



Knowledge for Creating
and Sustaining
the Built Environment



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Portland Chapter - The Construction Specifications Institute

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



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TOUR OF HISTORIC PORTLAND ARMORY

Tuesday, September 12, 2006



The Portland Chapter of CSI is very excited to start off our 2006 – 2007 program season with a tour of the Bob and Diana Gerding Theater in the historic Portland Armory.

For the last 16 years, Portland Center Stage has been a tenant and resident company in the Portland Center for the Performing Arts' New Theater Building. It's a beautiful, well-equipped facility—and yet inappropriate to meet the needs of today's regional theater.

With the *Center Stage in the Pearl Campaign*, Portland Center Stage embarked on an exciting project that transformed the historic Portland Armory building, constructed more than 100 years ago, into a wonderful new 21st century state-of-the-art performance hall. It is also a pioneering example of sustainable

“green building” design as their goal is to accomplish the first historic rehabilitation in the world to achieve a LEED Leadership in Energy and Environmental Design Platinum rating.

GBD Architects, working with nationally renowned theater consultants, Landry & Bogan, designers of the Angus Bowmer Theater in Ashland, Oregon and the Seattle Children's Theater, have created a space that includes:

- A 599-seat theater that will be the company's Main Stage, plus a 200-seat “black box” theater that will serve as a Second Stage;
- A rehearsal hall that can also provide space for workshops, lectures, and events;
- Spaces for the costume shop, artists' dressing rooms, administrative offices, and ticket office;
- A friendly lobby that will be open and inviting to the neighborhood, theater patrons and visitors, and will include interactive elements that tell the story of the building's history and sustainable design.

The Bob and Diana Gerding Theater in the historic Portland Armory brings Portland a state-of-the-art performance facility. It also provides a model, unique in the world, for integrating “green building” design into a historic rehabilitation, helping to confirm Portland's reputation for innovation. To read more on the Portland Armory project go to www.pcs.org

Please join us **Tuesday, September 12, 2006 at 4:30 to tour this facility.** Representatives from Hoffman Construction, GBD Architects, Glumac International, DeaMor Skylights, KPFF Structural Engineers, Hanset Stainless and Portland Center Stage will be “tour stops” describing the design elements and construction processes. **Meet us at 128 NW 11th Avenue in the front of the building at 4:30.** *Dinner following the tour will be at The Paragon restaurant just a couple blocks from the project site. Tour & Dinner will be \$45.00.*

Two tickets to the Portland Center Stage first theatrical production, “Westside Story” will be given away (compliments of Ford Graphics).

Thanks to the following sponsors: Hanset Stainless & Hoffman Construction
Assure your spot for this special event! See enclosed Event Reservation Form

PRESIDENT'S MESSAGE

By Doug Allen, CSI



Greetings, Portland Chapter CSI!

First I want to thank you for the opportunity to serve as your president for the year. Following in Mr. Latham and his predecessors' shoes will be difficult. They have all set the bar high. However, with the help of so many hard working volunteers, a great Board of Directors, and so many experienced mentors guiding

us, I am confident we can continue our chapter's successful trend toward a year of growth, education, exciting events, and a lot of fun times.

So let's get to it, because you are in for a real treat! Our dedicated committees have been hard at work throughout the summer preparing for the coming year. There will be numerous opportunities to promote our products and services, for networking, continuing education, and service to the industry.

As you are aware the Portland Chapter CSI is hosting "CSI TO THE MAX" welcoming the NW Region Conference here in Portland, Oregon. Mark your calendars for October 5th through the 8th. There are way too many activities planned to mention here. Check out all the incredible opportunities at <http://www.portlandcsi.org/conference.html>. Our local members will have an unusual opportunity for networking at the conference. Plan ahead and make the most of this rare occasion by making a call to a friend, colleague, or client and inviting them to participate at an event with you. There are still a few sponsorship and volunteer opportunities available. Please contact Russ Pitkin for details or to offer assistance.

Our amazing Programs Committee will continue to dazzle us with great dinner meetings this year. Our calendar is nearly complete for the year. So continue to look forward to the second Tuesday of each month as your CSI night out. You won't regret it! The group is always looking for additional committee members for ideas and assistance in putting together the details of the meeting. Participation on this committee offers incredible networking opportunities; Kaye would love to hear from you.

