, CDT
Jaeger, Craig, CSI, CDT
Kehrli, John C., CSI
Kilbom, Lee, FCSI, CCS, FAIA
Kullgren, Allen, CSI
Layman, Paul, CSI
Leary, Steven, CSI, AIA
Lee, Brian D., PE, CSI
Lee, Gordon L., CSI
Livingston, Jeri, CSI
Mahaffey, Cynthia, CSI
McBride, Richard, CSI
McNabb, Cherie, CSI, CDT
Miller, Glen, CSI
Milstein, Ron, CSI
Milsten, Dennis, CSI
Moyes, Mark B., CSI
Murphy, Patrick M., CSI
Neiger, Solvei, CSI
Pardue, L.C. Jr., CSI
Pickett, David, PE, CSI

Ravins, Patrick T., CSI
Robinson, J.C., CSI
Roedl, Randall J., CSI
Rudolf, Heinz K., CSI
Schiller, Robert D., CSI
Stewart, David J., CSI
Stewart, Frank, CSI
Welsh, David G., CSI
Wright, James A., CSI

Loy, Edward, CSI, CDT
Mann, James, CSI, AIA
Murphy, Ian, CSI, CDT
Osborn, David W., CSI
Ream, Samuel R., CSI
Stafford, Tim, CSI
Van Scoy, Jerry, CSI
Vandehey, Ronald G., CSI
Wurdeman, Susan, CSI

June 2002

Aldrich, Dean E. Esq., CSI
Allen, Bob, CSI
Baker, Mike, CSI
Blenkinsop, Richard, CSI
Branch, Don, CSI
Cleveland, Andrew W., CSI
Eggleston, Donald D., CSI
Ettlin, Hans O., CSI
Ferguson, Chris, CSI
Fitzgibbon, Henry, CSI
Flagg, Stephen F., CSI
Geddes, Don, CSI
Gehlen, Joseph C., CSI
Giger, Jim, CSI
Herbold, Fred, CSI, CCS
Isles, C. Thomas
James, Steven F., CSI, CDT
Joens, Linda, CSI
Klas, Robert R., CSI
Klein, Paul, CSI, CDT

July 2002

Brown, Bruce C., CSI
Dewey, Daniel, CSI
Fitzgerald, Calista L., CDT
Forsberg, B.A., CSI
Grover, R. Kumar, CSI
Hausserman, Robert, CSI
Hesseltine, Robert, CSI, CCS
Imes, Leslie, CSI
Keaton, John, CSI
Luey, J. Min, CSI
Moore, Jody R., CSI, CDT
Nicholson, Raymond, CSI, CDT
Saba, Karan L., CSI, CCA
Shelmerdine, Alan, CSI, CDT
Vande Bergh, Stan, CSI
Wilson, James, CSI, CCS

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the **NEWS FROM THE INSTITUTE**

Institute News

The CSI Show™ at Construct America™

CSI's next annual convention and exhibit, The CSI Show™, will co-locate with The TFM Show™ at the CSI-created Construct America, which will be held April 9–11, 2003 at Chicago's McCormick Place exhibit hall.

The CSI Show at Construct America will include:

- Exhibits,
- Technical education,
- General sessions,
- Networking events,
- CSI Annual Meeting and member forum,
- CSI annual awards and awards ceremony, and
- CSI certification exams.

Even though the month when The CSI Show occurs is changing, the fundamentals remain the same.

Attendees still will benefit from a wealth of product information, wide-ranging continuing education sessions, and abundant opportunities to learn from and network with colleagues. Be sure to mark your calendars today to take part in the debut of The CSI Show at Construct America!

Honors and Awards Deadlines for New Fiscal Year Change

Since the FY 2003 honors and awards recipients will be recognized at The CSI Show™ at Construct America™ in April, this fiscal year's honors and awards nominations submittal deadlines have been pushed up to accommodate the new timeslot. Fellowship nominations are now due at the Institute Nov. 1; all other honors and awards submittals are now due Dec. 1. The Jan. 2 deadline for Honorary Membership nominations remains the same.

National News

Oklahoma Bridge Reopens in July

The Interstate-40 bridge in Webber Falls, Okla. reopened on July 29, just 65 days after it was hit by a barge and collapsed. Fourteen people died when four of the bridge's spans fell on May 26. The Federal Highway Administration said it normally takes six months to complete a project that size.

By using a modified design-build approach, the

design was done in only 16 days. Contractor Gilbert Central Corp. (a Fort Worth-based unit of Peter Kiewit Sons' Inc.) received \$10.9 million for the base contract to reconstruct a 600-ft-long portion of the bridge across the Arkansas River. Because Gilbert Central beat its 57-day contract by more than 10 days, the company earned more than \$1.5 million in incentive payments. The firm earned \$6,000 for every hour that it beat its proposed schedule; it also stood to lose \$6,000 for each hour that the project wasn't completed on time.

Oklahoma Department of Transportation Director Gary Ridley said, "With a major coast-to-coast artery interrupted by the bridge disaster, rapid reconstruction was imperative. All parties came through brilliantly."

—Information from <http://enr.construction.com>, Aug. 6, 2002.

Environmental News

Rating Green Buildings Becomes Easier

The U.S. Green Building Council recently released an update to its sustainable building rating system that simplifies documentation requirements, thus making the process of certifying buildings as "green" easier for design and construction teams. The Leadership in Energy & Environmental Design™ (LEED) rating system is designed to evaluate the environmental impact of commercial, institutional, and high-rise buildings and to provide a standard for what constitutes a sustainable building.

With these changes, the council will now substitute some submittals with a declaration from a "responsible" project team member that a particular category's requirements have been met; some of these submittals will then be audited. In addition, the new version has an embedded software tool that performs necessary calculations and prompts users for additional needed documentation.

Nigel Howard, a council vice president and director of the LEED rating system project, said that until now documentation has been an "epic task." He added, "We want design and construction teams to spend their time making the building green rather than on the submittal process."

—Information from <http://enr.construction.com>, Aug. 6, 2002.

what do you say? ...news and views from the Specifier Share Group (SSG)

By Dave Shelman, CSI, CCS

The scene spread out in front of me is one of incredible beauty. In the foreground is a park-like meadow of about five irregular acres. A glacial stream makes a meandering brown band through the grass and heather floor and disappears over a rocky ledge to my left. Forming a distant backdrop are gigantic walls of fractured rock rising fifteen hundred feet to a broken ridge. Hugging these walls, as if painted there, are puzzle-shaped patches of last winter's deep snows. I am in the Goat Rocks Wilderness on a backpack trip and am humbled by what I see and touch. It is not the first such experience and hopefully won't be the last. It is not unique to me, but it is nonetheless moving.

A vacation—even a relatively short one—can give new perspective to one's work and responsibilities. But this one has led me to reflect in particular ways on what I do as a participant in this business of making buildings and other places of human activity within the larger realm of the natural world. I hope you will not mind this departure from the regular news coming out of the Share Group.

The starting thought for me was to realize that no human mind or group of minds could imagine a place like Goat Rocks into existence "out of nothing". If they could, it would not be possible to document such a vision for construction. If that were possible, there would still be no means or methods within human abilities to construct it and even if these could be conceived there would not be enough time in a thousand generations to complete it. All this does not even address the cost of such an undertaking or the "facilities maintenance" program that would be needed to keep it all going. Yet this place is only a small part of our continent which is a small part of the planet which is a particle of dust in the universe.

In light of these realizations what is the significance of our life and work? What possible response is due when we experience the awesome? How does that experience work its way down into our daily waking and sleeping, our choices and activities and the relationships we have with our fellow human beings? The evidence around us indicates the responses run the gamut from a kind of rejection and denial to one of reverence and worship. It is possible to ignore the wonder of the natural world and carry on as if the only things that matter are the things we can make and sell and do "things" with. It is also possible to

let the experience of the awesome and the beautiful influence all the relationships that engage us—with people, with materials, with the places we make and with what we do with them. Where do I fall in that spectrum?

There are, of course, the obvious (but not insignificant for their being obvious) concerns that our actions may have negative effects on the natural order of things that we see in places like Goat Rocks. Those of us in the design and construction fields are participating in the great discussion (debate?) about which human actions affect the environment and in what ways and to what degree. This discussion will continue and our industry should show leadership and responsibility in this area if we care anything about the quality of life for ourselves and for coming generations. But perhaps there is also a broader perspective that responds to the wonder not only with environmental sensitivity but with a paying attention to creation's lessons and gifts.

With our own ability and privilege to create can we not design and build in the landscape in ways that reflect the natural order of things? Can we not show appreciation for the materials we build with, for their inherent beauty and properties, whether weighty and substantial or subtle and delicate? Can we organize sites in such a way as to reveal, if not dramatize, the natural qualities of the place? If it is a structure we are creating can we not dispose of walls and windows, roofs and floor planes in such a way as to allow the light of the sun to add enjoyment to the interior spaces and materials while also letting the occupants see what that same source of light reveals about what is outside surrounding the structure?

Perhaps, in the most difficult application of this sense of the awesome, can I maintain an awareness of my place in relation to the vast whole as I am interacting with the people I live with and work with and with all the varied personalities that are part of this complex business of building? Can I let the creativity I have experienced in my enjoyment of nature inspire me to be creative in the way I solve problems and achieve results? Can I also let that sense of awe help me keep daily events in perspective in a way that my life can be an enjoyment both to me and to others?



9

Editor's Note: The following series of articles started in the spring. This printing brings us up to date on an interesting topic.

One of the biggest questions in construction is "Who is responsible?" It would seem that a fair allocation of risk would be based on the authority and knowledge of the parties involved, but joint-and-several liability and the misguided urge to go for the deep pockets can obviate most attempts to be fair. Still, if the initial assignment of risk makes sense, it will be less likely for challenges to end up in court. Assignment of risk is the primary function of the conditions of the contract; they explain what each named entity must do for the others and what to expect in return. Commonly used standard forms of general conditions are very similar; each explains what the contractor must do for the owner, and what the owner must do for the contractor; the duties of a separate design professional are also enumerated. There are some procedural differences, and slightly different views of who is responsible for specific items, but any competent design professional, contractor, or owner should be able to work with any of them.

Owner-generated general conditions, used by public entities and large owners, are often egregious; they are excellent examples of how to not write general conditions, and would make good study tools for any of CSI's certification programs. Written by people whose main goal seems to be to confuse the reader, they are anything but clear and concise. In many cases, they also try to absolve the owner of all risk, making either the design professional or the contractor responsible for things they simply cannot control.

Even when public entities or large owners make use of standard general conditions, they generate supplementary conditions as long as the document they are modifying. These are curious documents, which, besides trying to avoid risk, often restate provisions already found in the general conditions, add needless clauses, and ramble on about policies in a way that is sufficiently vague that they are unenforceable.

Design professionals and owners often make use of the conditions of the contract to "fix" problems from

previous work. In so doing, they almost always end up specifying in the supplementary conditions things that really belong in the specifications, usually in Division 1 - at the same time repeating existing requirements. In nearly every case of creative use of supplementary conditions that I have seen, the problem in question was already addressed in the contract documents.

This approach is like that of the person speaking to someone from a different country, believing that talking louder will make up for the lack of a common language. Using the supplementary conditions to fix other parts of the contract documents is simply yelling the same thing louder to make up for inaccurate specifications, incorrect interpretation, or lack of enforcement.

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Abdicating Responsibility, part 1

Architects across the country have their undies in a bundle, with good reason. Even the federal and state governments, who seem to resist any change regardless of merit or logic, are embracing design-build as a way to get their projects done. The traditional role of the design professional is at risk; owners have finally realized that they don't really need an architect. An owner might ask, "Why go through all the trouble of dealing with both an architect and a contractor, who will stand back and point fingers at each other when something goes wrong, when one can hire a single entity who is responsible for everything? If I can buy a multi-million dollar airplane, which is far more complex than a building, without the hassle of both design and construction contracts, why should I not do the same for my new building?"

At first glance, it might appear that all design professions could be in trouble, but that is not the case; architects are in a uniquely vulnerable position. You can't design structure without an engineer, you can't design site work without an engineer, and you can't design mechanical or electrical systems without an engineer - but you don't need an architect. I have seen many reports of architects being reprimanded for practicing engineering without a license, but I

continued on page 11

have never heard of an engineer being reprimanded for practicing architecture.

Design-build firms are often led by contractors, who employ design professionals only because states require their certification. Even without that requirement, engineers would be safe, as any contractor interested in self-preservation would still employ engineers to make sure their buildings wouldn't fall down. Architects, on the other hand, would find themselves in the unemployment lines. It doesn't take a rocket scientist to make sure that doors have at least 32 inches clear opening and that there are enough fire extinguishers to go around.

But, because certification is required, we still need an architect on the team. But what is that architect's role? It may now be relegated to drawing and specifying what the contractor wants to build. That architect may have little or no interaction with the owner, other than selecting a few finishes and creating impressive perspectives to sell the job. The real design work may be done by someone who knows nothing about architecture, engineering, or construction, other than relative costs.

Certification of construction documents typically consists of the architect signing a statement that says "I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision..." or something to that effect. Question: When the architect is removed from primacy in the design process, does certifications of the drawings and specifications not become "plan stamping"? Next month: The good old days; construction management and commissioning.

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Abdicating Responsibility, part 2

in the good old days...

Some 2,000 years ago, Marcus Vitruvius Pollio, Roman architect *and engineer* said that architecture was composed of the triple essence: strength, utility, and aesthetic effect (often seen as "commodity, firmness, and delight"). He also said "An architect should be ingenious, and apt in the acquisition of knowledge. Deficient in either of these qualities, he cannot be a perfect master. He should be a good

writer, a skilful draftsman, versed in geometry and optics, expert at figures, acquainted with history, informed on the principles of natural and moral philosophy, somewhat of a musician, not ignorant of the sciences both of law and physic, nor of the motions, laws, and relations to each other, of the heavenly bodies."

The curriculum at my alma mater didn't match up too well with what Marcus had in mind. Even though I don't know what is offered at other schools, I suspect they are similar. High school English, or perhaps another year in college seems to be enough for good writing. The college believed that sketching still lifes and nudes was more valuable than producing working drawings (I know; I was refused permission to substitute a drafting class at a local vo-tech for one of our required art classes). Hard sciences were, well, too hard for architects, so we had only minimal requirements for math and physics, followed by engineering for dummies. We did have a brush with history, but only of the architectural variety. It wasn't until years later that I learned about the social and historical events leading up to and surrounding the Bauhaus movement and Art Deco.

I haven't been around long enough to say from personal experience, but from what I've heard, architects were respected people well into the last century, when they were thought of as "master builders". They knew a lot about the products they used, and how they were to be installed. They probably had hands-on construction experience. And when they visited the project site, the contractors feared the words, "Take it down and do it again - right!" or "Stop the work!"

Those days are gone. Today it's more common for the visiting architect to be ignored, if not sneered at. Owners don't trust architects as they used to; they now feel the need to hire construction administrators, owner's representatives, and commissioning agents, each of whom assumes some of the architect's traditional responsibilities.

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Abdicating Responsibility, Part 3

Giving Away The Store

What is it that has changed to bring on this threat to the architectural profession? Much of it can be attributed to the architects themselves. In a decades long attempt to reduce responsibility, the profession has abdicated its traditional purpose - *complete* design to meet the client's needs. Architects no longer control the work; they used to inspect the work at frequent intervals to make sure it was right, but now they make only occasional "observations". When things do go wrong, they no longer insist that they be done correctly; instead, a credit is negotiated. Admittedly, owners share blame, as they are more interested in getting done on time than they are in getting what they asked for.

The move to avoid responsibility is could be attributed to the enormously increased complexity of construction and building systems. It is no longer possible for an architect to be familiar with all products, and architects - especially those in the typical office with but a few people - must increasingly rely on consultants and delegation of design to supply the expertise they lack. But, there has also been a conscious effort to eliminate responsibility, to just do the fun stuff. Many schools do not prepare future architects for what the job requires; instead, they foster the notion that all students will one day be famous architects, cranking out cutting-edge designs to the delight of the entire world. The reality is that few architects do "real design", and the majority of the job for most architects is grunt work.

Disclaimer

In the next few columns we'll look at some of the things that architects have given up, and the growth of a number of relatively new services in the construction industry. But first, let me make something clear. There is nothing intrinsically wrong with any of these new services, nor are those who provide them inherently evil. Indeed, the people who offer these services are merely filling voids left as architects renounce their responsibility for total design, and one cannot fault them for their enterprise. As we continue on in this series, please bear in mind that I am not attacking anyone; my intent is to encourage consideration and discussion of the future of architecture, one of the great professions.

There will always be owners who are willing to pay for great architecture, so there will always be a need for great architects. But if the trend toward design-build continues, many architects will find themselves working for contractors. Wise owners will recognize the lack of checks and balances in the design-build arrangement; they will hire independent estimators to keep the project on budget, independent representatives to oversee the work, and commissioning agents to make sure the completed project is what was promised. What, then, is left for the architect? Little more than the legal liability for the outcome - in other words, all of the responsibility with none of the authority - and none of the fun.

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Abdicating Responsibility, Part 4

Last month we looked at estimating and complete design, certainly things that an owner should be able to expect from an architect. But when things go wrong, there is usually enough blame to be shared.

Site Services

Looking for the "best deal" in design costs as well as construction costs, owners encourage architects to cut fees and services in a bidding war. The result is less time for design, virtual elimination of quality assurance, and reduced time at the site. On-site observation is considered too expensive, and is frequently reduced to occasional site visits.

A lot can go wrong in a few days, and many problems are concealed by following work. Poor connections, lack of concealed supports, improper materials, and other hidden defective work may go unnoticed for years. And when the architect does detect problems, owners often accept deficient work. Sure, they might get a credit, but is that adequate compensation for what was lost?

To avoid a delayed opening, an owner accepts insulating glass units without the specified low-e coating. The supplier admits that the correct glass was not delivered, but claims that, since low-e coatings are the "normal" product, glass without a low-e coating is a special order item and actually costs more. What is the proper

amount for the change order? If the product supplied costs less than that specified, there is no cost benefit to the owner. Should it be a no-cost change order? Should it be the increased energy costs for twenty or more years?

Saving the cost of site observation is false economy, and design professionals should not quickly give up this unique opportunity to make sure that their own interests, as well as those of the owner, are protected. As architects have given up this important service to cut fees, others have taken the opportunity to fill the void. Many owners now hire independent representatives and testing agencies to oversee their projects, often paying more than if that work were included in the owner-architect agreement.

Construction Management

Construction managers have done an excellent job of carving out their own niche, taking the profitable, low-risk parts of the prime contractor and leaving the architect and contractor responsible for whatever goes wrong. Any firm that is given control of both estimating and awarding contracts should easily be able to show - on paper - that it has saved the owner ten percent.

I recently saw a project in which the owner hired an architect to design the project; a construction manager to provide estimates and value engineering during development of the construction documents, and to oversee construction; and an independent estimator to verify the construction administrator's estimates.

There is nothing intrinsically wrong with construction management. When properly used, owners benefit from early involvement of someone with knowledge of construction processes, comparative costs of various systems and products, and current market conditions. But owners can be fooled, especially when the CM gets a percentage of money "saved" by changes made during construction. "Hmmm, if I come up with high estimates early on, then choose contractors with the lowest bids..."

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PORTLAND CHAPTER OF THE CONSTRUCTION SPECIFICATION INSTITUTE'S ANNUAL GOLF TOURNAMENT



The Portland Chapter would like to thank everyone who participated in this year's golf tournament.

See the October issue of *The Predicator* for a more formal follow-up of our Golf Tournament.





Editor's Note: Cherie McNabb was kind enough to write an article (page 2) to cover for President Jim Wilson, who was on sabbatical. However, Jim made it back and submitted an article just in time.

The Physics of Driving Nails

Perhaps it is about expectations, and a result that will become familiar through repetition. Bang, bang, bang; bent. A be-knighted Englishman, Sir Isaac explained to the world that, *For every action, there is an equal and opposite reaction.* So, who hit the nail from the left while I was hitting it on top? I have been dismayed by the frequent appearance of this result. Bang, bang, bang, everything going swimmingly and then, bend! My opposite reaction quickly follows. It occurs to me this is a parable for building as a whole - the bent nail. We apply all our skill, exercise our keenest judgment, bring all our experience to bear and still with maddening frequency, and nary a knot in sight, after the next blow what was sinking like a ship looks like the stem of a five day old tulip.

Some how it would be easier to accept if the reason were more apparent. But, beyond acceptance is there a larger object lesson? Pull the nail out and begin again? Beat it down and cover the mess over with a layer of sheathing? Driving a nail is one of those tasks people feel they can do, how hard can it be? Smack that thumb-nail sized spot a few times with 20 ounces of steel and bingo, its sunk in up to the cuticle in green Douglas Fir. Hey is this fun or what!?

A hammer that is 16 inches long from the grip to the head can reasonably be swung at around 10 feet per second. With a weight of 20 ounces that compounds to a force of perhaps 60 foot pounds on the average thumb-sized nail head. When translated to the point of the nail the resultant force is substantially amplified.* So with all that going for it why does the nail end up like the maestro during the applause? Was Sir

Isaac mistaken? Was there some imperceptible shift in the feng shui of the wood that misdirected the hammer's energy? Was the defect with me, the nail, the board?

Over the course of many repetitions I have concluded that the defect will be found in the expectation that all will go according to plan; that my vision will be achieved, and my expectations will be fulfilled. This is not to say plans and visions are useless, nor to sing a dirge to optimism. It is to inquire about the value we might find in giving more thought and effort to amending the errors, addressing adversity, and accommodating the breakdowns that doubtless will occur. Instead of claims avoidance, why not claims acceptance? Any sensible person will acknowledge that perfection is not our fate. Never-the-less we seem often to presume perfection will occur, and alternative outcomes are the result of errors and omissions, inaction or inattention, negligence or malfeasance. Why not accept this for the consistent feature of human enterprises that it is? We have car insurance, life insurance, vacation insurance - what was the last holiday you embarked upon fully expecting to have an awful experience? Sure, most budgets have some "contingency" money, but the Owner really expects that to pay for the better quality carpets and to fit-up the meeting room with fancy AV equipment. Every schedule has some float time, but it is never sufficient to lift all boats, only Noah's, graced as it is with divine providence. Every contract provides for the resolution of disputes, as fore ordained by the party who drafted it. We may appeal to the Creator to amend our defects, but seldom is the Contract's author so beneficent.

Bang, bang, bang, sure as Newton's Third Law we know the curves await us and just as we do not attempt to avoid the bend in the road by driving straight through it, why don't we try bending with the curves in our projects? You know they are out there...

**My effort to provide some real physics on driving nails did not fit well with our deadline. The true answer will involve three of Newton's Laws and math considerably beyond me. Anyone able to provide a real answer is invited to contact me.*

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Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
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Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
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R&H Construction, BOOR/A Architects and CSI present a Project Tour

Adidas Village

Tuesday, September 17, 2002



Time: 4:30pm Gather in the West Plaza
(In case of rain, gather right inside the Green Building on the North.)
5:05pm **SHARP! Tour Shotgun Start**
7:15pm Dinner by Bon Appetit & Presentation in the Adidas Cafe

Location: Adidas Village, 5505 N. Greeley

Directions

I-5, exit at Swan Island. Go West and exit at Greeley Ave North. Turn right (north) to the site—the check-patterned buildings). Park in the garage on the south end of the project. Exit out of the garage through the yellow doors at the north end of the garage and cross Greeley on grade or over the bridge to Registration at the West Plaza.

Tour Requirements

This is a multi-story building with varied unfinished floors. To be admitted, you must wear flat-heeled closed-toe shoes. You will be required to sign a liability release form.

**Fax your reservation no later than
Sept. 13, 2002 by 5:00pm to (503) 297-3183.**

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If you have a question, call the CSI Portland Chapter office at 503-297-2162.

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Celebrating Portland Architecture Week

Thursday, October 24, 2002

"The truth is that individual buildings don't do much for a planet being suffocated by humanity's billions. Green buildings function more as signposts, as icons of intention, as visible statements of hope for an international economy that recycles rather than plunders the Earth's resources."

Robert Campbell, FAIA and Pulitzer Prize Winner for Criticism

On **October 24, 2002**, you have a rare opportunity to share a unique event with your most valued clients and colleagues when we welcome **Robert Campbell**, nationally acclaimed author and architecture critic for an exciting evening at the Portland Art Museum.

His architecture column for the *Boston Globe* earned him a Pulitzer Prize for Criticism in 1996. A contributing editor to *Architectural Record*, Mr. Campbell has authored feature articles for more than 80 national periodicals and is a lecturer on architecture at many of America's most distinguished Universities.



Writing on the future role of design for the August/September issue of *Metropolis Magazine*, Mr. Campbell's broad-ranging thoughts (which he modestly characterized as inconsequential) included the speculation that designers, whom he dubbed *Biomorphologists*, will reconfigure humans via genetic manipulation.

Decrying our free-for-all against the planet as we elbow other species out of existence, he noted the hopeful advent of more environmental buildings, but also observed: "*It isn't so much individual buildings as it is uncontrolled settlement patterns that are eating up the Earth. Designers and architects are well placed to understand the issues.*"

Looking at less apocalyptic developments, Mr. Campbell anticipates that, "...the world of the unedited range of human possibilities will continue to flourish—at least until those genetic biologists get to work on us. I have no problem with that. Architecture can be done well in any manner, and buildings of the wildest formal discrepancy can jostle comfortably together on a good street, so long as they observe some commonalities of human scale."

On **October 24**, we are honored to welcome Mr. Campbell for his first lecture in Portland. His remarks may range from designs for Ground Zero and lower Manhattan to planning for the reclamation of Boston's soon-to-be razed Central Artery to his observations on Portland and the state of architecture in this city.

There are only 34 tables available, with a third reserved prior to publication, \$360 for a table-for-eight. Reserve yours today and bring your favorite clients, colleagues and friends to share this stimulating and memorable event.

Please see the Back Page for Reservation Form and Event Logistics

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VOLUME 42, No. 3

Portland Chapter CSI
Monthly Newsletter



president's message

By Jim Wilson, CSI, CCS, AIA



How to judge a book by its cover.

Buildings are often embraced or reviled on the basis of appearance. It is interesting how rarely this is the case with the placement of a highway, the design of a guardrail, or the disposition of a park. Even significant structures like bridges are often accepted

uncritically or on terms that can exclude appearances. Consider Portland's Willamette River crossings; a disparate looking range of solutions to what is fundamentally the same need; getting traffic from one river bank to the other without impeding the traffic on the river. Many people have a favorite span among them, but seldom is this attraction only the consequence of what the bridge looks like. Powerful sensations formed by the experience of crossing a bridge often shapes people's affection for it.

What the Marquam Bridge lacks in appearance may be compensated by the experience a person has when crossing it (certain hours of the day excepted). You rise up quickly, blast around a curve, tip to a precarious angle, then with a distressing "here we go" sensation your vision is filled by a spectacular bird's eye vista of Portland, then it races away — a very different experience from crossing the Burnside or Fremont bridges.

Stand in Waterfront Park, and ask yourself which bridge you fancy most? If you focus on the "architectural qualities", the shape, the materials and appearance, and then recall the total experience of using these bridges, you may find your preference shifts. When the criteria for evaluating our built environment extends to the experience we have in using it our appreciation

of it becomes more compelling. The building like the bridge is more than its materials and appearance; the building like the book is more than the cover, more than a façade on the street.

Appreciating a building is about getting past the door, but often our experience does not get as far as the door. Passing by on the street, quickly sizing up the few buildings we really see at all, an edifice may be dismissed for looking too much like its neighbors, or not enough. One of the many delights afforded by a genuine urban experience is that of going inside the buildings that line the street. Go through the door and pass through dark lobbies, and brilliant atriums; walk across delightful paving and mount a winding flight of stairs. The more I use the building, the less significant its facade becomes. The more I go through the door, the less the apparent architecture matters and the more important my experience of the place becomes. Truly distinguished architecture needs to be appreciated in this manner. These buildings have sufficient substance to afford a new delight with each visit made. The play of light over its surfaces and through its spaces. The commodious accommodation given the activities it houses. The influence its presence has on the street and what it contributes to the greater cityscape. Nearly any building can possess such qualities, though too few in Portland do. Portland is recognized for distinguished achievement in urban planning, innovative transportation and general livability, why not architecture as well? Why don't we expect more of ourselves and insist upon achieving it for our city? For Architecture Week, CSI provides Portland a remarkable opportunity on October 24th to get behind the cover and explore ideas of what makes for great architecture. **Robert Campbell**, among the most distinguished architecture critics writing in America today, will share with us his insight about what makes good buildings and good cities. This is what Architecture Week could be about this year: Challenging ourselves to demand better design and equipping ourselves to achieve it.

In the July 2002 issue of the Doors and Hardware Publication on page 20 there is an article in the Code Corner entitled "Determining Positive Pressure Requirements" written by Loren Meyer, Fire Marshal. I will give you some quotes and information contained in this article which gives much information regarding this subject. Did you know that July is Baked Bean Month? I just got wind of it. Just thought I would toss this in to keep you alert.

UBC1004.3.4.3.2.1 Doors Quotes in part: All exit-access doorways and doorways from unoccupied areas to a corridor shall be protected by tightfitting smoke and draft control assemblies having a fire protection rating of not less than 20-minutes when tested in accordance with UBC Standard 7-2, Part 1. Such doors shall not have louvers, mail slots or similar openings. The door and frame shall bear an approved label or other identification of the service conducting the inspection of materials and workmanship at the factory during fabrication and assembly.

As you can see if you do not pick up on the words "not less than 20-minutes" you might think that the requirements are met with a 20-minute door. The fact is that "not less than" means the minimum requirements. There are other sections of the code that requires higher ratings. The word "All" tells us that every door shall meet these requirements. See Chapter 3 for other doors and requirements for occupancy separation and that is fire resistive construction requirements provided to separate incompatible occupancies, such as a classroom and a storage room. In a school building that has a rated corridor with a classroom on one side and a storage room on the other, the corridor wall already being rated makes a natural place to separate the occupancies. The difference between a one-hour corridor and a one-hour occupancy separation. There is no mention of positive pressure in this section. The fact that it opens onto a corridor is what drives the positive pressure requirement because the wall is a corridor wall also.

Occupancy separations come in four hourly ratings, each specifying the opening protection required. A one hour occupancy separation wall requires one hour doors, two hour occupancy separation walls requires 90 minute doors and three hour separation walls require three hour doors any of which may fall on a corridor wall in which case Section 1004.3.4.3.2.1 applies. The last is a four-hour wall and there are no allowable openings in a four-hour wall.

There is one more section in this code worth noting: UBC Section 308.2. This section talks about construction of a smoke barrier. Within these requirements there is a requirement there is a reference to Chapter 10 which in a roundabout way gets you back to the positive pressure requirements of Section 1004.3.4.3.2.1.

the real world

By Ed Loy, CSI, CDT

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the CALENDAR

Portland Chapter CSI Events

2002

Join us the second Tuesday of the month— except as noted for special events!

- Oct. 24** *CSI Celebrates Architecture Week*
NOTE! Special Thursday Event!
Robert Campbell, FAIA,
“It isn’t so much individual buildings as it is uncontrolled settlement patterns that are eating up the Earth. Designers and architects are well placed to understand the issues.”

AND— Joining us will be CSI National President Phil McDade and the Executive Committee. Come and meet these influential people with your questions and comments.

Special Location: Portland Art Museum
Sponsor a Table-for-8 \$360
Includes special reception with Mr. Campbell.
Individual reservation: \$50
(Dinner Lecture 1.5 HSW)
See front and back covers for details.

- Oct. 25** Reception with CSI National Leaders at the Convention Center Skyview Terrace, 6:00-7:00pm.
- Nov. 12** **Constructability & Sustainable Design**
The real story on site when the focus shifts to sustainable products, methods and results.
(Dinner Meeting 1.5 HSW)
- Dec. 10** **Holiday Party — It’s a Mystery! Murder by Construction**
Who, how and why? It could be anyone!

2003

- Jan. 14** **Risk Control: Shifting Liability and Rising Costs**
- Feb. 11** *CSI Celebrates Engineering Month*
MasterFormat: How it is changing and the way it will affect you.

- Mar. 12** **Skin Design**
Skin is in, and the Seattle Central Library has plenty of it.

- Apr. 8** **ADA and the Public Rights**
The American Disabilities Act is undergoing changes that continue to impact design and construction in public places.

- May** **Portland’s Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair and our very special guest.

Region & National CSI Events

- Oct. 24-27** **National CSI Board**
Meeting will be held in Portland, OR
See page 5

2003

- Apr. 9-11** **The CSI Show at CONSTRUCT AMERICA, Chicago, IL**
Plan now to attend!

- June 26-28** **CSI University Philadelphia, PA**

For more information, call the CSI office: 503-297-2162.

Other Events

2003

- Aug. 20-23** **AIA Regional Convention**
Oregon Convention Center

ABBREVIATIONS

LU’s — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

PRSG Product Rep Share Group
•Randy Tessman 503-318-8046 (meets 12-1pm, Rodda Paint, 321 S.E. Taylor)

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predicator*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

CSI National Leaders Come to Portland

You are invited to a special reception
Friday, October 25, 2002 at the Oregon
Convention Center Skyview Terrace
from 6:00 to 7:00 p.m.

National CSI Board and Executive Com-
mittee will be conducting its fall meeting
in Portland, and extends a cordial invita-
tion to Chapter members and a guest to
join them on Friday evening.

You'll have the opportunity to meet the
leaders elected nationwide and the folks
who were elected by fellow members
within their regions.

Let's take advantage of this opportunity for
a **good party** with the National leadership
and impress them with the vitality of our
Chapter!

Please RSVP to our executive director,
Inge Carstanjen, at 503-297-2162,
Fax 503-297-3183 or e-mail to
inge@portlandcsi.org.

Meet in the Holladay Street Lobby of the
Convention Center where we will be
greeted and taken by a special elevator to
the Skyview Terrace.

See you there!



Advancement
of Construction
Technology

perky's notes

By Perky Kilbourn, CSI

A Compilation of BS!

The first draft of all of Ken Searl's columns
as Portland Chapter CSI President and his
columns of "BS by KS" have been
collected and are available for review.

If you would like a copy - please send \$20
to Perky Kilbourn at 3178 S. W. Fairmount
Blvd. Portland, OR 97201.

The \$20 covers the cost of duplicating
twenty-eight years of Ken's columns from
1974 to 2002. Please call Perky at
503-244-1778 if you have any questions.

Thanks!

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SSG Meeting Information!

There are usually two SSG meetings each
month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share
Group attendees approximately a week
ahead of each meeting. If you do not
currently receive the announcement and
wish to, send an e-mail message to either
Michael Madias
(mike@beautifulbuildings.com) or
myself (david@thomashacker.com).



**Spec Writers' Roundtable:
Nightmares, headaches and
other irritations...**

I believe I once jokingly referred to the Specifiers Share Group as a support group for unappreciated spec writers—a pity party! Well, if you have ever attended one of the SSGs you know it is anything but that.

These are not people who need their hands held! Your average specwriter is an individual with tons of experience in design and construction who often embodies the office's shared professional knowledge, its history of successes and failures, and who knows the "dos and don'ts" of a good practice. Ever since my entry into this aspect of the architectural trade I have been impressed with the depth of insight represented by my fellow spec writers. And they are a fun bunch, too.

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Our topic on September 12 probably brought us as close as we will ever come to a gripe session. We focused on some of the challenges and particular activities undertaken by the specifier in the role of chief editor and writer of the Project Manual. Here are some of the topics we covered and what was said about them:

Division 1 (General project requirements)

Although some large—usually institutional—Owners have ready-made Division 1 documents, most of the spec writers attending said they normally get involved with the development of this part of the Project Manual. This involvement can range from minor editing of the Owner's standard to crafting a very project-specific Division. Most participants felt that the Owner and other project participants (not to mention the resulting building) were best served when the Architect had control of this Division and could properly coordinate the requirements with the rest of the Manual. However, the content of this Division relies heavily on infor-

mation from the Owner and others, so one of the hurdles the spec writer must overcome is how to get it out of them. AIA has some questionnaires designed for this purpose but some offices have developed their own questionnaires. Susan Wurdeman (Sienna Architecture Company) shared with the group two questionnaires, one for the Owner and one for the office's assigned Project Manager.

Reverenced Standards

There are thousands of standards (for materials, methods, performance, testing, etc.) that are specified to help achieve the quality of the finished construction. These are usually listed in appropriate places throughout the specifications. The specifier should know that the right standard is being applied and that the referenced copy is current. Yet, it is virtually impossible to memorize the names and numbers of all these Standards, let alone their specific contents. The leading Standards for construction publish huge compendia of their standards, but they are very expensive (\$700-900). It is not feasible for every office to have its own complete copy. So, how do you stay current? Do one or more of the following:

- Subscribe to a "master" specification software that keeps standards updated (SpecLink updates sections quarterly; MasterSpec updates on a 2-5 year cycle)
- Get your sections reviewed by a product rep or by a trade association to verify current standards
- Research the current standard via the standards' website (ASTM, ANSI, UL, etc.). You can usually read a brief on the standard and, for a price, download a complete individual standard.
- Always include the clause "current edition" to erase any doubts
- Develop a binder of the most common standards and keep them current

Coordination with Consultants

Many of those attending mentioned using a guide sheet of some kind to consultants to indicate the standard page format, font, headers and so forth. A common coordination task is getting the consultants specifications to refer to the correct cross-referenced section, particularly in Division 1. It is a good idea to give consultants updates of the Table of Contents so they have the Section titles and numbers at hand when they are writing their sections. Susan had a handout sheet on consultant coordination task also.

Related Sections

This is an interesting one and probably could use an entire discussion. "Related Sections", following the Summary are generally used to inform the Bidder of other materials or work that may be covered elsewhere or materials specified elsewhere that may need to be incorporated into the work of the Section being looked at. Use of "Related Sections" is an attempt to aid the Contractor and make the work flow better, but it also conflicts with some basic spec-writing rules-of-thumb. One of those is that specification Sections are not intended to dictate or control how the work is assigned to subcontracts. The second is not to use a structure or language that introduces the possibility of error if it is not followed consistently and completely. When we surveyed the room, roughly 75% of us thought the use of "Related Sections" was not a good idea, but roughly the same percentage, in actual practice, used them.

Miscellaneous other related topics...

We also discussed Schedules (we were split between firms that put them in the Drawings and those that bound them into the Project Manual); the use of Drawing notes keyed to Specification Section numbers (opinions varied-surprize!-with some firms moving in that direction and one firm that had been doing them switching back to "old fashioned notes with words."

The balance of our time was spent swapping stories about hiding secret messages somewhere in the specs to find out if they are actually getting read. I liked the one where various scores of famous sports events were inserted here and there. When the architect got an RFI and the architect knew the answer resided in the specs near a score, before he would respond to the RFI he asked the Contractor to tell him the score.

Portland Chapter CSI Renewing Members August 2002

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Tim Cockburn, CSI, CDT
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Jim Young, CSI

the **REGION NEWS**

FUN AT THE REGION LEADERSHIP CONFERENCE
SEPTEMBER 14-15, SEATTLE



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the **REGION NEWS**



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This is the last of a five part series. See the September issue of The Predicator for the previous four parts.

Abdicating Responsibility, part 5

As long as there are owners willing to pay for good architecture, there will be a need for good architects. But, if the trend toward design-build continues, many architects will find themselves essentially working for contractors. For many, this will create a conflict that will be hard to overcome. The architect's education typically is focused on providing what is best for the building owner and occupant, who is not necessarily the same as the person who is paying the architect. When a developer asks for a building that will last just long enough to turn it over to someone else, the architect must set aside concern for the occupant and deliver what the developer wants. In the same way, an architect who works for a design-build firm will find it necessary to do what that firm decides is best, rather than what is best for the occupants. If the architect is the stronger partner of a design-build firm, it would still be possible to design for the owner, but it appears that most design-build firms are led by contractors rather than architects.

By providing less and less of *total* design - direct client interface, problem analysis, programming, evaluation of energy and operating costs, selection of products and systems that will predictably perform as required, complete coordination of construction documents, participation in contractor selection, frequent site visits, commissioning, and post-occupancy evaluation - architects have been gradually diminishing the essence of the profession.

Wise owners may well recognize the potential conflicts and lack of checks and balances in design-build, and compensate by hiring independent estimators to make keep the project on budget, independent representatives

to oversee the work, and commissioning agents to make sure the completed project is what was promised. The result of this shift of services away from architects is that they are becoming little more than glorified artists/CAD technicians, the difference being that claiming to practice architecture makes one legally responsible for the outcome of the project.

What is the future for the profession of architecture?

The interesting thing about many of the new services and delivery systems we have discussed is that, with the exception of design-build, they have little liability compared to that borne by architects. They are not licensed or regulated in the same way as architectural and engineering services, nor are they financially responsible in the same way as a prime contractor.

To be fair, it must be said that those who offer these services to the owner are not out to do in the architects. They are merely filling voids left as architects have retreated from the responsibility for total design.

Can architects dig in their heels and reclaim what they have lost? Or is it too late?

Is it even possible for architects to regain the status of master builder? Given the continually increasing number of construction products and methods, can any one person or firm really understand all that goes into a building?

As is usually the case, making no decision will let the issue resolve itself, and the way things are going, the result will not be a pleasant one for architects. If they are not going to try to reverse the trend, architects must at least begin to find ways to shift legal liability to those who are taking on more and more of the architect's traditional work.

Portland Chapter CSI Technical Committee Announcement

The Portland Chapter Technical Committee announces an opportunity for involvement from all chapter members on the following publications that the Institute is working on:

1. The 2nd draft of the revised Masterformat is now ready for comment. As you may know, the proposed Masterformat will contain up to 44 Divisions with open numbers for future expansion. Divisions 2, 15, and 16 are particularly affected. It is not too late to make our thoughts and comments heard, and to tell the Institute what we think.
2. The OCCS (Omniclass Construction Classification System) is a new effort to organize the entire universe of knowledge within the North American A/E/C industry, throughout the full life cycle of the built environment, from conception to demolition. It is intended to be the basis for organizing, sorting, and retrieving information, and will be constantly evolving to include future ideas, tools, and information. To realize this daunting task, the OCCS Development Committee will rely on the commentary and participation of interested individuals and organizations.
3. The Institute is updating the CSI Glossary of Terms that will involve going through most of CSI's documents to review commonly used and accepted terminology. Here is another opportunity for members to make their voices heard.