Thank you to Cherie and Tom McNabb for hosting our Annual Summer Planning session at their beautiful home. The session was productive thanks to a very relaxing friendly atmosphere. There were a lot of great ideas which we narrowed down to three or four goals on which to focus for the year. It was incredible to have so many people together with such a passion for the organization. Cherie and Jane organized a great lunch and barbeque dinner for those that wanted to hang around for socializing and a very competitive pickle-ball match.

Our Website and Publications committee are working together for a more cooperative consistent presentation to membership and the industry. Migration to electronic distribution of The Predator has been well received. It has given us more flexibility and most importantly cost containment through the recent increase in nearly all goods and services. Hopefully we have spared a tree and

saved everyone time looking for the newsletter. It is always in the same place now. Corey and Jane have already made quite a few improvements to the website over the past year and there are more to come. You can see their work at <http://www.portlandcsi.org>. There are already advertising opportunities available now, and hopefully more to come with some great ideas Cherie McNabb is working on. The website use will grow to be an important tool for our members and a construction community resource. Contact Corey or Jane with ideas or to assist.

The Certification Committee has some exciting things going on. They are working on organizing classes and study groups for certification beyond CDT. If you have ideas or would like to help they are recruiting instructors and committee members to assist with class supervision and organization. Contact Christine Steel for more information.

The CSI Portland Products and Services Fair had their wrap up session this summer to evaluate the 2006 fair for possible improvements next year. A major change for the committee is its leadership. After many years of providing us with very successful shows, Cherie and Cornelia have asked someone else to step in. Fortunately, we have two experienced organizers, Fred Larson and Brian Setness who will now co-chair the committee. The committee is already creating some exciting ideas for the 2007 show! Don't hesitate to contact Brian or Fred with ideas or to volunteer. There will be a lot to do over the coming months.

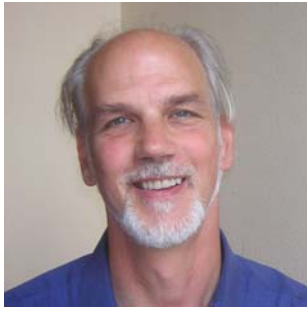
Membership in itself is incredible. The CSI Portland Chapter is one of the largest in the country thanks to Lee and Pat's efforts as co-chairs of the membership committee. They recently organized a very successful meeting with Ankrom Moisan to encourage growth and participation in the chapter. If you are interested in helping pay for your membership dues by sponsoring a new member, contact Lee or Pat for information.

An Integration meeting was organized by Zachary Suchara, president elect for Illuminating Engineering Society Oregon to evaluate the possibilities of the local societies coordinating efforts and information. The first meeting was attended by Zachary Suchara; Douglas Benson of American Institute of Architects, Portland; Emma Gordon of American Society of Heating, Refrigerating and Air-conditioning Engineers, Portland; Rob Kistler of Building Enclosure Council, Portland; and Doug Allen of Construction Specifications Institute, Portland. The group had a great discussion on possibilities and will continue to meet throughout the year. The first goal is to have a common calendar up and linkable for each society by September 15th.

As you can see, there are plenty of things going on. It has been said, "CSI is not a Spectator Sport." You will get the most out of your membership by selecting a committee and volunteering. There is a quite diverse list of opportunities in addition to those I have mentioned. In the back of The Predator there is a full list of committees. This is a relationship industry. Information is requested and transferred between professionals and industry members every day. Start building on your relationships now the easy way. Get involved.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Fred Herbold, CSI, CCS



Exterior Wood Stains

In June Randy Tessman, CSI CDT, architectural representative for Benjamin Moore Paints, presented his seminar about exterior stains for wood to the Specifier's Share Group. This is a summary of the very useful information Randy gave us.

Stain versus Paint

When a stain is selected for wood finish, rather than paint, usually there is a desire to expose the grain or texture of the wood. Stains are formulated to do this by penetrating the wood, leaving various amounts of material on the surface that modify the surface appearance. Stains are normally applied in one coat, without a primer.

Paints are intended to form a film on the surface of wood. They are applied with a primer (which seals the wood) and one or two top coats. Paints will hide the texture of all but heavily textured wood.

Stains require more maintenance, restaining more often, than paints.

Stain Resins

Natural Oils: linseed oil, tung oil and soya oil.

Synthetic Oils and Resins: Alkyds, Polyurethane, Silicone.

Waterborne Resins: Acrylic, Modified acrylic, latex.

Types of Stain

Clear Water Repellent: These products are designed to penetrate into the wood without significantly changing its appearance. They usually contain paraffin and mineral spirits. Many also contain mildewcides and insecticides for added protection of wood. Their expected life is between 6 months and 2 years.

Toned Water Repellent: Pigments are added to water repellents to modify or stabilize the color of wood. The pigments increase durability by adding UV protection. Their expected life is 1 to 3 years.

Semi-Transparent Stain: This type has a resin base and pigments and is penetrating. Best performers are based on oil; waterborne semi-transparent stains do not penetrate well. Semi-transparent allow the wood grain to show through, and they can be custom tinted. One should anticipate reapplying semi-transparent stain in 1 to 3 years.

Semi-Solid Stain: With more body and more pigment than semi-transparent stains, semi-solids still allow wood texture to show through. They provide more UV protection and can be machine tinted. They can be applied over semi-transparent stain with stripping. Their life expectancy is 2 to 4 years.

Solid Color Stain: Wood texture shows through solid color stains, but any color variation will be hidden. With the greatest amount of pigment of all, solid color stains provide the greatest UV protection and have the greatest durability, 5 to 10 years. Best performers of this type are pure acrylics.

Hardwood Stain: Special stains formulated to preserve the color or prevent graying of teak, mahogany and ipe are of this type.

Applying Stains – Helpful Hints

Usually specifications will rely on “follow manufacturer’s instructions” or “comply with quality standard” for application of paints and stains. Even so, specific precautions may be called for.

New Wood: Remove mildew with a solution of diluted sodium hypochlorite or sodium metasilicate. Remove rust and tannin stains with solution of oxalic acid and citric acid. Bleed wood may require a primer. Preserved wood should be specified kiln dried after treatment.

Weathered Wood: Forest Products Laboratory no longer recommends pre-weathering wood before treatment (staining). Treat weathered wood same as for mildew.

Application: Work from top down; stain in direction of grain; work down on shingles, work side to side 3 to 5 horizontal siding boards at a time. Stain building elements in the following order: Eaves – Fascia – Body – Trim – Doors.

Specifiers Note

MPI: Those of us who rely greatly on Master Painters Institute for our specifications must be careful when specifying semi-solid and water repellants for wood. I find that MPI includes semi-transparent stain and solid color stain, but not other types. One should clearly indicate this exception to the quality standard if it is MPI.

Many thanks to Randy and our other presenters at the Specifiers' Share Group. It's been a great year. I hope you all are having a fine summer. We're looking forward to another interesting and educational year with the Share Group.

PERKY'S NOTES

By: Perky Kilbourn, CSI



Note #1 - Sigma XI was founded in 1886 as an honor society for scientists and engineers. A letter from the national president, James F. Baur, was published in the July/August 2006 issue of *American Scientist*. The letter had some suggestions which I thought might apply to Portland Chapter CSI.

President's Advisory Council

The President's Advisory Council is made up of the elected officers plus committee chairs and any active or retired member or enthusiastic nonmember able to attend *program-planning sessions*. At these *program planning sessions* advice and opinions are solicited with the strict promise that no one will be coerced into unwanted obligations. This sounds like the "2006/2007 Planning Session" of Portland Chapter CSI – please see my report elsewhere in this issue of *The Predicator*. It sounds like Baur is suggesting that these *program planning sessions* happen more than once a year.

Office terms – not one year! - suggesting the practice of electing a president every two years and encouraging multiple reelections. After a year of "learning the ropes," the second and subsequent years are manageable and even fun. Treasurers and secretaries should be encouraged to be elected for an indefinite term, with four to eight years as a fruitful service period.