If any of these items are of interest to you, please contact the co-chairs of our Technical Committee, a.k.a. Specifiers Share Group. Their names and e-mails are found at the end of the "What Do You Say" column found on page 6 in this issue.

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september project tour - adidas village



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Photography by Denise Carpenter

the NEWS FROM THE INSTITUTE

Industry Trends

Architects Increase Focus on Security, AIA Survey Says

According to a survey by the American Institute of Architects (AIA) of its members, many clients have made building security an even higher priority since last year's terrorist attacks. Of the 400 members surveyed between Aug. 19 and Sept. 3, 55 percent have noticed an increase. And 46 percent said at least one client has asked for more security features to be implemented in existing buildings or building designs.

Forty-eight percent of those surveyed said they believe that buildings are better protected against terrorist attacks than they were a year ago. However, 57 percent said that Sept. 11, 2001 has not affected their approach to their work, their clients, or staff.

The AIA's executive vice president and CEO, Norman Koonce, FAIA, said, "This survey shows that owners are placing building security at the top of their list of design criteria."

—Information from www.archrecord.com, Sept. 13.

National News

Pentagon Memorial Competition Draws Nearly 2,500 Worldwide Registrants

Almost 2,500 individuals or teams registered to submit designs for a memorial to the Sept. 11 victims who lost their lives at the Pentagon.

"We are thrilled with the global response," project manager Carol Anderson-Austra said. "People from all 50 states, the District of Columbia, Puerto Rico, and about 50 countries on all inhabited continents have registered for this competition."

A panel of judges is scheduled to choose five finalists in October. After the designers develop

their concepts further, one of the five finalists will be selected as the winner in December.

The panel includes former Defense secretaries Harold Brown and Melvin R. Laird; Lynne Cheney (Vice President Dick Cheney's wife); landscape architects Walter Hood and Mary Margaret Jones; University of Virginia's architecture school dean Karen Van Lengen; and Wendy Chamberlain (a victim's family member).

Up to \$2 million in federal money and private donations will fund the memorial. The U.S. Department of Defense is sponsoring this competition, and the U.S. Army Corps of Engineers is administering it.

—Information from <http://memorialcompetition.pentagon.mil> and www.archrecord.com, Sept. 13.

Complex Audits Hinder Ground Zero Contractors from Collecting Payments

When two hijacked planes slammed into the World Trade Center's Twin Towers on Sept. 11, 2001, most construction companies that rushed their equipment, workers, and management to the site did so without first stopping to consider permits, schedules, risk, or compensation. Their resources were desperately needed at the time-to search for possible survivors and to remove the debris from the site-so they responded.

But a year later, companies trying to recover costs are feeling the impact from their rapid response. Though the process of payment has been erratic, as some companies have received their entire payment while others have received less than half, New York City officials hope the massive reconciliation of the Ground Zero cleanup will be complete by year's end. Already about 85 percent of the estimated \$500 million cleanup job has been paid.

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Since the completion of debris removal the city's Department of Design and Construction (DDC) has focused on recreating the project's paper trail and receiving the Federal Emergency Management Agency's (FEMA's) final reimbursement. Because of this project's size and complexity, that is no small task.

DDC and KPMG (the specially hired auditor) are expected to reconcile the paperwork by year-end. Auditors are busy verifying records and ensuring overcharges and any rumored bogus claims are caught. Once the paperwork is complete, it will be turned over to FEMA; officials say FEMA will then review it, reimburse New York City for payments, and close out the project.

-Information from <http://enr.construction.com>, Sept. 9.

Institute News

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Education Tracks for The CSI Show™ at Construct America™ Announced

The Institute's Convention Program Task Team has finalized the education sessions to be held at The CSI Show at Construct America on April 9-11, 2003 in Chicago. Traditional education sessions will be offered, along with special exhibitor seminars and the return of expo education sessions in the exhibit hall. Together, there will be plenty of opportunities at The CSI Show for you to earn Continuing Education Units (CEUs), Education Contact Hours (ECHs), and Learning Units (LUs) to support your state licensure, certification, and membership credentials.

The education tracks at CSI 2003 will include:

- Design and Specifications,
- Products and Technology,
- Processes and Implementation, and
- Feature Presentations.

Don't forget that The TFM Show™, which will co-locate at Construct America with The CSI

Show, will offer its own slate of continuing education sessions. For an additional fee, CSI Show registrants will also be able to attend these sessions.

To find out more about the specific education sessions to be offered, visit www.constructamerica.org.

the **FINE PRINT**

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

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Kuykendall Marketing Services
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Printer: Echo Printing

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www.portlandcsi.org

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Webmaster	Rand New, CSI, CDT.....541-688-5594

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	Dan Graham, CSI, CDT.....907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	Andrew Estep, CSI.....206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	Perry White, CSI, CDT.....1-800-344-8042
Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
Portland, OR (Second Tuesday)	Jim Wilson, CSI, CCS.....503-222-1917
Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
Idaho, Boise, ID (First Tuesday)	Jon Farren, PE, CSI, CDT.....208-429-1309

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THE PREDICATOR

315 SW 4th Avenue
Portland, OR 97204-2342

Address Service Requested

October 2002



ROBERT R. KLAS CSI
STOA INT'L - EKA
6775 SW 111TH AVENUE SUITE 20
BEAVERTON, OR 97008

"It isn't so much individual buildings as it is uncontrolled settlement patterns that are eating up the Earth. Designers and architects are well placed to understand the issues."

**Robert Campbell, FAIA and
Pulitzer Prize-Winning Architecture Critic**

Thursday Evening, October 24, 2002

Event Location

Portland Art Museum Grand Ballroom

Event Timing

- 5:30pm Special Reception with Mr. Campbell,
Table Sponsors Only**
- 5:30pm No-Host Social Hour**
- 6:30pm Dinner by Jake's**
- 7:30pm Robert Campbell Lecture**

Cost: Table for 8: \$360, Individual Seat: \$50

**Fax your reservation no later than
Oct. 22, 2002 by 5:00pm to (503) 297-3183.**

Checks should be mailed to: CSI, 9578 SW
Morrison St., Portland, OR 97225.
If you have a question, call the CSI Portland
Chapter office at 503-297-2162.

Name: _____

Company: _____

Telephone: _____ Fax: _____

Guest(s): _____

Payment Method: Check Visa MasterCard

Amount: _____
((\$50.00 per person — Sponsor a Table for 8 only \$360)

Student: _____ (No Charge)

Cardholder Name: _____

Cardholder Address: _____
(complete billing address, including zip code required)

Card Number: _____ Expires: _____

Authorized Signature: _____

the PREDICATOR

improving the process of creating and sustaining the built environment

Sustainability sounds good - What does it cost?

TUESDAY NOVEMBER 19, 2002

By Tom Coffey, CSI

Sustainable Development has evolved into a potent market force. Influenced by public policy, consumer and client behavior, and technology advances, sustainability is starting to define a global way of life for the design and construction industry. But when measured in terms of economics, are we financially ready to embrace sustainability and all its promises?

The process of building design and construction is changing to meet these challenges. New tools are being built to measure sustainability's cost impacts along with cost savings. Front-end vs. life cycle costing, quantitative and qualitative costs and benefits, life cycle economics ... where will it all LEED?

Join us on **November 19** when **Dorothy Payton, Architect and Sustainability Consultant**, guides us in a panel presentation and discussion of this complex issue.

General Contractor — **Bart Ricketts, Lease Crutcher Lewis**, currently working on 5 sustainable projects including the Lillis Business Complex at U of O.

Consulting Engineering — **Bob Schroeder, GLUMAC International**, Portland Office, mechanical and electrical engineering designers on sustainable projects.

LEED Consultant — **Alan Scott, PGE Green Building Services**, expert on cost impacts of LEED certification and sustainability.

Cost Consultant — **Jim Jerde, Architectural Cost Consultants LLC**, predicting project costs for new technologies and innovative building methods.

Sustainability Consultant — **Scott Lewis, Brightworks NW**, providing a legal and business view as consultant on Brewery Blocks and the North Macadam project.

Bring your questions and comments while we address the critical issues:

- Who really benefits from sustainability and who pays the bill?
- What is the difference between cost and value?
- What role does "common sense" play in this process?
- How do rebates work, how are they allocated and what affect do they have on design?
- Does setting high sustainable standards create economic opportunities or barriers?
- When operating cost and payback expectations aren't met, who is liable?

Princeton Building—614 SW 11th Avenue
\$30.00 per person—sponsor a table for 8 for just \$220.00
5:30pm Meet Your Colleagues in the Ballroom
6:30pm Dinner, Catered by Jake's
7:30 to 9:00pm Panel Presentation

Register today! See the back cover for all the information.

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VOLUME 42, NO. 4

Portland Chapter CSI
Monthly Newsletter



president's message

By Jim Wilson, CSI, CCS, AIA



"Doing this stuff makes my sometimes boring job more fun!"

While lots of folks are just starting to plan those wonderful holiday events we will all be going to in another month, CSI is washing the china and putting Grandmother's crystal back in the sideboard. For many reasons Architecture Week '02 proved to be a major production and a great success. As though the

fabled planetary alignment occurred for us, our traditional Architecture Week program coincided with the Institute Board and Executive Committee fall meetings planned for Portland.

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By Columbus Day, with Robert Campbell's lecture less than two weeks away I thought things were looking closer to 1962 than the success we had. Lots of participation on the Programs Committee and especially the hard work of Jody Moore, Scott Dicker, Doug Allen and others who got table sponsors signed-up made the difference. We had one of our largest turn-outs ever and attracted a lot of non-members. All this combined to make a very favorable impression on our out-of-town guests. Additionally, we were able to have our speaker visit both Portland State University and University of Oregon architecture students and have a two-hour meeting with METRO Councilor Rod Park. It was a lot of fun, and it was a lot of work.

Back on Oct. 14th when things were looking more like a Columbus Day Storm I was indeed asking myself why take-on all of this extra work? Now of course I have the answer. One, more hands indeed lightened the load. Two, the experiences gained were worth all of the extra effort. Without participating in CSI there is no way in my career that I would have had the opportunities and experiences of this past week, and who knows what new things will come from them? The greatest value is not playing the host to a renowned person, nor the many people I met along the way. The greatest value is the capabilities I have developed by helping produce such events.

I would like very much to be a more effective representative for my firm; be a real marketing resource; know that I contribute substantially to attracting clients to our practice. I've not yet seen an interview team that included the spec writer - while the specifications do indeed contribute to the end product they are not very crucial at the outset when the client is selecting the firm they want to work with. If you are not needed in the interview, and you do not see a great deal of client contact over the course of a project how can you get experience that would make you better at marketing, and how can you get in front of prospective clients? Being active in CSI has given me these opportunities! Yes it takes time, but not all of your time. It requires commitment. I've been active for ten years now, but the rewards have only grown greater with continued participation. It requires effort and there are some risks involved, but there will be others who will help out. Just as the rewards grow so too will friendships with those you have worked with, and a strong network of friends can be a powerful resource indeed. And it can be fun, the quote at the start of this is from a Programs Committee member, and I have had the same experience myself - this work can re-energize you and I have found it will give back more than it requires.

In addition to the people who understand the value of participation in CSI there are the firms that know the value of contributing financially to support the Chapter's efforts. A particular thank you is due Hoffman Construction Company who, year after year has helped the Portland Chapter in many ways, and did so again this year by providing us with the use of the Portland Art Museum's Grand Ballroom - a most impressive space. DeaMor Associates also made a very substantial financial contribution for this event, yes and they buy a booth at the Products Fair and helped as sponsor of the Golf Tournament, and... well thanks to both firms. Finally, thanks are due to each of our table sponsors: Otis Elevator Company, Ankrom Moisan Associated Architects, Hanset Stainless Steel, Inc., Zimmer Gunsul Frasca Partnership, Dull Olsen Weekes Architects, PC, GBD Architects Inc., Opsis Architecture, LLP, DeaMor Associates, University of Oregon Portland architecture program, Portland State University Department of Architecture, SRG Partnership pc and AIA/Portland.

BS by KS - basic specs

By Ken Searl, FCSI, CCS

I was reading an earlier CSI Portland Chapter Newsletter "The Predicator" dated February 1975 and in my article on page 6, I stated: "In closing there is one thing I feel very bullish about, and that is using the words "or equal" or "approved equal in your specifications." My strong advice is never use these rascals. Use such words as "approved" or "Architect approved". This gives the architect and specifier control over substitutions without having your neck stuck out the proverbial ten feet. Another item that caught my attention was in the 1974 Chapter Presidents Column I jokingly stated the following: Also in closing, I hereby insert my standard weasel clause: The statement and opinions listed above are my own, made under no coercion and in apparent sound mind do not necessarily reflect the opinions of the Construction Specification Institute, my employer or my wife. (How the heck did my wife get in there?) My comment regarding above mention of "equal" or "approved equal" I have been harping about that for many years. I note when reviewing specifications at Plan Centers these words show up less often but every now and again they do appear in contract documents out to bid. It just goes to show you that once something is used it is very difficult to change. A point in case is that some specifications still call for a 2 inch sand layer and 6/6 X 10/10 wire mesh reinforcing over a vapor barrier/retarder under an interior concrete slab on grade. Why they ever called for them in the first place is beyond me.

I reading through some of my old President's Columns when I was Chapter President for two years it brought to mind I have not only written 287 BS Columns plus this one. Now that is a lot of BS but I also wrote 20 Chapter Presidents Columns. Now if I had just been paid at least ten dollars each for all these columns, I would be wealthier today. Ha! I did receive a compliment (I thought so) from a CSI member I met at a CSI Convention. He told me I wrote the best BS Column he had ever read.

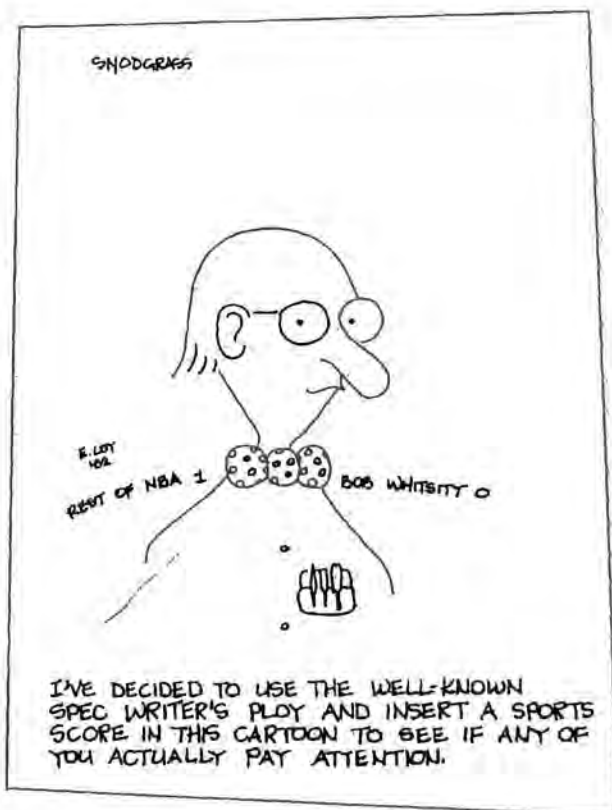
Have any of you received an Email from a person residing in the Netherlands or other places and formerly from Zimbabwe entitled: "CONFIDENTIAL BUSINESS PROPOSAL"? I have received three so far from different addresses and names. The person wants you to help move thousands of dollars out of South Africa or other places. I have no idea if these are scams but they do appear that way and I

certainly wouldn't want to be a part of their proposals. I guess you agree with me that our Email brings us many strange communications. One should be most wary of such proposals. In closing I would be glad to receive items of interest from you folks to place in future BS Columns.

the real world

By Ed Loy, CSI, CDT

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the CALENDAR

Portland Chapter CSI Events

2002

Join us the second Tuesday of the month—except as noted for special events!

Nov. 19 **SHOW ME THE MONEY!**
The Costs of Sustainable Building
See cover and back page for easy registration.
(Dinner Meeting 1.5 HSW)

Dec. 10 **Holiday Party — It's a Mystery!**
The Blueprint of a Murder
Who, how and why? It could be anyone!
See page 5 for more clues.

2003

Jan. 14 **Risk Control: Shifting Liability and Rising Costs**
John Baker and our panel will address this very hot concern of everyone in our business.

Feb. 11 **CSI Celebrates Engineering Month**
MasterFormat: How it is changing and the way it will affect you.

Mar. 12 **Skin Design**
Skin is in, and the Seattle Central Library has plenty of it.

Apr. 8 **ADA and the Public Right of Way**
The American Disabilities Act is undergoing changes that continue to impact design and construction in public places.

May 13 **Portland's Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair and our *very special guest*.

Region & National CSI Events

2003

Apr. 9-11 **The CSI Show at CONSTRUCT AMERICA, Chicago, IL**
Plan now to attend!

June 26-28 **CSI University**
Philadelphia, PA

For more information, call the CSI office: 503-297-2162.

Other Events

2003

Aug. 20-23 **AIA Regional Convention**
Oregon Convention Center



**Advancement
of Construction
Technology**

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of
The Predicator, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the **ANNOUNCEMENTS**

Attention all CSI partie(r)s!

We need your help on December 10, 2002 at the Princeton Ballroom to solve the ultimate construction whodunit.

The Blueprint of a Murder

Leading us will be the
Internationally-renowned
Eddie May
Murder Mystery Dinner Theater

You are part of the cast when you come out and play for an evening complete with sidesplitting comedy, mystery, mayhem and murder.

WARNING: YOU COULD DIE LAUGHING!

North America's longest running and largest audience participation mystery dinner theater, Eddie May is critically acclaimed for entertaining American Troops around the world.

Eddie May is dying to give YOU and your guests The Crime Of Your Lives right here in Portland, Oregon!

THE PRINTS ARE BLUE! WEIGH THE EVIDENCE AND HELP SOLVE THE CONSTRUCTION OF A MURDER!

Mark your calendar now and line up your smartest friends to help solve the mystery ***Tuesday, December 10, 2002.***

Dine and play over cocktails, dinner and murder (*Served Hot!*) and see if *you* can figure out **Whodunit!**

THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

- Exhibits
- Technical Education
- General Sessions
- Networking Events
- CSI Annual Meeting & Member Forum
- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

The CSI Show™ will co-locate with The TFM Show™ in 2003 at the debut of Construct America™. Attendees may take advantage of two trade shows, side-by-side, with the ease of registering to attend only one show.

For more information about Construct America™, please visit www.constructamerica.org.

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Chapter Dues for September 2002

Joseph F. Bolkovatz, CSI	Nickie L. Logan, CDT
Marjorie S. Chang, CSI	Corey L. Morris, CSI
Laurence Chew, CSI, CCS	Randal A. Nicklas, CSI
James L. Cundiff, CSI	Jack O'Brien, CSI
Gary Geppert, CSI	Gregory Allan Seeley, CSI
Klaus P. Gibson, CSI	Les Seeley, CSI
Bette-Jean Holgate, CSI	David Shelman, CSI, CCS
Ken Jensen	Arlen F. Stanek, CSI
Kaye Kloster, CSI	James M. Sullivan, CSI
Mark LaFarge, CSI	Patricia Vockler, CSI
Dennet Latham, CSI, CCS	

CSI Certification

FOR PERSONAL & PROFESSIONAL GROWTH

By Scott Dicker, CSI, CDT
Certification Chair

You're ambitious, with a thirst for acquiring the best skills. You recognize the importance of continuous learning to maximize your knowledge, optimize your options, and boost your Career. You have the self confidence to invest in yourself.

You want to join a select group of individuals with the CDT designation after their names, and receive the industry-wide recognition and respect that goes along with it.

It's the foundation you need to acquire a solid grounding in the construction process. It's the cornerstone of CSI's certification series: the prerequisite you need to achieve your Certified Construction Specifier, Certified Construction Contract Administrator, or Certified Construction Product Representative. It's the real work continuing education you need to spark your career. Are you ready to move up?

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Top 10 Reasons to get your CDT?

1. Establish your professional credentials
2. Earn industry recognition
3. Sharpen your competitive edge
4. Improve your skills and knowledge
5. Boost your earning potential
6. Improve communication among team members
7. Show your commitment to excellence
8. Build your confidence
9. Prepare for greater on-the-job responsibility
10. Complete the prerequisite for achieving the CCS, CCCA, or CCPR

The Construction Document Technology Program provides a comprehensive overview for anyone who writes, interprets, enforces, or manages construction documents. Project architects, contractors, contract administrators, material suppliers, and manufacturers' representatives are all realizing the advantages of being Construction Document Technologists. By being able to understand and interpret written construction documents, CDT's perform their jobs more effectively. By understanding the roles and relationships of all participants, CDT's improve

communication among all members of the construction team.

The CDT is quickly becoming a vital employment credential, because in today's information-based work place, it really is what you know that counts. The CDT program focuses on honing the skills and acquiring the knowledge essential for today's competitive work place.

The Construction Document Technology program is the prerequisite for the Certified Construction Specifier (CCS), Certified Construction Contract Administrator (CCCA), and the Certified Construction Product Representative (CCPR) programs.

- CCS recognizes the specification and document preparation excellence.
- CCCA builds expertise in the construction process, contractual relationships, and construction contract administration procedures.
- CCPR teaches the role of each building product decision-maker, effective product representation, design specifications, and construction documents.

IMPORTANT DATES AND COSTS

April 5, 2003 - Exam in Portland, OR

Register by December 1, 2002

CDT: Members \$165, Non-Members \$275

CCS/CCCA/CCPR: Members \$220, Non-Members \$330

Register December 2, 2002 to January 31, 2003

CDT: Members \$220, Non-Members \$330

CCS/CCCA/CCPR: Members \$275, Non-Members \$385

Register online: <http://www.csinet.org>

The above costs are for the exam only.

PORTLAND CHAPTER TO HELP CANDIDATES PREPARE FOR EXAMS

The Portland Chapter will be conducting a series of classes after the new year to help Certification candidates prepare for the exams.

Please watch for information on costs and schedule in up-coming issues of *The Predicator*. To be sure you don't miss out, please give Scott Dicker a call at 503-572-9835 or e-mail scott.dicker@otis.com to indicate your interest.

By Mike Madias, CSI, CCS

Dave Shelman was out of town, so this month we are featuring the Specifier Share Group Co-Chair Mike Madias.

At our October 10th meeting we invited several guests to help discuss joints in concrete slabs and what to do with them. Initiating the discussion was Randall Weir of Degenkolb Structural Engineers who informed us of the American Concrete Institute's attempt to standardize joint nomenclature. What some of us have been calling "control joints" to control random cracking are more properly termed "contraction joints." An "isolation joint" is still the correct term for separating a structural element such as a wall or column from the adjacent slab. This would also be the joint to use around a pad for vibrating equipment. When the pour is interrupted, a "construction joint" is used. Keyways are one type of construction joint, normally used in slabs at least 6 inches thick, but are not recommended for vehicular loads. In this case, steel dowels are appropriate.

To minimize slab edge curling, Randall suggested using more construction joints or installing a post-tensioned slab. And he stressed the need for following recommended curing procedures to reduce cracking.

Our next speaker was Greg Whitaker of Whitaker/Ellis Contractors, a concrete placement and finishing company. He agreed with Randall's comments, but wondered if fewer joints would result in reduced edge curling. He continued with some observations from his field experience, noting that ACI discourages the use of so-called "checkerboard" pours on large projects. As the name suggests, imagine on Monday that all the "black" squares are poured. On Tuesday the "red" squares would be placed. Apparently the protruding steel rebars restrain the natural shrinkage that occurs during curing. Greg asked our group why we would specify saw-cut (contraction) joints if the slab will receive a wood floor, such as a gymnasium? "Out of habit" is the best we could come up with. He spoke of a new product he has had good results with called a "diamond dowel," a square piece of steel plate placed at an angle to a construction joint to hold the joint together in thicker slabs. When contraction joints are necessary in exposed slabs, they should be filled with a semi-rigid epoxy.

Finally, we heard from Jerry Van Scoy, our generous lunch-provider and a Share Group member, and a couple of flooring contractors. Jerry represents the local trade association for floor covering contractors, and instigated this topic when he shared with me some questions he has received from some flooring installers. For example, ASTM F710 and most manufacturer instructions say do not cover isolation joints with resilient flooring. O.K., then what do we use? This is a good question without a comfortable answer. In practice, these joints usually get covered up with the flooring material for aesthetic and maintenance reasons. This is what the owner or the architect want to see. But it leaves the installer in an awkward position.

Our installer guests, John Bieler of Floor Factors and John Duty of Don Frank Co., also had questions about cracks and differential settlement. But their most vocal issue regarded saw-cut or "contraction" joints. Specifically, who fills the joint? Many of the project manuals they have to bid with are very fuzzy in this regard. As specifiers, we attempt to cover this issue in one or more sections, such as 03300, 07920, and 09650. But we shouldn't expect the concrete finishers to do this work; they'll be long gone when it's time to fill the joint. If we feel that joint-filling is part of flooring preparation, then we need to make that clear in 09650 so that flooring contractors can include it in their bids. But because they are not trained in applying materials such as semi-rigid epoxy, they would then sub-out this work to a sealant contractor. This seems to be the most logical approach. So spec writers, let's remember one of our C's...Be CLEAR!

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SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

portland chapter csi forms partnership to reduce waste

Portland Chapter CSI is teaming up with Metro to reduce the impact the construction industry has on our region's landfills. Metro, the regional government best known for managing growth issues in the greater Portland area, also manages the region's waste and recycling programs. Metro has committed substantial resources to forge working partnerships with the region's construction industry to improve recycling efforts in this sector.

"One of the reasons for focusing on the construction industry is that there is tremendous potential in this sector for reclaiming and reusing materials that otherwise go to a landfill," says Bryce Jacobson, CSI, an associate planner in Metro's Regional Environmental Management Department. Jacobson also is the project manager for the new outreach program. "There is a growing awareness in the design and construction industry of the benefits of *building green*, and the cost savings that can accrue with increased recycling and salvage efforts."

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Metro has set aggressive goals for reducing the amount of waste heading to landfills in the coming years. In order for the region to meet these goals, the construction industry must reduce the quantity of landfilled construction and demolition waste by more than 50,000 tons by the end of 2005. Forging working partnerships with industry-related trade associations is just one step in a three-year strategy on Metro's part.

"In surveys of the construction industry, trade associations rank very high as important, reliable sources of information and resources for contractors," says Jacobson. "It just makes sense for us to work with these associations to support those strong relationships with Metro's resources."

Metro surveys also indicate that "lack of information" is a big barrier to contractors doing more to recycle construction-related materials. To address this, Metro is working through associations like CSI to provide all sectors of the construction industry with up-to-date information and tools to plan, specify and carry out effective waste recycling and building material salvage programs on any job site.

There are several advantages to contractors who take advantage of the tools and techniques Metro is providing:

- Gaining a competitive advantage over firms that are not recycling or salvaging.
- Becoming familiar with the recycling and salvage components required when bidding or working on LEED-certified projects or any PDC project.
- Saving money by disposing of less job-site waste.
- Complying with the Portland's mandatory construction debris recycling ordinance, and any future recycling regulations in the region

Education and information are the principle objectives of the Metro-CSI partnership. In addition to sending all Portland Chapter CSI members copies of tools such as the Construction Site Recycling Toolkit—Directory of Recycling & Salvage Options, and the newly completed Planners Guide for Construction Site Recycling, Metro will be helping Portland Chapter CSI develop new tools and programs for members, including:

- Regular features on recycling and green building issues in *The Predicator*.
- Developing educational seminars on recycling options and green building techniques for CSI Portland and its members.
- Interactive links between Metro's Web sites on recycling and the Portland Chapter CSI Web site
- Creating and sponsoring new recognition awards to honor Portland Chapter CSI members who are leaders in this area.

Bryce joined CSI and Portland Chapter in 1997.

In addition to the direct partnership with Portland CSI, Metro is providing a vital link to area agencies and organizations involved in green building practices and procedures. Metro works closely with the City of Portland's Office of Sustainable Development, the local office of the U.S. Green Building Council, and programs such as Portland General Electric's Earth Advantage program.

**You can find out more about Metro's recycling programs by visiting
Metro's Web site at www.metro-region.org**

Last week, while patiently waiting in that a.m. parking lot we call a freeway, I was listening to one of my favorite drive-time talk shows. "Not many specifiers calling in today," I thought. Caller after caller would agree with the host's comments by saying "Exactly!" - even though the stated position might be quite complex.

Our language is a rich one, with many words available to express a wide range of meaning for most ideas. In many forms of writing, this gives the careful writer a way to accurately communicate with the knowledgeable reader. A multitude of adjectives and adverbs makes it possible to express fine distinctions of meaning. In the same way, speakers with great command of language are often better at presenting their ideas than those who are obviously groping for the right words.

In casual conversation most people are much less careful in their use of words. Inaccuracies in daily discourse are usually forgivable, though, as our vocabulary is necessarily limited to those words we use most frequently. We just don't have the time for careful consideration and selection of words. Oral communication also benefits from the subtleties added by tone of voice and body language.

Specifications, on the other hand, are absolute. When it comes to compliance, there are no fine shades of meaning. Yet when reading a typical manufacturer's guide specification - or many specifications in project manuals - I have the same thought that I had while driving to work: "Not many specifiers writing today."

Elaboration is not a virtue

"Comply with installation instructions." A simple, clearly stated requirement; no question about what it means. In terms of the specifications, performance is a logical true-false question: the contractor either did, or did not, follow the installation instructions. If those instructions call for thirty things and only twenty-nine were done, compliance was not achieved.

Yet we continually see statements like "Strictly comply with...", "Install in exact conformance with...", "Completely fill with...", and "...on the

actual material specified..."

"Yeah, but it's only one word, and I want to make sure the contractor does it right." That sounds reasonable, but let's follow the logic. If the specifications require strict compliance with instructions for one product but not for another does it mean that the contractor doesn't have to follow all of the instructions for the second product?

Completion of the contract requires the contractor to fulfill every part of it. In practical terms we may consider one thing to be more important than another, but in the terms of the contract *each requirement must be fulfilled*. Each part is as important as any other - exactly, precisely, and absolutely.

—swolfe@bwbr.com on the web at www.CSI-MSP.org

the **FINE PRINT**

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THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

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THE PREDICATOR STAFF

Editor: Dianne Kuykendall,
Kuykendall Marketing Services

Photography: Randy Tessman

Printer: Echo Printing

In the December 1995 issue of *The Woman's Journal*, there was an article entitled: "Genetically Engineered Food - What Are You Really Buying at the Grocery Store?"

Some of the comments I made then are still appropriate so I am going to repeat myself. Quoting from my earlier article:

"...But are we going too far by transferring genes from one food to another food? Especially if the genes are from foods to which some people may be allergic?"

Apparently some testing has been done to determine if genetically engineered food is dangerous to an individual if the gene comes from a food to which the individual is allergic. In the July, 1995 issue of *Consumer Reports*, an article titled "Improving on Mother Nature?" reported that a seed company moved a desirable Brazil nut gene into soybeans, and found that serum from people allergic to Brazil nuts reacted to the modified soy beans. This is scary if you or someone you cook for is allergic to Brazil nuts. The Food and Drug Administration (FDA) has a policy requiring the labeling of food which has genetic material from potentially allergenic foods.

In addition to the problem of being allergic to the gene which is being transferred, there may also be a problem with the marker gene which is being transferred as well...

Do you cook for any vegetarians? If the gene from an animal is placed in a plant food then could the plant food be eaten by vegetarians? It seems to depend on who you are talking to and how they interpret the nature of genetic material...

...so the next time you go to the grocery store, stop by the produce department and see if there are any new and improved foods. If you are curious, try them. The new improved foods may contain genes from other foods, and they may taste better and be better for you. However, if you have a history of food allergies, you will want to be more cautious about buying genetically engineered food. Consumer, seek information and ask your grocer."

To update this article there was a report entitled "Future Shop - Products and Trends for the Millennium" in the January 2000 issue of *Consumer Reports*.

Suggested in the report was that in the future there will be fruits and vegetables genetically engineered to carry more disease-fighting antioxidants and farm-raised fish engineered to grow faster. The down side is that there are no safeguards to ensure against unintended side effects. Also whether genetically engineered foods will ever be labeled so consumers know what they are buying.

In the September, 1999 article in *Consumer Reports* entitled "Seeds of Change" the statement is made that after three years more than 90 million acres are covered by genetically engineered crops. "The United States government has opposed mandatory labeling, arguing that Americans aren't interested in the issue and that they have nothing to worry about anyway."

In 1999, *Consumer Reports* went grocery shopping and found that genetically engineered ingredients were present in everything from infant formula to corn muffin mix to McDonald's McVeggie Burgers. *Consumer Reports* tests by extracting DNA, multiplying the DNA and then analyzing for the presence of transplanted DNA. *Consumer Reports* said they set their threshold of detection high enough to be certain that their results signify more than mere trace levels of genetic ingredients. They also said they found the presence of genetically engineered ingredients sometimes varied from sample to sample of the same product. Quoting from their article: "This suggests that different sources of corn or soy were likely used, depending on the sample."

Since I can't test for genetically engineered ingredients I want the manufacture to label their products since my daughter is allergic to nuts and the product might have a gene that came from a nut.

It seems to me that the labels for "genetically modified food" could be similar to the ones which have been approved for "organic food": "100 percent

organic" food ... must contain only organic ingredients; "organic" food ... must contain at least 95 percent organic ingredients by weight or fluid volume, excluding water and salt; "made with organic ingredients" foods ... must have at least 70 percent of such ingredients.

For example "100 percent natural" food ... must contain no genetically modified food; "partially genetically modified" food ... may contain between 5 and 95 percent genetically modified food; "100 percent genetically modified" food ... must contain only genetically modified food.

Apparently there are companies that will certify that food is "100 percent organic," "organic" or "made with organic ingredients." I have reason to believe that if labeling of genetically modified food is required there will be companies that will do the analysis and certify that the food is "100 percent natural," "partially genetically modified" or "100 percent genetically modified." Please see Tuesday, October 22, 2002 issue of *The Oregonian*, page A2 under CAPITAL DIARY "New Labels Tell Consumers Products That Are Organic."

In the September 15, 2002 issue of *Genetic Engineering News*, Sarah Staples advised "The Canadian Biotechnology Advisory Committee (CBAC) is recommending voluntary labeling, and monitoring, of genetically modified foods in Canada, despite its acknowledgment that GMO (Genetically modified) foods pose no risk to human health... Canada is the world's third largest producer of genetically modified crops, with more than 40 approved varieties of modified corn, potatoes, tomatoes, squash and other plants. The Canadian Biotechnology Advisory Committee is planning a follow-up report on next generation products such as transgenic meats and functional foods."

These "notes" have gone on long enough but please do let me know if you have any questions.

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The following article is the introduction to the October TeamCS topic. For responses from the four members of the construction team, the Owner, Contractor, Designer, and Supplier, please go to www.csinet.org, and follow the links to Team CS.

Reverse Auction Bidding

Reverse auction bidding, where bidders for construction contracts compete in live, online bidding competitions, has gained a foothold in the United States. The process begins with an owner providing drawings and specifications to a pre-qualified group of bidders, together with instructions on how to access a Web site where electronic bids will be received. A third-party service provider then conducts an online, transparent auction with all bidders participating simultaneously.

Opponents of the practice are concerned contractors might submit inflated prices, and the owner will not receive the best price after all. Conversely, they argue, contractors might resort to cut-throat pricing in the course of the auction, ultimately compromising quality during construction as they are later forced to cut corners. Reverse auction bidding detractors also liken the practice to bid shopping, with the exception that it happens right before your very eyes and not "under the table."

Meanwhile, is it wrong for an owner to do what it takes, and employ whatever process he chooses, to secure the best value for his project? Would any of us like to be told how to shop?

In this installment of TeamCS, the columnists give their opinions on reverse auction bidding and try to figure out who really benefits (if anyone) from the perspectives of owner, designer, supplier, and constructor. What is your opinion? We know you have one, so take advantage of **Team Talkback** and tell our columnists what you think. Submit your comments to **Team Talkback** and have your say.

— Editor, TeamCS



click on icon to read column

**World Forestry Center
Event Highlights
Advances in Canadian
Building Technologies**

A half-day construction-industry seminar organized by the Canadian Consulate General of Seattle on November 13 will highlight advances made by Canadian firms in developing more energy-efficient and healthier homes and buildings.

The free afternoon event will share findings by Canadian firms, who have spent millions developing the latest solutions to mold, energy efficiency, healthy living environments and leaky buildings.

Industry experts from Canada Mortgage and Housing Corporation, Controlled Environments and Morrison Hershfield also will share their expertise and direct their discussions to the needs of builders, architects, engineers and building code specialists.

What: Building technologies seminar, organized by the Canadian Consulate General of Seattle

Where: The World Forestry Center, 4033 SW Canyon Road, Portland

When: Wednesday, November 13, 1:30pm - 5:00pm

For information about the seminar, contact Jim Sheehan, business development officer, at 206-770-4082 or by email at jim.sheehan@dfait-maeci.gc.ca.

To register, call Treena Colby at 206-770-4077 or by email at treena.colby@dfait-maeci.gc.ca.

For all other queries, contact Rudy Brueggemann, the consulate's media, cultural and public affairs officer, at 206-770-4066 or email to rudy.brueggemann@dfait-maeci.gc.ca.

the MINUTES

*Portland Chapter, CSI
Board of Directors Meeting
June 4, 2002*

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:05 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Curt Austin, Joe Bolkovatz, Denise Carpenter, Inge Carstanjen, Margaret Kehrl, Robert Schroeder, Bruce Townsend, and Jim Wilson

ABSENT: Cherie McNabb and Jody Moore

ALSO PRESENT: Lee Kilbourn and John Lape

1. TASK TEAM REPORT:

Long Range Planning – The Long-Range Planning was held April 26 and April 27, 2002 at the Ramada by the Airport. Bud Crouch was the facilitator for the meeting. BOD members reported that the meeting was beneficial and productive. Three five year goals were established for the Chapter: 1) Portland Chapter of CSI will be its members indispensable resource for leading edge education programs, services, and experiences (PSE's). 2) PDX CSI will be a recognized authoritative industry advocate, voice, and source for construction knowledge. 3) PDX CSI will be financially secure and stable through development of new diversified sources of non-dues revenue. The Summer Planning, Orientation, and Goals meeting is scheduled for Friday, July 26th.

2. COMMITTEE REPORTS:

Products and Services Fair

•The preliminary figures indicate that the fair income was approximately 14 percent lower than the amount projected in the 2001-02 budget. Final income and expense figures are expected in the next quarter.

•Portland Chapter of CSI is looking for two to three people to co-chair the Products and Services Fair. Cherie McNabb and Cornelia Gibson have jointly filled the position for several years.

•There was a motion, a second, and the resolution passed unanimously to recommend that the Programs Committee review the dinner meeting location and report their findings at the Summer Planning, Orientation, and Goals meeting.

Officers and Director Elections elected are as follows

- Secretary – Doug Allen,
- Treasurer -Inge Annelise Carstanjen
- Industry Directors – Scott Dicker and Carolyn Miller
- Professional Directors – Bob Schroder & Michael Wilson.
- Industry Directors – Joe Bolkovatz, has agreed to continue another term as an Industry Director

3. FINANCIAL REPORT:

•The BOD reviewed the proposed 2002-03 budget and adopted it as an interim budget.

•A committee consisting of John Lape, Jody Moore, Jim Wilson, Cherie McNabb, and Doug Allen will meet to review the interim budget to explore options for reducing Chapter expenses and enhancing Chapter income. The committee will offer options to the Board in the fall.

4. CORRESPONDENCE AND THE WORLD:

•The 46th Annual Convention and Exhibit will be held in Las Vegas, Nevada on June 27 through June 30, 2002. Next year the Convention and Exhibit will be held in Chicago in April.

•The Region Conference in Banff, Alberta, Canada on May 23rd through May 26th. Attendees reported that the conference was energized by the great opportunity for the Northwest Regions to interact with the members of the Construction Specifications Canada. The beautiful location and a variety of seminars added to the value of attending the conference.

•The BOD authorized Lee Kilbourn to make arrangements for Don Thomas to be approved for emeritus status in CSI.

5. APRIL 30, 2002 BOD MINUTES:

April 30, 2002 Board Meeting Minutes were read. There was a motion, second, and the minutes were approved as amended.

ADJOURNMENT: 1:20 P.M.

Respectfully Submitted,
Margaret Kehrl, Secretary

*Portland Chapter, CSI
Board of Directors Meeting
July 26, 2002*

CALL TO ORDER: Following the Chapter Summer Planning Session, the meeting was called to order by President Jim Wilson at 4:09 P.M. at the Office of SRG Partnership.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Inge Carstanjen, Scott Dicker, Cherie McNabb, Jim Wilson, and Michael Wilson

ABSENT: Carolyn Miller, Jody Moore, Robert Schroeder

ALSO PRESENT: John Lape

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1. TASK TEAM REPORT:

Long Range Planning – John Lape addressed the board with suggestions how to proceed with finding an Executive Director preparing for Inge’s planned retirement from Executive Director. After discussion the following motion was made, seconded and approved. “Approve creation of a Task team to define and secure the executive director services for the chapter, with a Proposal to the BOD by December 3, 2002. Chairman: Curt Austin, the task team will be authorized to establish budget, scope of service, create requests for proposal and to interview candidates, with the possibility of interim solutions. The Task team will update the BOD at monthly meetings of progress.”

2. COMMITTEE REPORTS:

Chapter meeting location: No resolution for alternate meeting locations at this time. Several alternate facilities are still being considered.

3. FINANCIAL REPORT:

John Lape, submitted 2001/02 financial summary for review, outlining some areas that require the BOD’s attention. A meeting was slated for August 28, 2002 at SRG’s office to brainstorm ideas to enhance chapter revenue.

4. CORRESPONDENCE AND THE WORLD:

No new topics were discussed.

5. June 4, 2002 BOD MINUTES:

Will be reviewed at September meeting.

ADJOURNMENT: 5:07 P.M.

Respectfully Submitted,
Doug Allen, Secretary

*Portland Chapter, CSI
Board of Directors Meeting
September 3, 2002*

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:05 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Scott Dicker, Carolyn Miller, Jim Wilson, & Michael Wilson

ABSENT: Inge Carstanjen, Cherie McNabb, Jody Moore, Robert Schroeder

ALSO PRESENT: Lee Kilbourn, John Lape

1. TASK TEAM REPORT:

- Executive Director: Task team met, are in the process of gathering info from Inge on job description.
- Leadership Restructuring: Request was made to find a lead contact person for this team.
- Membership Needs / Wants Analysis: Carolyn, getting going with group and setup of meeting.
- Marketing Plan: Mike, will use feedback from Membership N/WA to proceed, has contacted SMPS for possible help. Would pursue other possible resources within the chapter for marketing guidance.

2. COMMITTEE REPORTS:

- Programs: October’s meeting with Robert Campbell will be on the 24th to coincide with Architecture Week and CSI National Board meeting held in Portland. Meeting location at the Hilton is being reviewed.
- Education: Pushing for more programs as a service to our community and source of revenue for the chapter. Metro has an interesting program on Recycling.
- Membership: Committee meets second Monday of the month at Billy Reeds.

3. FINANCIAL REPORT:

- Golf: Preliminary reports show event with positive outcome, financially and socially, waiting for final food costs.
- Budget: An additional meeting was scheduled for September 6th at SRG to continue reviewing potential revenue opportunities for the chapter in education and products and services fair.
- Financial Director: A motion was made, seconded and approved to “retain John Lape as Financial Director for the Portland Chapter CSI.

4. CORRESPONDENCE AND THE WORLD:

- The NW Region Leadership Conference in Seattle, hosted by the Puget Sound Chapter. Jim Wilson encouraged all directors and committee chairs to participate if possible. Chapter would share some limited expenses for board or chair positions that attend.
- CSI Teleconferences, three scheduled in November.
- ADAAG, a proposed regulations hearing is scheduled for October 8, 2002 Hilton hotel in Portland.

5. June 4, 2002 BOD MINUTES:

June 4, 2002 Board Meeting Minutes were read. There was a motion, second, and the minutes were approved as amended.

ADJOURNMENT: 1:05 P.M.

Respectfully Submitted,
Doug Allen, Secretary

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the CONTACTS

PORTLAND OFFICERS & DIRECTORS

President	Jim Wilson, CSI, CCS, AIA.....503-222-1917
President-Elect	Cherie McNabb, CSI, CDT.....360-600-8444
Immediate Past-President	Jody Moore, CSI, CDT.....503-284-6799
Secretary	Doug Allen, CSI.....360-260-1737
Treasurer	Inge Carstanjen, CSI, CDT.....503-297-2162
Exec Director	Inge Carstanjen, CSI, CDT.....503-297-2162
Director, Professional 2002-2004	Michael Wilson, CSI, CDT.....503-226-6950
Director, Professional 2002-2004	Bob Schroeder, PE, CSI.....503-226-6950
Director, Industry 2002-2004	Carolyn Miller, CSI, CDT.....503-260-7744
Director, Industry 2002-2004	Scott Dicker, CSI, CDT.....503-639-7045
Director, Industry 2002-2004	Joe Bolkovatz, CSI.....503-978-0800
Director, Industry 2001-2003	Denise Carpenter, CSI.....503-720-3005

COMMITTEE LEADERS

Archives/Historian	Margie Largent, CSI.....503-620-6573
Awards	Mike Watson, CSI, CDT.....503-239-8128
By-Laws	Ken Searl, FCSI, CCS.....503-362-3472
Certification	Ray Totten, CSI, CCS.....503-635-4425
Editor	Dianne Kuykendall, CSI.....503-631-3782
Education	Jim Wilson, CSI, CCS, AIA.....503-222-1917
Continuing Education	John Lape, FCSI, CCS, AIA.....503-243-2837
Finance	John Lape, FCSI, CCS, AIA.....503-243-2837
Golf Tournament — Co-Chairs	John Armstrong, CSI.....503-579-2477 Erica Bitterman, CSI.....503-274-2030

Library	Perky Kilbourn, CSI.....503-244-1778
Membership — Co-Chairs	Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400 Pat Murphy, CSI.....503-285-4557
Nominations	Jody Moore, CSI, CDT.....503-284-6799
Operations Guide	Ken Searl, FCSI, CCS.....503-362-3472
Orientation	Michael Muhle, CSI, CDT.....503-284-6799
Planning	Curt Austin, CSI, CCPR.....503-238-1253
Product Rep Share Group	Randy Tessman, CSI.....503-318-8046
Products and Services Fair — Co-Chairs	Comelia Gibson, CSI, CDT (Attendees).....503-624-7444 Cherie McNabb, CSI, CDT (Vendors).....360-600-8444
Programs — Co-Chairs	Jody Moore, CSI, CDT.....503-284-6799 Scott Dicker, CSI, CDT.....503-639-7045
Publicity	Dianne Kuykendall, CSI.....503-631-3782
Specifiers Share Group & Technical	Michael Madias, CSI, CCS.....503-224-6767 David Shelman, CSI, CCS.....503-227-1254
Student Affairs — Co-Chairs	Randy Tessman, CSI.....503-318-8046 Igo Jurgens, CSI, AIA.....503-223-0992
Student Affiliate	Sarah Lynn Garrett, AIA.....503-252-7806
Webmaster	Rick Heiserman, CSI, CDT, AIA.....503-892-1321

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2000-2002	Bob Kenworthy, CSI, CCS, CCCA Tel: 253-931-4826 fax: 253-804-4502 e-mail: bkenworthy@mx.auburn.wednet.edu Auburn School District #408 915 4th Street NE Auburn, WA 98002-4499
2001-2003	Jeff Callahan, CSI, CCCA Tel: 907-786-6425 fax: 907-786-6444 e-mail: afjcc1@uaa.alaska.edu University of Alaska Anchorage PO Box 104882 Anchorage, AK 99510

Region Website
www.csinwr.org

REGION COMMITTEES

Academic Affairs	Ed Storer, CSI, CCS.....206-223-5052
Archives	Bob Hesselstine, CSI, CCS.....503-765-0374
Awards — Co-Chairs	Gerald McDonnell, CSI.....541-344-9157 Karen Morris, CSI, CDT.....208-343-3620
Certification	Sherry Harbaugh, CSI, CCS.....509-456-6525
Education	Rick Heiserman, CSI, CDT, AIA.....503-892-1321
Membership	Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400
Newsletter/Website Editor	Inge Carstanjen, CSI, CDT.....503-297-2162
Newsletter Publisher	Sheila Kenworthy.....253-565-1797
Region Conference Direction Committee	Art Nordling, FCSI, CCS.....509-838-8681
Region Operating Guide	Ken Searl, FCSI, CCS.....503-362-3472
Region Trustee	Larry Barger, CSI, CCS.....360-943-4650
Strategic Planning Task Team	Igo Jurgens, CSI, AIA.....503-223-0992
Technical	Jim Adkins, CSI, CCS.....206-634-0570
Webmaster	Rand New, CSI, CDT.....541-688-5594

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	Dan Graham, CSI, CDT.....907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	Andrew Estep, CSI.....206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	Perry White, CSI, CDT.....1-800-344-8042
Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
Portland, OR (Second Tuesday)	Jim Wilson, CSI, CCS.....503-222-1917
Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
Idaho, Boise, ID (First Tuesday)	Jon Farren, PE, CSI, CDT.....208-429-1309

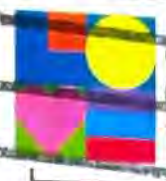
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November 2002



ROBERT R. KLAS CSI
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SHOW ME THE MONEY! The Cost of Sustainable Building

Tuesday Evening, November 19, 2002

- Our expert panel discussion will give you:
- improved understanding of issues and conflicts
 - increased skill with green requirements
 - reliable resources for collaboration

Event Location
Princeton Building Ballroom

Event Timing
5:30pm Meet Your Colleagues in the Ballroom
6:30pm Dinner, Catered by Jake's
7:30pm Panel Presentation

Cost: Table for 8: \$220, Individual Seat: \$30

**Fax your reservation no later than
Nov. 15, 2002 by 5:00pm to (503) 297-3183.**

Checks should be mailed to: CSI, 9578 SW Morrison St., Portland, OR 97225.
If you have a question, call the CSI Portland Chapter office at 503-297-2162.

Name: _____

Company: _____

Telephone: _____ Fax: _____

Guest(s): _____

Payment Method: Check Visa MasterCard

Amount: _____
(\$30.00 per person — Sponsor a Table for 8 only \$220)

Student: _____ (No Charge)

Cardholder Name: _____

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(complete billing address, including zip code required)

Card Number: _____ Expires: _____

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the PREDICATOR

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Attention all CSI-partiers!
We need your help at the Princeton Ballroom to solve
the ultimate construction **whodunit**.

The Blueprint of a Murder

Sponsored by Willis Supply & DuPont® Corian®

TUESDAY DECEMBER 10, 2002

By Scott Dicker, CSI, CDT

Leading us will be the Internationally-renowned

Eddie May Murder Mystery Dinner Theater



You are part of the cast when you come out and play for an evening complete with sidesplitting comedy, mystery, mayhem and murder.

WARNING: YOU COULD DIE LAUGHING!

North America's longest running and largest audience participation, murder mystery dinner theater, Eddie May is dying to give YOU and your guests The Crime Of Your Lives right here in Portland, Oregon!

**THE PRINTS ARE BLUE! WEIGH THE EVIDENCE AND
HELP SOLVE THE CONSTRUCTION OF A MURDER!**

Mark you calendar now and line up your smartest friends to help solve the mystery Tuesday, December 10, 2002. Dine and play over cocktails, dinner and murder (Served Hot!) and see if you can figure out Whodunit!

**The Princeton Ballroom — 614 SW 11th Avenue
Decorated for the holidays and catered by Jake's
\$50 per person — or a table of 8 for just \$350
5:30pm - 9:00pm**

**GIVING AUDIENCES THE CRIME OF THEIR LIVES FOR 20 YEARS!
Register today! See the back cover for all the information.**

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VOLUME 42, No. 5

Portland Chapter CSI
Monthly Newsletter



president's message

By Jim Wilson, CSI, CCS, AIA



What if the Hokey Pokey IS What It's All About ?

I recently saw this question posted on the bumper of a car. Judging from the appearance of the car, the owner is living as though this is indeed the case! There is always value to be found in asking reflective

questions, and with the troubles of our times growing, this particularly inquiry could be very worthwhile.

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Over the past several years we all worked at a fever pace as the economy teemed with activity. Little time remained for pursuits other than work. Pastimes became a thing of the past. Leisure was given over to more work as we embraced serial opportunity. Now with economic contraction visiting us with lay-offs, stopped projects, and diminished prospects we seem to continue working just as hard as before. Now we redouble our attention to make certain a client is satisfied, hoping they'll come back soon. Apply our extra effort so we may net a scarce bit of new work - checking bid figures, reexamining budgets, and rehearsing for the interview. Either way, it is work, work, and work! So, what **IF**? Or better still, why not try living as though the hokey pokey **IS** what it is all about?

The unknowable dimension of life seems to have expanded somehow. New dangers exist that are nearly impossible for us to protect ourselves from. There is a nuclear North Korea. The looming prospect of war in Iraq, and continued bloodshed in the Middle East compounds our unease. So why not make a little more room for

foolishness, a bit of levity; more play and less toil. Not to ignore the gravity of our times, but to prevent our being overwhelmed by it. We may fare better facing whatever comes with a light heart and a bit of foolery than grim resolve and a stern demeanor.

What would a hokey pokey world look like? It would have more invention and less dogma. It would value the exception over the rule. Wit would merit our attention as well as dignity. We would be as inclined to appear foolish as we are to appear wise. We would resort to humor before humiliation. Play would not be a discrete activity, it would be an integral quality of all activities. And of course with all that dancing we would be a great deal more limber! Those are my answers any way - what are yours?

Keep your thoughts positive for they become your words; keep your words positive for they become your behavior; keep your behavior positive for it becomes your habits; keep your habits positive for they become your values; keep your values positive for they become your destiny.

—Mahatma Gandhi

May you discover in this, the hokey-pokey time of year, something positive to carry you through the New Year. And if you need a boost towards foolishness and play, by all means come to our December program!



Advancement
of Construction
Technology

BS by KS - basic specs

By Ken Searl, FCSI, CCS

At one session of a meeting held in Portland, Oregon in October by the National CSI gang I was sitting next to a CSI member from another region and we were listening most carefully but we did have time for a couple of written notes to each other. I asked the question: Why anyone wants to be President of the CSI is beyond me". However I am glad some do want to be President. Answer: "True". When one of our National Vice Presidents was speaking I noted I was a Vice President of the Portland Chapter for two years but it was disappointing because I never found any Vice. Ha! Answer: "You must not have looked too hard". I wonder how many other rascals were carrying on a written side conversation during the meeting.

I refer you to an Email dated October 21, 2002 from Sheldon Wolfe RA FCSI CCS CCA entitled "Absolute Nonsense". He has served for two years as a specifications competition judge. I too served two years on an earlier competitions judging. I will quote some of Sheldon's article. "Elaboration is not a virtue". How true, when I was a judge one of the specifications had an Elevator Section that was 44 pages in length. (You can imagine how long and fat the rest of the specifications were). This was for two side by side traction elevators in a tall building. I write specifications for elevators and my specifications for this type of project would be 6 or 7 pages. I note when Awards were given I looked to see if that lengthy set of specifications was awarded. The answer was no and if it had been given an award I would have been very surprised.

Sheldon states: Yet we continually see statements like "Strictly comply with...", "Install in conformance with...", and "... On the actual material specified..." Yeah, but it is only one word, and I want to make sure the

contractor does it right." That sounds reasonable, but lets follow that logic. If the specifications require compliance with instructions for one product but not for another does it mean that the contractor doesn't have to follow all of the instructions for the second product?

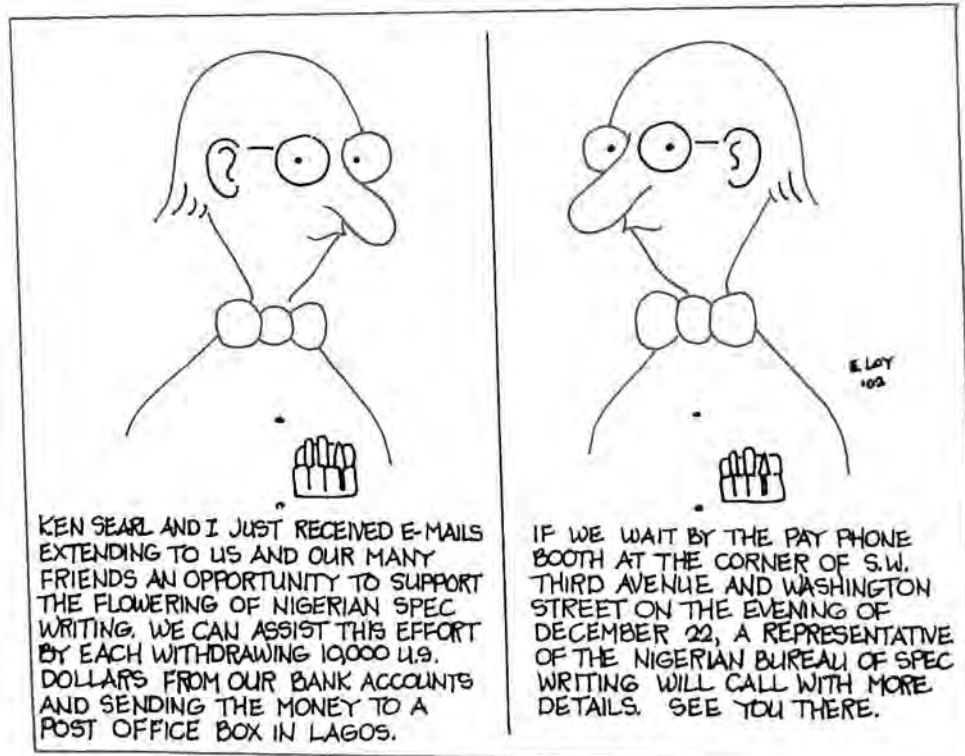
Sheldon also states: "Completion of the contract requires the contractor to fulfill every part of it. In practical terms we may consider one thing to be more important than another, but in the terms of the contract each requirement must be fulfilled. Each part is as important as any other - exactly, precisely, and absolutely. Ken's comment: It seems to me when writing specifications one should apply the KISS treatment and that is "Keep it simple Sam".

I received a letter recently from an old CSI friend and he asked: "Ken, I usually read your column first when I receive my Chapter's Newsletter and I amazed with the many topics you come up with. How do you do this? Well my answer is simple, one must be a little bit crazy, and another friend said that was me. Note: I have no quick retort to this as yet.

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the real world

By Ed Loy, CSI, CDT



the CALENDAR

Portland Chapter CSI Events

2002

Join us the second Tuesday of the month— except as noted for special events!

- Dec. 10** **Holiday Party — It's a Mystery! The Blueprint of a Murder**
Who, how and why? It could be anyone! Leading the event will be the Internationally-renowned Eddie May Murder Mystery Dinner Theater. You will be part of the cast when you come out and play for an evening complete with sidesplitting comedy, mystery, mayhem and murder.

2003

- Jan. 14** **Risk Control: Shifting Liability and Rising Costs**
John Baker and our panel will address this very hot concern of everyone in our business.

- Feb. 11** **CSI Celebrates Engineering Month MasterFormat:** How it is changing and the way it will affect you.

- Mar. 11** **Skin Design**
Skin is in, and the Seattle Central Library has plenty of it.

- Apr. 8** **ADA and the Public Right of Way**
The American Disabilities Act is undergoing changes that continue to impact design and construction in public places.

- May 13** **Portland's Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair and our *very special guest*.

Region & National CSI Events

2003

- Apr. 9-11** **The CSI Show at CONSTRUCT AMERICA, Chicago, IL**
Plan now to attend!

- June 26-28** **CSI University Philadelphia, PA**

For more information, call the CSI office: 503-297-2162.

Other Events

2003

- Aug. 20-23** **AIA Regional Convention**
Oregon Convention Center



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LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predictor*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

EMPLOYMENT OPPORTUNITY

Thomas Cook Reed Reinvald Architects, a Tacoma architectural firm is seeking one or more experienced individuals with expertise in, and a passion for specifications writing, construction administration, and quality control. TCRR is a growing firm of 27, in business in Tacoma since 1960. TCRR offers competitive salaries, excellent benefits, and friendly team of dedicated professionals to work with. Interested individuals should send a cover letter, their resume, and a list of references to TCRR at 902 North 2nd Street, Tacoma, WA., 98403 or vial email at architect@tcrr.com. Also visit our website at tcrr.com. TCRR is an equal opportunity employer.

Recycling and Green Building for the 21st Century

Hear about the newest tools and techniques for reducing your project's waste management and disposal costs. From small tenant improvements to multi story commercial projects, find out how to build comprehensive recycling and salvage into any construction project. Also, learn about new green building certification programs from the US Green Building Council and the City of Portland Office of Sustainable Development. This is the first course in a planned series being produced by a partnership between Metro and Portland CSI.

Monday Jan. 27, 2003 9:00am to Noon
Metro Council Chambers 600
Northeast Grand Ave.
Cost: \$25

Presenters:

Bryce Jacobson, Metro Regional
Environmental Management
Brian McVey, The ReBuilding Center,
Deconstruction Services
Rob Bennett, City of Portland Office of
Sustainable Development

THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

- Exhibits
- Technical Education
- General Sessions
- Networking Events
- CSI Annual Meeting & Member Forum
- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

The CSI Show™ will co-locate with The TFM Show™ in 2003 at the debut of Construct America™. Attendees may take advantage of two trade shows, side-by-side, with the ease of registering to attend only one show.

For more information about Construct America™, please visit www.constructamerica.org.



CSI – CDT CERTIFICATION STUDY CLASS ANNOUNCEMENT

We are pleased to announce that the CDT Certification classes will begin on January 30 at PSU. The classes will be held on Wednesday from 6:30 pm to 8:30 pm at Smith Hall in Room 328. Cost is \$125. There is no charge for students from PCC and CCC Construction Technology Programs and the PSU Architectural Department.

Chapter Certification Study Class schedule is as follows:

January 30th	Unit 1 - Construction Process Overview (Jody Moore and Rick Heiserman)
February 6th	Unit 2 – Construction Contract Types (John Lape)
February 13th	Unit 3 - Modifications and Substitutions (Ray Totten)
February 20th	Unit 4 - Rights, Duties, Responsibilities (Jody Moore and Rick Heiserman) Unit 5 - Contract Provisions (Note: This session may run 3 hours)
February 27th	Unit 6 - Use of Construction Documents (Dennet Latham)
March 6th	Unit 7 - Organization Formats (Bob Easton)
March 13th	Unit 8 - Interpreting Construction Documents (TBA)
March 20th	Make-up class , if necessary
March 27th	Review night (All teachers)
April 5th	CDT Exam date PSU- Shattuck Room 355, starting at 8:00 am

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Please contact Scott Dicker @ 503-572-9835 or scott.dicker@otis.com to sign up for the CDT classes.

The following is a description of the four exams which you may sign up to take on April 5th:

CONSTRUCTION DOCUMENTS TECHNOLOGIST (CDT)

A Construction Documents Technology (CDT) is a person who has demonstrated basic knowledge of fundamentals and format of construction documents as prescribed by CSI and general conditions of the contract for construction.

CERTIFICATION CONSTRUCTION SPECIFIER (CCS)

A Certified Construction Specifier (CCS) is a person who has the required experience and has demonstrated the minimum acceptable knowledge and ability to prepare written construction documents as prescribed by CSI.

CERTIFIED CONSTRUCTION PRODUCTS REPRESENTATIVE (CCPR)

A Certified Construction Products Representative (CCPR) is a person who has the required experience and has demonstrated the knowledge and ability in construction products representation and in using and advising design professionals in the preparation of construction documents as recommended by CSI.

CERTIFIED CONSTRUCTION CONTRACT ADMINISTRATOR (CCCA)

A Certified Construction Contract Administrator is a person who has demonstrated, by successful examination, the minimum knowledge and ability to administrate a contract for construction as prescribed by CSI.

Spec Writers' Roundtable: Mentoring Specification Writers



How do you make a spec writer? To answer that question we could take a look at both old and new technologies. Under old technologies we could breed them: you know, the first born becomes a knight, the second born joins the

clergy, the third born goes into politics and the fourth grows up to be a spec writer. The problem with this approach is that with dropping birthrates we are going to have a pretty small pool to draw from. And there's that contemporary concept of individual choice and all that.

Looking to the new technologies, we have a few more options. There is cloning..... Was that a collective 'gasp' I just heard? Which one of us don't you want another one of around? (gee, I'm glad my college English teacher isn't grading this paper) Moving on: There is concentrated cognitive enhancement, otherwise known as brainwashing. Unlike the old-fashioned kind (abduction, secret location, re-programming, etc.), though, it could possibly now be accomplished with some basic IT tools, overnight, while the subject is sleeping. Then there is "THE PROGRAM" that Microsoft has brewing that will be just the ticket. It will replace the human spec writer. The human ones will all be able to instantly retire and go home and work on their boats or gardens or read good books (i.e., not Project Manuals!) Now before all you Managing Principals and firm financial advisors get too excited, the word (lower case) out there is that there are some major hurdles before this ever reaches the market. They are having trouble with the Experience and Insight Modules, and they are finding the Skepticism

Layer—needed to evaluate and process the routine product information and construction phase communication—particularly challenging.

These latter traits, unlike the rest of my introduction, actually were part of our discussion when the Share Group met on November 14 to consider the process of transferring the skills and knowledge of the older "spec writer" to the next generation of architects. The first question that Mike Madias asked us became the springboard for the whole session: "How did you become a spec writer?" Of the dozen or so attending—all architects and mostly all active spec writers—there was common agreement that we didn't intentionally set out to be spec writers. Rather we became architects and, in the course of practicing our trade, came to a level of experience and understanding in the many phases of a project's development. This naturally put us in a supporting role to the work being produced in our respective firms. In comparing notes we learned that most of us might be better labeled "quality managers" than strictly spec writers. The mentoring aspect, we concluded, was to assure that within our workplaces there needed to be an intentional program for all architectural staff to develop technical, contractual, and construction understanding, along with design competence. Out of this well-rounded staff would emerge individuals with an interest in the written portions, i.e. specifications of project documentation. We tried to identify some of the necessary conditions and activities that contribute to good transfer of professional competence within an office as well as the broader opportunities that are available for interns and architects here in Portland:

Within architectural firms:

- Firm ownership that recognizes and supports the technical/contractual aspects of design
- Educational programs (formal periodic sessions on various aspects of practice)

continued on page 8

- Active IDP program that aggressively makes opportunities for intern growth
- Peer reviews that give feedback to teams on document quality
- Procedures Manuals, reliance on standards such as The Manual of Practice and The AIA Handbook.
- “Go to” individuals that can assist teams on technical problems

Within the Portland Design/Construction community:

- CSI Portland Chapter Specifier Share Group (twice monthly educational topics)
- CSI Certification Program
 - CDT (Construction Document Technologist)*
 - CCS (Certified Construction Specifier)
 - CCCA (Certified Construction Contract Administrator)

8 *We highly recommend that all interns and registered architects take the CDT exam. Successful completion of this test will confirm that the individual has a solid understanding of the full scope of project documentation and the contractual aspects of construction documents. CSI Portland provides a study class for CDT exam applicants to prepare for the test. Contact Scott Dicker at 503-572-9835 for information about both the exam and the class sign-up deadlines.

SSG Meeting Information!

The next SSG meeting (and the only one this month) is December 12 on the topic of Raised Floor Systems.

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

the

NEWS FROM THE INSTITUTE

The following article is the introduction to the November TeamCS topic. For responses from the four members of the construction team, the Owner, Contractor, Designer, and Supplier, please go to www.csinet.org, and follow the links to Team CS.

MasterFormat™ — Everyone has an Opinion
CSI's flagship document, MasterFormat™, has undergone its second revision, which was recently released for industry review and assessment. One thing this exercise has taught us is that everyone has an opinion. The unfortunate fact of the matter is not everyone is sharing their opinion ... at least not with the MasterFormat Expansion Task Team and its chair, Dennis Hall, FCSI, CCS, CCCA, AIA. When they do, they fall under one of two categories: positive or critical.

The positive responses seek to ensure any changes made actually benefit the industry. The critical responses seek to ensure absolutely no changes are made, arguing there is absolutely nothing wrong with the current MasterFormat.

If you read the Owner column, you will find there are more than enough problems and inconsistencies in the current MasterFormat to warrant a revision. After that, perhaps you should check out the Constructor column, wherein a somewhat anxious but neutral contractor finds himself championing the expansion effort. When you read the Supplier column, you will find the expansion effort is not just about righting past wrongs within MasterFormat, but rather an effort to make it an interoperable document the entire built environment industry can use. Meanwhile, the Designer thinks maybe the best way to go is not to expand the current MasterFormat, but start from scratch and make a new one that makes sense.

What is your opinion of the MasterFormat expansion? We know you have one, so take advantage of **Team Talkback** and tell our columnists what you think. Submit your comments to **Team Talkback** and have your say.

Editor, TeamCS

The TeamCS Archive contains articles on dozens of topics, each analyzed from the perspectives of the four teams. **Check it out!**



perky's notes

By Perky Kilbourn, CSI

After getting so "long-winded" last month I will try to keep it short this month. As a microbiologist some things are of significant interest to me and so I go into detail when I discuss them.

Some of you may know that I volunteer at the Red Cross Bloodmobile. I keep track of who has arrived to donate blood, who has read the deferral information and to whom I give the paper work to complete. Then the blood donors go to the nurses who check the paper work with the blood donors before the blood donors sign the paper work and donate their blood.

Included in the deferral information is the fact that a person is prohibited from donating blood if that person has lived in Europe or visited European countries for longer than three months in the last five years. The reason for this deferral is concern over Creutzfeldt-Jakob Disease (CJD) which is the human variant of bovine spongiform encephalopathy or mad cow disease.

Current thinking is that Creutzfeldt-Jakob disease is transmitted by a protein or prion and the Red Cross scientists are working on tests. First to detect the prion which causes Creutzfeldt-Jakob Disease. Second to remove the prion (which causes Creutzfeldt-Jakob Disease) from the blood before giving the blood to somebody.

Once successful, all the people (that have not been able to donate blood and do not have Creutzfeldt-Jakob Disease), will be able to donate blood. Those people (who have not been able to donate blood and do have prion which causes Creutzfeldt-Jakob Disease) will also be able to donate blood. The prion which causes Creutzfeldt-Jakob Disease will be removed from their blood which they donate.

The article which discussed this problem predicted that the prion removal system is currently in Phase II clinical trials and so should be on the market in a couple of years. Progress is being made!

The relevance to the reader is two fold.

First, because CSI members donate blood, and second because CSI members received blood.

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the MINUTES

PORTLAND CHAPTER, CSI
BOARD OF DIRECTORS MEETING
October 1, 2002

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:07 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Denise Carpenter, Inge Carstanjen, Scott Dicker, Carolyn Miller, Jody Moore, Robert Schroeder, Jim Wilson, and Michael Wilson

ABSENT: Joe Bolkovatz, Cherie McNabb

ALSO PRESENT: Lee Kilbourn, John Lape, Skip Brown

1. TASK TEAM REPORT

- Long Range Planning: Jim noted that we need to move forward with the task team issues as they are not proceeding at a very promising rate.
- Executive Director: Task team is continuing to gather job description requirements. Also pursuing local agencies which provide Executive director services to organizations.
- Leadership Restructuring: No member to lead this task yet. Group is focusing on other tasks for now.
- Membership Needs / Wants Analysis: Carolyn, planning on having a draft at next BOD meeting. Joe, Rick, Doug, and James Waddell have volunteered on the committee.
- Marketing Plan: Mike, committee has met with DOWA marketing director and past president of SMPS for guidance. To proceed, data from the "needs and wants" survey is required. The team is looking into publications to promote our events and dinner meetings. Next meeting of the committee to be scheduled after receipt of data from "needs and wants" committee. Comment was made that some guidance for marketing is in the Bud Crouch seminar literature.

2. COMMITTEE REPORTS

- Programs: Architecture Week, October 24 at the Art Institute, with Robert Campbell of the Boston Globe as our feature speaker. November meeting is shaping up as a panel discussion on the Constructability of Green Building. December, committee is looking at the possibility of a murder mystery dinner theater. Committee is also continuing to look at other venues for next years meetings.

- Education: Looking at possible seminars for Master Format and a program with Metro "Construction Debris Recycling."

3. FINANCIAL REPORT:

- John hopes to finalize numbers in November. Waiting for final costs on golf tournament and return of seed money from Willamette Valley Chapter's regional conference.

4. CORRESPONDENCE AND THE WORLD:

- The National CSI BOD will meet in Portland on October 25 for a reception and BOD meeting on Saturday October 26th. Portland chapter committees and BOD are encouraged to attend.
- Susan Zuniga won an award to write a master Green Building specification. Programs or Education committee could consider her as a possible speaker candidate.

5. BOD MINUTES:

July 26, 2002 and September 3, 2002 Board Meeting Minutes were read. There was a motion, second, and the minutes were approved.

ADJOURNMENT: 1:09 P.M.

Respectfully Submitted,
Doug Allen, Secretary

the FINE PRINT

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

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NORTHWEST REGION

CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

Dan Graham, CSI, CDT.....907-261-9203

Puget Sound, Seattle, WA (Second Thursday)

Andrew Estep, CSI.....206-382-3393

Mt. Rainier, Tacoma, WA (First Thursday)

Perry White, CSI, CDT.....1-800-344-8042

Spokane, WA (Second Thursday)

Mark Elliott, CSI, CDT.....509-624-4281

Portland, OR (Second Tuesday)

Jim Wilson, CSI, CCS.....503-222-1917

Capital, Salem, OR (Third Thursday)

LaVone Clausen, CSI.....503-371-2070

Willamette Valley, Eugene, OR (Last Thursday)

Rodd Hansen.....541-687-9600

Idaho, Boise, ID (First Tuesday)

Jon Farren, PE, CSI, CDT.....208-429-1309

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THE PREDICATOR

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Event Location

Princeton Building Ballroom
614 SW 11th Avenue

Event Timing

5:30pm — 9:00pm Dinner, Catered by Jake's
(There will be Holiday Decorations)

Cost: Table for 8: \$350, Individual Seat: \$50

**Fax your reservation no later than
Dec. 6, 2002 by 5:00pm to (503) 297-3183.**

Checks should be mailed to: CSI, 9578 SW Morrison St., Portland, OR 97225.
If you have a question, call the CSI Portland Chapter office at 503-297-2162.

the

RECEIVED

January 2003

JAN 03 2003

CSI Int'l + ENR
PREDICATOR

improving the process of creating and sustaining the built environment

A Joint Meeting with American Society of Professional Estimators

Construction Forecast

John W. Mitchell

2003: A Test of Resiliency

Tuesday — January 14, 2003

New location! Portland Marriott Downtown



Construction professionals in the Northwest are feeling many of the same forces that are affecting our national economy.

'Tech bust', stock market collapse, terrorist attacks, war concerns, and business scandals are testing the resilience of our economic system. Credit is tight and investment in construction is cautious.

John Mitchell, one of the Northwest's foremost economists, will be featured at a special joint meeting of CSI and ASPE to address the economic issues that concern our industry and our region. He will examine the '01 recession that has hit Oregon hard. After a decade of strength, the state's industry mix may have changed from a source of strength to a liability.

As a Principal, M & H Economic Consultants, and Economist for the Western Region of US Bancorp, John Mitchell has over two decades of direct experience in our market, including service on the Oregon Council of Economic Advisors; the Western Blue Chip Forecast Panel; and the Governor's Tax Review Technical Advisory Committee.

American Society of Professional Estimators serves construction estimators by providing education, fellowship, and opportunity for professional development. CSI is very pleased to join the Columbia Pacific Chapter of ASPE for this important presentation.

Is it time for the construction industry to push the panic button? Join us and hear what John Mitchell has to say!

Portland Marriott Downtown — 1401 SW Naito Parkway

\$25.00 per person

6:00pm Meet Your Colleagues in CSI and ASPE

7:00pm Dinner and Presentation

Register today! See the back cover for easy registration.

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VOLUME 42, No. 6

Portland Chapter CSI
Monthly Newsletter



Advancement
of Construction
Technology

president's message

By Jim Wilson, CSI, CCS, AIA



Now What?

This is the common question posed with a New Year staring back blankly from the mirror. Like the personal inventory assembled by the reflective New Year's reveler it is appropriate the Chapter make a collective assessment of what the Chapter does that makes your

membership valuable, how to improve those areas so they are even more valuable, and what new initiatives should be undertaken to create additional value for our members.

Similar to early navigators our Chapter faces the challenge of knowing where we are, and where we are going. Presently, we lack all of the instruments for reliable navigation, and we best not trust our way to dead reckoning. The instrument that is being devised for our new navigation is a Membership Survey that will be distributed early in the New Year. The Survey is intended to allow Chapter members to tell the leadership what is useful and valuable to you, what is not useful and what would add greater value to your Chapter membership. The format will provide a single-page, easy check-off that will require only a few moments to complete. There will be 2 to 3 additional pages with more detailed questions requiring a bit more time for you to complete if you can take more time, but this will give an even more accurate basis from which we can chart our course. The greatest help will be to complete the whole survey, but if you have only time for the first page that much will also be of value. Please complete as much of the survey as you can, and return it promptly. We are working hard to make this a simple process and hope to be rewarded with a strong response. Ultimately your reward will be seeing the value of your chapter membership enhanced, and that should prove useful even without the lifetime of work and refinement Mr. Harrison had to put in to win his prize!



2 This summer, I read Dava Sobel's book, *Longitude*, an enthralling account of how John Harrison created in 1759 the first seaworthy time piece accurate enough to use in determining longitude. A feat that required his entire lifetime and for which he was eventually awarded the King's Prize (\$12 million in contemporary terms). Latitude is relatively easy to figure by the stars; longitude is not. Beyond sight of land it is essential to know longitude to determine where you are. How can you know where you must head, if you do not know where you are? How do you know you have achieved your objective, if you cannot know where you are? Many calamities resulted from navigators who could rely only upon "dead reckoning" to determine their course. 18th Century British seamen were prohibited from keeping their own logs, and anyone caught doing so, or who questioned the Captain's navigational accuracy, was put to death! So the ultimate definition for "dead reckoning" may have been, "We'll get there or you will die in the trying."

BS by KS - basic specs

By Ken Searl, FCSI, CCS

Peter Drake, an Architect friend of mine, attended a Continuing Education Seminar recently entitled "The Recent Emergence of Exterior Cladding Issues". Seminar speaker was David Cohen, a Senior Inspector for Siding Solutions represented by the National Organization of Exterior Finish System Inspectors (NEFSI) and he discussed a number of cases in which Exterior cladding installation was the culprit behind 6 Billion dollars in damages, annually in the United States alone due to siding not being installed correctly. He started with a discussion of Composite siding, which even though we may not like it, will be here for a long time, due to a depletion of good trees. Basically the Seminar boiled down to new Proactive strategies for installing siding, of which I'm not sure if you are familiar with them.

The first method was a procedure called Rainscreen. Basically you install an "Air Barrier" over the outside of the sheathing, making sure it is air tight. Then you install 1x strips to the studs and attach the siding directly to the strips. This creates a vented cavity so the siding breathes. Problems with this system include needing jamb extensions at door and window frames to trim out openings. The other issue is making sure the installer installs it as detailed. One problem of designers and Building Officials is not having any required inspection of siding installation. Siding is installed after the Inspectors have inspected for framing and come back at final. Cor-A-Vent has a similar installation as this but they specify a Cor-A-Vent SV-3 strip at top and bottom of cavities to keep bugs and vermin out, however they call for 1/2" x 2" furring strips. (How common are those?)

Another strategy is to use a new product called "Home Slicker". Home Slicker is a very porous rigid plastic that goes on over either Housewrap or Building paper, and the siding gets nailed directly over it. Home Slicker goes on as a roll and supposedly costs \$.06 -.08 per square foot and is only 3/16" thick so no jamb extensions are necessary. This seminar was an eye opener that with all the siding that has been going on and failing isn't always the problem of composite or OSB materials, but a lot had to do with improper installation.

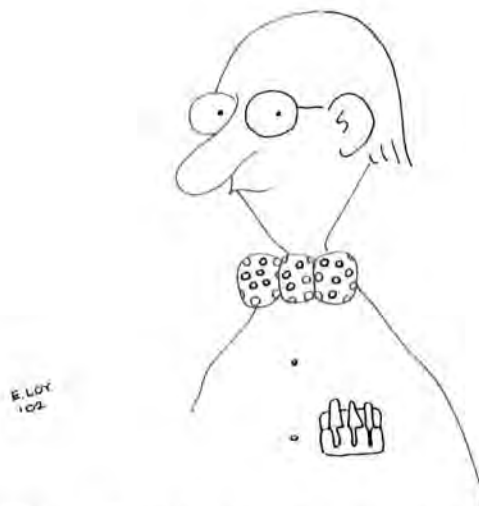
Ken will now put in his two bits worth. Why can't the Architect or Architect's Rep in their normal weekly inspections make sure everything is being installed as specified? It seems to me Contractor's job Supt. should make sure siding is being installed correctly. Specifications should definitely call for a Pre-Application Conference. This conference can be called for in Specifications Part 1 GENERAL under QUALITY ASSURANCE Pre-Application Conference. Suggested wording as follows: Not less than 5 working days prior to a scheduled start, contact Architect, General Contractor, and Manufacturer's Representatives for a job-site meeting date for review of drawings, specifications, materials, applications and job procedures. I am told in residential work or remodeling, specifications are not always a part of the Architect's work nor is Construction Observation. One last item. In EIFS exterior installations we call for a drainage system. Would a drainage system help in the above mentioned systems or do some of the above methods include drainage systems?

3

the real world

By Ed Loy, CSI, CDT

SNODGRASS, HIP SPEC WRITER



I DON'T THINK JIM WILSON HAS NOTICED, BUT I ABANDONED PERFORMANCE SPECS IN FAVOR OF HOKEY-POKEY SPECS IN LATE 1997. FRANKLY, IT'S BEEN A MIXED BAG. THE CHANGE HAS BROUGHT ME NUMEROUS PROFESSIONAL AWARDS, BUT NOW I HAVE BAD KNEES AND FALLEN ARCHES FROM ALL THE DANCING, WHICH IS MANDATORY.

the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

Jan. 14 Construction Forecast
John W. Mitchell
2003: A Test of Resiliency

Joint meeting with ASPE!
\$25 per person

Special Location: Portland Marriott Downtown
Pre-registration required.
See front and back covers for details.

**Jan. 27 Recycling & Green Building for
the 21st Century**
Half-day Joint Seminar with Metro
Portland Conference Center
See page 11 for details!

**Feb. 11 CSI Celebrates Engineering Month
MasterFormat:**

**Feb. 12 Seminar Masterformat: It is
Changing – With or Without You.**
A half-day seminar will follow up the
evening introduction with interactive
exercises and examples of using the
expanded format that will help you
get with it!

**Mar. 11 Risk Control: Shifting Liability and
Rising Costs.**
Our panel sounds off!

Apr. 8 Skin Design
The biggest source of construction
angst is the waterproof envelope.

**May 13 Portland's Products and Services
Fair**
The premier showcase of products
and professional services in the
Northwest will occur in the Oregon

Convention Center. Put this date on
your calendar now, and be prepared to
enjoy meeting your colleagues at the
Fair and our *very special guest*.
See pages 8 & 9.