Past presidents' insight – Gather all past chapter presidents every four years or so for a relaxing lunch and efficiently orchestrated discussion of past successes and failures with the idea of providing considered and tested advice to present officers. Maybe this could be a chapter meeting with the past presidents being a panel who would accept questions from the members.

Retired members are productive members – Ask people who are recently and not-so-recently retired members to take positions of influence and leadership in a chapter.

Critical mass – say 40 – Baur suggests that around 40 is the critical mass for a viable and vital chapter. The active membership of Portland Chapter CSI is probably 40.

Discover 40 and 50 year members – Forty and 50 year members of Portland Chapter CSI are honored when get their chevron denoting years of membership. Ask these members to give a four minute response to the chevron presentation by describing their career triumphs.

Involve the host – This is sort of what CSI does with the Industry members by asking them to have table top displays at meetings and the Products Fair.

Note #2 - The July, 2006 issue of *The Scientist* had an interesting article entitled "Living Batteries" by Jack Lucentini. Over 40 years ago, I had a student who was working with me on making Microbial Fuel Cells using microorganisms to generate an electric current. We were not successful enough to publish our results but it seems others have been working on the same idea. Specifically some bacteria are able to extract electrons from an organic fuel such as carbohydrates, proteins, or raw sewage, and then deliver the electrons to an electrical circuit.

In 1999 Byung Hong Kim at the Korea institute of Science and Technology in Seoul showed that an iron-reducing bacterium recently discovered in a rice paddy, *Shewanella oneidensis*, could pass electrons to an anode on its own, possibly through direct contact. The bacterium apparently evolved this ability because its natural electron acceptor, FE(III) is insoluble in its habitat.

Other reports have been published on an array of metal reducing bacteria which could perform similar feats. The most successful Bacterial Fuel Cell is the Benthic Unattended Generator or BUG. Clare Reimers of Oregon State University and Leonard M. Tender at the Naval Research Laboratory created fuel cells which generate about one watt of electricity which is enough to power small scientific instruments such as temperature or pressure gauges.

The highest power output which has been reported for an experimental, sewage fueled fuel cells is 464 milliWatts per square meter of anode surface. That is about half number of one watt per square meter, which researchers estimate would constitute economic viability

In concluding, scientists are selecting for bacteria which can delivered electrons to the anode of the microbial fuel cell more efficiently. Unfortunately, there is still a lack of understanding of how to optimize the microbial fuel cells. Many scientists feel that they will be able to make a commercially viable microbial fuel cell some time in the future.

NW REGION CONFERENCE

Sponsorship: The above warning went out earlier to potential sponsors and now there are some disappointed product representatives who were not able to get the sponsorship opportunity they were planning on because they waited too long. We are, however, talking to the hotel about additional space opportunities for more Hawthorne Bridge “Table Top Display” Packages. If you are one of those disappointed by the Hawthorne Bridge selling out, please stay tuned, and call Jane to get on a waiting list just in case we can work out more space with the hotel. If space becomes available, we will accommodate those in the order we receive your request.

There are still a limited number of sponsorships remaining for the Morrison, Broadway and Burnside Packages. Those sponsors who love to golf will be happy to hear that there are still opportunities to sponsor the golf tournament through purchase of a Broadway Bridge Package.

Wine Tour: The tour will be on the morning of October 5th, from 9:00 am to approximately 4:30 pm with a catered lunch provided.

Although grapes were not indigenous to the Pacific Northwest, the earliest plantings date back as far as 1847. The real beginnings of Oregon’s wine industry go back to the early 1960’s. A few individuals, who came from a variety of backgrounds, shared a common vision and passion for planting vineyards and creating Burgundy style wines. Oregon was put on the map in 1979, when David Lett (founder of Eyrie Vineyards) won third place in the international pinot noir competition, competing with Burgundy’s best. Today, Oregon is home to around 300 wineries, with seventy percent located in the Willamette Valley.

The best way to truly experience and enjoy Oregon wines is to visit the source. While there are many from which to choose, the following sites were chosen as a sampling of both wine styles (from sparkling wines to Bordeaux style reds) and architectural design and character.