Region & National CSI Events

**Apr. 9-11 The CSI Show at
CONSTRUCT AMERICA,
Chicago, IL**
Plan now to attend!

**June 26-28 CSI University
Philadelphia, PA**

*For more information, call the CSI office:
503-297-2162.*

Other Events

2003

Aug. 20-23 AIA Regional Convention
Oregon Convention Center

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other
Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the
Editor of *The Predictor*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing educa-
tion credits. For approval of a program, contact John Lape
(503) 243-2837. The Chapter will provide certificates of at-
tendance for engineers for Professional Development Hours
(PDHs). Check meeting announcements or seminar regis-
tration forms for events that qualify.

the **ANNOUNCEMENTS**

JOB OPPORTUNITY

Portland area Manufacturer's Rep firm is seeking an experienced Architectural Sales Rep for Division 7 products. (roofing, insulation, waterproofing). Territory to include Oregon, Washington and Alaska. Salary, health plan, 401K, expenses.

Please send resume c/o Portland Chapter CSI, 9578 SW Morrison St., Portland, OR 97225

perky's notes

By Perky Kilbourn, CSI

All of Ken's President's Columns and "BS by KS Columns" have been collected. Ken Searl and Margie Largent are preparing a "Topic" Index of these "Columns". Once prepared, permission will be requested to put this "Topic" Index on the Portland Chapter Web page.

A CSI member may find a topic of interest in the "Topic" Index of Ken's "BS by KS Columns" and Ken's President's Columns. This CSI member may want to obtain all of Ken's President's Columns and "BS by KS Columns" on that particular topic.

The cost of copying Ken's President's Columns and "BS by KS Columns" is \$5 per topic or \$10 for three topics. All of Ken's columns (President's Columns and BS by KS Columns) will be copied for \$30 plus postage (\$5). Perky discovered how much it actually costs to make a copy of all of Ken's columns. Ken wanted 5 copies of his columns and it cost \$100 to have them Xeroxed.

Any profit (excess of income over expense) from the sale of Ken's columns will be put in Portland Chapter CSI Scholarship Fund.

THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

- Exhibits
- Technical Education
- General Sessions
- Networking Events
- CSI Annual Meeting & Member Forum
- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

The CSI Show™ will co-locate with The TFM Show™ in 2003 at the debut of Construct America™. Attendees may take advantage of two trade shows, side-by-side, with the ease of registering to attend only one show.

For more information about Construct America™, please visit www.constructamerica.org.

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Renewing Members for November 2002

Kenneth L. Crouse Sr., CSI
Angus Eastwood, CSI, CDT
J. Peter Foster, AIA, CSI
Michael C. Grant, CSI
Michael R. Hawes, CSI
Gregory A. Hranac, CSI, CCS
Douglas G. Isaacs, CSI
Theodore M. Lundy, CSI
Spencer Nath, CSI
Kirk Reisinger, CSI
Robert Wayne Simmons, CSI
Peter Lyle Strauhal



Twelve Months of 2003
(Sung to the tune of you know what)

In the first month of 2003 My Project Architect said to me:
Specify Forest Stewardship Council Wood Products

In the second month of 2003 My Project Architect said to me:

Specify Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the third month of 2003 My Project Architect said to me:
Specify Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

6

In the fourth month of 2003 My Project Architect said to me:
Specify Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the fifth month of 2003 My Project Architect said to me:
Specify Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the sixth month of 2003 My Project Architect said to me:
Specify Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the seventh month of 2003 My Project Architect said to me:

Specify Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the eighth month of 2003 My Project Architect said to me:
Specify MPI Paint Products
Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the ninth month of 2003 My Project Architect said to me:
Specify LEED Requirements
MPI Paint Products
Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the tenth month of 2003 My Project Architect said to me:
Specify Fireproofing and Intumescent
LEED Requirements
MPI Paint Products
Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the eleventh month of 2003 My Project Architect said to me:

continued on page 7

Specify Carpeting
Fireproofing and Intumescent
LEED Requirements
MPI Paint Products
Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

In the twelfth month of 2003

My Project Architect said to me:

Specify Building Insulation
Carpeting
Fireproofing and Intumescent
LEED Requirements
MPI Paint Products
Skylights
Stone Cladding
Elevators and Lifts
Wood Floors
Structural Steel
Aluminum Storefront Systems
And Forest Stewardship Council Wood Products

These are just a few [of My Favorite Thi... — just kidding] of the many topics on tap for SSG this year. They will not necessarily be in that sequence so, while you may wish to sing them in that order, you will have to look for the announcements.

SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

These Credentials Pay

The holidays are over and it's time to make good on those promises and resolutions you made as the clock ticked off auld lang syne. I am not talking about exercising or losing weight, or eating healthier or even cutting out the smokes and alcohol. What I am advocating here is real important... getting CSI Certified!

Why become CSI Certified? Columnist for the *Construction Specifier* and specification writer for TC Architects, Inc. of Akron Ohio, David Wyatt, CSI, CCS, CCCA was asked, "Why is it important to become CSI Certified?" in an article of the latest *CSI News Digest*. Wyatt said, "Clients feel good knowing you apply widely recognized standards of practice, and your employer knows you approach your work as a professional practice, not merely a job." If you are serious about a career in the Construction Industry, CSI Certification speaks volumes about your professional commitment to excellence.

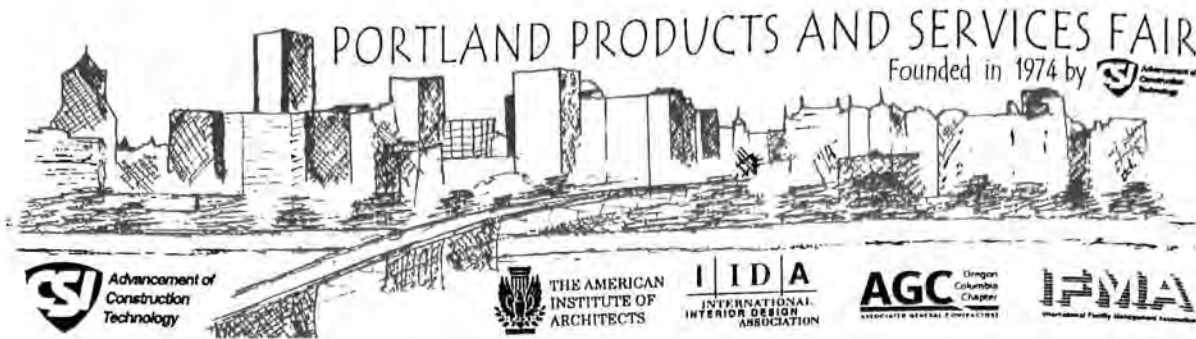
The year 2003 (with all its best opportunities) is leaving the station, and if you are not on board you better make tracks now. The deadline to register for the exam is the last day of this month. Study groups and prep classes will begin next week in many areas. The Study Guide, Manual of Practice (MoP) and Exam Registration are available at www.csinet.org or by calling 800-689-2900. Contact your local CSI Chapter for information on classes or study groups.

IMPORTANT DATES AND COSTS

April 5, 2003 - Exam in Portland, OR

Register through January 31, 2003
CDT: Members \$220, Non-Members \$330
CCS/CCCA/CCPR: Members \$275,
Non-Members \$385

Register online: <http://www.csinet.org> The above costs are for the exam only. For local classes, please give Scott Dicker, Certification Chair a call at 503-572-9835 or e-mail scott.dicker@otis.com.



PORTLAND PRODUCTS AND SERVICES FAIR

Founded in 1974 by

TUESDAY, MAY 13, 2003 - 2:00PM - 8:00PM OREGON CONVENTION CENTER
REGISTRATION - EXHIBITOR CONTRACT

Company Name: _____
 Contact Person (please print or type): _____
 Mailing Address: _____ City: _____ State: _____ Zip: _____
 (please put the address to receive all correspondence / confirmation of booth # etc)
 Telephone: (____) _____ Fax: (____) _____ E-Mail: _____
 Name Tags for booth Name _____ Co. _____, Name _____ Co. _____
 Name _____ Co. _____, Name _____ Co. _____
 I am a member of these associations CSI AIA IIDA AGC IFMA (list all you belong to please)

8

10' X 10' DRAPED BOOTH INCLUDES:

- ◊ Electricity ◊ One 6' draped table ◊ One chair ◊ Company sign ◊ Two parking passes ◊
- Indicate your first three choices for exhibit spaces.

Refer to the floor plan: 1st _____ 2nd _____ 3rd _____
 Reserve _____ booth(s) at \$675.00 or \$550.00 (see plan) for a total of \$ _____
 Exhibitor Luncheon 12:00 pm - 1:00 pm, number attending _____ at \$15.00 per person \$ _____

◊ Vendor Mini Seminar Reservation at an hour per seminar one hour seminar \$300.00 \$ _____
 ◊ Topic of Seminar/CSI Spec. Section _____
 Learning Units rating for your one hour seminar _____
 CSI/AIA/IIDA/AGC/IFMA Member Discount \$50.00 \$ (_____)

We Accept Cash, Check or VISA/MC# _____ exp date ____ / ____
 Card holder name: _____ Address: _____ City: _____ State: _____ Zip: _____
 Signature: _____ Total Amount of payment : \$ _____

Make Checks Payable to: **CSI 2003 Products Fair**

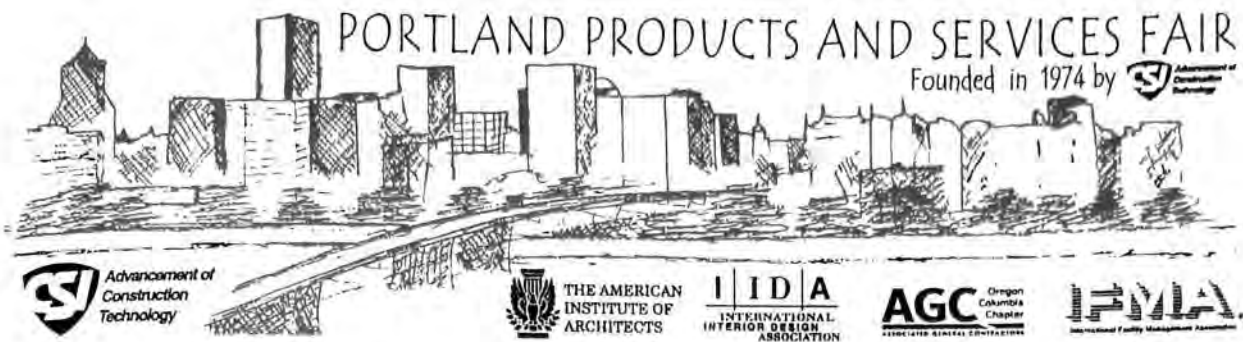
Mail checks and this completed form to: Cherie McNabb
 phone (360) 573-7834 2419 NE 88th Street
 fax (360) 571-8834 Vancouver, WA 98665

If will be charging your total on a credit card you may fax the form to : fax # (360) 571-8834

CSI will not be held responsible for damage, loss, accident or injury to exhibitors at the Products Fair. Although every effort will be made to accommodate your booth selection, assignments will be made on a first-paid basis upon receipt of this contract with payment. Facsimile of this contract is not acceptable as a reservation. The Portland Chapter CSI reserves the right to re-assign booth space up to the day before the Fair. I have read and understand the terms of this contract and agree to abide by them

Portland Chapter, CSI
 Non Profit
 Tax ID # 93-0760052

Please sign above to validate your reservation.
 Please make a copy for your records, this is your receipt.



EXHIBITOR REGISTRATION INFORMATION

OREGON CONVENTION CENTER - PORTLAND, OREGON

MAY 13, 2003 - 2:00 PM UNTIL 8:00 PM

Loading and Unloading entrance				Roll up Door												
168	141	140	113	98	Bar	70	45	42	15	14						
167	142	139	114	97	72	69	44	41	16	13						
166	143	138	115	96	73	68	45	40	17	12						
165	144	137	116	95	74	67	46	39	18	11						
164	145	136	117	94	75	66	47	38	19	10						
163	146	135	118	93	76	65	48	37	20	9						
162	147	134	119	92	77	64	49	36	21	8						
Buffet Tables				91	78	63	50	35	22	7						
				161	148	133	120	112	99	90	79	62	51	34	23	6
				160	149	132	121	111	100	89	80	61	52	33	24	5
				159	150	131	122	110	101	88	81	60	53	32	25	4
				158	151	130	123	109	102	87	82	59	54	31	26	3
				157	152	129	124	108	103	86	83	58	55	30	27	2
				156	153	128	125	107	104	85	84	57	56	29	28	1
				155	154	127	126	106	105	85	84	57	56	29	28	Bar
Entrance								Men								
								Women								

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OREGON CONVENTION CENTER - EXHIBIT HALL A
 777 MARTIN LUTHER KING JR. BLVD. ♦ PORTLAND, OR 97212

- \$675.00
 - \$550.00

Know Your Options When Disposing Of Construction Waste – For most contractors, disposing of construction related waste and debris isn't a top priority. Industry surveys suggest that the average contractor dedicates no more than one percent of a project's budget for waste handling and for most, the process is fairly simple – call a drop box company or commercial waste hauler. But as the industry becomes more aware of its role in creating more environmentally-aware projects, and as "green building" practices become more attractive to owners and clients, construction site waste and efforts to reduce it require considerable more attention.

A growing number of owners, designers and contractors in the greater Portland area are pursuing such green building certification designations as Earth Advantage from Portland General Electric, and Leadership in Energy & Environmental Design (LEED) from the U.S. Green Building Council. These programs require specific accounting for a wide variety of waste and materials, even getting as detailed as tracking the volume and types of soil, fill dirt and concrete rubble leaving a site.

On a practical side, demonstrating an awareness of and practicing more resource-efficient measures will make you more competitive and will save you money on waste handling costs.

Whether you're going for a top LEED certification, or just trying to reduce your waste costs on a project, knowing all your options is a good first step. In the greater Portland area, there are four basic types of facilities that handle waste and debris coming from a construction site:

Source-Separated Recycling Facilities – generally privately owned and operated, these facilities take a wide variety of materials that have already been separated at your job site and recycle them (i.e. cardboard, wood, metal, glass, etc.) These are the least expensive disposal options you can choose. In general, if a fee is charged it is no more than \$35-per ton. Labor is required on the job site to separate materials into specific containers but most contractors say the cost of this labor is offset by the savings in disposal costs or the revenue generated by the

material (like with empty bottle deposits, some of these facilities pay YOU for the materials). At last count, there are approximately 90 separate facilities handling recycling of this nature in the Portland area.

Material Recovery Facilities (MRFs) – this is a general term used to describe a waste-sorting facility where a variety of commingled (mixed), "dry materials" are accepted. [The term "dry materials" excludes household garbage, food, liquid and hazardous waste.] Using a MRF is the easiest way to recycle waste from a construction site because it allows contractors to put all dry waste and recyclable (such as wood, cardboard and metals) into a single container. At the MRF, a combination of mechanical and hand-operated separation procedures is used to sort recyclables from other waste. The average recycling/recovery rate at a MRF is around 40 percent of all material brought in for processing. Ask your waste hauler or drop box provider if a MRF is the destination of material being taken away from your job site.

Transfer Stations – a transfer station is a facility where waste is moved from collection vehicles to larger trucks for long distance transport. In the Portland area, some materials are recycled at transfer stations. Waste is usually dumped onto a concrete floor and the larger, easy-to-separate recyclable are sorted out of the load. The remaining waste is loaded into a larger truck for shipment to a landfill. Transfer stations also accept some types of source-separated debris for recycling, such as wood, metal and cardboard.

Landfills – what we all used to call "the dump", landfills are the least desirable method of waste disposal as they are generally most expensive. Waste taken to a landfill is usually deposited and buried where it is permanently stored.

For a complete and current listing of all of these disposal options, including an indexed guide to recycling facilities, contact Metro for a Construction Industry Recycling Toolkit – Directory of Recycling & Salvage Options. You can also call Metro directly at (503) 234-3000 or visit the online, interactive version of the Toolkit at www.metro-region.org/toolkit.

METRO, in partnership with Portland Chapter of CSI is please to present a half-day seminar:
RECYCLING AND GREEN BUILDING FOR THE 21ST CENTURY

Monday, January 27, 2003

9:00AM – 12:00PM

Portland Conference Center, Interstate Room

300 NE Multnomah, Portland, OR 97232

Hear about the newest tools and techniques for reducing your project's waste management and disposal costs. From small tenant improvements to multi story commercial projects, find out how to build comprehensive recycling and salvage into any construction project. Also, learn about new green building certification programs from the US Green Building Council and the City of Portland Office of Sustainable Development.

Speakers at this event will include:

- **Bryce Jacobson, Metro Regional Environmental Management**
- **Brian McVey, The ReBuilding Center, Deconstruction Services**
- **Rob Bennett, City of Portland Office of Sustainable Development**

Directions and Parking: The Portland Conference Center is located next door to the Oregon Convention Center and is at the Convention Center MAX train stop. If you choose to drive to this event, free parking will be available several blocks away at the Metro building at 600 NE Grand Avenue and the Portland Conference Center also offers parking for a \$5.00 fee.

The Seminar will cost \$25.00 (*includes continental breakfast and will provide 2 AIA HSW credits.*) Advance registration is required – please pay by Check or Credit Card.

11

Name: _____

Company: _____

Telephone: _____ Fax: _____

Payment Method: Check _____ Visa _____ MasterCard _____

AIA Member No.: _____

For Continuing Education Credits

Amount: _____

Cardholder Name: _____

Cardholder Address: _____

(complete billing address, zip code required)

Card Number: _____ Expires: _____

Authorized Signature: _____

Advanced pre-paid registration is required!

**Fax your reservation no later than
January 22, 2003 by 5:00pm to (503) 297-3183**

Checks should be mailed to:
CSI, 9578 SW Morrison St., Portland, OR 97225

If you have a question, call Inge at the CSI Portland Chapter office at (503) 297-2162

the

NEWS FROM THE INSTITUTE

The following article is the introduction to the December TeamCS topic. For responses from the four members of the construction team, the Owner, Contractor, Designer, and Supplier, please go to www.csinet.org, and follow the links to Team CS.

Unusual Building Design

While the majority of commercial projects are straightforward, textbook-style construction, a small percentage always stands out from the rest ... sometimes because of their beauty and charm, and other times because we look, point, and say, "Goodness! What is that thing?"

At times, buildings are unusual because of the materials or methods employed in their construction. Perhaps a revolutionary vapor retarder system was used for the first time, and the building envelope was fully and successfully sealed. Maybe some cutting-edge geotextiles were used in the site work.

At the same time, buildings may be unusual, not so much for the architectural stone or woodwork, but because of the project participants involved. Was the contractor up to speed, or was he delayed at the coffee truck? Did the designer think a staging area was where you go to see Romeo and Juliet? Did the supplier remember where to send the materials? Did the owner ask to have all fenestration removed and replaced with windows? Better yet, was there a job where all project participants trusted one another and no one ended up in court?

To wrap up this year of TeamCS, the columnists share stories from the unusual projects they have worked on. What curious projects have you worked on? What stories can you tell? Take advantage of **Team Talkback** and us about some of your unusual projects. Submit your comments to **Team Talkback** and have your say.

— Editor, TeamCS



The TeamCS Archive contains articles on dozens of topics, each analyzed from the perspectives of the four teams.

Check it out!

Please join *Portland Parks and Recreation, Portland Development Commission* and the *North Park Square Steering Committee* for an evening with

Herbert Dreiseitl, Atelier Dreiseitl

and

Mike Abbate, GreenWorks P.C.

In a discussion on

Urban Park Design, Water & Wetlands

January 24, 2003

First Congregational Church
1126 SW Park

Program Begins at 7:00 P.M.

*Admission is Free
No Reserved Seats*

Atelier Dreiseitl located in Ueberlingen, Germany was formed in 1980 by Herbert Dreiseitl with a goal to promote sustainable projects with a high aesthetic and social value. The Atelier is a multidisciplinary practice specialized in integrating art, urban hydrology, environmental engineering and landscape architecture within an urban context. With a particular focus on water, one of the most essential and threatened natural resources on the planet, the practice seeks to awaken a new understanding of sustainability while implementing comprehensive design solutions.

Mike Abbate, ASLA is a principal in GreenWorks P.C., an award-winning landscape architectural firm located in Portland's Old Town. The firm has been recognized for integrating people and nature through creative and sustainable design.

This team was selected to design a new park in the River District. This is a unique opportunity to learn more about their design work and philosophy.

december chapter meeting

By Perky Kilbourn, CSI

The Blueprint of a Murder

Sponsored by Willis Supply
& DuPont® Corian®

Portland Chapter CSI members and guests enjoyed "Murder served Hot" on Tuesday, December 10, 2002. This Blueprint of a Murder was sponsored by Willis Supply and DuPont® Corian®. It was entitled "It's a Wonderful Life . . . if you're not Dead!" and included quite a bit of audience participation.



We had two murders to solve and I successfully solved only one. I had ruled out the person who did the first murder because he seemed so "nice" when he sat next to me and talked to me while he ate his dessert. I figured there was no way he could have "done it" while the other man who sat at our table for a while seemed the right type. Many people solved both murders and their names went in the hat from which the winner's name was finally picked. Stanley Nelson won a refrigerator magnet and a plastic letter opener because he successfully solved both murders. My opinion is that this was a lot of fun and Portland Chapter CSI should do it again next December.

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the MINUTES

Portland Chapter, CSI
Board of Directors Meeting
November 5, 2002

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:10 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Inge Carstanjen, Scott Dicker, Carolyn Miller, Cherie McNabb, Jim Wilson, and Michael Wilson

ABSENT: Jody Moore, Robert Schroeder

ALSO PRESENT: Lee Kilbourn, John Lape

1. TASK TEAM REPORT

- BOD Project Web Site: James Waddell provided information to the board for the web site his office created for the board's use.
- Executive Director: The task team is working to resolve writing checks and will present options for executive director succession at the next board meeting.
- Leadership Restructuring: No member to lead this task yet. Group is focusing on other tasks for now.
- Membership Needs / Wants Analysis: Carolyn and Jim presented some of the ideas for the survey that were generated from the last task team meeting. Carolyn will recap and format a beta version of the list of survey questions for the next task team meeting which will be at noon in the conference room of SRG Partnership, Monday, November 11th. Scott added, email distribution of the needs and wants survey might expedite getting replies easier and quicker.
- Marketing Plan: Mike reported that there is not much for the team to do other than working on a logo until the results of the needs analysis survey is obtained.

2. COMMITTEE REPORTS

- Programs: Jim reported that the October program with Robert Campbell was a remarkable success for CSI and Architecture Week. We had a huge turnout and hosted 25 very impressed CSI national members. Event expenses exceeded revenue.
- December's meeting; "The Blueprint of a Murder" Mystery Theater is shaping up nicely. Cost will be \$50 per person. A mailer is planned to go out by November 17th. Scott is heading up. A phone tree and flyers are being considered.
- Education: Jim read an interesting proposal from Metro requesting CSI Portland joint venture with them to provide educational events on recycling. Scott made a motion to accept Metro's generous offer with one addition. That Metro would provide the meeting place to hold seminars related to the Metro programs. The motion was seconded and

approved unanimously. Jim would reply to Metro with our request.

•Awards: An accelerated schedule is in place this year due to the new National Convention date.

3. FINANCIAL REPORT

John cautioned the board about excess expenses associated with the October program. He pointed out that there are 7 months remaining this fiscal year to host revenue producing educational events and to avoid relying entirely on the Products and Services Fair income. Cherie suggested that we utilize more sponsors to support our CSI events.

4. CORRESPONDENCE AND THE WORLD

Puget Sound Chapter CSI has moved their products fair to June 5th, due to the conflict with the CSI National Conference.

5. BOD MINUTES

October 1, 2002 Board Meeting Minutes were read. A motion was made to accept corrected minutes, which was seconded, and approved.

ADJOURNMENT: 1:14 P.M.

Respectfully Submitted,
Doug Allen
Secretary

the FINE PRINT

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

THE PREDICATOR STAFF

Editor: Dianne Kuykendall,
Kuykendall Marketing Services
Photography: Randy Tessman
Printer: Echo Printing

the CONTACTS

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Technical	Jim Adkins, CSI, CCS.....206-634-0570
Webmaster	Rand New, CSI, CDT.....541-688-5594

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	Dan Graham, CSI, CDT.....907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	Andrew Estep, CSI.....206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	Perry White, CSI, CDT.....1-800-344-8042
Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
Portland, OR (Second Tuesday)	Jim Wilson, CSI, CCS.....503-222-1917
Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
Idaho, Boise, ID (First Tuesday)	Jon Farren, PE, CSI, CDT.....208-429-1309

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THE PREDICATOR

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Construction Forecast

John W. Mitchell

Tuesday Evening, January 14, 2003

Event Location

Portland Marriott Downtown

1401 SW Naito Parkway

Located across from Waterfront Park between
SW Columbia & Clay.

Event Timing

6:00pm Meet Your Colleagues in CSI and ASPE

7:00pm Dinner and Presentation

Cost: \$25 per person (Attendees must be pre-registered)

**Fax your reservation no later than
Jan. 10, 2003 by 5:00pm to (503) 297-3183.**

Checks should be mailed to: CSI, 9578 SW
Morrison St., Portland, OR 97225.
If you have a question, call the CSI Portland
Chapter office at 503-297-2162.

the PREDICATOR

improving the process of creating and sustaining the built environment

What if they make a new MasterFormat, and nobody uses it?

Symposium and dinner featuring Dennis Hall, Chair,

MasterFormat Expansion Task Team

TUESDAY, FEBRUARY 11, 2003

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VOLUME 42, No. 7

Portland Chapter CSI
Monthly Newsletter



Advancement
of Construction
Technology

The beginning of the end, or a brand new beginning? Those may be the prospects for CSI's signature contribution to the construction industry, the 16 Division MasterFormat. The recasting has been underway for nearly two years and a Final Draft is scheduled for release this year. The objectives for the New Format are challenging, the principles guiding it far reaching, and the stakes could not be higher.

February 11, the Chair of the national committee overseeing the MasterFormat revision effort, **Dennis Hall, FCSI, CCS, AIA** will be in Portland for a 3 hour afternoon symposium and to participate in February's Chapter program that evening.

At the afternoon MasterFormat Symposium Mr. Hall will discuss:

- What is next in the MasterFormat Expansion process.
- Proposals from adding a score of new Divisions to altering all existing Section numbers have been offered. How extensive a change are we likely to see?
- Why we should expand MasterFormat to serve Infrastructure work.
- What revision strategies Stakeholder input most favors.
- How you can most effectively influence the revision process.

The Symposium will also provide an extensive forum for those attending to voice their questions and concerns. How will changes in MasterFormat affect you and your work?

- What happens to historical databases using the old MasterFormat?
- Who is developing software products utilizing the New Format and what is the availability and cost of them?
- How will the New Format be introduced and what happens when no one uses it?
- Does CSI have any idea that the New Format will be accepted?
- Is anyone looking into the cost to the industry to adopt a New Format?

At dinner Mr. Hall will provide a brief introduction to the MasterFormat Expansion effort. Table break-out discussions will follow that, and each table will formulate questions or statements on the expansion process for Mr. Hall to respond to.

Princeton Building — 614 SW 11th Avenue

Symposium 2:30pm to 5:30pm \$50.00 (includes dinner program)

Dinner program only \$30.00

5:30pm Meet Your Colleagues in the Ballroom

6:30 Dinner, Catered by Jake's

7:20pm to 9:00pm Dennis Hall Presentation and Break-out Discussion

*This event was made possible by financial support from
**Hoffman Construction Co.
and Hanset Stainless***

Register today! See the back cover for all the information.

president's message

By Jim Wilson, CSI, CCS, AIA



MasterFormat and the Times They're a Change 'n

I have heard the MasterFormat Expansion proposals greeted with everything from bewilderment through near apoplexy inducing hysterics; there have even been some accepting remarks. The MasterFormat Task Team (METT) has been careful to qualify all drafts as just

that, drafts. Deliberation will continue en route to a Final Draft later this year, and I expect that in April, 2004 the revised MasterFormat will differ substantially from the 1995 Edition. If the Institute's objectives are achieved and the Task Team's principles are maintained the expanded MasterFormat will be a more powerful tool that greatly amplifies the stature of CSI throughout the construction industry.

This new MasterFormat will:

- Make CSI a substantial player in the decade-old, international effort to create the OmniClass construction classification system. Thereby extending CSI's influence and adding greatly to its prestige.
- Enhance the utility of MasterFormat for our engineering colleagues - especially Civil Engineers. Thereby extending CSI's potential membership base.
- Embrace the total life cycle of the myriad construction types that make up our built environment, not just buildings. Thereby fulfilling CSI's Core Purpose.

These are bold objectives for MasterFormat. The Expansion effort is a highly collaborative one and there are clear advantages that will accrue if its' objectives are achieved. I believe that when the Final Draft is complete this June, the time will have arrived for each of us to put our shoulder to the wheel and help things move forward. If you remain hesitant to support the new MasterFormat, please visit METT's web site [<http://www.csinet.org/technic/>

[mfrevision.htm](#)], read all you can about the work, and submit your comments to the Expansion Task Team. Please read the series of articles in February's *The Predicator* for background information and current summaries of the work.

As part of the process I also invite you to suspend your concerns and for a time set aside your difference of opinion. Permit yourself the latitude to adjust to these changes and view them from another perspective.

Consider the Institute's Core Purpose:

To improve the process of creating and sustaining the built environment.

Consider as well two goals of CSI's Long Range Plan:

CSI will be the premier integrating force in the United States for improving the process of creating and sustaining the built environment.

CSI will be recognized worldwide as the indispensable resource for knowledge on the process of creating and sustaining the built environment.

MasterFormat is the Institute's signature contribution to the construction Industry. There is no more powerful means for CSI to transform itself as envisioned by the Long Range Plan than an effective expansion and recasting of MasterFormat. To achieve this transformation the expansion must adhere to the guiding principles established by the Expansion Task Team. To be effective, the new MasterFormat must have the support of CSI, its members and the stakeholders participating in the process. We have all heard the rhetoric about change, and know the exhortations about its inevitable certainty. I invite you now to embrace the idea of a new MasterFormat, support the process of drafting it and participate in creating the substantial benefits our efforts will achieve. Along the way let us keep the advice of a prominent pioneer of modern construction, and the designer of New York City's landmark Flatiron building, Daniel Burnham;

Make no little plans; they have no magic to stir men's blood... Make big plans; aim high in hope, and work!

2

BS by KS - basic specs

By Ken Searl, FCSI, CCS

Valerie Brown has sent out a four page Email with subject matter: CSI Change Order Survey. She asks "Change Orders: How Bad is the Problem?" In some cases it is very bad and the primary cause in my opinion is inadequate drawings and specifications. She also asks: OF ALL projects your firm encountered or worked on in 2002, what type of projects generated the most change orders during the construction phase? She lists the 16 Divisions with space provided for answers. She also asks on page 3, item 9 what can be done to reduce the number of change orders. My answer to this is which will help a lot is to refer to CSI Northwest Region Operation Guide Appendix S, Section 01312 Progress Meetings. When many of us in my area began using this suggested Section we discovered by handling RFI's as shown in Sample Section it not only reduced RFI's greatly but also reduced number of change orders. I'll give you an example, when I was working for an architectural firm prior to my semi-retirement, on one three million dollar project we had nearly 800 RFI's. A couple of years later on a similar project with the same contractor and we were using revised Section 01312 we had 78 RFI's. If any of you rascals out there (Believe me there a lot of rascals out there in our CSI organization. I have even been accused of being a rascal) would like a copy of CSI Northwest Regions Section 01312 or the complete Appendix S, contact me or any CSI Northwest Region Officer, and we will send a copy to you.

I have noticed when I go to a doctor's office and we are in an examination room most of the rooms have 1/8" X 12" X 12" square vinyl tile with a 4" rubber or vinyl base. I also notice as the rooms get older joints open up and indicate cracks. It seems to me that germs could be in these cracks. I assume they clean the floors properly at least once daily but I don't believe that is adequate to prevent germ growth which can affect patients. My opinion is that sheet vinyl should be installed continuous up a base at least 4 "and terminated in an approved wall stop. How about this? Are there any experts out there that can give us an opinion on this subject?

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THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

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- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

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3

the real world

By Ed Loy, CSI, CDT

SNODGRASS, THE FAST TRACK TO FAME



I HAVE GOOD NEWS AND BAD NEWS. THE GOOD NEWS IS MY SPECS HAVE WON AN AWARD. THE BAD NEWS IS THAT THE AWARD IS AN OPRAH FOR FICTION.

the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

- Feb. 11** *CSI Celebrates Engineering Month MasterFormat Symposium with Expansion Task Team Chairman Dennis Hall:* Your opportunity to hear from the source on the progress of the expansion effort. This afternoon session also provides a forum for open discussion with Dennis about concerns and insights those attending may have. *2:30pm to 5:30 pm followed by the dinner program.*

Following the MasterFormat Symposium, our February program will feature an overview of the MasterFormat Expansion by Dennis Hall, table break-out discussion followed by Q & A session with Mr. Hall.

Invite your Engineer colleagues to join you in attending these events.

- Mar. 11** *CSI Awareness Month Risk Control: Shifting Liability and Rising Costs.*
Our panel sounds off!
New Member Orientation

- Apr. 8** **Skin Design**
The biggest source of construction angst is the waterproof envelope.

- May 13** **Portland's Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair. See insert

- Aug. 8** **Portland's CSI Annual Golf Tournament**
Red Tail Golf Course
Contact Erica Bitterman at 503-274-2030.

Region & National CSI Events

- Apr. 8** **Institute Certification Exam**
Portland, Oregon
- Apr. 9-11** **The CSI Show at CONSTRUCT AMERICA,**
Chicago, IL
Plan now to attend!

- June 26-28** **CSI University**
Philadelphia, PA

For more information, call the CSI office: 503-297-2162.

Other Events

2003

- Aug. 20-23** **AIA Regional Convention**
Oregon Convention Center

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predictor*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

Vote

The Institute Ballots will be sent out in February.
BE SURE TO VOTE & RETURN YOUR BALLOT QUICKLY!!!

Your Role in the Expansion of MasterFormat

The 16 Division, MasterFormat is nearly 40 years old. It is intended to be reviewed and updated on a periodic basis every five years. The 1995 Edition represents the last such review. In May, 2001 The MasterFormat Expansion Task Team [METT] was convened to study the expanding the subject matter covered by MasterFormat and options for extensive revisions to it. There are internal and external forces behind this impetus. Internally CSI has established long term objectives to transform the organization into the source for life-cycle information on the entire built environment, not just the construction of buildings. In conjunction with that objective the Institute's tag line statement was revised to include construction and maintenance of the total built environment. Externally, construction technology has become more complex and its evolution has accelerated; the telecommunication and information technology industry's effort promoting a Division 17 for their industry is one manifestation of this.

METT has been working now for over 20 months and has developed two possible maps for change; Scheme A and Scheme B (more on these later). More than 500 organizations throughout the Architecture Engineering and Construction industry have been consulted for input on this process; these include professional societies, manufacturers, publishers, trade groups and unions. There have been forums and presentations at two National CSI Conventions, numerous Region Conferences and at Chapter meetings. There have been a series of Stakeholders Symposia held at varying times and locations across the US and in Canada (the concluding Symposium was held January 24, 2003 in San Francisco). Early on in the process a web site was established to disseminate information and draft documents for review. The web site also provides forums for discussion and posting of individual comments. Additional "chat rooms" on the MasterFormat Revision have been set-up at AECdaily.com and elsewhere on the Web.

As a guide, METT established a set of principles that have evolved during the process due to input from stakeholder groups. The METT principles are:

- Impose as little change as possible into the divisions that have composed the architectural building subjects.
- Make MasterFormat more acceptable to building engineering disciplines.
- Expand MasterFormat to cover all of the built environment.
- Expand MasterFormat to cover the complete life cycle of the built environment.
- Provide space for expansion within each division.
- Integrate MasterFormat in to the Table 05 (Work Results) of OmniClass.

OmniClass (formerly the Overall Construction Classification System) is a 12 Table classification strategy for the built environment from inception to demolition. OmniClass is being established through the Electronic Product Information Co-Operation (EPIC) initiative, an international effort that has been underway for more than ten years. For information on EPIC and OmniClass see www.epicproducts.org and www.occsnet.org.

The OmniClass Tables are:

01 Facilities	07 Process Phases
02 Constructed Entities	08 Process Services
03 Spaces	09 Process Participants
04 Elements	10 Process Aids
05 Work Results	11 Process Information
06 Products	12 Attributes

METT has observed that while MasterFormat has been used for product classification for many years, it was not originally designed for this function. For this reason METT has divorced any product classification function of MasterFormat from consideration in the revision effort. With MasterFormat becoming Table 5 of OmniClass, the classification of construction products will become the province of OmniClass Table 6 Products. This international standard is intended to facilitate trade in a global marketplace.

Will MasterFormat continue to function effectively in the future as the industry standard for organizing construction information? Will CSI continue as an acknowledged leader in the area of format standards for construction information? If you work in



MasterFormat™ Expansion: A Portland Response

The two-year effort to expand MasterFormat™ appears to be in the "home stretch."* You can probably tell from the content of this issue of *The Predictor* that February is a big month on this topic—at least here in Portland. The national CSI MasterFormat Expansion Task

Team (METT) heading this effort has set these key dates leading to the adoption of a revised MasterFormat™:

- | | |
|-------------|---|
| January 24 | Last "Stakeholders Symposium" held in San Francisco (now completed) |
| February 18 | Publication of a consolidated Draft 2 |
| April 9-11 | Presentation of Draft 3 at CSI Convention |
| June 23 | Completion of a Final Draft |
| April 2004 | Revised MasterFormat™ for sale and use |

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Throughout the process many groups and individuals have provided input to the METT. The Portland CSI Chapter, through the Specifier's Share Group / Technical Committee (SSG) responded last June at the Convention in Las Vegas. This response can be viewed at the Chapter website (www.portlandcsi.org). Click on "Technical Programs".

The impending conclusion of the expansion process and the METT's introduction of three additional schemes* led the SSG to convene another local task group to determine what further input we could have on the process. On January 16, a task group of seven (Lee Kilbourn, Susan Wurdeman, Michael Madias, Candace Robertson, Dennet Latham, Marc Labadie, and Dave Shelman) met to take another look at the schemes and consider any additional contributions we could make. Several concerns were expressed.

One was that CSI might be risking something

big in a wholesale retooling of its greatest accomplishment—the 16 Division organization of construction information that has served the industry so well for almost 40 years. Candace compared the MF Expansion process to a local "story" of a few years ago when the Nordstrom department store decided they would recast themselves to appeal to a new (younger) generation of shoppers. The net result was a failure, because they overlooked the needs of their core customers who had grown up with the store. They then had to "back-up" and return to some of the basic services and goods that made them a success in the first place.

There was also concern about a process that does not put such a significant change before the membership for any kind of vote. The perception is that something got rolling and the impetus is carrying us all toward a conclusion we feel helpless to change and wary about the results.

Our earlier response (based on Scheme A—the only one developed at that time) had voiced concern about stretching MasterFormat™ to function for too broad a spectrum of users, well beyond building construction or, for that matter, construction in general. We also were concerned that if MasterFormat™ were to expand, it should still feel like a logical, comprehensive system and not an unrecognizable hybrid.

The four schemes currently being considered are officially known by the following names:

- Draft 2, Scheme A (49 Division structure, developed by METT, that retains most of the current 16 Divisions)
- Draft 2, Scheme B (A totally reworked 88 Division structure developed by METT)
- Alternative Proposal "C" (An alternative conceptual approach submitted to the METT)
- Alternative Proposal "D" (An 18-20 Division structure, submitted to METT, which builds on the current 16 Divisions)

The MasterFormat Expansion Proposals Summarized

The MasterFormat Expansion Task Team's (METT) initial revision proposal was released on February 19, 2002. This proposal was later revised by METT following Stakeholder Symposia in August and October of 2002 and the input of MasterFormat users, and was next released on October 15, 2002 as Draft 2 Scheme A.

In essence Scheme A makes seven broad changes affecting all current users of MasterFormat.

1. It expands the 16 Divisions to 49 Divisions (with 11 of these left open for future growth and another 11 (Divisions 39 to 49) addressing subjects not presently covered by MasterFormat.
2. Moves Civil Engineering work currently in Division 2 to Division 21
3. Moves Landscape work currently in Division 2 to Division 22
4. Moves Division 15 Plumbing work to Division 34
5. Moves Division 15 Mechanical work to Division 35
6. Moves Division 16 Electrical work to Division 36
7. Establishes Division 38 for Communication and Information Technology work.

The content of Divisions 0 to 14 is largely unchanged from those Divisions in the 1995 MasterFormat with the exception of Division 2. Most of the traditional content of Division 2 moves to Division 21 (for Civil work) and Division 22 (for landscape). Divisions 15 and 16 are made into future expansion space with the traditional content therein moving to Divisions 34, 35, 36, and 38. The remaining Divisions 39 to 49 are established to cover work the current MasterFormat does not address and therefore should have no substantive affect on the vast majority of those now using MasterFormat.

Coincident with the release of Scheme A, METT also proposed a Scheme B in direct response to Stakeholder input requesting a much more ambitious revision than had been proposed with the initial February, 19 Scheme (Scheme A when it was reissued on Oct. 15). Scheme B represents a radical reconfiguration of MasterFormat and cannot be fully

described in the space available here. By summary it would establish nine Groupings generally representing content of the current MasterFormat Divisions as noted in brackets; new content is noted in parenthesis:

Procurement and Contract Requirements
[Contract Conditions, Bid requirements]

Common Requirements
[Division 1]
(Performance Requirements)

Common Construction
[Predominantly Civil and Structural engineering subjects; Division 2 - Civil, Divisions 3, 4 & 5, Division 6 - structural subjects only, and Division 9 painting and coatings]

Infrastructure and Exterior Construction
[Division 2 - Landscape]
(Transportation, Waterway and Marine Construction)

Building Construction
[Divisions 7 & 8 subjects for exterior enclosure, Division 6 non-structural subjects, Division 9 except painting and coatings]

Equipment and Furnishings
[Divisions 10, 11, 12 and 14]

Mechanical
[Division 15 and fire protection from Division 13]

Electrical and Communications
[Division 16 and occupant protection subjects from Division 13]

Processes
(Same as Divisions 39 to 49 in Scheme A)

In January of this year MasterFormat users offered two alternative proposals to METT's Schemes A & B. To view a complete draft of each alternative proposal readers may go to the METT site <http://www.csinet.org/technic/mfrevision.htm> and look for **Download the alternate MasterFormat™ expansion proposals, posted January 9, 2003.**

A brief summary of each alternative follows:

Alternative Proposal C dispenses entirely with the 16 Division format. Characterized as *The Discipline Format* it proposes ten standard tables to be utilized by each discipline. Discipline are designated by an alphabetic identifier (ARCH for Architectural subjects, CIV for civil, ELEC for Electrical and so on).

continued on page 8

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A Simple Plan

The ten tables are:

Table 0: General	Table 1: Basic Materials
Table 2: Applied Materials	Table 3: Systems
Table 4: Effort	Table 5: Costs
Table 6: Completion	Table 7: Maintenance
Table 8: Coordination	Table 9: Other

Each Table contains ten Listings. Table 0 is always identified as *General* while Table 9 is always *Other*. Listings 2 through 8 would vary as appropriate for the subject.

Proposal C anticipates refinements to Table word identifiers and listings would be needed for close coordination with OmniClass Table 5 (which this concept predates). Proposal C authors advocate that CSI create a Construction Thesaurus identifying word preferences and indicating all acceptable variations to be used within this format structure.

The other alternative, Alternative Proposal D is claimed by its authors to hew closely to METT's Guiding Principles (see *Your Role in Expansion of MF* for discussion of these) and two additional Principles of their own:

8. Keep Division 15 and 16 intact
9. Provide subject matter expansion space and allow more than nine items at each level (this is achieved by expanding the current five-digit number system).

Proposal D creates two new Divisions: Division 17 Infrastructure, and Division 18 Processes. Sections within a Division would have a two digit prefix. The current Section 03300 Cast-In-Place Concrete would become, 03-3000 Cast-In-Place Concrete. Lifecycle activities are added at the beginning of each Division, followed by common materials and methods. At the Division level the changes advocated in Proposal D look fairly modest. However, at the Section level Proposal D changes every Section number contained in the existing MasterFormat.

Do you feel like a contestant on Let's Make A Deal? Do you want Scheme A, Scheme B, Proposal C or what Jay has on the tray? Unlike Monte Hall, METT offers us the opportunity of controlling the outcome. I urge you to thoroughly educate yourself about the expansion proposals and participate in the process shaping the Final Draft. You have everything to gain if you will, and a great deal to loose if you do not.

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

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164	145	156	117		94	75	66	47	38	19	10	
163	146	155	118		93	76	65	48	37	20	9	
162	147	154	119		92	77	64	49	36	21	8	
				112	99	91	78	63	50	35	22	7
				111	100	90	79	62	51	34	23	6
				110	101	89	80	61	52	33	24	5
				109	102	88	81	60	53	32	25	4
				108	103	87	82	59	54	31	26	3
				107	104	86	85	58	55	30	27	2
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Good Planning Critical To Recycling Success

The first step to success for every aspect of a construction project is good, sound project planning. Whether it's establishing a coherent project schedule, or customizing a written safety and hazard assessment plan, every hour spent pre-planning can cut countless hours from the time a project will require.

The same is true for establishing a successful plan for construction site recycling. Even if you are working with an owner and/or design team committed to "green building" or sustainable construction practices, creating a good plan for site recycling will make the process easier to manage and potentially more successful.

Here are a few basics to consider:

Pre-Planning & Assessment – most contractors are becoming more familiar with the concept of pre-planning and assessment as it relates to potential job site hazards. These steps are important for tailoring a job-specific safety and loss prevention plan. These same principles apply for successful construction site recycling efforts. For new construction projects, remember to consider recycling when setting up staging for drop boxes and waste handling. On demolition phases and remodeling projects, start by making an assessment of what existing materials can be salvaged, recycled or otherwise diverted from the waste stream.

Put it in the Schedule – every successful project has a successful construction schedule. Whether you use a Critical Path Method (CPM) of project scheduling and planning, or whether your project plan is less formal, remember to incorporate the basic steps for successful recycling into your project schedule: material assessment, salvage, recycling, diversion, or even innovations such as deconstruction. A helpful step to bolster successful planning would be to include discussions of recycling opportunities and material assessments in your daily progress meetings or safety meetings.

Build Team Support – generating project-wide awareness and support for your recycling efforts will be critical to your overall success. Just as you set a "climate" for safety on every project, you can do the

same for recycling and green building practices. Consider instituting a waste reduction incentive program among your employees, your subcontractors and your suppliers. Set recovery goals for each project. For specific phases of a project, and company-wide, just as you would for safety awareness. Post additional signage on your job referring to recycling efforts and goals, and consider including the many posters, signs and tools available from Metro to aid in recycling and salvage efforts. Communicate with your drop-box provider or waste management contractor to let them know your goals and intentions for recycling and waste reduction on every job site.

Be Creative & Make It Easier – space considerations are a major concern for most projects, especially for commercial and residential remodeling jobs. Limited space can thwart efforts to establish source-separated recycling efforts on a job site. Be creative and look for ways to make the jobs easier. If your drop box provider takes loads offsite to a transfer station or a Material Recovery Facility (MRF), it allows you to mix different types of dry waste in a single drop box and still ensure that your debris will be recycled. [Note: A couple major exceptions to that rule involve food waste and hazardous materials. Crew lunch waste should not go into a mixed-load you want separated or recycled!] Ask your drop box hauler if they are working with a MRF.

Use Local Resources – there are a growing number of agencies and organizations available to help you maximize recycling, salvage and other waste reduction activities. PGE has several programs available through their Green Building Services program. The City of Portland provides a number of resources through their Office of Sustainable Development. Metro staff is also available to visit your company or any job site to offer recommendations for making your projects or your company more resource-efficient. Contact Metro directly at (503) 234-3000, visit their Web site at www.metro-region.org/toolkit, or click on the link at your association's Web site.



**Report on the January 14 meeting
"2003: A Test of Resiliency."**

History does repeat itself! Many years ago, I wrote the articles about the meetings of the Portland Chapter of CSI. Guess what? I am doing it again! Why? Because I have found many of the meetings to be interesting and worth reporting.

The January meeting was no exception. John Mitchell gave an excellent presentation to a joint meeting of Portland Chapter CSI and the Columbia Pacific Chapter of the American Society of Professional Estimators.

He walked around the room with a microphone as he discussed testing the resiliency of the economy in 2003. He began by listing the exciting things going on in taxation both nationally and locally. Second, job growth in Oregon is up from 50th to 16th in the nation in the 12 months ending last November. Job growth is not going as fast as it used to, but the performance over a long period of time is good.

Most older people have been through a recession before, in the early '80's. Younger people have never seen a recession; whether or not we've been in a recession is still not official; we do know the rate of growth dropped way, way off. There is a weakness in equity market, and the possibility of new technology gives a lot of speculation. The economy is growing - there have been five consecutive months of growth. There is only a mild decrease in Gross Domestic Product, and the Producers Cost Index is still fairly high. There is a decline in business investment but no decline in residential investment. There is strength in consumption and residential construction when measured against the decline in business investments. Housing did well.

There are some logical reasons for assuming that things will improve. Companies are going to have to update their equipment. There has been an increase

in productivity without an increase in jobs. Soon we will need to start hiring to continue to increase productivity. The venture capitalists have pulled back after three years of falling net worth. There are credit market jitters and they need to restore their faith before they will invest in the market again.

There is some geopolitical uncertainty now and there is excess capacity. Things that will help are the monetary policy and the expansionary fiscal policy. Productivity will increase with time. The federal tax cut came at the right time. Productivity is up and service prices are rising as goods prices are falling. Interest rates may start to increase in the second half of 2003. We're waiting for business capital and new business formation. We should be able to trust the numbers we get from the auditors.

How will the baby boomers leave the work force when they become 65 or older? There will be increased federal spending when baby boomers retire with Medicare. In Oregon there will be an increase in productivity. Slow process of upturn in employment results in a dichotomy, with increases in home construction and decreases in commercial construction. The Gross State Product for Oregon is about equal to Gross Domestic Product on National level. Oregon is more dependent on manufacturing than we were 10 years ago. Equipment is the weakest part of the current cycle. Oregon job growth is not declining anymore. The "office using sector" is waiting for job growth. He predicts 1 to 1.5 percent growth if national expansion continues to grow; this is not rapid, but steady. We'll see a down turn or flat residential construction. The commercial construction will increase probably by 2004. Oregon's problem is having only one horse (income tax) in the stable. The kicker was given back to Oregonians rather than saved for when the funds were needed.

Mitchell then closed his presentation with a poem on the economy which summed up his presentation nicely.

11

Renewing Members for October 2002

David Beach, CSI
Alan J. Beard, CSI, FAIA
Elizabeth Brockway, CSI
John Burns, CSI
David C. Chaffin, CSI, CDT
Tom Coffey, CSI
Derek J. Hardy, CSI
J.P. Kilbourn, PhD, CSI
John Kouba, CSI

John Lamb, CSI
Thomas R. Lebo, CSI, CDT
Alan Loftness, CSI
Pamela Marlatt, CSI
Michael Maros, CSI
Michelle McClendon, CSI
Phillip R. McCurdy, CSI
Michael S. McKinney, CSI
Carolyn Miller, CSI, CDT

Michael A. Moore, CSI
Ron Ogden, CSI
Chuck Page, CSI, CDT
Bill Pavitt, CSI
Bill Ryan, CSI
Robert V. Schroeder, CSI
Jeff Shearer, CSI
Nick Shur, CSI
Christine M. Steel, CSI, CCS

Eddie Stein, CSI
Walt Suman, CSI, CDT
David L. Thielen, CSI, CDT
Ray Totten, CSI, CCS, AIA
Bruce L. Townsend, CSI
Terry Wildeboer, CSI
Bill Will, CSI
Michael E. Wilson, CSI, CDT
Michael Winegar, CSI

portland chapter csi welcomes new members

The following individuals joined the Institute and the Portland Chapter between January 2002 and November 2002. The information given is according to Institute records (with data in italics from the Membership Committee). Corrections may be made on the Internet at www.csinet.org by following the prompts.

Mr. Tim J. Abrahamson, CSI is a Material Supplier, with Fiber-Fab, Inc., PO Box 78 Gervais, OR 97026-0078. Phone: 503-792-3456, Fax: 503-792-3603, e-mail: tja@fibergab.com.

Mr. Gregory Altotsky, CSI is a Cost Estimator, with SAPA: Becker Company Building Products Division, 2345 N. Ross Avenue Portland, OR 97227. Phone: 503-972-1486, Fax: 503-288-1905, e-mail: galtotsky@anodizing.com.

Mr. Rolando C. Aquilizan, CSI is an Architect, with Ankrom Moisan Architects, 6720 SW Macadam Ave Portland, OR 97219. Phone: 503-977-5208, Fax: 503-245-7710, e-mail: rolandoa@amaa.com.

Ms. Renee A. Baker, CSI is a Marketeer, with Steelscape, Inc., 222 West Kalama River Rd. Kalama, WA 98625. Phone: 360-673-8236, Fax: 360-673-8369, e-mail: renee.baker@steelscape.com.

Mr. Mark T. Barney, CSI is a Manufacturer's Representative, with Northwest Hardware Consultants, 3526 NE 22nd Portland, OR 97212. Phone: 503-248-4040, Fax: 503-248-9899, e-mail: markbarney@qwest.net.

Mr. Timothy W. Blackwood, CSI is a *Geotechnical Engineer*, with GeoEngineers, 7504 SW Bridgeport Road Portland, OR 97224. Phone: 503-603-6672, Fax: 503-620-5940, e-mail: tblackwood@geoengineers.com.

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Mr. Timothy Brunner, CSI is an Architect, with Axis Design Group - Architecture and Planning, 5820 NE Portland Hwy, Suite A Portland, OR 97218. Phone: 503-284-0988, Fax: 503-282-5295, e-mail: timb@axisdesigngroup.com.

Ms. Valerie L. Campbell, CSI is a Project Manager, with URS Coporation, 111 SW Columbia Street #900 Portland, OR 97201. Phone: 503-752-3536, e-mail: valienne@yahoo.com.

Mr. Jim Christie, CSI is a Project Manager, with Creteseal, PO Box 26279 Santa Ana, CA 92799. Phone: 714-429-9890, Fax: 714-429-9895, e-mail: jchristie@creteseal.com.

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Mr. Scott Delk, CSI is a *Manufacturer's Representative*, with Best Access Systems, 14422 68th Avenue Court East Puyallup, WA 98375. Phone: 425-251-6001, Fax: 425-251-4959, e-mail: delks@bestaccess.com.

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Mr. Ryan Hardin is a *Student Member*, 3334 North Terry Street Portland, OR 97217. Phone: 503-289-9555, e-mail: ryanchels@msn.com.

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New Members

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Mr. Bud Henson, CSI is a Material Supplier, with Custom Window Company, 4521 NW Aspen St. Camas, WA 98607. Phone: 360-600-0804, Fax: 360-834-3872, e-mail: bud.henson@customwindow.com.

Mr. Greg Herrenbruck, CSI is a Construction Manager, 12450 SW 19th Ave Lake Oswego, OR 97034-1159. Phone: 209-481-4888, e-mail: herrenbg@toysrus.com.

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To Be Continued in the March Issue

the MINUTES

Portland Chapter, CSI
Board of Directors Meeting
December 3, 2002

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:06 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Inge Carstanjen, Scott Dicker, Carolyn Miller, Jody Moore, Jim Wilson, and Michael Wilson

ABSENT: Cherie McNabb, Robert Schroeder

ALSO PRESENT: Lee Kilbourn

1. TASK TEAM REPORT

•Executive Director: Inge agreed to continue in her role as Executive Director for two additional months. The task team is continuing in their efforts to find a replacement and will present a plan for orderly transition at January's BOD meeting.

•Membership Needs / Wants Analysis: BOD evaluated and discussed the beta version survey. The committee is meeting again next week to finalize and prepare the survey for issue.

2. COMMITTEE REPORTS

•Programs: The December 12th Mystery program is sponsored by Willis Supply. The January 14th program will be on Risk and Insurance. February's program is planned as a debate over MasterFormat, with follow up the following day.

•Education: Metro Construction Debris Recycling seminar scheduled for January 27th and February MasterFormat program. Education committee is looking for assistance to plan and produce additional events.

Scott asked about the possibility of a CCS training program, similar to the CDT training.

3. FINANCIAL REPORT

•The submitted December report was approved.

4. CORRESPONDENCE AND THE WORLD

•An appreciation letter from AIA Portland, OR Chapter was read, thanking CSI Portland, OR Chapter for Architecture Week sponsorship and the Robert Campbell program.

5. BOD MINUTES

•November 5, 2002 Board Meeting Minutes were read, corrected and approved.

ADJOURNMENT: 1:02 P.M.

Respectfully Submitted,
Doug Allen
Secretary

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the FINE PRINT

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

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Kuykendall Marketing Services

Photography: Randy Tessman
Printer: Echo Printing

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	
Dan Graham, CSI, CDT.....	907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	
Andrew Estep, CSI.....	206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	
Perry White, CSI, CDT.....	1-800-344-8042
Spokane, WA (Second Thursday)	
Mark Elliott, CSI, CDT.....	509-624-4281
Portland, OR (Second Tuesday)	
Jim Wilson, CSI, CCS.....	503-222-1917
Capital, Salem, OR (Third Thursday)	
LaVone Clausen, CSI.....	503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	
Rodd Hansen.....	541-687-9600
Idaho, Boise, ID (First Tuesday)	
Jon Farren, PE, CSI, CDT.....	208-429-1309

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THE PREDICATOR

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**What if they make a new MasterFormat,
and nobody uses it?**

Tuesday Evening, February 11, 2003

*This event was made possible by financial support from
Hoffman Construction Co.
and Hanset Stainless*

Event Location

Princeton Building, 614 SW 11th Avenue

Event Timing

2:30pm Symposium in the Alder West Room

5:30pm Meet Your Colleagues in the Ballroom

6:30pm Dinner, Catered by Jake's

7:30pm Dennis Hall Presentation & Break-out Discussion

Cost

\$50 per person — Symposium and Dinner Program

\$30 per person — Dinner Program Only



**Fax your reservation no later than
Feb. 7, 2003 by 5:00pm to (503) 297-3183.**

Checks should be mailed to: CSI, 9578 SW
Morrison St., Portland, OR 97225.
If you have a question, call the CSI Portland
Chapter office at 503-297-2162.

the PREDICATOR

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GOT INSURANCE?

TUESDAY, MARCH 11, 2003

You can't do business without it. "I'm covered!" conveys a feeling of security that allows us to move ahead with all kinds of risky activities and still sleep at night. Covering that risk has built a big business for the companies who are willing to take it and — for a fee — to provide insurance.

But obtaining insurance is not as easy as it was a few short years ago. Insurance companies are refusing business, getting out of certain types of coverage, and are raising the premiums we pay while excluding coverage they have always provided in the past. If you are able to obtain the insurance you need to keep performing the work you have always done, you are paying more — even if you have never had a loss.

On March 11, **John Baker, Attorney with Jordan Schrader** — who is also a registered Architect and former contractor — will tackle this hot issue with our panel.

Insurance Underwriter
Jim Canburn, Durham Bates

Owner's Representative
April Berg, Gerding/Edlen Development

Architectural Risk Manager
Mark Jacobsen, Ankrom Moisan Architects

General Contractor
Jon Grasle, Purchasing Manager Hoffman Construction

- Why is there a problem obtaining insurance?
- What is driving costs?
- How is the premium handled on multi-year projects?
- Strategies to reduce risk, premiums and the likelihood of being sued.
- What are alternatives to insurance?

All of the parties in the construction project are affected by increasing costs, less coverage and difficult decisions. How far can you go without being covered?

Join us on March 11, bring your questions and comments, and participate in a lively interchange about one of the most challenging issues facing our industry today!

Princeton Building — 614 SW 11th Avenue
\$30 per person — Sponsor a table for 8 for just \$220
5:00pm NEW MEMBER ORIENTATION-SEE PAGE 4
5:30pm Meet Your Colleagues in the Ballroom
6:30pm Dinner, Catered by Jake's
7:20pm to 9:00pm Panel Presentation

Register today! See the back cover for all the information.

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VOLUME 42, NO. 8

Portland Chapter CSI
Monthly Newsletter



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president's message

By Jim Wilson, CSI, CCS, AIA



Sweet Home Chicago

I am looking forward to the unveiling of the first CSI Show with ConstructAmerica in Chicago this April 9 through 11. It is exciting to participate in this new structure, which separates The Show from CSI University as part of the Institute's Long Range Plan. The University will occur at

the traditional time for the convention in late June, and will be in Philadelphia this year. As in conventions of years past The CSI Show will feature numerous exhibitors (over 1,400 booths) and 26 hours of continuing education programs on four different tracks. It will be an excellent opportunity to gain new insights, extend your network of industry resources and keep up with your CSI friends. The location in Chicago does not hurt much either with its rich cultural heritage and many attractions. After the past several years of late June events in torrid and sultry climes the date and latitude change are most welcome!

I confess to personal reasons for my excitement at being able to visit Chicago, Cousin Ted. In July of 1981 I was living in Boston. Recently graduated from college and newly arrived, I was not yet gainfully employed. So when the invitation to the wedding of a good friend came, I got on the bus for Minneapolis - the only conveyance my purse would afford. Limited as I was to cash-on-hand I bought a one-way ticket and hoped for the best. The bus is always a pleasure, isn't it? You meet so many, interesting people and see things from that unique pace and vantage. The bus broke down several times enroute so the pace certainly allowed time to savor my vista across Interstate 80. Finally arriving in Chicago it appeared likely that continuing by bus

would have gotten me to the Twin Cities in time to welcome the bride and groom home from their honeymoon. With options as limited as my time and budget, I spent the remaining funds I had on a plane ticket to Minneapolis. By flying I got there in time for the rehearsal dinner, so things were looking up all ready!

The wedding was great. Bride and groom stayed several days with their assembled guests at the family's lake-side home with a multitude of recreational diversions at hand. Everyone had a fine time. Too embarrassed to confide in my hosts about my impecunious state I accepted a lift to the airport, but waited for my arrival in Chicago to figure out what to do next. In 1981 you will recall that, "You may already be winner" was the typical direct mail solicitation not, "You can always carry more than one credit card!" and similar exhortations to use newly minted credit cards to reduce your debt. I had no credit cards, and this was before the day of ATM's, my world was still pretty much cash-and-carry. So I casually called my Cousin Ted and inquired if, as I happened to be in town and had not seen him in oh, 7 or 8 years, might he be free for lunch - which I certainly couldn't pay for?

The outcome of my humble state was a fine lunch and hundred bucks from my Cousin who even got me to the station. Well that experience forged a lasting bond between us and you know I'll be leaving a few days early for Chicago, cause I owe somebody there a good lunch!

Of course the real intent of my little parable is to underscore how the unexpected coupled with a bit of faith and understanding can result in experiences with lasting memories and enduring friendships, and you may even prosper financially! Hope you will be in Chicago for The CSI Show this April too!

This BS Column is written by **Kasey Rothenfluch** CPSM of **PAE Consulting Engineers Inc.**, 808 SW 3rd Avenue Suite 300, Portland OR 97204-2426, Tel: 503-226-2921. I guess you might say I subcontracted this article. I have had many requests to write an article on Sustainable Design and I just couldn't figure it all out so I called for help. Kasey's Sustainable Design write-up follows.

SUSTAINABLE DESIGN

Sustainable design is a collaborative process that ultimately strives to preserve our environment while also providing a positive image for the owner and savings in operating costs.

"The earth belongs to each generation, and no generation can contract debts greater than may be paid during the course of its own existence."
~Thomas Jefferson

Today's generation of sustainable designers strive to achieve this goal when designing green buildings. Green building design embodies a design intent on balancing environmental responsiveness, resource efficiency, and cultural and community sensitivity. It includes the design and construction team, maintenance staff and building occupants. Emphasizing the importance of early involvement between the entire design team is critical to a sustainable project's success. Raising awareness that each element/system has a direct impact on other elements/systems is the most vital component of a truly sustainable building.

Sustainable design approaches include reducing, and ultimately eliminating, the use of nonrenewable materials and energy sources. Sustainable development provides a framework under which communities can use resources efficiently, create efficient infrastructures, protect and enhance quality of life, and create new businesses to strengthen their economies. It can also help create healthy communities that can sustain our generation while leaving a healthy ecosystem for future generations.

One concept of the ultimate sustainable building is one that produces its own power without pollution, captures its own water and reuses it, recycles all its own waste, and is flexible enough to accommodate future generations. The benefits of a green building include: **1.** Reduced operating costs. **2.** Enhanced

building marketability. **3.** Increased worker productivity. **4.** Reduced potential liability resulting from indoor air quality problems.

USGBC LEED™

To assist in sharing the knowledge of sustainable concepts and materials, and to provide recognition of projects that achieve their sustainable goals, the United States Green Building Council (USGBC) has developed the **LEED™** (Leadership in Energy and Environmental Design) Green Building Rating System. This system evaluates environmental performance from a whole building perspective over a building's life cycle, providing a good standard for what constitutes a green building. **LEED™** is organized into five environmental categories: **1.** Sustainable Sites. **2.** Water Efficiency. **3.** Energy and Atmosphere. **4.** Indoor Environmental Quality. **5.** Materials and Resources. An additional category, Innovation and Design Process, addresses design measures not covered under the five environmental categories as well as sustainable building experience.

LEED™ is a featured-oriented system where credits are earned for satisfying each criterion rating for new and existing commercial, institutional, and high-rise buildings. Currently there are 600 buildings totaling approximately 800 million square feet registered for **LEED™** acceptance. The Pacific Northwest has been an early adopter of the **LEED™** Rating System with a half-a-dozen buildings currently certified and many others registered. There are four categories for **LEED™** certification available which serve as a yardstick by which the nation's most energy-efficient and environmentally sensitive buildings are measured: **1.** Platinum (52-69 credits) **2.** Gold (39-51 credits) **3.** Silver (33-38 credits) **4.** Certified (26-32 credits)

THE NATURAL STEP

Another resource to utilize when striving to achieve sustainability is The Natural Step (TNS), an international network of nonprofit organizations constituted to accelerate the movement toward a sustainable society. TNS provides a planning framework because it helps create a shared mental model from which to build consensus and take action. When adopted by an organization, the conditions can create a fundamental change enabling organizations to

3

the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

Mar. 11 *CSI Awareness Month*
Risk Control: Shifting Liability and Rising Costs.
Our panel sounds off!
New Member Orientation

Apr. 8 **Skin Design**
The biggest source of construction angst is the waterproof envelope.

May 13 **Portland's Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair. See insert

Aug. 8 **Portland's CSI Annual Golf Tournament**
Red Tail Golf Course
Contact Erica Bitterman at 503-274-2030.

Region & National CSI Events

Apr. 8 **Institute Certification Exam**
Portland, Oregon

Apr. 9-11 **The CSI Show at CONSTRUCT AMERICA,**
Chicago, IL
Plan now to attend! (NW Region Business meeting has been scheduled for 5:45pm, April 8, at the Chicago Hilton. The 2003 Region Dinner will be held on evening of April 9, after the Welcome Reception.)

June 26-28 **CSI University**
Philadelphia, PA

Oct. 2-5 **Region Conference**
Boise Riverside Double Tree Hotel

*For more information, call the CSI office:
503-805-2500.*

Other Events

2003

Aug. 20-23 **AIA Regional Convention**
Oregon Convention Center

NEW MEMBER ORIENTATION

March 11, 2003

Yes, it has been a while, and now we are back at it. An informal meeting of anyone who has joined CSI in the last year and would like to meet the current officers and get to know other recent CSI additions. Starts at 5:00pm, right before the March CSI dinner meeting. Wine and cheese will be served. This is your chance to get your super fabulous, limited edition CSI pin! Contact Michael Muhle, 503-284-6799 x18 to reserve your spot.

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predictor*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

NEW ADMINISTRATIVE DIRECTOR

The Portland Chapter of CSI would like to welcome Jane Phifer as our new Administrative Director.

Jane has been active in the construction industry in the metro area for over eight years. She provides Executive Director services to the Oregon Chapter of the American Concrete Institute and Executive Secretary services to the Structural Engineers Association of Oregon. For these organizations she has provided support for seminars, trade shows, golf tournaments, board and dinner meetings. Jane also works on the newsletters and bookkeeping for both organizations. Jane will be working with Inge during a transition period over the next several weeks. Please be sure to give her a special welcome at our March 11 program.

The CSI board believes Jane's skill will be a valuable asset and welcome addition to our organization as well as provide CSI with a liaison to two other professional groups involved with the construction industry.

THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

- Exhibits
- Technical Education
- General Sessions
- Networking Events
- CSI Annual Meeting & Member Forum
- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

The CSI Show™ will co-locate with The TFM Show™ in 2003 at the debut of Construct America™. Attendees may take advantage of two trade shows, side-by-side, with the ease of registering to attend only one show.

For more information about Construct America™, please visit www.constructamerica.org.

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AIA Seattle and Portland Present

Quality in Design Practice — March 19, 8LU

Charles Nelson AIA, FRAIA, 2003 Chair of the AIA Practice Management PIA Advisory Group, will lead a workshop that explores his research that was developed from design practice experts in the US, Australia and the UK, and case studies from design quality systems.

SESSION 1: Design management, productivity and quality. Participants will share their management successes and frustrations, develop design management strategies and learn productivity and quality techniques that can be immediately implemented in their practices.

Lunch Session: Is the Architect a "Trusted Adviser" or "Just a Commodity"?

SESSION 2: Continual improvement in the project delivery process: This session will illustrate how to build and maintain a dynamic, responsive continual improvement program that will support creative efforts of the design team throughout the process. Charles is currently editor and author of "Managing Quality in Architecture: A Handbook for Architects, Project Managers and Designers" (to be published in 2004)

Moisture Control Through Rainscreen Design

— **March 20, 7LU, 7HSW**, Chester Machiniewski PE, BEE Building Envelope Engineering will present a full day course to give architects and designers an appreciation of the limitations of current construction practice and to provide information to enable a basic Rainscreen Building to be designed.

SESSION 1: Introduction to Rainscreen Design: this session will discuss Building Envelope components, description and details including air, vapor and water resistant barriers; flashings, roofing and wall penetrations.

SESSION 2: Practical Mock-ups of window and wall assemblies: Chester will demonstrate with hands on mock-up demonstrations of different window types, siding and wall penetrations. Chester has studied extensively the effects of widespread building failures due to water intrusion/mold issues in Canada and the Pacific Northwest.

Registration for AIA Seattle Continuing Education events online at: www.aiaseattle.org AIA Seattle Carolyn Forbes, Managing Director, Phone:206-448-4938 Fax:206-448-2562 E-mail:cforbes@aiaseattle.org



Let's Dance — to the same tune!

(Report on a joint session between members of the Technical Committees of the Structural Engineers Association of Oregon and the CSI Portland Chapter Specifiers Share Group)

On January 30th a bunch of architects got together with a bunch of structural engineers for a big dance (well, lunch). The objective of our meeting was to “compare notes” on slab-on-grade moisture requirements to see if we could help move our industry—at least in this region—toward more consistent slab construction specifications. Even though slab moisture issues have been getting quite a bit of attention in recent years, there are still some significant differences in the way that the slab moisture protection requirements are specified. Some observers have noticed that soils engineers, structural engineers and architects are specifying different things, some of which are possibly creating more problems rather than solving them. Contractors are often being told to install the slab one way on one job and then a different way on the next job!

Well, the first thing we learned from the engineers is that they don't really care very much about the slab—from a structural point of view. Bob Walker pointed out, and the other engineers agreed, that most of the time the slab is not an essential component of the building structure. It is there to support the loads placed on it (generally light) and only in those cases where there is significant point loading or the slab is part of the seismic design is it necessary for it to be “engineered.” Traditionally engineers refer to these lightly loaded slabs as “architectural slabs” and specify reinforcing, concrete mix design, etc. to reduce cracking and curling. More important to the structural performance of the slab is the underlying conditions of soil and base material placed over the soil. End of discussion. The engineers were throwing the whole thing back on the Architects! The SEA guys didn't want to dance!

Actually we did end up having a productive

discussion that led to some recommendations that we would like to communicate to our peers and others who are responsible for the construction of slabs-on-grade in buildings. We started by listing the things we don't want to happen to slabs:

- Cracking (other than hairline)
- Curling (upturning of the slab edges)
- Floor finish failures
- Moisture flow to building interiors

We then reviewed the requirements that are most commonly specified for slabs to learn which ones might be creating conflicts. We found that projects were pretty consistent in the requirements for soil compaction and rock bases below slabs, in reinforcing slabs (with more than wire mesh or fiberglass fibers), in limiting the amount of water in the concrete mix, and in the use of a vapor retarder. We identified two areas of inconsistencies: the exact placement and protection of the vapor retarder and slab curing procedures.

Vapor Retarders

There was considerable focus on the vapor retarder membrane when it is placed below the slab. When vapor retarder membranes were introduced some time ago they mostly consisted of 4 mil polyethylene film (Visqueen™) that ended up highly perforated by the time the concrete got poured, more or less defeating their purpose. One response to this was to place a layer of pea gravel or sand on top of the sheet to help protect the membrane against punctures. The structural engineers, who don't like the vapor retarder idea in the first place because it inhibits the slab's ability to release water during curing, saw the sand layer as giving a place for the bleed water to go. To them, this layer became known as a “blotter” layer. This practice ended up being introduced into certain industry standards and became a common, although not universal, requirement in geotechnical reports as well as structural and architectural specifications.

Over this same time period “vapor retarder” membranes have evolved from the Visqueen™ sheets of questionable value to extremely durable membranes, usually 10 mils or greater in thickness, of very low permeability. Unfortunately the

What Do You Say?

properties of these new membranes that made them good at blocking the path of ground moisture to the slab also effectively trapped any moisture that migrated into the sand. This moisture could be from the slab curing process, construction water or precipitation. During the intense focus on flooring failures in recent years, the “blotter” layer became one of the prime suspects in the effort to track down the sources of unwanted moisture in slabs after construction. As a consequence, the organizations that previously recommended this practice (Portland Cement Association and American Concrete Institute) are no longer promoting it. Those in attendance agreed that the “blotter” course shouldn’t be used, particularly in climates like those in western Oregon and Washington. The engineers attending still expressed the importance of allowing the slab to cure as uniformly as possible.

We acknowledged that in the world-at-large not everyone agrees that there should be a vapor retarder membrane and those who specify them vary with where they put them: either directly below the slab or between the rock base and the soil. Some argue that the rock base, by itself, adequately separates the slab from any moisture. And some who use a vapor retarder locate it at the surface of the slab in the form of an applied sealer.

Slab Curing

We briefly discussed curing methods and generally agreed on the preference for a moist cure that let the slab lose moisture gradually as it reached its designed strength. There was also acknowledgement that there were often construction and economic factors that compelled accelerated curing, which produced a need for other curing methods. Since time did not allow us to explore this issue further, we decided to save this “dance” for later.

We agreed on the following recommendations:

- Always separate the slab from ground moisture with a rock base layer of thickness recommended by the Geotechnical Engineer and prepared to adequately transfer structural loads to the soil

- Reinforce slabs with reinforcing bars in 2 directions (crack control), rather than wire mesh (Fibers may be substituted in certain circumstances, when acceptable to the structural engineer)
- Place reinforcing in the middle 1/3rd of the depth of the slab, preferably above the center.
- Design concrete mixes with low water-to-cement ratios that minimize the volume of cementitious paste (which minimizes shrinking and/or curling)
- Use a 10 mil or greater ASTM E1745 Class “B” or better vapor retarder membrane
- Place membrane between the slab and the rock base (there was not total agreement on this item)
- Specify curing methods that optimize both concrete strength and release of moisture
- Specify Quality Control procedures that assure compliance with specifications, including Pre-installation meetings and installation observation by the Architect.

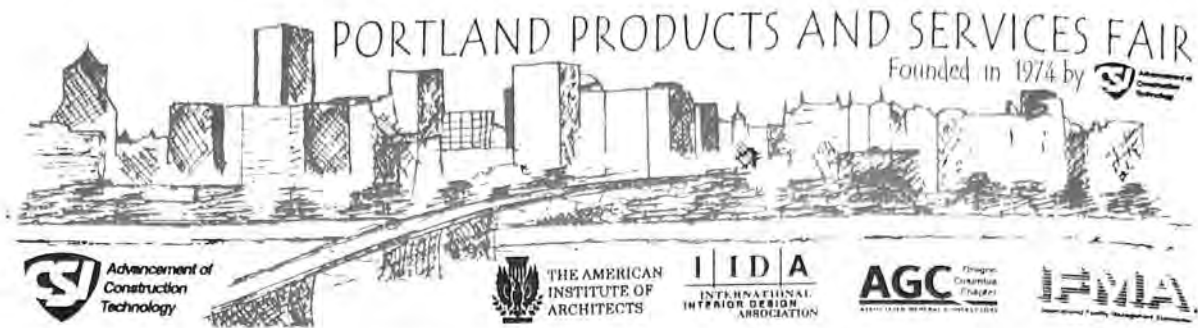
We don’t know whether this meeting was a first, but if so, it was a nice precedence and we thought we should do it more often when we have mutual interests to discuss. And if we are going to dance we all preferred that we did so on a dry floor!

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SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).



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Please sign above to validate your reservation.
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167	142	139	114	97	72	69	44	41	16	13						
166	143	138	115	96	73	68	45	40	17	12						
165	144	137	116	95	74	67	46	39	18	11						
164	145	136	117	94	75	66	47	38	19	10						
163	146	135	118	93	76	65	48	37	20	9						
162	147	134	119	92	77	64	49	36	21	8						
Buffet Tables				91	78	63	50	35	22	7						
				161	148	133	120	112	99	90	79	62	51	34	23	6
				159	150	131	122	110	101	89	80	61	52	33	24	5
				158	151	130	123	109	102	88	81	60	53	32	25	4
				157	152	129	124	108	103	87	82	59	54	31	26	3
				156	153	128	125	107	104	86	83	58	55	30	27	2
				155	154	127	126	106	105	85	84	57	56	29	28	Bar
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These are in fact going to be "Notes" because I have several topics and I am going to write brief notes about each topic.

The First Topic is "BS by KS."

Margie Largent has titles for all of Ken Searl's columns beginning with November, 1974. The list is available upon request. With this list, an individual can find the location of any of Ken Searl's columns by topic.

The Second Topic is "What if they make a new MasterFormat, and nobody uses it?"

After carefully taking notes on the presentation by Dennis Hall, FCSI, CCS, AIA, it was discovered that the next draft should be available on the CSI's Web Site by the time this is published.

The Third Topic is "One Woman's Unique Architectural Journey - The Life and Times of Mary Alice Hutchins, FCSI, FAIA." Portland State University is thinking of doing a "Woman's Study Project" and Mary Alice Hutchins' name has been submitted for possible inclusion.

The Fourth Topic is Rosalind Franklin.

Reading an excellent book about her life and research on discovering the structure of DNA (the nuclear material of cells). Rosalind died before she could be awarded the Nobel Prize but those who used her research did win the Nobel Prize.

All for this month!

Perky

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3. ...degradation by physical means. This requires that we critically examine how we harvest renewable resources and adjust our consumption and land-use practices to fall well within the regenerative capacities of ecosystems. And, in that society...
4. ...human needs are met worldwide. This means that there must be a fair and efficient use of resources to meet human needs.

The TNS network has a construction industries group that strives to incorporate these values into our industry. For more information contact Duke Castle with the Oregon Natural Step Network at dukec@attbi.com.

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the real world

By Ed Loy, CSI, CDT

SNODGRASS, REBUFFED SPEC WRITER



MY APPLICATION TO BE A MEMBER OF THE TEAM
WORKING ON THE NEW MASTERFORMAT WAS RATHER
RUDELY REJECTED. THEY SAID I FIRST NEEDED TO
HAVE AT LEAST A RUDIMENTARY AWARENESS OF
THE OLD ONE.

Renewing Members for December 2002

Philip J. Agnelli, CSI
Mike L. Beeson, CSI, CDT
Keith V. Blodgett, CSI, CCPR
Julie A. Bronder, CSI, AIA
David R. Brown III, CSI, CCS
Bill Coady, CSI, CCPR
Mark K. Cooper, CSI
Mike DeBonny, CSI
Eric Eckfield, CSI
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Eric R. Hansen, CSI
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J. Knott, CSI
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Steven L. McBride, CSI
Mark Newberry, CSI
Donald Pfaff, PE, CSI
Xavier E. Rueda, CSI
Alan Scott, CSI
Jim Sheehan, CSI, CDT
Ken Smith, CSI, CDT, AHC
Isaac Tevet, CSI, AIA
O. Van Luenen, CSI
Gary P. Velikanje, CSI, CDT
Michael J. Watson, CSI, CDT
Stephen Wobber, CSI, CDT

portland chapter csi welcomes new members

Portland Chapter CSI Welcomes New Members (This list is continued from the February Issue)

The following individuals joined the Institute and the Portland Chapter between January & November 2002. The information given is according to Institute records (with data in italics from the Membership Committee). Corrections may be made on the Internet at www.csinet.org by following the prompts.

Mr. Arthur R. Larsen, CSI is an Architect, with Arthur Larsen, Architect, 408 Columbia Avenue Hood River, OR 97031-2044. Phone: 541-386-5431, Fax: 541-387-3241, e-mail: larsenarch@aol.com.

Ms. Patti Lundgren, CSI is a *Project Manager*, with ES & A Sign and Awning, 10213 NE Marx Portland, OR 97220. Phone: 503-542-2100, Fax: 503-542-2105, e-mail: plundgren@esasigns.com.

Mr. Theodore M. Lundy, CSI is an Architect, with Kaiser Permanente, 500 N.E. Multnomah Street Portland, OR 97232. Phone: 503-813-4672, Fax: 503-813-4674, e-mail: tod@pacifier.com.

Ms. Kitty J. Mackey is a *Student Member*, 2055 S.E. Meadow Ct. Gresham, OR 97080. Phone: 503-723-0171, e-mail: twoplayfulotters@qwest.net.

Ms. Adonica Marshall, CSI is an Architect, with Yost Grube Hall Architecture, 1211 SW 5th Avenue, Suite 2700 Portland, OR 97204-3782. Phone: 503-715-3219, Fax: 503-295-0840, e-mail: adonica@ygh.com.

Philip O. Martinson, CSI, CDT is a Civil Engineer, with Phil Martinson Engineering, Inc., 15025 SW 88th Avenue Portland, OR 97224. Phone: 503-684-4444, Fax: 503-210-0360, e-mail: PHILMARTINSON@EARTHLINK.NET.

Mr. Steven L. McBride, CSI is a Consultant, with Professional Roof Consultants, Inc, 4035 NE Sandy Blvd., Suite 240 Portland, OR 97212. Phone: 503-671-9393, Fax: 503-626-5208, e-mail: smcbride@professionalroofconsultants.com.

Mr. Michael S. McKinney, CSI is a Manufacturer's Representative, with Specified Technologies Inc., 108 SE 124th Avenue Vancouver, WA 98684. Phone: 360-896-1536, Fax: 360-896-1551, e-mail: specseal@msn.com.

Mr. Bryan Monroe, CSI is a General Contractor, with Commercial Contractors, Inc., 1265 S. 35th Place Ridgefield, WA 98642. Phone: 503-227-4440, Fax: 503-227-6644, e-mail: bryan@ccige.com.

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Mr. Wade Nash, CSI is a *Manufacturer's Representative*, with Spec Systems, LLC, 17455 - 68A- Avenue, NE, Suite 102 Kenmore, WA 98028. Phone: 206-719-6441, Fax: 425-487-1378, e-mail: wnash0101@aol.com.