Rex Hill Winery (<http://www.rexhill.com>)

Argyle: (<http://www.argylewinery.com>)

Maresh Red Barn: (<http://www.vineyardretreat.com>)

Stoller Vineyards: (<http://www.stollervineyards.com>)

Cuneo Cellars: (<http://www.cuneocellars.com>)

More information can be found on the NW Region Website at www.csinwr.com.

Conference Program: The conference will begin on Friday, October 6th, at 8:00am, right after a continental breakfast. The conference theme of transportation, and more specifically “The Importance of Transportation to Development” will start out with 3 keynote speakers from TriMet (public transit), Portland Development Commission, and the Port of Portland. Each of the speakers will address the importance of transportation in the development projects these agencies are currently involved with.

After the keynotes the learning sessions, all three tracks, will begin. Two of the tracks will provide continuing education with a “green” element such as energy, air quality environmental strategies, building envelope, green office practices and greening your specifications. The other learning track will address personal development with topics like time management, bringing out the best in people, and different areas of leadership. Every hour and fifteen minutes will begin a new series of sessions with breaks and lunch in between. The lunch speaker on Friday, Lisa Davidson will address “Effective Listening.” Lisa will help audience discover their own listening strengths and weaknesses and ways to become a better listener. The learning sessions will end around 4:15 and the products fair will run from 5:30 until 7:00 with beer and wine tasting during the products fair. Then dinner followed by CSI Jeopardy and then the hospitality suite until midnight.

Saturday at 8:00, after breakfast, the conference continues, beginning with 2 speakers involved with The Portland Aerial Tram Project, Portland’s newest mode of transportation. Then the learning sessions continue through the morning up until lunch when our lunch speaker, Andy Frichtl, of Interface Engineering will give a presentation on a South Waterfront OHSU high-rise LEED Platinum Building which will be the tour. The tour will also be adjacent to the base of the tram. The rest of the afternoon will be yours to wonder around Portland with your transit passes until 6:00 when the social prior to dinner begins. Dinner is at 6:30 with entertainment after and the hospitality suite following. More detailed information on the learning sessions with speaker bios and session abstracts is available online at the Northwest Region Website.

(continued on pg 6)

CSI PLANNING SESSION

The following people attended the 2006/2007 Planning Session of Portland Chapter CSI.

Jane Phifer, Doug Allen, Cherie McNabb, Lee Kilbourn, Steve Gray, Russ Pitkin, Kaye Kloster, Christine Steel, Dennet Lathan, Corey Morris, Brian Setness, Skip Brown, Bud Henson, Erica Ryon, Tom Coffey, Fred Herbold and Perky Kilbourn

Here is a brief summary of the various topics and the plans for implementing Portland CSI Chapter's strategic long-range plan which were made.

Communications - develop the website, publicize Certification Programs and other activities and appoint a person or committee as contact.

Public Relations - which of course is communication of activities to membership and the community. It was stressed that this public relations effort should have a professional "consistent" look. It might be useful to have our archives in a permanent office where answers could be obtained, when questions of - what worked before? -are asked.

Membership - continue to promote to both potential professional, industry, associate and student members. The goal is a net increase of five percent with student members at PCC, Marylhurst, Portland Art Institute and others.

Programs - September through February have been finalized but March and April are still undetermined. The conclusion seemed to be to design programs that will encourage more active members. It was found that printing a yearly calendar seemed to help. It also was a good idea to have sponsors for each meeting which reinforce the program.

There are 25 sponsorships left for the Region Conference. There are still opportunities for sponsorship of the golf tournament, which will be held at Eastmoreland with a cost increase from \$70 to \$80.

The **Certification** program was discussed. There could be a power point consolidation of presentations. We plan for an increase of 20 or more students. There should be study groups held by certified members and to do this there need to be more certification committee members.

Education is another outreach program. The Chapter could survey what firms want, target general contractors and product reps representatives.

In conclusion – Were you at the Planning Session of Portland Chapter CSI?

- Do you remember what you agreed to do?