Mr. Mark S. Parker, CSI is a Manufacturer's Representative, with Royal Mat, 1102 N. Springbrook Road Suite 231 Newberg, OR 97132. Phone: 503-538-9533, Fax: 503-538-4918, e-mail: markp187@attbi.com.

Mr. Ron J. Preston, CSI is an Architect, with Moda Design, LLC, 323 NW Sixth Avenue Portland, OR 97209. Phone: 503-228-9117, Fax: 503-228-1238, e-mail: ron@modadesign.com.

Mr. George Retz, CSI is an Architect, with McBride Architects, P.O. Box 13705 Portland, OR 97213-0705. Phone: 503-916-1808, Fax: 503-916-1816, e-mail: gretz@mcbridearchitec.

Mr. Michael A. Rudis is a *Student Member*, 760 SW Vista Ave. #23 Portland, OR 97205. Phone: 505-516-6767, e-mail: michaelrudis@attbi.com.

Mr. Douglas W. Sams, CSI, AIA is an Architect, with Zimmer Gunsul Frasca Partnership, 320 SW Oak Street, Suite 500 Portland, OR 97204. Phone: 503-224-3860, Fax: 503-224-2482, e-mail: dsams@zgf.com.

Mr. Scott Shaffer, CSI is a Sub Contractor, with W.H. Cress Company, 966 SW Katherine Street Tigard, OR 97223-5270. Phone: 503-620-1664, Fax: 503-620-5834.

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continued from page 12
New Members

Ms. Jennye Smith, CSI is a Support Personnel, with LSW Architects, PC, 2300 Main Street Vancouver, WA 98660. Phone: 360-694-8571, Fax: 360-694-9510, e-mail: jennyecs@lsw-architects.com.

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Mr. Matthew Stanwood is with Milstead & Associates, 10121 SE Sunnyside Road, Suite 335 Clackamas, OR 97015. Phone: 503-654-2336, Fax: 503-654-2698, e-mail: matthew@milstead.com.

Ms. Angela R. Streich is a Student Member, 1880 S.W. Fifth Ave. #28 Portland, OR 97201. Phone: 503-297-7252, e-mail: elachelle2@yahoo.com.

Ms. Teresa Swick, CSI is a Manufacturer's Representative with Teresa Swick & Associates, PO Box 98793, Des Moines, WA, 98198. Phone: 253-946-2464, Fax: 253-946-8247, e-mail: teresaswick@msn.com.

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Mr. Travis Wade, CSI is a Sub Contractor, with Willamette Fence Co., Inc., 11304 NE Marx Portland, OR 97220. Phone: 503-285-2761, Fax: 503-255-6410.

Mr. Randy Webb, CSI is a Material Supplier, with Webb Core Inc., 3112 Schmidt Ln. Hubbard, OR 97032. Phone: 503-981-4388, Fax: 503-981-2177.

Mr. Terry Wheeler, CSI is a Manufacturer's Representative, with Certainteed, 17814 161st. Ave. SE Renton, WA 98058. Phone: 425-793-4346, e-mail: terry.d.wheeler@saint-gobain.com.

Mr. Kent Wong, CSI is an Architect, 6103 SW Kruse Ridge Dr. Portland, OR 97219. Phone: 503-977-3846, e-mail: kentaw@msn.com.

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the MINUTES

Portland Chapter, CSI
Board of Directors Meeting
January 7, 2003

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:05 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Inge Carstanjen, Cherie McNabb, Carolyn Miller, Robert Schroeder, Jim Wilson, Michael Wilson

ABSENT: Scott Dicker, Jody Moore

ALSO PRESENT: Lee Kilbourn, John Lape

1. TASK TEAM REPORT

•Executive Director: The task team met with Update Management Company. Their services are diverse, flexible and could expand or contract with the needs of the chapter. Their service includes assigning a contact person to the chapter for consistency. The task team is meeting again this week to consider other service providers and interested parties. It was stated that the task team should have a job description and be cautious about the overhead of a service vs. one person in CSI that might be more enthusiastic or better represent us.

•Membership Needs / Wants Analysis: Finalizing the survey for issue with the February The Predicator.

2. COMMITTEE REPORTS

•Programs: January 14th, will be a joint meeting with ASPE. Their speaker is economist John Mitchell. The program will be great and a perfect opportunity to evaluate the Marriott as a possible future meeting location for CSI. February 11th, Dennis Hall will speak on the MasterFormat revisions. The next committee meeting planned for Monday the 13th. To discuss the possibility of a new member orientation in conjunction with CSI awareness month in March.

•Products Fair: Vendor reservations are coming in. Keynote speaker candidates are shaping up. An educational seminar by Formare Technica Ltd., focusing on communication skills and tactics, with slots for 3 other events are planned.

•Education: Metro Construction Debris Recycling seminar scheduled for January 27th with a sign up sheet in The Predicator. A

seminar on MasterFormat will occur prior to the regular February meeting.

•Nomination: One board position runs out in 2003, and we need candidates for President Elect and Treasurer. Joe will be coordinating nominations and looking for others to assist with the committee.

3. FINANCIAL REPORT

•Revenue is exceeding expenses.

4. CORRESPONDENCE AND THE WORLD

•John Lape submitted his resignation from current activities with the Portland chapter to be effective at the end of this fiscal year. He is moving to Spokane, Washington. The Board offered their best wishes to John, and thanked him for his many years of invaluable efforts for the organization.

•March is CSI awareness month.

5. BOD MINUTES

•December 3, 2002 Board Meeting Minutes were, corrected and approved.

ADJOURNMENT: 12:57 P.M.

Respectfully Submitted,
Doug Allen, Secretary

the FINE PRINT

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ecwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

THE PREDICATOR STAFF

Editor: Dianne Kuykendall,
Kuykendall Marketing Services
Photography: Randy Tessman
Printer: Echo Printing

the CONTACTS

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Membership — Co-Chairs	Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400 Pat Murphy, CSI.....503-285-4557
Nominations	Jody Moore, CSI, CDT.....503-284-6799
Operations Guide	Ken Scarl, FCSI, CCS.....503-362-3472
Orientation	Michael Muhle, CSI, CDT.....503-284-6799
Planning	Curt Austin, CSI, CCPR.....503-238-1253
Product Rep Share Group	Randy Tessman, CSI.....503-318-8046
Products and Services Fair — Co-Chairs	Cornelia Gibson, CSI, CDT (Attendees).....503-624-7444 Cherie McNabb, CSI, CDT (Vendors).....360-600-8444
Programs — Co-Chairs	Jody Moore, CSI, CDT.....503-284-6799 Scott Dicker, CSI, CDT.....503-639-7045
Publicity	Dianne Kuykendall, CSI.....503-631-3782
Specifiers Share Group & Technical	Michael Madias, CSI, CCS.....503-224-6767 David Shelman, CSI, CCS.....503-227-1254
Student Affairs — Co-Chairs	Randy Tessman, CSI.....503-318-8046 Igo Jurgens, CSI, AIA.....503-223-0992
Student Affiliate	Rudy Barton.....503-725-3339
Webmaster	Rick Heiserman, CSI, CDT, AIA.....503-892-1321

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2000-2002	Bob Kenworthy, CSI, CCS, CCCA Tel: 253-931-4826 fax: 253-804-4502 e-mail: bkenworthy@mx.auburn.wcdnet.edu Auburn School District #408 915 4th Street NE Auburn, WA 98002-4499
2001-2003	Jeff Callahan, CSI, CCCA Tel: 907-786-6425 fax: 907-786-6444 e-mail: afjcc1@uaa.alaska.edu University of Alaska Anchorage PO Box 104882 Anchorage, AK 99510

Region Website
www.csinwr.org

REGION COMMITTEES

Academic Affairs	Ed Storer, CSI, CCS.....206-223-5052
Archives	Bob Hesseltine, CSI, CCS.....503-765-0374
Awards — Co-Chairs	Gerald McDonnell, CSI.....541-344-9157 Karen Morris, CSI, CDT.....208-343-3620
Certification	Sherry Harbaugh, CSI, CCS.....509-456-6525
Education	Rick Heiserman, CSI, CDT, AIA.....503-892-1321
Membership	Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400
Newsletter/Website Editor	Inge Carstanjen, CSI, CDT.....503-297-2162
Newsletter Publisher	Sheila Kenworthy.....253-565-1797
Region Conference Direction Committee	Art Nordling, FCSI, CCS.....509-838-8681
Region Operating Guide	Ken Scarl, FCSI, CCS.....503-362-3472
Region Trustee	Larry Barger, CSI, CCS.....360-943-4650
Strategic Planning Task Team	Igo Jurgens, CSI, AIA.....503-223-0992
Technical	Jim Adkins, CSI, CCS.....206-634-0570
Webmaster	Rand New, CSI, CDT.....541-688-5594

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	Dan Graham, CSI, CDT.....907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	Andrew Estep, CSI.....206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	Perry White, CSI, CDT.....1-800-344-8042
Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
Portland, OR (Second Tuesday)	Jim Wilson, CSI, CCS.....503-222-1917
Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
Idaho, Boise, ID (First Tuesday)	Jon Farren, PE, CSI, CDT.....208-429-1309

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THE PREDICATOR

315 SW 4th Avenue
Portland, OR 97204-2342

Address Service Requested

March 2003

ROBERT R. KLAS CSI
STOA INT'L - EKA
6775 SW 11TH AVENUE SUITE 20
BEAVERTON, OR 97008



Name: _____

Company: _____

Telephone: _____ Fax: _____

Guest(s): _____

Payment Method: Check Visa MasterCard

Amount: _____
(\$30 per person — Sponsor a table for 8 only \$220)

Student: _____ (No Charge)

Cardholder Name: _____

Cardholder Address: _____
(complete billing address, including zip code required)

Card Number: _____ Expires: _____

Authorized Signature: _____

GOT INSURANCE?

Tuesday Evening, March 11, 2003

Don't miss this dynamic panel discussion!

Event Location

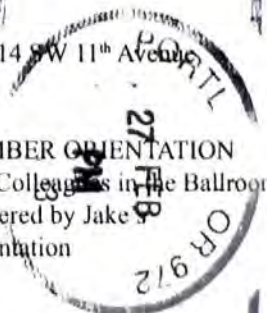
Princeton Building, 614 SW 11th Avenue

Event Timing

5:00pm NEW MEMBER ORIENTATION
5:30pm Meet Your Colleagues in the Ballroom
6:30pm Dinner, Catered by Jake
7:20pm Panel Presentation

Cost

\$30 per person — Sponsor a table for 8 for just \$220



**Fax your reservation no later than
Mar. 7, 2003 by 5:00pm to 1-503-587-0337 (Salem).**

Checks should be mailed to: CSI, PO Box 5116,
Salem, OR 97304.

If you have a question, call the CSI Portland
Chapter office at 503-805-2500 (Portland number).

*improving the process of creating and sustaining the built environment***GETTING UNDER THE SKIN****TUESDAY, April 8, 2003****IN THIS ISSUE**President's Message
Page 2BS by KS
Page 3The Calendar
Page 4The Announcements
Page 5What Do You Say?
Pages 6 & 7Products & Services Fair
Pages 8 & 9CSI Golf Tournament
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Page 13The Minutes
Page 14The Contacts
Page 15

VOLUME 42, No. 9

Portland Chapter CSI
Monthly NewsletterAdvancement
of Construction
Technology

What you see isn't necessarily what you get. Young buildings that appear to be fine often conceal an insidious intruder. Moisture captured under the skin, and the mold growth that it fosters, is creating one of the most difficult and damaging problems our industry has ever faced.

Understanding why this is happening, design and construction solutions to the problem and how it affects you is critical to your ability to work in construction today.

On April 8, We will present the opinions and experiences of three professionals who work every day to control the way water flows over — and under — the building skin.

General Contractor**Mike Steffen, CSI, Walsh Construction**

Quality Control Manager, has seen the results of building techniques that both work and fail, and it is his job to provide projects with the certainty that both the design and the construction will perform.

Professional Engineer

Chester Machiniewski, Building Envelope Engineering Vice-President, is an expert on the Rainscreen design. He spends half of his time consulting on fixes for problem buildings and the other half helping architects and contractors design and build new projects with a rainscreen. Chester will bring mock-ups of window and wall assemblies to provide you a hands-on experience with a rainscreen system.

Registered Architect

Rob Kistler, AIA, Founding Principal of The Façade Group provides consulting in the US and Asia for the design, construction and detailing of building skins including curtainwall, stone, brick, aluminum panels, precast and windows.

Our presenters will address these issues and the questions you bring:

- Why mold and water intrusion has become such a big problem now.
- How a building stays dry when the skin allows water behind it.
- When good skin design reduces the need for sealants.
- Costs of using a Rainscreen on your project.
- Products that work best with a Rainscreen design.
- When you may find yourself in a lawsuit— even if you didn't work on the skin.

Join us on April 8, and get some solid information and better understanding of how clearing up building skin problems affects you and your business.

Register today! See the back cover for easy reservations.

*This building has a secret
that makes it perform!*

president's message

By Jim Wilson, CSI, CCS, AIA



The Portland Chapter CSI Technical Committee has had a series of discussions over the course of the MasterFormat Expansion process. As the time for comment after the release of draft proposals in January was limited, the Board authorized the Technical Committee to respond to the MasterFormat propos-

als as the representative of the Chapter. The Technical Committee held further deliberations after MasterFormat Draft 3 was released late in February. Below is a draft of the statement which will be discussed further and finalized for delivery to the National Board and Executive Committee prior to the Annual Meeting at the CSI Show in Chicago on April 12. The exigency of The Predicator's publishing schedule could not admit waiting for the final version, and I felt Dave Shelman's adroit summary of these issues and concerns over the expansion process should be shared with all of our members.

itself the Board/MFETT process, and the coming implementation. We would like to elaborate on both these concerns, addressing ourselves to the Board and the MFETT.

But first we would like to recognize the efforts of the MFETT. The Task Team's charge has been daunting and anyone who has observed their work must respect their commitment to the task. The complexity of the work has taken a year longer than anticipated and has generated four separate approaches, one of which was translated into two versions.

THE PROCESS

Communication with CSI members

While the Board and key regional leaders may well understand the expansion of MF in relation to CSI's long-ranging planning goals—"to be the premier integrating force in the United States for improving the process of creating and sustaining the built environment"—the Institute's constituents have not. This disconnect has created consternation and misunderstanding among those most engaged with the MF, construction specifiers. Why should a system that has worked so well over so many years be so radically transformed?

The process has fostered this key group's perception that their input does not count for much. There was no formal process that sought specific feedback from local Chapters and the available sites for online comment were set up to receive comments from individuals only, not organizational bodies. There is a weakness in this kind of feedback loop in that individual comment is too easily discounted as coming from "cranks that can't handle change."

The timing of the release of the various schemes also has not been conducive to careful thought and considered input. Scheme "A" was the

MasterFormat 04 Draft 3

DRAFT Comments of the Technical Committee of the Portland, Oregon Chapter CSI

As the MFETT moves to conclude its work on the MF expansion, members of CSI Portland (Oregon) Chapter, like members elsewhere, are trying to understand the nature of the restructuring and its potential effects. Following the release of Draft 3 the Chapter's Technical Committee met to discuss it, and determine what response we could submit within the short timeline. We found ourselves differing strongly on the merits of the proposed expansion, but strongly agreeing about two concerns not directly related to the specifics of the proposal

2

A recent BS Column covered Green Buildings concept, Sustainable Design, USGBC LEED and The Natural Step. In the near future more information in detail is forthcoming. Many of you have seen my letterhead with several balloons at top right. It is also shown in some BS Columns published in some Chapter Newsletters. I have been asked why the balloons? Well, let me tell you good folks often times I find myself either out on a limb or up in the air. I prefer being up in the air because it is much more serene. Also I am ex-pilot. In the Los Angeles Chapter News Letter for March and April 2003 my column appears on page 6 and Sheldon Wolfe's Tech Talk is on page 7. One of my friends said with BS on one page and Tech Talk on the opposite next page that Ken and Sheldon covered it from the Ridiculous to the Sublime. One question for you readers is: One of our local area stores uses the description "Brand New Mattresses". Will someone please tell me just what is the difference between a new mattress and a brand new mattress. I hope this type of terminology never reaches specifications writing.

In the December issue of Doors and Hardware magazine there is an article in the Code Corner entitled "Activating Automatic-Closing Doors" by Noren Neyer, Fire Marshall. I will give you some of the highlights of this article. The codes are specific when smoke detection is required. All codes point to NFPA 80 (Standard for Fire Doors and Fire Windows), which details locations for fusible links and other items. In accordance with NFPA, Section 5-0.4.3 where system detectors are used to initiate the operation of smoke doors, the requirements of 5-10 applies. The most common error in application is locating the smoke detector on the wrong side of the door. Also, sometimes they have detectors on both sides of the door (this is where they sell the extra detectors). Following are the NPFA 72 basics:

5-10.7.4.1

Where doors are to be in closed position to smoke flowing in either direction, the requirements of 5-10.7.4.1 through 5-10.7.4.1.3 applies.

5-10.7.4.1.1

Where the depth of wall section above the door is 24 inches or less, one ceiling mounted detector is required on one side of the doorway only.

5-10.7.4.1.2

Where the depth of wall section above the door is greater than 24 inches, two ceiling mounted detectors are required, one on each side of the doorway.

5-10.7.4.1.3

Where the detector is specifically listed for door frame mounting or where a listed combination or integral detector door closer assembly is used, only one detector is required where installed in the manner recommended by manufacturer.

5-10.7.4.2

Where door release is intended to prevent smoke transmission from one space to another in one direction only, one detector located in the space to which smoke is to be confined is required, regardless of the depth of wall section above door.

Questions:

You may Email your questions to Codecorner@dhi.org. Or, you can contact me at klsearl@netzero.net and I will send you a copy of the article printed in the DHI December issue.

the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

Apr. 8 Getting Under the Skin
The biggest source of construction angst is the waterproof envelope. See cover and back page to register.

May 13 Portland's Products and Services Fair
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. Put this date on your calendar now, and be prepared to enjoy meeting your colleagues at the Fair.

Aug. 8 Portland's CSI Annual Golf Tournament
Red Tail Golf Course
Contact Erica Bitterman at 503-274-2030.

Region & National CSI Events

Apr. 8 Institute Certification Exam
Portland, Oregon

Apr. 9-11 The CSI Show at CONSTRUCT AMERICA,
Chicago, IL
Plan now to attend! (NW Region Business meeting has been scheduled for 5:45pm, April 8, at the Chicago Hilton. The 2003 Region Dinner will be held on evening of April 9, after the Welcome Reception.)

June 26-28 CSI University
Philadelphia, PA

Oct. 2-5 Region Conference
Boise Riverside Doubletree Hotel

*For more information, call the CSI office:
503-805-2500.*

Other Events

2003

Aug. 20-23 AIA Regional Convention
Oregon Convention Center



**Advancement
of Construction
Technology**

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predicator*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

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the ANNOUNCEMENTS

ADVANCE FRAMING WORKSHOP

**Wednesday, April 23, 2003
6:00pm - 9:00pm**

A WORKSHOP

To assist in coordinating the efforts of framing contractors, general contractors, architects and engineers in designing and constructing in more sustainable methods.

JOIN THE

Office of Sustainable Development
Portland Development Commission
Pacific N.W. Regional Carpenters Council &
The Willamette Carpenter Training Center
for

A PROGRAM FOCUSED ON

economical, structurally sound, and
sustainable framing practices.

Location:

Willamette Carpenter Training Center
6915 N.E. 42nd Avenue
Portland, OR 97218
503-287-3708
training@wctcapp.com

Cost:

NO CHARGE for this event.

Registration:

Michael Prothe
Portland Development Commission
1900 S.W. 4th Avenue, Suite 7000
Portland, OR 97201-5304
503-823-3277 (phone)
503-279-1929 (Fax)
prothem@pdc.us

THE CSI SHOW

Join thousands of industry professionals, as you experience the growth in product and professional knowledge at The CSI Show™, April 9-11, 2003 at McCormick Place in Chicago. The CSI Show™ 2003 will feature:

- Exhibits
- Technical Education
- General Sessions
- Networking Events
- CSI Annual Meeting & Member Forum
- CSI Annual Honors & Awards Ceremony (includes Honorary membership & Fellowship)

The CSI Show™ will co-locate with The TFM Show™ in 2003 at the debut of Construct America™. Attendees may take advantage of two trade shows, side-by-side, with the ease of registering to attend only one show.

For more information about Construct America™, please visit www.constructamerica.org.

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Renewing Members for January 2003

Richard E. Alexander, CSI, CDT	Arthur R. Larsen, CSI
Simone Auger, CSI, CDT	Daniel B. Lucachick, CSI
Janda M. Bauman, CSI	Philip O. Martinson, CSI, CDT
Robert Bechtel, CSI	Chere M. McNabb, CSI, CDT
Marc Belts, CSI	Stephen R. Miller, CSI
Erica L. Bitterman, CSI	Michael Mintum, CSI
Dawn Brase, CSI	Eric K. Money, CSI, CDT
Timothy Brunner, CSI	Bryan Monroe, CSI
David Carlson, CSI	Kenneth J. Mouchka, CSI,
Bob Carothers, CSI, CDT, AIA	CCS, AIA
Linda Carson, CSI	John Munera, CSI
Lee E. Cook, CSI	Ted L. Nisley, CSI
Scott Dicker, CSI, CDT	Jerry Parks, CSI
James A. Flyr, CSI	Rebecca L. Quas
Ron J. Friedman, CSI, CDT	Adam Rakus, CSI
Nicholas Haluschak Jr., CSI	Mark L. Reeves, CSI
Jerry C. Harris, CSI	Mark P. Schneider, CSI
John Hermann, CSI, CDT	Randy E. Tessman, CSI
David J. Humber, CSI	Joseph Tucker, RA, CSI, CDT
Marvin Kaplan, CSI	Randy Webb, CSI
Michael J. Kapp, CSI	Robert G. Webb, CSI
Bassam Khalifeh, CSI	Jay W. Wilson, CSI, CDT
Jeff Kirsch, CSI	

In the spirit of the Oregon Voter's Pamphlet, here are two views of the impending changes to CSI's MasterFormat:

Argument in Favor of the proposed MasterFormat Expansion

—Jim Wilson, CSI, CCS

1. The MasterFormat expansion process has included well over 100 other prominent construction industry organizations, from corporations to other professional societies and trade organizations as well as international representatives, and has broad support from them.

2. MF 04 affords greater flexibility than MF 95 to respond to changes in the industry. Pressures to better accommodate communication and information technologies will undercut the effectiveness of MF if it does not change.

6 3. MF 04 provides integration with the National CAD Standard that cannot be achieved with MF 95 and provides a framework that will facilitate development of software that can integrate drawings and specifications information into a single data base from which various types of reports can be generated, both graphic and written, for any life cycle phase from construction, to maintenance and through to deconstruction.

4. MF 04 integrates CSI's signature document into OmniClass, the international classification strategy covering the built environment from inception to deconstruction and recycling. This serves CSI's Mission Statement to advance the process of "creating and sustaining the built environment" and it contributes to fulfilling the Institute's Long Range Plan goal: "CSI will be the premier integrating force in the United States for improving the process of creating and sustaining the built environment."

The MasterFormat created 40 years ago has indeed performed well. It represents a watershed

in the standardization of information for the construction of buildings. Why stop with this? We can create a MasterFormat that engages new opportunities and reflects the broader concepts of built environment, the facility life cycle and sustainable practices.

Argument in Opposition to the proposed MasterFormat Expansion

—Christine Steel, CSI, CCS

Does anyone remember the amphibicar? It was introduced in the early 60's as a car and a boat in one. Unfortunately it wasn't good at either job. I fear the Task Team is building an amphibicar. In attempting to respond to special interests, the team has lost sight of the needs of its primary constituents - architects and construction specifiers - and created an impractical vehicle.

1. The first guiding principle of the Task Team was to "impose as little change as possible into the divisions" Eighty-six divisions under nine groupings is not a "little" change. Instead of making MasterFormat more available to a wide range of users, it seems more complicated and less likely to be used by anyone.

2. The Task Team attempts to address the needs of every special interest spokesperson. Impossible. It should address the needs of the majority of the construction industry's users. Sometimes the captain needs to say, "No."

3. The CSI mantra is Clear, Concise, Correct. Eighty-six divisions are not concise. The redundancy of topics does not suggest clarity or correctness.

4. A key CSI principle is that the Contractor organizes the work by trade and subcontract - not the specifier. The reorganized MasterFormat appears to suggest otherwise.

5. The Task Team cannot predict the future. It is impossible to anticipate the directions technology and building products will take over the next 40 years. Twenty years ago, most people had never heard of a PC. Designing MasterFormat to accommodate 10 years' growth is a more reasonable goal.

Writing a project manual is not merely an academic exercise. If it were, changing "chapter numbers" would be no big thing. But many of us coordinate design input from multiple consultants. We track sections through databases. We mentor small businesses confused already by the bidding process and 16-division project manuals. We thought CSI existed to provide consistency - not radical and impractical inventions.

mary alice hutchins

By Perky Kilbourn, CSI

Mary Alice Hutchins honored as 50 year member. At the March 11, 2003 meeting of Portland Chapter of CSI, President Jim Wilson announced that Mary Alice Hutchins was receiving her 50 year CSI Membership Pin. Jim advised that \$100 is being put in the Dale C. Moll Student Activity Fund in honor of Mary Alice and nine other individuals who also become 50 year CSI members. I discussed with Jim Wilson and Maria DeLucia the concept of placing the \$100 designated for Mary Alice in the Mary Alice Hutchins Scholarship Fund rather than in the Dale C. Moll Student Activity Fund. Maria DeLuccia, Director of Membership Committees and Services, said to write Cynthia Belisle (Chair of the Membership Committee) with my suggestion. This has been done so now all I do is wait. If you have an opinion as to whether this would be a good idea please write Cynthia Belisle and let her know.

the real world

By Ed Loy, CSI, CDT

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SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

SANDGRASS, BEWILDERED SPEC WRITER



I SPENT AN ENJOYABLE, ALTHOUGH CONFUSED, FOUR DAYS IN PHILADELPHIA LAST JUNE, AND THEN I LEARNED THE CSI CONVENTION WAS ACTUALLY HELD IN LAS VEGAS. I CAN HARDLY WAIT FOR THIS YEAR'S SHOW IN BALTIMORE. I AM STILL LOOKING FOR A ROOMIE TO SHARE EXPENSES.



TUESDAY, MAY 13, 2003 - 2:00PM - 8:00PM OREGON CONVENTION CENTER
REGISTRATION - EXHIBITOR CONTRACT

Company Name _____
 Contact Person (please print or type) _____
 Mailing Address _____ City _____ State _____ Zip _____
(please put the address to receive all correspondence / confirmation of booth # etc.)
 Telephone (____) _____ Fax (____) _____ E-Mail _____
 Name Tags for booth Name _____ Co. _____ Name _____ Co. _____
 Name _____ Co. _____ Name _____ Co. _____
 I am a member of these associations CSI AIA IIDA AGC IFMA (list all you belong to please)

10' X 10' DRAPED BOOTH INCLUDES:

- ◊ Electricity ◊ One 6' draped table ◊ One chair ◊ Company sign ◊ Two parking passes ◊

Indicate your first three choices for exhibit spaces.

Refer to the floor plan 1st _____ 2nd _____ 3rd _____

Reserve _____ booth(s) at \$675.00 or \$550.00 (see plan) for a total of \$ _____

Exhibitor Luncheon 12:00 pm - 1:00 pm, number attending _____ at \$15.00 per person \$ _____

◊ **Vendor Mini Seminar** Reservation at an hour per seminar one hour seminar \$300.00 \$ _____

◊ **Topic of Seminar/CSI Spec. Section** _____

Learning Units rating for your one hour seminar _____

CSI/AIA/IIDA/AGC/IFMA Member Discount \$50.00 \$ (_____)

We Accept Cash, Check or VISA/MC# _____ exp date ____/____/____

Card holder name _____ Address _____ City _____ State _____ Zip _____

Signature: _____ Total Amount of payment \$ _____

Make Checks Payable to: **CSI 2003 Products Fair**

Mail checks and this completed form to: Cherie McNabb
 phone (360) 573-7834 2419 NE 88th Street
 fax (360) 571-8834 Vancouver, WA 98665

If will be charging your total on a credit card you may fax the form to : fax # (360) 571-8834

CSI will not be held responsible for damage, loss, accident or injury to exhibitors at the Products Fair. Although every effort will be made to accommodate your booth selection, assignments will be made on a first-paid basis upon receipt of this contract with payment. Facsimile of this contract is not acceptable as a reservation. The Portland Chapter CSI reserves the right to re-assign booth space up to the day before the Fair. I have read and understand the terms of this contract and agree to abide by them.

Portland Chapter, CSI
 Non Profit
 Tax ID # 93-0760052

Please sign above to validate your reservation.
 Please make a copy for your records, this is your receipt.

8

BALLOT

PORTLAND CHAPTER CSI

PO Box 5116
Salem, OR 97304

Address Service Requested

First
Class
Postage
Required

**Portland Chapter CSI
PO Box 5116
Salem OR 97304**

Fold and Tape

OFFICIAL BALLOT
2003-2004 Portland Chapter — Board of Directors

President (Vote for one)

Cherie McNably, CSI, CDT
C. A. Newell Co., - Conair® by DuPont®

"I am looking forward to lead and inspire members of the CSI organization. I will strive to encourage members to want to be more involved in this terrific organization. We all can help make this next year one to remember. Thanks for considering me for President this year."

Write-in _____

President-Elect (Vote for one)

Scott Dicker, CSI, CDT
Otis Elevator Company

"Motivated and successful professionals (architects, contractors and product representatives), in our industry, always choose a CSI membership. I am in awe of the dedication of our chapter members to make CSI Portland such a strong community. We support each other. The prospect of serving as your President is an exciting opportunity to expand on the committee work I have already enjoyed doing with CSI."

Write-in _____

Treasurer

Write-in _____

Industry & Associate Director (Vote for two)

Denise Carpenter, CSI
T&A Supply and Pacific Mat Company

"It has been a pleasure to serve with members of the CSI Board of Directors for the last 2 years. It seems like 2 years would be a long time to accomplish all the things you would like to do and learn, but time seems to fly by before you know what hit you. That is why I have decided to run once again for the CSI Board of Directors. In this second term I will hope to become even more involved to further my knowledge and participation in the Portland CSI Chapter."

Write-in _____



*Advancement
of Construction
Technology*

**Ballots must be returned to CSI Office or dinner meeting no later than 7:00 pm
Tuesday, April 8, 2001. Late ballots will not be counted.**



EXHIBITOR REGISTRATION INFORMATION



OREGON CONVENTION CENTER - PORTLAND, OREGON

MAY 13, 2003 - 2:00 PM UNTIL 8:00 PM

Loading and Unloading entrance						Roll up Door						
168	141	140	115			98	Bar	70	45	42	15	14
167	142	159	114			97	72	69	44	41	16	15
166	143	158	115			96	75	68	45	40	17	12
165	144	157	116			95	74	67	46	39	18	11
164	145	156	117			94	75	66	47	38	19	10
163	146	155	118			93	76	65	48	37	20	9
162	147	134	119			92	77	64	49	36	21	8
161	148	133	120	112	99	91	78	63	50	35	22	7
160	149	132	121	111	100	90	79	62	51	34	23	6
159	150	131	122	110	101	89	80	61	52	33	24	5
158	151	130	123	109	102	88	81	60	53	32	25	4
157	152	129	124	108	103	87	82	59	54	31	26	3
156	153	128	125	107	104	86	83	58	55	30	27	2
155	154	127	126	106	105	85	84	57	56	29	28	Bar

9

OREGON CONVENTION CENTER - EXHIBIT HALL A
777 MARTIN LUTHER KING JR. BLVD. ♦ PORTLAND, OR 97212

 - \$675.00
 - \$550.00

subject matter of Draft 1 and it was modified somewhat for Draft 2 at which time a radically different Scheme "B" was introduced. This took up the first year and a half of the Task Team's calendar. In the distribution of these schemes the MFETT seemed to take a very neutral stand, not revealing their leaning toward a particular format. Then, in rapid succession Proposals "C" and "D" were introduced (January of this year), Draft 3, in which the Task Team announced their decision to recommend Scheme "B", was published the third week of February and the comment period is scheduled to end March 31! This is not an effective way to "re-tool" the MF or to gain buy-in from a large body of its most loyal adherents.

These shortcomings lead directly to our second area of concern: Implementation of MF04.

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IMPLEMENTATION

While a timetable has been distributed for the publishing of MF04 and some implementation concepts have been noted in the MFETT's information, actual implementation of the new MF will present significant challenges. Many questions need to be answered. The current one-year plan to go to the publisher is too short. This change is too important to be driven by a publisher's deadline. Following is a list of our concerns:

1. The Board and MFETT have not adequately linked the restructuring of MF to the Institute's long-range goals. This oversight has been a chief obstacle in achieving a climate of constructive interaction between Institute members and the MFETT.
2. At the moment a large percentage of CSI's core constituents feel alienated by the process. The Institute must acknowledge this and take the time necessary to regain the support of these key players if there is to be adoption of a new MF.

3. Major change needs test driving. We think it would be unwise for the Board to adopt the MFETT recommendation without running a pilot program to evaluate both the merits of the new organization and some of the potential pitfalls of full-scale implementation.

4. We think that there should be a more formal "buy-in" process that can solicit formal commitments from some of the key stakeholder organizations, including federal and state agencies such as Federal Highway Commission, state Departments of Transportation, the General Services Administration, the various associations of Civil, Structural, Mechanical and Electrical Engineers. We also think that the Institute should use some means to get written comment (survey?) from each of its active chapter organizations.

5. Along with the above steps, the Institute must develop a reasonable timeline that is specific but also is lengthy enough to allow for a "ramping up" of the new MF as well as a "ramping down" of the old one.

In conclusion, without a thorough and broadly considered approach to implementing this change, the Institute could easily obliterate all of the good it has fought hard to achieve. Even worse, it could potentially bring about a new chaos that would overshadow the condition that existed in the construction industry prior to the leadership role CSI took in the early 60's when it introduced the current 16 Division format.

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11

the NEWS FROM THE INSTITUTE

Building With Terrorism In Mind

Ireland's history of political violence has helped it develop design expertise the U.S. may need as it confronts terrorism.

Northern Ireland engineers have learned to create buildings that are ready for everything from gun-fire to car bombs. Their work in explosive testing and forensic engineering has generated information that could be valuable to other countries that are facing terrorism, according to George Mitchell, managing director of the design firm TeraProof Ltd., of Banbridge in Northern Ireland.

Building design in Ireland has softened since 1998's Good Friday Agreement brought an uneasy peace the country, which in turn has weakened the market for defensive construction. Now businesses

like TeraProof are looking at countries like the U.S. as a new source of clients.

Mitchell saw the potential for a new market in the news coverage that followed the Sept. 11 attacks. He recalls watching workers place "3-ft manhole rings" around the White House to act as barriers. "I thought [that] these people didn't know what they were doing," he remembers.

Mitchell's advice to clients includes making windows shatter-proof with a stick-on film. In large U.S. cities, where dense populations make evacuation dangerous and difficult, he suggests creating safe internal building areas so that people don't have to leave their buildings.

"The safest thing to do is put [people] in the center of a building," he said.

The First Topic is a "Case in Point"

I think it is neat when your children correct you in public when you have in fact made a mistake. At the March Meeting of Portland Chapter CSI, I commented about our book on Mary Alice Hutchins. I said Mary Alice Hutchins is the only double Fellow (Fellow of CSI and Fellow of AIA) who happens to be a woman. Ellen Onstad corrected me - Mary Alice Hutchins is the first female double Fellow and at the present time the only one. But other women will become "Double Fellows." For example, Katherine Proctor, FCSI, CDT, AIA should be considered for fellowship in AIA. I am sending a copy of these notes to CSI Fellows I know in the Tennessee in hopes that something will happen.

The Second Topic - March Meeting of Portland Chapter of CSI "Got Insurance?"

I could really relate to this topic and was surprised at how many of the problems in the construction field were similar to the ones I had experienced in the medical field. I had my own professional liability insurance which covered mistakes which I might make at Consulting Clinical and Microbiological Laboratory, Inc. and at Public Services Laboratories. The second liability insurance was for the Consulting Clinical and Microbiological Laboratory, Inc. in case anyone I employed made a mistake. Now I have only a contract to direct Public Services Laboratories where I am not involved in testing but I am still their "Laboratory Director." Public Services Laboratories should cover me under their insurance policy since I do not have my own professional liability insurance anymore.

Jim Canburn of Durham Bates advised that he was not an Insurance Underwriter as stated in the March, 2003 issue of The Predicator but rather an Insurance Agent. He made some suggestions for writing better specifications and I would suggest contacting him if you want more information. One additional topic which was referred to by the panelists was that mold and yeast causes problems in building. When I had my laboratory I was asked to do some testing for mold and yeast in building. What I found was often very interesting.

HOW TO USE AN OPEN SPECIFICATION FOR "NO SUBSTITUTION" PRODUCTS

There is a way to specify "no substitution" products and still get competitive bids. For example, an existing building has one type of lockset and the Owner wants the new building addition to match their existing lockset manufacturer, no substitutions.

The door hardware spec nonetheless lists several acceptable manufacturers. When the bids come in, the Owner looks over the price difference between the low bid and the "no substitution" locksets. The Owner may then approve the added cost and accept the no substitution product, or the owner may take a different product and decide to redo the existing building's door hardware to match the low bid product.

By keeping the spec open, other manufacturers have a chance to be used even on a "NO SUBSTITUTION" project. Another added benefit is that the Specifier will be able to find out what products are the best value for ongoing and future projects.

From the bidder's standpoint, it may be worthwhile to bid a "voluntary alternate" to the "no substitution" products just to let the owner see what savings are available by switching brands. The "voluntary alternate" approach allows review of a proposed substitution by the Architect AFTER bidding and before contracts are signed. This is a less hectic time for the Architect than during bidding.

new board chair named

NEW BOARD CHAIR NAMED FOR PROVIDENCE MILWAUKIE FOUNDATION

John Brockamp, CSI, of Milwaukie, Oregon a retired co-owner of Brockamp & Jaeger, Inc., general contractors, has been named chair of the Providence Milwaukie Foundation Board of Directors for 2003.

Through self-training programs and management seminars sponsored by building trades including Associated General Contractors and Construction Specifications Institute, Brockamp joined with Roy Jaeger to found Brockamp & Jaeger, Inc. in 1963, with an emphasis on commercial construction; he retired in 1994.

Brockamp served as Board President for the North Clackamas Chamber of Commerce, was President of Kiwanis Club of Clackamas, was President and is currently active with the Serra Club that mentors young people who might have a vocation to the priesthood or religious life. Brockamp and his wife Peggy, a retired nurse, have a long interest in health care and are currently working with the Tarahumara Children's Hospital Fund, a financial support organization for a 75-bed hospital serving the Tarahumara Indians in Creel, Chihuahua, Mexico.

Providence Milwaukie Hospital, a part of Providence Health System, is a full-service hospital with a 24-hour Emergency Department, Sleep Disorders Lab, and Women's Health and Family Maternity Center. A center of excellence in wellness and aging, the hospital is Elder Friendly certified by Elders in Action and houses the Providence Center on Aging and Geriatric Assessment Clinic. Visit www.providence.org/milwaukie <<http://www.providence.org/milwaukie>>.

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the MINUTES

Portland Chapter, CSI
Board of Directors Meeting
February 4, 2003

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:05 pm at the Portland Chapter AIA Conference Room.

PRESENT: Jim Wilson, Joe Bolkovatz, Cherie McNabb, Scott Dicker, Mike Wilson, Inge Carstanjen, Carolyn Miller.

ABSENT: Bob Schroeder, Doug Allen, Denise Carpenter, Jody Moore

ALSO PRESENT: Rick Heiserman, John Lape, David Shelman, Lee Kilbourn

1. TASK TEAM REPORTS

•Technical Committee for MFETT - David Shelman. Discussion re changes to MF, and the draft the committee- representing the chapter - would recommend to the National Task Team for implementation. Motion made by Scott Dicker: "Authorize Technical Committee to speak for chapter as a whole, respecting interest of the chapter: Issue statement to Institute." Seconded by Carolyn Miller, Motion passed.

•Executive Director Task Team accepted the Feb. 4 resolution to meet and proceed as outlined in said resolution. Motion made by Joe Bolkovatz, seconded by Jim Wilson, passed. Task team to meet on 2/7 at Stanfords, Jantzen Beach.

2. FINANCIAL REPORT

•Presented and approved. Discussion regarding a dues increase. Asked Membership Chair Lee Kilbourn to research dues structure of other region chapters. Board will meet prior to Dinner meeting to make a decision to present to the Institute prior to March 1, 2003.

3. PRODUCTS FAIR

•Cherie McNabb and Cornelia Gibson co-chairs. Need help with project gallery. Using Hall A only. Will change registration plan to facilitate movement. Keynote speaker unknown at this time. 50 vendors signed up. Plan to have mini-seminars in entrance hallway.

4. NOMINATIONS

•Ballots to appear in April The Predicator
Positions to be filled: Treasurer, President Elect, Industry Director.

5. BOD MINUTES

•January 7, 2003 board minutes were read and accepted.

ADJOURNMENT: 1:10 P.M.

Respectfully Submitted,

Inge Carstanjen
Acting Secretary for Doug Allen

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the FINE PRINT

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$ 250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	
Dan Graham, CSI, CDT	907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	
Andrew Estep, CSI	206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	
Perry White, CSI, CDT	1-800-344-8042
Spokane, WA (Second Thursday)	
Mark Elliott, CSI, CDT	509-624-4281
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Jim Wilson, CSI, CCS	503-222-1917
Capital, Salem, OR (Third Thursday)	
LaVone Clausen, CSI	503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	
Rodd Hansen	541-687-9600
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THE PREDICATOR

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Getting Under the Skin Tuesday Evening, April 8, 2003

Event Location

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Event Timing

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6:30pm Dinner, Catered by Jake's
7:30pm Presentation

Cost

\$30 per person — Sponsor a table for 8 for just \$220



**Fax your reservation no later than
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If you have a question, call the CSI Portland
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the PREDICATOR

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29th ANNUAL PORTLAND PRODUCTS & SERVICES FAIR

Tuesday, May 13, 2003 2:00 - 8:00pm

Admission Free

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VOLUME 42, NO. 10

Portland Chapter CSI
Monthly Newsletter



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Cognitive Psychologist, Haworth, Inc.
Grand Ballroom 8:00 – 9:30 pm

The Cognition of Creativity: Personal & Organizational Implications

Admission: \$15.00 Students: Free Credits: IIDA 0.1, 1.5 AIA HSW

- What is creativity? What is it not? Are some people just born creative? Can the rest of us learn to be more creative?
- What are creative people doing when they're being creative? When being creative, do people "think" or "feel"?
- Are there some methods that anyone can follow to increase their creative potential and be more innovative?
- Is creativity more an intrinsic property or a set of behaviors that anyone can learn?

(See pages 7 - 10 for more information.)

president's message

By Jim Wilson, CSI, CCS, AIA



Most people would rather die than think, in fact they do.

—Andre Gide

Why do I think it is important for our members to attend the Portland Products and Services Fair? Well it could be that it beats the alternative, at least given Mr. Gide's observation. Of course

there are many other compelling reasons. This is your best opportunity for first-hand information on construction products that are actually used in our region. Shuffling feet met most of my questions of roofing manufacturers at the CSI Show in Chicago. I wanted to know more about TPO's and they wanted to talk about PVC as that is what dominates in the Chicago single ply membrane roofing market where they work. There are advantages when the show comes to your town as it will on May 13.

Taking a cue from the title quotation, I believe most people would rather build their knowledge than build on their ignorance. Sift through the RFI file on some recent projects, look over a couple of Addenda, identify those gaps in your firm's knowledge and come on down! There will be over 120 experts to query all afternoon and evening so bring your notes.

Already know it all? Then I'll bet you are like me, and you never lie either! So for us there is the future - what is new in materials and what is new in the application of familiar materials? In the past year I have counted eight new materials used in our projects for the first time - that is just working from my memory too! Of course this doesn't count substitutions, but the point is those were materials I did not know about two years

ago and several of them I learned about at the Products and Services Fair. Then there are new applications of the familiar such as using EPS in your brick cavity wall. Maybe everyone else has been doing this since Kahn asked the brick what it wanted to be, but it is new to me and I want to learn more about it. That should be easy on May 13 and I won't have to worry about scheduling an appointment!

Perhaps you agree that there is value in attending the Fair but you know the management in your office won't authorize your time for it because it is not billable? You don't bill the time you spend with a Rep on the phone or in your office discussing product applications in your Projects? Of course you do. You haven't found that knowing more about the variety of manufacturer's products available and the support they provide to users saves you time creating project documents and improves the quality of those documents? I have no doubt this is the case, but your manager may not know that - demonstrate it to them. Show them a list of questions you will bring up with exhibitors at the Fair, show them where problems have occurred or may occur in future work and that your time spent at the Fair will avoid such problems. Asking if having staff attend the Fair creates value for your clients and your office is like asking if Al Qaeda uses too much oil in its hummus! Don't think too hard on that one; just come on down, it is a Fair for all and no fare to anybody. The Portland Products and Services Fair on May 13 is free!



**Advancement
of Construction
Technology**

2

In the December 2002 issue DESIGN/BUILD BUSINESS publication on page 13 there is an article entitled "Selecting Exterior Paint" by Rick Tyrell of DSR Custom Design-Build Inc. of Travelers Rest, South Carolina. I will discuss his topic entitled "Utilize Back Priming". Back priming is a precautionary measure worth taking. Paint coatings form a film on the surface. If the wood is not back primed and water or water vapors reach the backside of it, the coatings can blister or peel. He states when he is in the field he coats all butt joints and cut ends with two coats of a quick drying exterior primer. He has found that oil based products take too long to dry and tend to slow down the project. While back priming is good insurance, the best possible method for long term paint performance is back priming with an air space between the sheathing and siding. There is a product named Home Slicker that looks like nylon mesh and is developed to be placed directly over the sheathing. It has air pockets that allow siding to dry evenly and channels to allow a path for water to escape. In a previous BS Column I discussed Home Slicker.

In his area he states there are companies that will apply both primer and topcoat in their factory environments. This type of application has many advantages. Coating is done in a controlled environment that's free from wind, dust, and foreign particles, making these optimal conditions. Call for this company to place one coat of primer and one coat of finish. Then in the field after the product has been installed, apply final finish coat. Applying finish coat after it has been installed allows coverage of primed ends, caulked joints, and nail holes.

In order to make sure your warranty is intact, Rick recommends you use only products from the same manufacturer. Many companies will not warrant their products if another product has been used with theirs. The success of a painting job comes from the understanding how the siding you select and the finish you choose will

stand up to the environment. You may reach Rick at Dsrdesignbuild@aol.com

All of this brings up a question. I have looked at a lot of Painting Specifications in Projects at Plan Centers out to bid and none of them specifically call for coating butt joints and end cuts. It may be covered in a listed Standard but not in contract specifications. I believe it should be listed in Section 09900 Painting. Unless specifications call for factory coated environment a question is who ascertains that is being done. How do we handle that in a simple manner?

There is more good information in Rick's article. If you would like a copy of this article contact me and I will send it to you. Also folks, if you have anything you would like to see in a BS Column please let me know.

the real world

By Ed Loy, CSI, CDT

3

TOP TEN REASONS TO ATTEND THE 2003 PRODUCTS AND SERVICES FAIR:

10. EARN PROFESSIONAL EDUCATION CREDITS.
9. GET AWAY FROM YOUR BOSS FOR THE AFTERNOON
8. FREE FOOD.
7. SIMULTANEOUSLY ENHANCE YOUR STANDING IN THE CONSTRUCTION INDUSTRY AND YOUR SELF IMAGE.
6. PARTICIPATE IN THE GREAT AMERICAN TRADITION OF NETWORKING.
5. FREE FOOD.
4. DISCUSS THE ESOTERIC DETAILS OF ELASTOMERIC MEMBRANES.
3. OPPORTUNITY TO MEET CHERIE MCNAIRD, CSI, CDT.
2. UNVEIL TO A RAPT AUDIENCE YOUR PERSONAL VERSION OF MASTERFORMAT.
1. AND THE #1 REASON TO ATTEND THE 2003 PRODUCTS AND SERVICES FAIR... FREE FOOD.

the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

- May 13** **Portland's Products and Services Fair**
The premier showcase of products and professional services in the Northwest will occur in the Oregon Convention Center. See pages 7 - 10 for more details.
- June 10** **Awards Banquet**
- Aug. 8** **Portland's CSI Annual Golf Tournament**
Red Tail Golf Course
Contact Erica Bitterman at 503-274-2030.

Region & National CSI Events

- June 26-28** **CSI University**
Philadelphia, PA
- Oct. 2-5** **Region Conference**
Boise Riverside Doubletree Hotel

**For more information, call the CSI office:
503-805-2500.**

Other Events

2003

- Aug. 20-23** **AIA Regional Convention**
Oregon Convention Center

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*You are invited!
Special Luncheon
to Honor
Inge Carstanjen*

Join Master of Ceremonies John Lape for a special luncheon program honoring Inge a wonderful person who has contributed so much to our CSI Chapter as a member, a President and as our Executive Director.

Date: Thursday, May 22, 2003

Time: 11:30 to 1:00pm

Location: Rivers American Grill

0470 SW Hamilton Court

(Off Macadam, next to the Avalon Hotel)

Call 503-802-5850 for directions

Cost: \$20 per person

Please RSVP by May 19, 2003

Jane Phifer 503-805-2500

or e-mail jane@portlandcsi.org

*Thanks to Al Weller, Weller Associates, and Jim Hinte,
Colamette Construction for Their Generous support of this event.*

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other
Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predicator*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

a salute to john brockamp — by margie largent & ken searl

In the Portland Chapter CSI April 2003 Newsletter on page 13 there is an article regarding John Brockamp CSI entitled, "New Board Chair named for Providence Milwaukie Foundation." It is an interesting article but it does not mention John's CSI accomplishments. Listed are some of them as follows: John served on CSI Portland Chapter Board of Directors in 1986, 1987, and 1988. He was Chairman of By Laws Committee in 1986, Chairman Membership Committee in 1987, CSI Chapter Secretary in 1988, Started CSI's Toastmaster Club in 1989.

Awards: Construction Award for Brockamp and Jaeger in 1985, Region Directors Citation in 1987, Construction Award, Region Directors Citation and President Certificate of Appreciation in 1987, Chapter Certificate of Appreciation in 1988, Al Hansen Award in 1989 (Portland Chapter highest award).

Articles: John wrote "Improved Project Performance" which included 3 important rules as follows:

1. Find out what the owner requires,

2. Determine what materials will satisfy owner's requirements.
3. Write and enforce specifications to satisfy owner's requirements. (Good advice then and good advice now).

The November 1986 Portland Chapter Meeting program consisted of a panel discussing specification enforcement. John was a member of this committee. His document, "Improved Project Performance" presented at this meeting also includes following items.

1. A product is selected because the architect or owner is familiar with it.
2. The contract documents cannot be enforced if they are not clear.
3. Architects should investigate products to be sure they will do what the manufacturer says they will.
4. Lack of enforcement of the specifications is a reflection on the quality of specifications. John's article has lots of other good information and ideas besides what we discuss in this writing.

If you would like a copy of John's article contact Ken Searl.

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Renewing Members for February 2003

Thomas R. Benschoter, CSI, CDT
Diane C. Blitzer, RA, CSI, CCS
Neal S. Brady, CSI
John S. Burlingham, CSI
Denise Carpenter, CSI
Amy E. Clements
Jody E. Cross, CSI, AHC
Robert Daane, CSI
Gary Derr, CSI
Robert C. Easton, CSI, CCS
Tim Eggers, CSI

Dan Elliott, CSI
Ron Erskine, CSI
Liz Erwin, CSI
Dar Holtschult, CSI
Jessica A.S. Iselin, CSI
Michael C. Keidel, CSI, CDT
Kevin Kriesien, CSI
Charles L. Lander, CSI, CCPR
Mike Lemen, CSI
Greg Miller, CSI
Louis J. Novak, CSI

Patrick R. O'Brien, CSI
Ellen M. Onstad, CSI, CDT
Nishan Pethiyagoda, CSI
Scott M. Rose, CSI, CDT
Gerald Shelestak, CSI, CDT
David Shelman, CSI, CCS
Christopher K. Veit, CSI, CCS
Albert J. Weller, CSI
Dan Williamson, CSI

April 10 SSG Topic: Specifying LEED™ Requirements

By now the term "LEED" is starting to become a household word, at least in the construction industry. This is to the credit of the US Green Building Council who introduced the LEED™ (Leadership in Energy and Environmental Design) program for the very purpose of "moving the building market toward more sustainable practices." By introducing the concept of a score card (Green Building Rating System) the program influences everything from site selection through construction waste management. [See *BS by KS* in the March 2003 issue of *The Predictor*]

The ultimate level of LEED™ certification depends on successful execution of hundreds of "sustainable" decisions. All of these decisions must be documented—by Owner, Architect and Contractor. The items actually incorporated into construction, which include both construction methods and materials, must be thoroughly documented by the Contractor. To get a better understanding of the process and the effort involved, the SSG invited three of the principal participants in the development of the Jean Vollum Natural Capital Center, a renovation of an historic building with a very ambitious sustainable design and construction agenda. Our guests were Gabe Dominek of Holst Architecture, Carrington Barrs with Walsh Construction and Ralph Dinola with Green Building Services (GBS).

Green Building Services was first established by PGE to bring energy conservation planning assistance to projects receiving PGE power. It has since expanded to provide consulting services for a fee to project teams throughout the region. GBS has become expert in guiding project teams through the LEED™ process. This can include educating Owners and developers, helping Architects and Engineers design "green" projects and administration of the complex scoring system. Projects can follow LEED™ principals and not formally go through the scoring step. When the scoring component is followed, the project is "registered" with the USGBC. This gives the project a database for

the deposit of scoring information that will be collected and evaluated. Ralph explained that USGBC has recently issued Version 2.1 of the Rating System, which makes changes in the documentation process. Rather than submit the detailed information for every category, as in Version 2.0, the new system will do a random audit of 30% of the data to confirm a project's status.

While many of the commitments leading to a LEED™ certification are made in the design stages of a project, our discussion focused primarily on the documentation that has to occur during and following actual construction. This documentation is substantial and specific. And there are "Division 1" (General Requirements) that put additional demands on the General Contractor and worksite. The GC must record information about demolition, waste stream, air and water quality. The GC must also process, through submittals, the product data related to LEED™ that is coming in from vendors and subcontractors. All these responsibilities must be clearly defined throughout the Project Manual. It is not reasonable to simply state the "desires" of the Owner for a sustainable project.

With this in mind, it was recommended that there be a general LEED™ Requirements section in Division 1 and specific product/system LEED™ data requirements in individual Division 2 through 16 sections. Division 1 should include a brief explanation of the program, definitions of terms, descriptions of each LEED™ Rating System credit, general information about the LEED™ data submittal format and some of the project-wide targets and limitations, such as VOC limits. The major guide specification services are now providing LEED™ guide sections for Division 1.

Individual sections in Divisions 2 to 16 should include specific product criteria in Part 2 Products. These might include characteristics such as the percentage of recyclable content or source (location) of manufacture. Part 1 of the section might be used to list the specific LEED™ credits that apply to the section.

continued on page 10



TUESDAY, MAY 13, 2003 - 2:00PM - 8:00PM OREGON CONVENTION CENTER

A special Thank You to our sponsors!

The Cascade Chapter of US Green Building Council and the Pacific NW Regional Council of Carpenters have both sponsored seminars.

And thanks to Willamette Blue Print for designing the invitation.



VENDOR MINI-SEMINARS

In recent years the Products and Services Fair has offered

exhibitors and manufacturers the opportunity to present their seminars during the Products Fair on the exhibit floor. This year a wide variety of topics will be available from which you can choose and a group of architects from YGH will assure that the seminars run smoothly and that you will receive the appropriate education credits. These seminars are free of charge and convenient to work into your afternoon schedule. Please pick up a complete program of this year's "Mini-Seminars" at the time of registration.

Don't miss the 29th Annual Portland Products and Services Fair. Tuesday May 13, 2003 – Oregon Convention Center.

- 120 booths showcase the latest construction products and services.
- Project Gallery showcases outstanding designs of the regions foremost architectural and design firms.
- **Seminars** throughout the day, **starting at 1:00 pm.**
- Keynote address by Jay Brand, Ph.D., *"Cognition of Creativity: Personal and Organizational Implications"*
- Door prizes
- Free hors d'oeuvres
- No host bars.

Admission to Exhibit Hall is Free
Seminars Start at 1:00 pm
Exhibits Open at 2:00 pm



29th ANNUAL PORTLAND PRODUCTS AND SERVICES FAIR

Tuesday May 13, 2003 2:00 – 8:00pm

Admission Free

Oregon Convention Center, Exhibit Hall "E"
777 Martin Luther King Jr. Blvd., Portland, Oregon

Vendor Exhibits in over 120 booths will be open from 2:00 pm to 8:00 pm in Exhibit Hall E. Here you can see the latest updates and ideas of products, services and technology used for design, interiors and construction. Investigate how manufacturers are responding to the challenges of the latest construction issues.

The Project Gallery will be open from 2:00 to 8:00 pm and will showcase models of outstanding projects from the region's foremost architectural and design firms. A "People's Choice Award" will be given to the winning display.

Mini-Seminars will be offered throughout the day on the exhibit hall. These one-hour seminars are certified for AIA learning units for architects and designers. Schedule and topics will be available at the registration booth. Attendance is free.

Prizes will be given away throughout the day. In addition to many door prizes, you will have a chance to win one of two "Weekend Get-away" gift certificates.

Free hors d'oeuvres will be served at 5:30 pm. No host bar services will be available.

Seminars Start at 1:00pm
Exhibits Open at 2:00pm

SEMINARS

"Helping Manufacturers Understand LEED™"
1:00 – 2:30pm Admission: \$15.00 Credits: 1.5 AA HSW

- What are architects and specifiers looking for in products to support green design?
- Do you get confused when the environmental attributes of a product are described?
- Can product innovation and development help transform the marketplace through sustainable products?
- What are the current trends and future direction for marketing green products?

Learn about the USGBC LEED™ building certification program and different product certification standards that help manufacturers give credence to their product attributes. Opportunities and future directions for manufacturers, such as Life Cycle Analysis and the Sustainable Products Purchasers Coalition, will wrap up this informative session.

RALPH DINOLA, Assoc. AIA, Co-Founder and Board member of the Sustainable Products Purchasers Coalition – SPPC and Senior Design Consultant, Green Building Services, LEED™ Accredited Professional. As senior design consultant, Ralph serves as a green building consultant and project manager on numerous LEED™ registered projects and has specialized in green building workshops.

JOHANNA SANDS, Co-Founder and Board member of the Sustainable Products Purchasers Coalition – SPPC and Associate, Environmental Coordinator - Zimmer Gunsul Frasca Partnership. Johanna Sands has been the Environmental Coordinator for ZGF since 2000.

"Concrete Design-Build & Pour"

2:30 – 4:00pm Admission: \$15.00 Credits: 1.5 AA HSW

Join an interactive dialogue with a panel of industry experts discussing the relationship between form design, form selection, concrete placement and the finished product.



SEMINARS

Special attention will be given to:

- Aesthetics and Structural design.
- Site logistics - results from different form systems and why.
- Mix designs and how they meet the needs of the design team and contractor.

The panelists bring years of experience to this event. They include Mr. Dave Knittel of DPR Construction, Mr. Rob Curry of YGH Architecture & the quality control manager for Glacier NW. Mr. Dave Germer. Representatives from kpff, & Masons Supply will also join the panelists for a lively & informative discussion.

"Understanding Product Certifications"

4:00 - 5:30pm Admission: \$15.00 Credits: 1.5 AIA HSW

- Are some products greener than others and is there a way to discern the difference between products?
- How can certification systems for products protect building occupants' health issues?
- How do manufacturer's labels "less toxic" and "earth friendly" hold up when meeting local, state, and federal procurement requirements for green products.

Two leading experts in the field discuss their companies certification systems & help you understand what makes one product greener than another. You will gain the tools to differentiate fact from fiction in environmental claims.

Dr. Marilyn Black, founder of the GREENGUARD Environmental Institute and currently serving as Chief Scientist of Air Quality Sciences, Inc. in Atlanta, Georgia, is a leading expert in characterizing indoor air pollutants and their sources with more than 20 years of experience. Kirsten Richie, PE directs the Environmental Claims Certification Program for Scientific Certification Systems. Ms. Richie is a licensed civil

engineer with over twenty years of experience in the assessment, classification, certification, manufacture, use and promotion of environmentally preferable products.

KEYNOTE ADDRESS

Jay Brand, Ph.D.,

Cognitive Psychologist, Haworth, Inc.

Grand Ballroom 8:00 - 9:30 pm

The Cognition of Creativity: Personal & Organizational Implications

Admission: \$15.00 Students: Free
Credits: IIDA 0.1, 1.5 AIA HSW

- What is creativity? What is it not? Are some people just born creative? Can the rest of us learn to be more creative?
- What are creative people doing when they're being creative? When being creative, do people "think" or "feel"?
- Are there some methods that anyone can follow to increase their creative potential and be more innovative?
- Is creativity more an intrinsic property or a set of behaviors that anyone can learn?

These questions and more will be explored in this lively, interactive, experiential presentation.

Jay Brand Ph.D. is a Cognitive Psychologist at Haworth, Inc., and holds a BA in Psychology/English and an MA & PhD in Experimental Psychology. Before joining Haworth as an Organizational Behavior Specialist, Jay was Associate Professor of Psychology at Loma Linda University, CA, where he helped develop PhD & PsyD programs, both now accredited by APA. He served as Chair of the Department of Psychology at La Sierra University in Riverside, CA and is currently an adjunct professor at Hope College, Grand Valley State University, and Davenport University. A member of several professional societies with over 40 publications, Jay has presented over 300 seminars to national & international audiences. He has consulted on organizational design, behavior & development; conducted human factors assessment of workstations, pre- & post-occupancy evaluations, work process & task analyses; consulted on organizational change, office transitions, strategic facilities planning, knowledge worker productivity; and implemented & evaluated ergonomics programs.

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29th ANNUAL PORTLAND PRODUCT AND SERVICES FAIR REGISTRATION

Admission is Free to the Portland Products and Services Fair, Vendor Exhibits, Project Gallery Exhibits and AIA accredited Vendor Mini-Seminars in Exhibit Hall E

Tuesday May 13, 2003 – Oregon Convention Center – Exhibit Hall E

KEYNOTE SPEAKER at 8:00 pm in the Grand Ballroom

Name: _____ Firm: _____
Please check: Architect, Engineer, Interior Designer Building Owner, Facilities Planner Contractor Student Other
Phone: _____ Fax: _____ E-mail: _____

To register, please indicate seminar choice(s) below by checking the appropriate box(es);

- Cognition of Creativity, Jay Brand, Ph.D8:00 pm - 9:30 pm.....\$15.00
 LEED for Manufacturers.....1:00 pm - 2:30 pm.....\$15.00
 Concrete Design-Build-Pour.....2:30 pm - 4:00 pm.....\$15.00
 Understanding Product Certifications.....4:00 pm - 5:30 pm.....\$15.00

We accept cash, check or Visa/MC#: _____ Exp. Date ____ / ____

Cardholder Name: _____ Address: _____ City: _____ State: _____

Signature: _____ Total amount enclosed: \$ _____

To Register for lecture & seminars, return form and payment by May 9th to: Portland Products and Services Fair
PO Box 5116, Salem, OR 97304
Phone: 503-805-2500 Fax: 1- 503-587-0337
(Please note: after May 9th registration at door only)

Free Admission for Vendor and Project Gallery Exhibits and AIA Accredited Vendor Mini-Seminars.

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continued from page 6

What Do You Say?

Carrington pointed out the significance of administrative effort to collect and confirm the appropriate data. If the specifications are not clear it is very hard for the GC to get the necessary information. Many vendors and manufacturers are not aware of the LEED™ program and may not even have complete knowledge about the “sustainable” features of the materials they are producing.

Eventually the design data and the construction submittals all filter back through the Architect and subsequently to USGBC. If the Architect has a LEED™ Professional (someone trained in the program and rating system) this person can facilitate the scoring process. This is not a requirement but an aid. If this is not available to the Architect, the services of groups like GBS can assist. As Gabe pointed out, the NCC project was “young” in the LEED™ era and the nature and extent of the effort was not fully grasped by the participants. As he and our other guests looked back over the process, they emphasized that there is a real “cost” to the LEED™ achievement that must be factored into

the Owner’s budget, the Architect’s fees and the cost of construction General Requirements.

All participants strongly endorsed the sustainable goals of the project. The NCC was awarded a LEED™ “Gold” rating and the Owner is annually realizing the benefits of an energy efficient and environmentally friendly property.

SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

Draft 4 of Revised MasterFormat™ To be Released in Late April

Draft 4 of the expanded *MasterFormat* is scheduled to be posted for comment by April 30 at www.csinet.org/technic/mfrevision.htm throughout the fall. *MasterFormat* is scheduled for publishing, summer of 2004. To date, the expansion Task Team has sought input from more than 500 A/E/C industry organizations. Draft 4 reflects feedback that the number of divisions in Draft 3 compromised the benefits offered. There are three informational Groupings for Divisions with Group one holding most of the current Divisions 1-14 nearly all the current *MasterFormat*'s divisional framework, and new Divisions for communications and integrated building systems, heavy civil construction, and process engineering, and numbers reserved for future growth. as noted below, and the Section numbers will use the six digit designators for coordination with the *OmniClass*™ Construction Classification System. *OmniClass* is an international standard for construction information management for all data about a built project over its entire life cycle. It will give users the means to store and extract data across platforms and projects. MF Draft 4 includes the following content (division names and locations are subject to change):

Division 0 – Procurement and Contracting Requirements

- Division 1 – General and Performance Reqmts
- Division 2 – Site Construction
- Division 3 – Concrete
- Division 4 – Masonry
- Division 5 – Metals
- Division 6 – Wood, Plastics, and Composites
- Division 7 – Thermal and Moisture Protection
- Division 8 – Openings
- Division 9 – Finishes
- Division 10 – Specialties
- Division 11 – Equipment
- Division 12 – Furnishing
- Division 13 – Special Construction
- Division 14 – Conveying Equipment
- Division 15-19 – Reserved

Facility Services Grouping

- Division 20 – Reserved
- Division 21 – Mechanical
- Division 22 – Fire Suppression
- Division 23-24 – Reserved
- Division 25 – Electrical
- Division 26 – Communications
- Division 27 – Electronic Safety and Security
- Division 28 – Integrated Automation
- Division 29 – Reserved

Infrastructure Grouping

- Division 30 – Infrastructure Common Materials and Methods
- Division 31 – Utilities
- Division 32 – Transportation
- Division 33 – Waterway and Marine Construction
- Division 34-39 – Reserved

Process Construction Grouping

- Division 40 – Common Process Materials and Methods
- Division 41 – Material Processing and Handling Equipment
- Division 42 – Heating, Cooling, and Drying Equipment
- Division 43 – Gas and Liquid Handling / Purification and Storage Equipment
- Division 44 – Pollution Control Equipment
- Division 45 – Industry-Specific Manufacturing Equipment
- Division 46 – Electrical Power Generation
- Division 47-49 – Reserved

First Note

At the April CSI meeting, I introduced myself as the Laboratory Director of Public Service Laboratories on Pacific Highway in Tigard, Oregon.

Public Service Lab tests urine for substances of abuse. I have been the Laboratory Director of Public Service Lab since 1997. I will continue to be the Laboratory Director of Public Service Lab as long as Public Service Lab passes its Proficiency Sample Testing and stays a qualified testing laboratory for substances of abuse.

Proficiency Sample Testing consists of receiving "The Sample" from the College of American Pathologists three times a year. "The Sample" contains unknown quantities of substances of abuse. Public Service Lab analyzes "The Sample" and reports what substances of abuse are in "The Sample" and in what quantity. The results are compared to the results obtained by other laboratories subscribing to the program as well as what was put in the sample. Sometimes not enough laboratories agree on what was put in the sample so the sample doesn't count.

Second Note

April Meeting - Getting under the Skin. A panel discussed Moisture Control in buildings which is why molds are becoming such a problem. Molds are a problem because moisture is a problem. Moisture is a problem because the air tightness of buildings does not allow the buildings to breath. Water stays in the building spaces and the building spaces don't dry out. Molds like moisture and if moisture is present mold will be present. Why is this currently a problem? Because buildings are now being constructed to be air tight to conserve energy.

How do you solve the moisture problem but keep the building energy efficient?

One suggestion by Chester Machiniewski is a membrane which allows air to pass through it but not water. The membrane allows the building to breath. The building stays dry and doesn't gain moisture or loose heat in the winter or gain heat in the summer.

Third Note

The CSI Show at Construct America in McCormack Place, Chicago, Illinois.

Lee and I arrived Wednesday afternoon in time to greet friends, register and attend the Welcome Reception sponsored by Grace Construction Products.

Thursday I heard the keynote address by William McDonough FAIA "Good Growth: a Building like a Tree - a City like a Forest." His concept is that building materials should be recyclable so that they can be continued indefinitely. Building products are modified and used again and again never to be put in landfills.

After Lee and I visited some of the booths and Lee won one of the drawings, I attended a presentation entitled "Global Energy Master" by Merle McBride and Herbert Stone both with Owens Corning. McBride and Stone have developed a software program which can be used to calculate the energy and economic savings of residential and commercial buildings envelope components.

To develop the program, McBride and Stone took climate data from 4775 locations in the U.S., 1211 locations in Canada and 3634 locations in 134 countries internationally. They figured out the calculations based on the data using an average temperature for the buildings of heating degrees days to 65 in winter and cooling degree days in summer of 74. What amused me was that the CSI members from the Northwest Region, (specifically Cook Inlet Chapter) were able to get information on Anchorage and Fairbanks during the Question and Answer period.

Friday morning I heard another discussion on Green Design. This time the title was "Healthy Indoor Environments through Green Design" by Marilyn Black and Henning Bloach.

One of the first things they said was that currently there are no standards for pollutants of the indoor environment. The two main factors which control Indoor Pollution are ventilation and the pollution source.

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continued from page 12
Perky's Notes

Indoor pollution is getting a lot of press because of litigations. "Sick Building Syndrome" or "Building Related Syndrome."

Two suggestions were made and seemed to make sense to me. First install wet products first so they could dry out and off gas before dry products are installed. Second flush out the building before you expect people to start working in the building.

Greenguard is a third party non-profit organization which tests for VOC's Greenguard certifies products as low emitters. It is an ongoing program with quarterly monitoring for low emissions.

Friday afternoon I sat in on the Panel discussion entitled "How Good Documents go Bad or What went Wrong between Design and Construction?"

The Moderator was Judy Schriener and the Panel were Lewis Finkel, Edith Washington and Stephen R. Hagan.

They started by asking for questions from the audience. Things that commonly go wrong. Then solutions were discussed. The best one I heard was to have a central depository for changes. A spot where team members could check on a job's status.

There is a newly introduced 4D CAD schedule which correlates what part of construction has been completed and which part are ready for the next trade to install its products. It is integrated and interoperable so one can put in information as subcontracts are completed.

Another suggestion was to have the decision makers at the construction meeting and notify everybody in writing of the results of meetings. An additional suggestion was in the future to have a panel on what is effective in construction. Good communication and coordination equals success.

Edith Washington then inspired us at the Banquet first by telling us the number of people who could be CSI members based on their occupations. Second she discussed the idea that CSI is like a bunch of geese flying in formation. The CSI members follow the leader until this leader gets tired and drops back and another leader takes it place. So the whole flock is still flying only with a new leader.

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the MINUTES

*Portland Chapter, CSI
Board of Directors Special Meeting
February 11, 2003*

CALL TO ORDER: The meeting was called to order by President Jim Wilson prior to the chapter meeting at the Princeton Building.

PRESENT: Doug Allen, Joe Bolkovatz, Denise Carpenter, Scott Dicker, Cherie McNabb, Carolyn Miller, Jody Moore, Jim Wilson, Michael Wilson

ABSENT: Inge Carstanjen, Robert Schroeder

ALSO PRESENT: John Lape

CHAPTER DUES

Jim Wilson reported that the chapter is required to submit to national the dues structure for the coming year. The board reviewed the chapter's financial structure, the dues of other chapters in the region and nation. Cherie made a motion that the chapter raise their dues by \$20 per year, to \$55 per year to offset costs of the chapter's administrative costs, and continue with the services available to our membership. The motion was seconded by Scott, discussed and approved unanimously.

Respectfully Submitted,

Doug Allen, Secretary

*Portland Chapter, CSI
Board of Directors Meeting
March 4, 2003*

CALL TO ORDER: The meeting was called to order by President Jim Wilson at 12:05 P.M. at the Portland Chapter AIA Conference Room.

PRESENT: Doug Allen, Denise Carpenter, Inge Carstanjen, Scott Dicker, Cherie McNabb, Jody Moore, Jane Phifer, Jim Wilson, Michael Wilson

ABSENT: Joe Bolkovatz, Carolyn Miller, Robert Schroeder

ALSO PRESENT: John Lape

1. TASK TEAM REPORTS

- Executive Director: Welcomed Jane Phifer as our new Administrative Director, and discussed her transition status, question and concerns. A Transition Tasks matrix was presented by John with a summary of financial tasks and responsibilities of the Administrative Director and Board positions.

Jane will work with Inge at the March meeting to become familiar with our sign-in at programs.

2. COMMITTEE REPORT

- New Members: A new members orientation will be held at 5:00PM prior to the dinner meeting. Board members are encouraged to participate and welcome our new members.

- National CSI annual meeting delegates are: Jim Wilson (Chairman), Mike Wilson, Rick Heiserman, Lee Kilbourn, John Lape.
- Programs: March meeting will be Risk Management and Insurance, with a panel presentation. April looks at building skins and rain screen technology.
- Products Fair: Vendor reservations are coming in with 70 reservations so far. Our Keynote speaker has canceled. Looking for replacements. Considering a green building speaker. Educational events are filling up. Two of the planned four educational programs are filled.
- Nominations: One board position runs out in 2003, which we need a replacement and a treasurer position must be filled. All are encouraged to contact Joe with suggestions for candidates.
- Presented and approved. Discussion regarding a dues increase. Asked Membership Chair Lee Kilbourn to research dues structure of other region chapters. Board will meet prior to Dinner meeting to make a decision to present to the Institute prior to March 1, 2003.

3. FINANCIAL REPORT

- It was suggested that Jane provide cost recaps of events and dinner meetings for the board to review and monitor. Next years budget is being prepared with further review to follow at the April BOD meeting.

4. CORRESPONDENCE AND THE WORLD

- Mary Alice Hutchins FCSI, FAIA is recognized having 50 years of continuous membership with CSI. Longer than the chapter's existence.
- A location for the chapter archives is being reviewed by Inge, Denise, Cherie, and Doug. John Lape can store materials for the chapter till June 30th.
- March is CSI awareness month.

5. BOD MINUTES

February 4, 2003 Board Meeting Minutes were amended and approved.

ADJOURNMENT: 1:20 P.M.

Respectfully Submitted, Doug Allen, Secretary

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

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Kuykendall Marketing Services
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the CONTACTS

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Dan Graham, CSI, CDT	907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	
Andrew Estep, CSI	206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	
Perry White, CSI, CDT	1-800-344-8042
Spokane, WA (Second Thursday)	
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Portland, OR (Second Tuesday)	
Jim Wilson, CSI, CCS	503-222-1917
Capital, Salem, OR (Third Thursday)	
LaVone Clausen, CSI	503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	
Rodd Hansen	541-687-9600
Idaho, Boise, ID (First Tuesday)	
Jon Farren, PE, CSI, CDT	208-429-1309

THE PREDICATOR

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May 2003

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BUT IT WON'T BE IN AUGUST!
COME JOIN THE FUN THIS YEAR!

*THE ANNUAL CSI GOLF TOURNAMENT
IS FRIDAY, AUGUST 8TH
AT THE RED TAIL GOLF COURSE*

REGISTRATION WILL START AT 10:30am — SHOT GUN START AT 12:00 pm

WE WILL HAVE FOOD & BEVERAGES

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or ERICA@PI-EXPRESS.COM

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Thank you all for answering the CSI Golf Call!



the

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PREDICATOR

improving the process of creating and sustaining the built environment

A Walk in the Pearl Past, Present and Future



TUESDAY, June 10, 2003

By Scott Dicker, CSI CDT

Our President, **Jim Wilson**, has a well-known affinity for the outdoors and an enthusiasm for architecture -its history, current trends and future directions. As he retires from two years at the helm, it is fitting that we honor our friend and leader with **A Walk in the Pearl**.

We invite you to wander at your leisure through one of the most beautiful and fascinating redevelopment areas in the Pacific Northwest, **The Pearl District**. Meet at Jamison Square (NW 10th & NW Johnson) for an introduction of the tour where you will pick up your special guide with a map that highlights eight of the elegant new buildings. Walk along the streets of The Pearl while following the info-packed guide and learn about the history and current activity of the sites you visit during your self-guided walk. And, if you can locate the clues in Mr. Wilson's scavenger hunt, you may even win one of two very special prizes!

Following the tour, we will meet back at the Princeton Ballroom for friendly conversation, fellowship and dinner catered by Jake's.

You will learn much more about what you have seen on your walk when our featured speaker, **Kathryn Krygier**, Senior Project Coordinator for **Portland Development Commission**, shares the rich history of The Pearl development plans. She will talk about projects recently completed and under construction, and will give us a view of what the future holds for our Pearl District. Come hear what is in store for our Pearl!

Throughout the evening we will be celebrating the outstanding efforts of our Chapter's dynamic contributors and feting our retiring President. So come one and come all to share in this very special evening!

Princeton Building—614 SW 11th Avenue

\$30.00 per person—sponsor a table for 8 for just \$220.00

4:30pm Meet at Jamison Park - and get your Guide & Map

4:35 - 5:40pm Self-Guided Walking Tour of The Pearl

5:45pm Meet Your Colleagues at the Princeton

6:45pm Dinner, Catered by Jake's

7:30 to 9:00pm Presentation

Register today! See the back cover for easy reservations and details.

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VOLUME 42, No. 11

Portland Chapter CSI
Monthly Newsletter



Advancement
of Construction
Technology

president's message

By Jim Wilson, CSI, CCS, AIA



If only I knew then, what I know now! Then again, now I do!

Recently I have thought that I will miss the opportunities and functions that have come with being Chapter President. Mind you the thoughts have passed, but they provided a moment for reflection. It has been a busy two years that went not entirely as I had expected. Starting out, the big challenge was a

Long Range Plan for the Chapter, to be drafted in the Fall of 2001. Events far beyond our control, and possibly our comprehension, conspired against that schedule, delaying our efforts until Spring of 2002. We did emerge with a Plan however, though its full implementation remains a challenge for us to fulfill. We have implemented the transition to our new Administrative Director and transitioned from the Chapter's financial management structure that has been in place for six years or more (one that has served us admirably, thank you John Lape).

Then there was all of that work to be done. SRG, like many firms, did a roaring business during this time and office demands increased greatly. Balancing professional responsibilities with Chapter duties was a huge challenge for me. Then there is that house to be re-built.

We saw some terrific programs, and we are each indebted to our creative, hardworking and highly effective programs committee for keeping us engaged, enlightened and even entertained the second Tuesday (mostly anyway) of each month. Our membership and technical committees worked hard to help us understand coming changes to MasterFormat and keep our Chapter membership roster healthy. There were two winning Products Fairs produced by Cherie McNabb and Cornelia Gibson, and in a challenging economic climate, each proved a success. We enjoyed some great rounds of golf thanks to the hard work of Erica Bitterman. Other special events included our Chapter hosting the "architectural event of the year in Portland" with 2002 Keynote Speaker Michael Graves' return to Portland twenty years after the Portland Building dedication, and the Institute Director's and Executive

Committee's meetings here combined with a visit by architecture critic Robert Campbell. Great opportunities all, and the contributions of many people were needed to take them from idea to reality, rather like a building! I am grateful to everyone who has contributed to the vitality of this Chapter over the past two years, by giving your time and ideas, contributing as an event sponsor, and participating in our programs, meetings and special events - *thank you!*

I honestly had no idea how rewarding taking on this role would actually prove to be. In ways I neither expected nor looked for I have gained insights and experiences that have already proved more valuable than the time and effort invested to acquire them. As I considered my final President's column, "If only I knew then..." I found myself recalling an opportunity I had many years ago, but lacked the insight to see it. In College I studied for a semester in Copenhagen, Denmark and lived with a Danish family, Claus and Edith Arup. It was a great experience and offered many insights into Danish traditions and family life, impossible to get any other way. Dinner with extended family members was a fortnightly feature of the household and on one particular occasion Claus' brother Ove came to dinner. This was indeed the Ove Arup, the engineer who made it possible to build Jørn Utzon's (this year's Pritzker Prize winner) design for the Sydney Opera House, and the founder of the international engineering and design firm based in London. Did I ask for a job? Did I ask if I could simply visit him at his office as I would be in London that summer? Was I a fool? Foolish at the least! What I know now though is to seize each opportunity when it comes, and if it does not look like an opportunity upon arrival, consider it together with your desires and it very well may.

Serving these past two years as your Chapter President had been an invaluable experience and I am grateful to the members of CSI for making it possible and the support of my office SRG Partnership for making it manageable. Lastly, I am very grateful to have two fantastic people who will be following me in the succeeding years. Our incoming President Cheri McNabb with Willis Supply, and our President Elect, Scott Dicker with Otis Elevator. I am certain you join me in wishing them the best in their respective tenures and trust you will favor each of them with your support and encouragement as you have favored me. As to those who will follow Cheri and Scott, look hard at that opportunity and make it your own, I am certain your temerity will prove richly rewarding.

BS by KS - basic specs

By Ken Searl, FCSI, CCS or Ken Searl FCSI CCS

As a Certified Nit Picker CNP I will give you folks a whole bunch of nitpicking. I was told it is a dirty job but somebody has to do it.

ITEM 1

Why is it necessary to place commas after a name and after each title, FCSI etc? It looks much better with no commas and there is no doubt it does not need commas even if we were taught to do so. Note my name at the top of the page.

ITEM 2

Why do so many people place a comma after name of city when using USPS 2 letter State designation? This item does not come under the standard comma rules. I refer you to United States Postal Addressing Standards Page 22 item 222 "Punctuation" which accepts the comma but it shows they prefer no commas so why are some folks still placing commas? (I know, because we have always done it that way.) My city address is Salem OR 97302.

ITEM 3

In a recent BS Column I mentioned that your car side mirrors should not be set so that the driver can see the sides of the car under normal driving conditions. I want to add to that information another benefit one gets if your side mirrors are set so that the driver has to lean forward at times to see down the sides. Not only do you get no headlight glare from the rear at night but you also can back out of a diagonal parking space and see cars approaching from the rear much sooner. Another item regarding mirrors is why does the right hand mirror have the words stating, "Objects are closer than they appear". Wording is very dim. This is almost dangerous because when looking in right hand side mirror one still gets the impression that what shows in the mirror is way back. Can anyone tell me why this right hand mirror condition exists. My station wagon has a wide rear window and I don't need to use the right side mirror to see what is behind me in the right hand lane. I use the center interior mirror.