NW REGION CONFERENCE

(Continued from pg 5)

The CSI Portland Chapter's 2006 CSI NW Region Conference Planning Committee has been working extremely hard over the last year and a half to organize not only the conference but also to put together addition fun pre-conference activities to provide alternate opportunities from the typical golf tournament. That's not to say that the golf tournament will be less exciting, because it too will be in a beautiful venue at the Eastmoreland Golf Course just minutes away from the Doubletree Hotel.

Registration: Last month, if you read the article, it focused on these pre-conference activities giving a little more detail than was available on the conference registration form provided on line. Soon you should be receiving a mailed version of this registration form. This can be mailed back or if you prefer, you may still fax your form to Jane as indicated at the bottom of the registration form. A change in the Shanghai Tunnel Tour facilitated by the tour timing, is that lunch was added to the package and the price increased to cover that expense. So now the golf tournament, wine tour and tunnel tour all have lunch included as part of their packages.

A note to those outside the Portland Chapter who plan on attending this year's conference: due to the timing of this conference, occurring near the time of the Portland Chapter's regularly scheduled monthly meeting, the monthly meeting has been cancelled so Portland Chapter Members may take advantage of the opportunity to attend the in town conference. This will, more than likely, result in a higher than usual conference attendance as confirmed by a good number of registration forms coming in earlier than anticipated. What this means is that demand could exceed our capacity. Please be aware that the capacity of the facility at the Doubletree Hotel for this conference will be the limiting factor, so if you are planning on registering for the full conference, you will be given priority over those signing up for singular conference activities delineated on the registration form. However we will still be limited to the capacity the facility will accommodate. In other words, if you plan to attend, sign up as soon as possible.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI.....360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA.....503-245-7100
Ankrom Moisan Associated Architects

Immediate Past President

Dennet Latham, RA, CSI, CCS.....503-872-4539
CH2MHill IDC

Secretary

Erica Bitterman-Ryon, CSI.....360-567-2910
Precision Images

Treasurer

Kaye Kloster, CSI.....503-227-3424
Ford Graphics

Executive Director

Jane Phifer, CSI.....503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

Corey Morris, CSI,503-224-4848
Clark/Kjos

Director, Professional 2006-2008

Skip Brown, CSI, CCS.....503-827-0505
WPH Architecture

Director, Industry 2006-2008

Bud Henson, CSI,360-600-0804
Custom Window Company

Directory, Industry 2006-2008

Mark Reeves, CSI503-283-8822
Hanset Stainless

Director, Professional 2006-2008

Fred Herbold, CSI..... 503-445-7389
SERA Architects

Director, Industry 2006-2008

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI..... 503-720-3005

By-Laws

Ken Searl, FCSI, CCS.....503-362-3472

Certification

Christine Steel, CSI, CCS .. 503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI.....503-805-2500

Education

Steven Gray, CSI, CDT.....360-233-6016

Continuing Education

Skip Brown, CSI, CCS.....503-827-0505

Golf Tournament

Erica Bitterman- Ryon, CSI..... 360-567-2910

Library

Perky Kilbourn, CSI.....503-244-1778

Membership - Co-Chairs

Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400
 Pat Murphy, CSI, CDT.....503-240-3955

Operations Guide

Ken Searl, FCSI, CCS.....503-362-3472

Orientation

Michael Muhle, CSI, CDT.....503-284-6799

Products & Services Fair - Co-Chairs

Brian Setness, CSI, LEED.....503-255-0190
 Ed Macsisak, CSI,503-924-4106

Programs - Co-Chairs

Kaye Kloster, CSI503-227-3424

Publicity

Jane Phifer, CSI.....503-805-2500

Specifiers Share Group & Technical

Fred Herbold, CSI, CCS.....503-445-7389
 Isaac Tevet, CSI, AIA.....503-245-7100

Student Affiliate

Rudy Barton.....503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA
 Ph: 541-485-1700 Fax: 541-683-7722
 Email: tsdeines@ix.netcom.com
 Wildish Standard Paving
 PO Box 7428
 Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS
 Zimmer Gunsul Frasca Partnership
 Ph: 206-521-3506 fax: 206-623-7868
 awhitakacre@zgf.com
 925 4th Ave. #2400
 Seattle, WA 98104