ITEM 4

Why is it necessary to turn on your turn signals when at the stop line there is a sign on a metal post stating, "Right (or Left) turn only" and up adjacent at the overhead stoplight there is another sign with a right or left arrow pointing in correct direction with the

word "ONLY". I see this condition many times. The funniest condition in my area is to go to Portland via the Freeway from the west where one gets into a third lane on the right stating that it goes to Eugene and to Portland. When one gets over the Freeway (same Lane) it then turns right and makes a semi-circle into the Freeway going to Portland. One has not changed lanes but I see many drivers when they get to the right hand turn they turn on their turn signals. Why? They have not changed lanes. To me it shows they are driving automatically and not really thinking and this can under certain circumstances get one into big trouble.

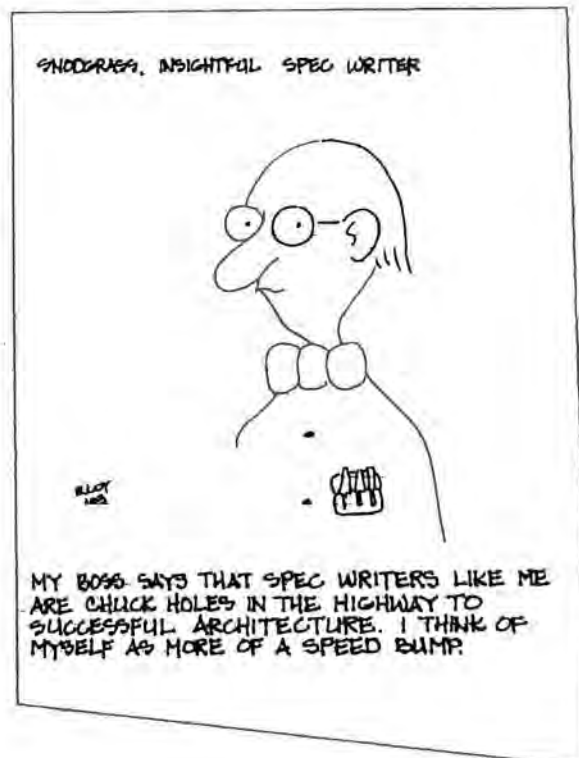
ITEM 5

I notice every now and then that someone is driving with a turn signal left on, sometimes several miles. This can happen to almost anyone because the driver is watching the road with a weak audible signal and a blinking indicator in dash are not noticed. Why can't the automobile manufacturers install a blinking light inside directly above the interior side of the windshield? I think I know why, because it would cost a few dollars more.

3

the real world

By Ed Loy, CSI, CDT



the CALENDAR

Portland Chapter CSI Events

2003

Join us the second Tuesday of the month.

June 10 *A Walk in the Pearl*

Past, Present and Future

A tour of the Pearl District and a celebration of our Chapter. See the back cover to sign-up!



Aug. 8 **Portland's CSI Annual Golf Tournament**

Red Tail Golf Course

Contact Erica Bitterman at
503-274-2030.

Region & National CSI Events

4

June 26-28 **CSI University**
Philadelphia, PA

Oct. 2-5 **Region Conference**
Boise Riverside Doubletree Hotel

*For more information, call the CSI office:
503-805-2500.*

Other Events

2003

Aug. 20-23 **AIA Regional Convention**
Oregon Convention Center



**Advancement
of Construction
Technology**

McGraw-Hill Co. to Publish the 2004 NW Region CSI Directory

McGraw-Hill Construction Publications and the Northwest Region CSI are partnering to produce the 2004 NW Region CSI Membership Directory and Specifiers' Guide. Look for a letter, promotion and Specifiers' Guide listing verification form coming to you in the mail soon.

Be sure to fax or mail your specification section numbers and titles for the Specifiers' Guide before June 15, to ensure you will be listed correctly in the 2004 Directory and Specifiers' Guide.

For advertising information please contact Bryan White at McGraw-Hill (503) 916-4776 or see the promotion on page 9 in this newsletter.

ABBREVIATIONS

LU's — AIA Learning Units available
HSW — Health, Safety & Welfare credits

CONTACTS

Program Production
•Jody Moore 503-284-6799 x13
•Scott Dicker 503-639-7045

SSG Specifiers Share Group
•Michael Madias 503-224-6767 (meets every other Thursday, 12-1pm, ZGF, 320 SW Oak, 5th Fl.)

If you have a function that you would like listed contact the Editor of *The Predictor*, Dianne Kuykendall (503) 631-3782.

The Chapter is a licensed provider of AIA continuing education credits. For approval of a program, contact John Lape (503) 243-2837. The Chapter will provide certificates of attendance for engineers for Professional Development Hours (PDHs). Check meeting announcements or seminar registration forms for events that qualify.

the ANNOUNCEMENTS

Hirte Named AGC Chapter President of the Year

Jim Hirte, Founder and President of Sherwood-based Colamette Construction, Inc., has been named the Associated General Contractor's Chapter President of the Year. Jim Hirte served as President of the Oregon-Columbia Chapter of the Associated General Contractors (AGC) for Year 2002. The Oregon-Columbia Chapter, also recognized as Chapter of the Year, was established in 1920, and is a 1,200-trade member organization representing the commercial construction industry in Oregon and SW Washington. AGC has 102 active chapters throughout the United States.

"While it is a great honor to be named Chapter President of the Year, it is really the cumulative efforts of the entire chapter, members and staff, that results from this outstanding recognition. Each and every member of the Oregon-Columbia Chapter should take personal pride in this award," commented Hirte. "Our influence at the state, city and county governments continues to increase and we do not falter despite the frustrations and setbacks."

Hirte is a graduate of Oregon State University, and has spent his 30-year construction career in the Portland-Metro area. He founded Colamette Construction in 1979 and the company has grown to annual billings of \$25 million. This past January, Colamette was awarded 3rd place in the construction category in the *Portland Daily Journal of Commerce's* Profiles of Excellence competition.

Extremely active in community and professional organizations, Hirte is currently Chairman of the Providence Newberg Hospital Community Board and President of the Newberg Chamber of Commerce. He is also a 12-year member and Vice-President of the Newberg Noon Rotary Club and a member of Rotary International. Hirte served as CSI Portland Chapter President from 1991-1993.

Colamette Construction is a full service contractor with private and public clients throughout the state of Oregon. Recent local projects include a new facility for long-term client A-dec Corporation, and the new Newberg Church of the Nazarene.

HELP WANTED

Position - Specifier
Location - HGA Minneapolis Office

HGA is an award-winning 600 person architectural, engineering and planning firm. We have an excellent opportunity for a highly skilled, technically competent Project Specifier whose experience includes a broad range of project types and delivery systems to join the Specifications group in our Minneapolis office.

The ideal candidate will be experienced with editing/writing specifications using Word and also in using other Microsoft office programs and sensitive to the expanding technology trends of document production and delivery methods. This is a very hands-on environment offering a great opportunity for the right person to utilize their expertise in producing quality documents on a variety of award winning projects.

If you consider yourself to be an effective team member capable of motivating others and skilled at problem resolution and working with a variety of people and situations and wish to combine both your technical expertise and interpersonal skills, let us hear from you! 10 years' architectural/specifications experience and CCS certification required. Experience on healthcare facilities is desired. Unique skills or credentials and ability to be proactive will be considered.

To send a resume, or for more information please contact the Human Resources Department:

Sandy Parsley,
Hammel Green and Abrahamson, Inc.
701 Washington Avenue North
Minneapolis, Minnesota 55401
612-758-4566, 612-758-9566 (fax)
or sparsley@hga.com



Here is an update on recent SSG activities:

April 24 SSG Topic: Epoxy Terrazzo Floor Topping

Scott Kaiser, representing General Polymers™, talked to the SSG about thin epoxy terrazzo floor finishes, products that fall into a broad group of available systems within the general

category “resinous flooring.” These floor finishing systems approximate the appearance of traditional cement-based terrazzo floors but use far less materials and labor to install. The product Scott showed us is essentially a solid color epoxy coating to which are added chips of stones which can be made up from an almost infinite variety of colors. As with traditional terrazzo, a grinding step is used to reveal the full color of the epoxy/aggregate matrix.

These products can be used in simple formulations where chemical resistance or heavy duty use is required or in public spaces, primarily as a decorative surface—which also happens to be a heavy duty, low maintenance system. Because of these features, this flooring type is often used in very large facilities like airports and sports venues.

It is important to locate—and specify—qualified installers. This can be done by listing specific firms or by requiring that installers be approved or certified by the flooring manufacturer. Scott also talked about the procedures for substrate preparation, concrete slab moisture testing (prior to installation of epoxy), crack control and special design features. The trade association which represents the manufacturers and installers of these systems is the National Terrazzo Mosaic Association (www.ntma.com).

Substitution Request Form/Procedures

Ken Searl, representatives of CSI NW Region and others have been updating the standard CSI Substitution Request Form. The process has revealed that there are numerous versions of the

“official” form in circulation, so one of the objectives, along with any revisions, is to produce and publish a form that can be universally adopted and used by all interested parties. The SSG spent one session reviewing possible revisions that could add additional criteria for acceptance. Within the next few weeks the updated version, along with accompanying Division 1 procedures, will be posted on the Portland Chapter website.

MasterFormat™ Draft 04

Along with many other interested parties, the SSG is following the emergence of some form of rebirth of CSI’s MasterFormat™. By the time you read this issue, the full version of the expanded classification system will be available for review and comment (see www.csinet.org). We should all be encouraged to look at the proposals carefully and continue to provide feedback to the national committee and leadership.

Portland CSI Products Fair

Although the SSG did not formally participate in the planning for the Products Fair, since so many of our members are involved in writing product specifications, the opportunity to view products and talk to many representatives was greatly appreciated. I heard many good comments from Fair goers and we were able to make contacts that may lead to future SSG topics. The SSG thanks those who made the effort to exhibit and those who worked hard to organize this annual event.

SSG Meeting Information!

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays.

Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Michael Madias (mike@beautifulbuildings.com) or David Shelman (david@thomashacker.com).

friends of dennis obert

Many of you probably know or remember Dennis Obert. Since his affiliation with the Portland Chapter of CSI began in 1975, he has been a member and/or chairman of such groups as the Membership, Education, and Technical Committees and the Board of Directors and an instructor for CDT certification. He was Editor of the *Predicator* from 1978-80, Treasurer from 1986-1987, and President from 1990-91. He also served on several Northwest Region committees and received numerous Chapter and Region awards and commendations.

You may have noted that he has been conspicuous by his absence in the past few years. In 1999 he was diagnosed as having one of the greatest of challenges—ALS, commonly known as Lou Gehrig's disease—a debilitating condition with no known cure.

He now "cruises" around in a five-speed, front wheel drive, cherry red, power-controlled, tilting seat, low-sloping all-terrain wheel chair and communicates through a computer-generated "voice" named Harry. Despite the obvious logistic challenges, he has become a licensed Minister (a long-time desire of his) and conducts memorial services, does counseling, and helps lead small discussion groups.

Unfortunately, many of the treatment modalities which enable him to live with the greatest comfort and highest degree of functioning and/or show promise in improving his condition, as well as most home health and respite care, are not covered by his insurance.

Therefore, a group of people whose lives have been touched by Dennis's encouragement, incredible patience, warmth and generosity of spirit, courage, sense of humor, joy in living, winning smile, attention to detail, and ability to make "lemonade" from a "lemon" have formed the Friends of Dennis (FOD) to assist him in "living well" with ALS.

The FOD goal is to raise thousands of dollars through such enjoyable group activities as dinners, concerts, auctions, walk-a-thons, etc, as well as through private donations and grants. Dennis's Master Specification System will also be available for sale. Gifts of time and talent are also welcomed.

Here are some opportunities to join the FOD in sharing resources and caring in support of Dennis as he has supported CSI and others:

For information regarding up-coming events as dates become known or to volunteer to host a small private fund-raising dinner, call Jane at the CSI office — 503-805-2500.

For information about purchasing a copy of Obert Master Specification System or assisting with the project, call Dennis' wife, Jean, at 503-885-9278.

For information about visiting, being a respite caregiver, or helping out with seasonal household projects, call Corry at 503 452-3826.

Donations may be sent to:

Friends of Dennis

Attn: Carrie Kirk, West Coast Bank,

11675 SW Pacific Highway, Tigard, OR 97223

7

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In the Northwest: Matthew Simons, CSI
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When Sorting Through Recycling Issues, Terms Can Be Confusing

As the construction industry becomes more aware of *green building* procedures, the terminology used in planning and evaluating *green* projects can pose a challenge. For design and construction professionals who are taking on more *green* projects, and for those who are advancing into areas such as applying for certification under the Leadership in Energy & Environmental Design (LEED) criteria, keeping some standard terms straight is important.

Terms such as *recycled* or *recycled content* may mean different things to different people. Understanding terms and procedures such as *salvage*, *deconstruction* or *energy recovery* can better position you and your firm to understand some of the new *green* standards that are being applied to a growing number of projects. Having a working grasp of these and other green-related terms can also be useful if you are bidding projects where the specifications call for specific procedures for managing and disposing of construction-related waste and debris.

8

What Is The Goal In Managing Debris?

The ultimate goal for all construction site resource conservation and recycling efforts is to reduce the amount of material that will go to a landfill, and maximize the quantities of material that will be reused and recycled. Usually (but not always) this supports another important project goal – to save money managing construction waste. There are a wide range of issues to consider when crafting a construction site recycling plan from cost to time involved to safety and feasibility. The effect of these efforts can be evaluated on a rough hierarchy of recycling effectiveness. Here, in descending order, is a hierarchy of typical recycling strategies used with construction and demolition debris. The first strategies listed preserve the highest value of the building materials in a building project and the last strategies make the worst use of the material:

- **Relocation**
- **Deconstruction and/or Salvage**
- **Recycling**
- **Composting**
- **Energy Recovery**
- **Landfilling**
- **Incineration**

Here are some general definitions for each of these levels on the hierarchy:

Relocation – The bracing and packaging of an entire structure or sections of a structure for relocation to a new site for direct reuse (i.e. moving an entire house to a new lot).

Deconstruction – The process of disassembling an entire structure or a portion of a structure in reverse order of assembly for the purpose of salvaging the building materials for reuse (i.e. the process of deconstructing a kitchen involves first removing the millwork and cabinets, flooring, wallboard and then wall framing. These materials are then cleaned and packaged for resale.)

Salvage – The removal of selected structural and non-structural building components for the purpose of reuse as building materials (i.e. removing antique light fixtures or architectural detailing from an older building to be reused in another building.)

Recycling – The process of converting a segregated product like corrugated cardboard back into another paper product.

Composting – The mechanical and biological process of converting yard waste, land clearing debris and wood into a mulch or soil amendment for use in the agriculture industry or in gardening

Energy Recovery – The burning of segregated, high Btu waste materials (such as wood, tires and oil) as a fuel for an industrial process such as a boiler or power generation facility.

Landfilling – The dumping of unsorted waste and debris into a large pit where it is covered or buried.

Incineration – Just as it sounds, the burning of waste solely for the purpose of getting rid of it.

In the next article, we'll elaborate on some of the specific types of recycling, the different types of recycling facilities, and the variety of ways you can recycle on a job site, as well as some of the techniques demolition contractors are using to reduce the material going to landfills from their jobs or portions of jobs.



Portland Oregon
Improving the process of creating and sustaining the built environment

Dear CSI Portland Chapter Member,

In an effort to enhance the value of your membership in CSI Portland, the Chapter Directors wish to better understand your needs and wants. Please take a few minutes to fill out this survey and help your Chapter create more value for members. Completed surveys can be returned to the Chapter Office at AIA, at the June Chapter Program or by mail or fax to Administrative Director Jane Phifer:

PO Box 5116, Salem, Oregon 97304 or fax 503-587-0337

General Information

What is your role in the industry? _____
 How long have you been in the industry? _____
 How long have you been a CSI member? _____
 Why did you join CSI? _____

 What other professional organizations do you belong to? _____

Defining the value of your Portland CSI Membership

Please rate the following as:	Extremely Valuable	Somewhat Valuable	Not Valuable
Education Programs	-	-	-
<i>The Predicator</i>	-	-	-
Networking opportunities	-	-	-
Certification/Credentials	-	-	-
Products and Services Fair	-	-	-
Monthly Meeting	-	-	-
Social Hour	-	-	-
Presentation	-	-	-
Share Groups	-	-	-
Golf tournament	-	-	-
CSI Portland website	-	-	-
Overall value of your membership	-	-	-



Portland Oregon
Improving the process of creating and sustaining the built environment

Your participation in Portland CSI

How many monthly chapter meetings do you attend each year? _____

How many CSI events did you attend last year? _____

Are you a member of a Chapter Committee or Board of Directors? _____

What would attract you to participate in more Chapter events? _____

How often do you call on or utilize your CSI contacts/network? _____

1 x / month 2 - 4 x / month 5 - 10 x / month more than 20 x / month
(CIRCLE ONE)

How do you utilize your CSI contacts/network? _____

Do you promote membership in CSI to your colleagues? YES / NO

Why? _____

What could CSI Portland do that would make it easier for you to be involved in your chapter? _____

Monthly Meetings

Is our current location downtown at the Princeton Ballroom acceptable? YES / NO

Why? _____

Please list other locations you would prefer _____

What is the best time to schedule our meetings? _____

morning (7 to 9 AM) noon (12 to 2 PM) evening (5:30 to 9 PM) combination
(CIRCLE ONE)

In the past two years which Chapter presentation was the most valuable to you and why? _____

Generally are the Chapter programs of value to you? YES / NO

Please tell us of 3 topics you would attend a Chapter program about _____



Portland Oregon

Improving the process of creating and sustaining the built environment

Education

In the past two years what stands out as the most valuable education event you have attended (CSI event or another organization)? Who produced the event and why was it valuable? _____

Which of the following subjects would you attend a Chapter education program on?

- | | |
|-----------------------------|--------------------------------|
| Economic Trends _____ | Information Technology _____ |
| OSHA Regulations _____ | Building Codes _____ |
| New Product Devel. _____ | New Construction Methods _____ |
| Construction Failures _____ | Legal Trends E&O, Claims _____ |
- Other topics: _____

What location for education events would attract you to attend, downtown, suburban, other? _____

What is the best time to schedule education events?

(CIRCLE ONE)

- morning (7 to 9 AM) noon (12 to 2 PM) evening (5:30 to 9 PM) combination

What presentation format do you generally find to be of greatest value?

(CIRCLE ONE)

- Single speaker Panel discussion Web-based Extended attendee Q&A

Other types? _____

Have you attended a Web-based presentation? YES / NO

Who was the producer/sponsor? _____

Would you be likely to attend future Web-based presentations? YES / NO

Communication

Which of the following do you routinely rely upon to get information on Portland CSI?

(CIRCLE EACH THAT APPLIES)

- The Predicator* Website Mass faxes E-mail Telephone

Would you prefer electronic distribution over hard copy for any of the following?

(CIRCLE EACH THAT APPLIES)

- The Predicator* Event information/Registration Programs / Educ / Products Fair

Which of the following do you regularly read?

(CIRCLE EACH THAT APPLIES)

- CSI Leader Construction Specifier CSI News Digest Other Industry Pub?



Portland Oregon
Improving the process of creating and sustaining the built environment

Products Fair

How many years have you attended the Chapter Product Fair? _____

How much time do you spend once there? _____

What part is of greatest value to you?

(CIRCLE ONE)

Product Displays Education Seminar Mini Seminars Keynote Address

Would you attend a two-day event? YES / NO

How many years have you attended the Chapter Product Fair? _____

Do you typically attend other local trade shows? If yes which one(s)?

Have you participated in Portland CSI Product Fair as a vendor? YES / NO

If yes, how many times, and what would make the show a better value for your firm?

The Portland Chapter of CSI regularly produces the Chapter newsletter, *The Predicator* (11 issues per year) with a circulation of over 1,000 recipients; ten monthly dinner meetings each having a 90 minute presentation on construction related topics of interest to our members and the community with regionally and nationally recognized authorities (annual features September construction project tour, an Architecture Week event in October, and Engineering focus in February); two education seminars (2003 events were MasterFormat 2004 featuring Dennis Hall, and Construction Waste Recycling produced by Metro); our annual Construction Products and Services Fair at the Oregon Convention Center features over 120 vendor booths, three 90 minute education seminars, six vendor produced mini seminars, and a Keynote Speaker address (past speakers include Thom Mayne, Moshe Safdie and Michael Graves); annual Golf Tournament and other special events during the year as opportunities and resources permit.

If you are interested in participating in planning and producing any of these events or have suggestions for specific subjects or speakers please contact Administrative Director Jane Phifer or the appropriate Committee Chair listed in the back of each issue of The Predicator.

Thank you for your time and attention to complete this Survey.

Advertise in the 2004 Northwest Region CSI Directory and Specifier's Guide



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Creating and
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Inside Back Cover: \$1,695	7" x 4 1/2"	1/2	\$ 795	\$1025	\$1345
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(Cover rates include 4-color treatment)	3 1/2" x 2 1/2"	1/8	\$ 395	\$ 625	\$ 945

"As a Regional Architectural and Engineering firm, INTEGRUS needs to know what's available in specific areas. The NW CSI Directory is our best, updated resource for those area's local rep's and products."

- Arthur A. Nordling, FCSI, CCS, AIA,
INTEGRUS, Architecture, P.S.
Spokane Chapter CSI member

"My dog-eared copy of the 2002-03 Northwest Region Membership Directory & Specifiers' Guide will continue to be a main resource for contacts until I get my 2003-04 copy. When's it coming?"

- Loren Berry, AIA, CSI, CDT,
Berry Architects PC
Willamette Valley Chapter CSI member

"I keep mine handy (I actually can find it in less than 30 seconds) and have used it a couple of times."

- Ed Storer, CSI, CCS, NBBJ Design. Puget Sound Chapter CSI member

"The Internet is great for general info but when I want to talk to a real person and discuss local conditions, then I look in the NW Region Directory and Specifiers' Guide."

- Lee Kilbourn, FAIA, FCSI, CCS, Zimmer Gunsul Frasca Partnership.
Portland Chapter CSI member

Call or fax today!

Jim McGuire: 206 378-4711
fax: (206) 378-4721
Bryan White: 503 916-4776
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Please call - Best time to call _____

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ready mix concrete can help achieve leed program points

First in a series of informational columns on concrete presented by The Oregon Chapter of ACI and local redi-mix producers.

The Leadership in Energy and Environment Design (LEED) program initiated by the US Green Building Council (USGBC) has recently been upgraded from version 2.0 to 2.1 with changes in reporting and recordkeeping designed to simplify the certification process and make LEED more attractive for general use. Lower life cycle costs are usually achieved yielding increased profitability for owners. LEED adherence further demonstrates a positive environmental image on behalf of the owner.

Governmental requirements are continuing to increase application of LEED principles for local, state, and federal projects. The state of Oregon is also encouraging private development of LEED structures by implementing an energy tax credit for structures with Silver or better LEED rating.

The Concrete Industry and LEED

The concrete industry participates in earning LEED points which can contribute to project certification. The extent to which the industry can participate in LEED is largely a result of project design. The following is a compilation of possibilities under the LEED program:

(SS) Credit 5.2 - Reduced Site Disturbance (Footprint). (1 point)

The use of Controlled Low Strength Material (CLSM) may be considered for this point where it may allow for reduced intrusion on sensitive areas around the periphery of a structure. The use of CLSM may allow for significantly reduced excavation with more vertical sides which may result in reduction of fill volume. Reduced fill volume and reduced requirement for labor and equipment (CLSM is self placing and self consolidating) can enhance project economics.

(SS) Credit 6.1 - Stormwater Management Rate and Quantity. (1 point)

The use of pervious concrete pavements can be considered for sidewalks, parking areas and traffic lanes where suitable conditions exist. Pervious pavement can allow storm water to enter the underlying aquifer directly through the pavement without the use of stormwater drainage systems.

(SS) Credit 7.1 - Landscape and Exterior Design to Reduce Heat Island (non roof). (1 point)

Light reflectance of concrete is 2 to 7 times greater than that of asphaltic concrete resulting in less absorbed energy from sunlight. Reduced energy absorption provides lower temperatures around developed areas.

(SS) Credit 8 - Light Pollution Reduction. (1 point)

The light reflectance offered by concrete means less lighting energy is required for illumination than asphaltic concrete and may be considered by LEED for reduced light pollution leaving the site.

(EA) Credit 1 - Optimize Energy Performance. (1 to 10 points)

The beneficial thermal mass effects of concrete may be utilized to provide energy cost savings. Points are awarded for energy reductions between 15% and 60%. Insulated Concrete Forming (ICF) systems provide beneficial thermal mass effects combined with insulation for energy optimization and will most likely receive points under this credit.

(MR) Credit 1 - Building Reuse. (1 to 3 points)

Reuse of the building shell and interior surfaces during renovation is largely enhanced by the long-term durability of concrete. Points awarded under this criterion are dependent on the extent of existing building shell (exterior walls and roof) and interior surfaces retained during renovation.

(MR) Credits 2.1 & 2.2 - Construction Waste Management. (1 to 2 points)

Diversion of demolition construction and land clearing waste from landfill disposal is the basis for this credit. Concrete is readily recycled into aggregate typically used as base and fill material. Fifty percent by weight of material diverted from landfill gains 1 point and 75 percent gains 2 points.

(MR) Credits 4.1 & 4.2 - Recycled Content. (1 to 2 points)

Post consumer (PC) and post industrial (PI) recycled materials utilized in the structure contribute to points under this criterion. Reinforcing steel contributes to the post consumer content while supplementary cementitious materials (fly ash, ground granulated blast furnace slag and silica fume) contribute to the post industrial content and are 100% recycled material. For PC > 5% or PC + PI > 10% 1 point is earned. For PC > 10% or PC + PI > 20% 2 points are earned. Concrete wash water slurry should comply with this requirement.

(MR) Credit 5.1 - Local Regional Materials Locally Manufactured. (1 point)

This credit applies to 20+% of building materials manufactured within a radius of 500 miles from the construction project. Manufactured is considered to be the final assembly of components into the building product that is furnished to and installed by tradesmen. Source of the raw materials making up the manufactured product is immaterial. Cement could be supplied from China, fly ash from Wyoming and silica fume from the Eastern states and local concrete produced with them would comply with this requirement.

(MR) Credit 5.2 - Local Regional Materials Extracted or Harvested (50% of the 20% in Credit 5.1). (1 point)

This credit applies to raw materials harvested or extracted within 500 miles of the project. This requirement applies to all constituents of a concrete mixture. With concrete consisting predominantly of aggregate and most aggregate mined within 500 miles of projects, concrete should qualify for this point.

(ID) Credit 1 - Innovation (1 point)

This point for innovation involves reduction in generation of CO₂ associated with the production of Portland cement. Concrete mixtures utilizing 50% fly ash by weight of total cementitious materials have been awarded this point.

Review of the preceding credit areas shows that concrete can participate in up to 24 points (35% of possible) in the LEED program depending upon circumstances, conditions, and design. The key for the concrete industry to maximize LEED point participation is for the project team (Architect, Engineer, Contractor and Concrete Supplier) to work together as early in the construction process as possible. The Oregon Chapter of ACI (503-399-7312) and local redi-mix producers are good sources of information to assist you with LEED issues related to concrete and other concrete solutions.

CSI 2003 Golf Tournament



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Please sign up TODAY!!!

PLEASE CONTACT ME — The 2003 Golf Tournament Committee
 Erica Bitterman, CSI, SDA, Precision Images
 503.274.2030 or Erica@pi-express.com



GOLF REGISTRATION

Cost is \$80.00 per player-\$320.00 for a foursome (includes green fees, cart, awards, and meal by Red Tail)

Contact Name: _____ Phone: _____ Fax: _____

Please fill out this form with all player information and send with check. Checks made payable to CSI Portland Chapter and mailed to Precision Images C/O Erica Bitterman 900 S.E. Sandy Blvd, Portland, OR 97214.

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PLAYER REGISTRATION

1st Player Name (Team Contact) _____

Firm Name _____

Phone _____ Fax _____ Handicap _____

Player Two _____

Firm Name _____

Phone _____ Fax _____ Handicap _____

Player Three _____

Firm Name _____

Phone _____ Fax _____ Handicap _____

Player Four _____

Firm Name _____

Phone _____ Fax _____ Handicap _____

We encourage sponsors/teams/CSI members to donate raffle prizes or provide logo items for the tournament at their assigned sponsored holes. Items can be passed out at registration or at assigned hole tee box. Please let me know if your company will be doing so and what items, so your company gets recognized for your generosity and support of CSI.

SPONSORSHIP LEVEL

Gold sponsor \$1,500.00	_____
Silver sponsor \$ 750.00	_____
Hole sponsor \$ 300.00	_____
KP/LD Sponsor \$ 200.00	_____
Door/Raffle Prize	_____

Please indicate what Prize is _____

Individual Player: \$80.00/Player _____

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Portland Products & Services Fair A Big Success

Thank you to Cascade Chapter of US Green Building Council and the Pacific NW Regional Council of Carpenters for putting on the education sessions. Also, thanks to all the firms who paid for a booth at the fair.

And, a special thank you to everyone who came to visit the fair. Be sure to come next year, as it will be the 30th year for the Products and Services Fair. We will have some special events to help celebrate!

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a note from the president

Paying our dues

What is the most limited resource available to you right now? For myself I know it is time, and I expect you are no different from me in this regard. I want to be active, make my contribution and participate in Chapter events and affairs, but it is a challenge to accomplish all the work on my desk let alone volunteer time for CSI. We are going to make it easier for any member to actively participate in Chapter governance, from committees, to task teams, and special events. We are doing this by paying for a professional to handle many administrative duties that previously were the responsibility of volunteers. Our Administrative Director can handle mailings and room arrangements for that Education Seminar. She can coordinate speaker AV requirements and facilitate planning for that Chapter Program. A special event for which special support is required? We have a new resource who can assist you! Additionally we are working on new tools such as a membership database, electronic distri-

bution of chapter communications and other technology tools to make our operations more effective.

In order to extend this opportunity and capitalize on the value it can provide through easier participation and enhancement of Chapter programs and events your Board of Directors has authorized the first increase in membership dues in 7 years. Chapter dues have been increased from \$35 per year to \$55 per year for our Fiscal Year 03 - 04 beginning July 1, 2003. No one enjoys paying more for something than they are accustomed to, unless they receive more value in return. It is our commitment to you that you will find it easier to get involved with your Chapter and doing so you will find much greater value in your membership in Portland CSI, and I hope you will join me and your other Chapter leaders by participating in our Chapter's bright future. I firmly believe you will experience an increase in the value you receive by being a member of the Portland Chapter of CSI as a direct result of this investment in the Chapter.

perky's notes

By Perky Kilbourn, CSI

First: I was notified by Miki Van Houten, Laboratory Compliance Specialist with the Oregon State Public Health Laboratories that Public Services Laboratories, Inc. had no deficiencies cited for the April 23, 2003 on-site survey. Public Service Laboratories, Inc. is certified for high complexity testing of individuals for substances of abuse.

Second: AIA/Portland hosts the 2003 Northwest and Pacific Regional Conference "Practice Made Public, architecture in an environment of public participation," August 20-24, 2003. Exhibits are requested on products or services which meet one of the LEED-based criteria. Public Services Laboratories, Inc. is considering having an exhibit since it is certified for high complexity testing.

Third: The titles of BS by KS Columns have been sorted into the 16 Divisions. Please let us know if you would like the location of all of the titles of all the BS by KS Columns discussed in each of the 16 Divisions.

Fourth: CSI Portland Products and Service Fair seemed to be a success and I enjoyed the keynote. Speaker, Dr. Jay Brand "The Cognition of Creativity." The key to being creative is connecting information which is already available in a new and novel way which is then generally accepted as a good idea and thus implemented. Creative individuals are able to relate things that on the surface do not appear to be very similar. Most people and groups that create a breakthrough are not able to remember the steps which got them to the breakthrough. The steps in the creative process get lost in the creative process.

Fifth: There is enough money in the Mary Alice Hutchins Scholarship Fund with the Architectural Foundation of Oregon to fund two more scholarships of \$1000 this year. One to be given to a woman interested in Architectural Design and one to be given to a woman interested in Construction Aspect of Architecture.

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the MINUTES

Portland Chapter, CSI
Board of Directors Meeting
April 1, 2003

CALL TO ORDER: The meeting was called to order at 12:09 by President Jim Wilson at the Portland Chapter AIA Conference Room.

PRESENT: Jim Wilson, Joe Bolkovatz, Carolyn Miller, Michael Wilson, Denise Carpenter, Scott Dicker, Robert Schroeder, Doug Allen, Cherie McNabb, Jody Moore, Jane Phifer

ABSENT: None

ALSO PRESENT: Lee Kilbourn

1. TASK TEAM REPORTS

- Jim asked for an update on the transition of the executive director. Jane stated all is going well. Jane and John Lape are going to work on Jane taking over the financials in the next couple months.
- CSI material has been moved to John Lape's office from Inge's. Jim Wilson asked Denise Carpenter to handle the timeline to get the info moved from Margie's office by May 5th to John Lape's office so the information can be sorted through and discarded or refiled by June 30th.

2. COMMITTEE REPORTS

- Newsletter: The board asked Jane to assemble some information for the May BOD meeting regarding other organization newsletters and options for an e-version of our newsletter.
- Advertising: Susan Fitzsimons Company does advertising for the web, 46 chapters already do this. There will be more information brought to the May meeting.
- Directory: The people who have been doing the NW Region directory for the last several years will no longer be creating this. We are in discussion with McGraw-Hill, which will produce a more 'upscale' directory. They will also be soliciting advertising from the membership.
- Program: We got a reduction in the last AV bill and have come to an agreement with the AV provider for future services. April's dinner meeting will be a panel presentation on the Rainscreen design. Cherie will preside for Jim Wilson at the dinner meeting as he will be at the CSI National Convention.
- The 'Thank you' luncheon for Inge Carstanjen is scheduled for May 22nd. Denise Carpenter will chair the Task Team for this event, with many Board Members assisting. *The Predicator* deadline is April 14. Jim will be seeking sponsors for the event.

- Products and Services Fair: We have 95 booths sold, shooting for 150. Last year we sold 115. It was suggested that we call a few of the people that signed up last year that have not registered for this year. Our keynote speaker will be Jay Brand from Haworth, Inc. his topic is going to be "creativity." The cost is free to CSI, we are underwriting to cover additional costs. In exchange for Haworth bringing in the speaker we will make a donation to IIDA. We have 3 educational seminars scheduled.
- Elections: Ballot is in *The Predicator*, Ray Totten is interested in the BOD position. We are continuing the search for a qualified Treasurer.
- Questionnaire: Question was asked where do we stand with the questionnaire? It was suggested and decided that we will send it out in a separate mailing and follow-up with a mass e-mail. Jim to e-mail to Jane and Carolyn, they will get the questionnaire ready for mailing.

3. FINANCIAL REPORT

- Cherie gave Jane all the updated payments for the Products Fair. Jim commented on the differences between this year and next year's budget and suggested that the BOD carefully review the new budget and send any comments to John. Joe suggested that Strategic planning should be a line item on the budget. Joe to let John know we want this added.

BOD MINUTES

A motion was made and passed to accept the March meeting minutes and special meeting minutes as amended.

Meeting adjourned 1:22 next meeting scheduled for May 6, 2003.

Drafted by Jane Phifer

Revised by Doug Allen

THE PREDICATOR is the monthly newsletter of the Portland Chapter of The Construction Specifications Institute. Inclusion of articles and announcements does not necessarily imply endorsement by CSI or the Portland Chapter. Opinions expressed in the by-lined articles are the authors and do not necessarily represent the view of CSI, the Northwest Region, the Portland Chapter or the newsletter staff.

Material for publication should be E-Mailed to kuykendall@ccwebster.net or submitted on 3.5" diskettes in Word for IBM or MAC. For more information, call the Editor, Dianne Kuykendall, Kuykendall Marketing Services, (503) 631-3782 and FAX (503) 631-3785. Address changes to Lee Kilbourn (503) 417-4400.

PORTLAND CHAPTER Advertising Opportunities

BUSINESS CARD ADS: Only \$75 per issue or even better \$500 for the year (11 issues).

INSERTS: Member Price - \$250 (Non-Members \$300 or join and \$50 will be deducted from your membership fee.) Inserts must be 8 1/2" x 11" flat single sheet (can be printed on both sides.) All advertisements must be approved by the Editor.

THE PREDICATOR STAFF

Editor: Dianne Kuykendall,
Kuykendall Marketing Services
Printer: Echo Printing

the CONTACTS

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Finance	John Lape, FCSI, CCS, AIA.....503-243-2837
Golf Tournament — Co-Chairs	John Armstrong, CSI.....503-579-2477 Erica Bitterman, CSI.....503-274-2030

Library	Perky Kilbourn, CSI.....503-244-1778
Membership — Co-Chairs	Lec Kilbourn, FCSI, CCS, FAIA.....503-417-4400 Pat Murphy, CSI.....503-285-4557
Nominations	Jody Moore, CSI, CDT.....503-284-6799
Operations Guide	Ken Searl, FCSI, CCS.....503-362-3472
Orientation	Michael Muhle, CSI, CDT.....503-284-6799
Planning	Curt Austin, CSI, CCPR.....503-238-1253
Product Rep Share Group	Randy Tessman, CSI.....503-318-8046
Products and Services Fair — Co-Chairs	Cornelia Gibson, CSI, CDT (Attendees).....503-624-7444 Cherie McNabb, CSI, CDT (Vendors).....360-600-8444
Programs — Co-Chairs	Jody Moore, CSI, CDT.....503-284-6799 Scott Dicker, CSI, CDT.....503-639-7045
Publicity	Dianne Kuykendall, CSI.....503-631-3782
Specifiers Share Group & Technical	Michael Madias, CSI, CCS.....503-224-6767 David Shelman, CSI, CCS.....503-227-1254
Student Affairs — Co-Chairs	Randy Tessman, CSI.....503-318-8046 Igo Jurgens, CSI, AIA.....503-223-0992
Student Affiliate	Rudy Barton.....503-725-3339
Webmaster	Rick Heiserman, CSI, CDT, AIA.....503-892-1321

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2000-2002	Bob Kenworthy, CSI, CCS, CCCA Tel: 253-931-4826 fax: 253-804-4502 e-mail: bkenworthy@mx.auburn.wednet.edu Auburn School District #408 915 4th Street NE Auburn, WA 98002-4499
2001-2003	Jeff Callahan, CSI, CCCA Tel: 907-786-6425 fax: 907-786-6444 e-mail: afjcc1@uaa.alaska.edu University of Alaska Anchorage PO Box 104882 Anchorage, AK 99510

Region Website
www.csinwt.org

REGION COMMITTEES

Academic Affairs	Ed Storer, CSI, CCS.....206-223-5052
Archives	Bob Hesseltine, CSI, CCS.....503-765-0374
Awards — Co-Chairs	Gerald McDonnell, CSI.....541-344-9157 Karen Morris, CSI, CDT.....208-343-3620
Certification	Sherry Harbaugh, CSI, CCS.....509-456-6525
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Membership	Lec Kilbourn, FCSI, CCS, FAIA.....503-417-4400
Newsletter/Website Editor	Inge Carstanjen, CSI, CDT.....503-297-2162
Newsletter Publisher	Sheila Kenworthy.....253-565-1797
Region Conference Direction Committee	Art Nordling, FCSI, CCS.....509-838-8681
Region Operating Guide	Ken Searl, FCSI, CCS.....503-362-3472
Region Trustee	Larry Barger, CSI, CCS.....360-943-4650
Strategic Planning Task Team	Igo Jurgens, CSI, AIA.....503-223-0992
Technical	Jim Adkins, CSI, CCS.....206-634-0570
Webmaster	Rand New, CSI, CDT.....541-688-5594

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)	Dan Graham, CSI, CDT.....907-261-9203
Puget Sound, Seattle, WA (Second Thursday)	Andrew Estep, CSI.....206-382-3393
Mt. Rainier, Tacoma, WA (First Thursday)	Perry White, CSI, CDT.....1-800-344-8042
Spokane, WA (Second Thursday)	Mark Elliott, CSI, CDT.....509-624-4281
Portland, OR (Second Tuesday)	Jim Wilson, CSI, CCS.....503-222-1917
Capital, Salem, OR (Third Thursday)	LaVone Clausen, CSI.....503-371-2070
Willamette Valley, Eugene, OR (Last Thursday)	Rodd Hansen.....541-687-9600
Idaho, Boise, ID (First Tuesday)	Jon Farren, PE, CSI, CDT.....208-429-1309

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THE PREDICATOR

315 SW 4th Avenue
Portland, OR 97204-2342

Address Service Requested

June 2003

ROBERT R. KLAS CSI
STOA INT'L - EKA
6775 SW 111TH AVENUE SUITE 20
BEAVERTON, OR 97008



Name: _____

Company: _____

Telephone: _____ Fax: _____

Guest(s): _____

Payment Method: Check Visa MasterCard

Amount: _____
(\$30 per person — Sponsor a table for 8 only \$220)

Student: _____ (No Charge)

Cardholder Name: _____

Cardholder Address: _____
(complete billing address, including zip code required)

Card Number: _____ Expires: _____

Authorized Signature: _____

A Walk in the Pearl Tuesday, June 10, 2003



Event Location — Princeton Building, 614 SW 11th Avenue

Event Timing

- 4:30pm Meet at Jamison Park - and get your Guide & Map
- 4:35pm Self-Guided Walking Tour of The Pearl
- 5:45pm Meet Your Colleagues at the Princeton
- 6:45pm Dinner, Catered by Jake's
- 7:30pm Presentation

Cost — \$30 per person - Sponsor a table for 8 for just \$220

Rain or shine the tour is on, so bring an umbrella if needed.

Parking and Getting to the Jamison Square at NW 10th & Johnson. We recommend you park by the Princeton Building and take the **Portland Streetcar** that can be picked up every 15 minutes on 10th and Alder at the Galleria and will take approximately 10 minutes to get to the Jamison Square stop where we will start the self-guided walking tour.

**Fax your reservation no later than
June 6, 2003 by 5:00pm to 1-503-587-0337 (Salem).**

Checks should be mailed to: CSI, PO Box 5116,
Salem, OR 97304.

If you have a question, call the CSI Portland
Chapter office at 503-805-2500 (Portland number).