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA.....541-485-3970

Awards

Christine Irwin, CSI, CDT.....503-650-0148

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

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

Electronic Communications

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

Membership

Robert Simmons, BS,CSI,CDT.....253-946-2436

Planning

Anne Whitacre, FCSI, CCS.....206-521-3506

Publications

Bob Kenworthy, FCSI, CCS, CCCA..53-931-4826

Technical

Marc Chavez, RA, CSI, CCS.....206-245-2100

Treasurer & Secretary

Larry Barger, CSI, CCS360-943-4650

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)
 Dan Graham, CSI, CDT.....907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)
 Dave Walter, CSI.....425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)
 Jeff Herrmann, CSI,CDT.....253-756-8191

Spokane, WA (Second Thursday)
 Jim Devaney, CSI..... 509- 953-1719

Portland, OR (Second Tuesday)
 Jane Phifer, CSI.....503-805-2500

Capital, Salem, OR (Third Thursday)
 Chris Veit, CSI, CCS.....503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)
 Doug Mullican, CSI, CCCA.....541-687-9451

Idaho, Boise, ID (First Tuesday)
 Steven Turney, CSI, CDT.....208-345-8872

Big Sky, MT
 Jan O'Brien, CSI.....406-245-6363

September 2006

Sun Mon Tue Wed Thu Fri Sat

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 9/5 CSI Board Meeting, *Noon, AIA Office*
- 9/12 **CSI Chapter Meeting, *Portland Armory tour & dinner***
- 9/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 9/25 CSI Membership meeting, *Noon*
- 9/29 CSI Specifiers Share Group Meeting, *Noon, ZGF*

October 2006

Sun Mon Tue Wed Thu Fri Sat

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 10/3 CSI Board Meeting, *Noon, AIA Office*
- 10/5-10/7 **CSI NW Region Conference**
- 10/10 No CSI Chapter Meeting - join us at the NW Region Conference**
- 10/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 10/9 CSI Membership Committee Meeting, *Noon, Russell Street BBQ*
- 10/26 CSI Specifiers Share Group Meeting, *Noon, ZGF*

Don't miss our November 14th meeting at the Princeton Ballroom
 11/14 CSI Chapter Meeting - *Projects that would have changed the Portland skyline.*



Knowledge for Creating and Sustaining the Built Environment

Volume 46, Issue # 2

October 2006

Portland Chapter - The Construction Specifications Institute

NW REGION CONFERENCE

October 5 - 8, 2006, Portland, Oregon

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



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NOTE: There will be NO October Chapter meeting.

Come see us on Nov 14, 2006 when we will discuss

Projects that Would have Changed Portland's Skyline at the Princeton Ballroom.



Very soon now, daylight will slowly begin to peek over the eastern horizon silhouetting Mt. Hood in the distance as light gradually intensifies welcoming in the crisp October morning that will begin the first day of the 2006 CSI NW Region Conference.

The conference theme is Transportation as we take "CSI to the MAX" with the help of

TriMet, one of our major conference sponsors, who is providing transit passes to come and go, and travel anywhere TriMet goes during the conference.

- The bio-reactor treats garbage on site and is only the second such installation in the US.
Photovoltaics installed on the sunshades generate electricity while controlling the natural light that pours into the building.
A solar trombe wall works with the displaced air system with fin tubes to control the interior environment.
The Salt Pure system keeps the pool clean with naturally produced chlorine from salt.
Garden terraces provide an outdoor respite for patients and their families
The atrium welcomes everyone with 66 custom hand-blown globes with a fiber optics display.

Saturday's lunch speaker, Interface Engineering's Andy Frichtl, will explain how to attain "Platinum on a Budget" through application of proven integrated design principles for your next green building project, while achieving high-performance results on a conventional budget as he did at the OHSU River Campus.

This year's conference also boasts more learning sessions than ever before, providing greater variety for attendees, with three separate learning tracks. A whole year of continuing education credits for Oregon licensure may be obtain in just one weekend's (Friday and Saturday's) learning sessions, including the hard to get Health Safety and Welfare credits.

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Apologies: In my column last month I miss specified one of our dedicated co-chairs for the Portland Products and Services Fair. To assist with the event or find out more information on this year's fair, please contact Ed Maccisak in lieu of Fred Larson. Sorry for my confusion.

Opportunity: Don't forget! In place of this month's October

dinner meeting we have the spectacular NW Region Conference right here in beautiful Portland, Oregon. In one month, members will have the good fortune of two dinner opportunities, lunches, breakfasts, and of course the exciting Hospitality Suite to come out and socialize with friends at CSI! Imagine the networking possibilities. Professional and Industry members from all over the region will be in attendance, providing another element of "Efficiency in Transportation" for all who attend. This is a unique opportunity to spend two or three relaxing days with a variety of clients and colleagues. This only happens once a year, and only once every six or seven years is it in our own backyard!

The conference isn't intimidating. Everyone is very friendly and looking for information and solutions. The continuing education opportunities offered could complete your needs for the year in just a couple days.

Formulate your plan of action and get in contact with Jane for conference registration or to sign up for dinner-only events.

Deadlines: Registration for the March 31, 2007 National Certification Exams is open. Don't miss the discounted early registration deadline of December 1, 2006. The final registration enrollment date is January 31, 2007. Schedules for invaluable Chapter-offered training classes will be announced soon.

Summer Activity: The age old back to school question: what did you do this summer? My weekends and spare time have been devoted to a little construction project at home. As you may know, I have horses. The horses are much more useful if they have shelter during the winter months. Getting a muddy wet horse ready for an hour long ride, turns out to be at least an hour of clean up before you want to begin thinking about putting your tack on them. So my beautiful bride Judy and I are in the process of providing that shelter by constructing a pole barn. We did this before at our last home, so no big deal, right? We had a pretty good idea of what we were getting into. But, of course, this one must be bigger! Room for growth, bigger aisle ways, and while we're at it, why not include a covered riding arena? So, I started pricing out packages and materials. After the sticker shock, Judy and I realized it wasn't going to get any cheaper to wait. We also realized we wouldn't be able to afford to hire someone to do the work either. So last summer we started the grading for our pole barn which now has grown to be about 88' x 108' in size. Then in October 2005 we drilled 48 holes in the ground, two feet in diameter and about five feet deep. (Now, that is a pile of dirt to move later...) We only hit three boulders that caused our auger to shift off course. One of these boulders ended up right in the

middle of a post. I would have moved the barn to clear it, but I had already drilled about 30 of the holes. We spent about three days getting this boulder out of the ground. I think it took at least a yard of concrete to back fill the post in place. Of course, construction pretty much halted when we had record rainfall in December and January. It isn't very easy to pour cement footings in the bottom of holes that are literally overflowing with rainwater. As you might imagine, nature's forces weren't finished with us yet. Our original twenty-four inch holes turned out to be about twenty-eight inch diameter due to erosion. Yep, more concrete was needed. Change order?

Concrete: Once the posts were in place and braced, we back filled them with concrete. That was the easy part; I used an onsite mixing truck that drove around to nearly each hole. Much easier than my first plan to back fill with 5/8" minus crushed rock, which the lumber supplier recommended. But, what was the spec on the concrete? I am sure there is more to it, but I was told it was 4000 psi mix. Could I prove it with anything, other than what was written on the receipt?

Pressure treated posts: I did make sure they were rated for ground contact. However, I later learned there are different types of preservatives. I'm not sure which I have, although the tags are still stapled to the top of the posts. Only problem is they are 18 feet in the air. When I climb up to put on the roof, I'll have to check and make a note of it.

Sheet steel roofing: Yep, I've got some. I looked around in the market for steel roofing, mostly at the major lumber suppliers. I found a source that rolls panels and sells direct to the public at a pretty attractive price. I was a little suspicious, but they said the paint had a 20-year warranty. That built some confidence, so I ordered up about 3500 lineal feet of metal and 8000 screws. When I went to pick up the material, it dawned on me that I hadn't asked about galvanizing under the paint. If I had been specifying steel doors it would have been automatic. But for some reason, it didn't come to mind on painted roofing. They later assured me it was galvanized, but to what thickness or spec they really were not sure...

The structure is turning out well thanks to our good friend Pythagoras and his "3-4-5" squaring formula. Oh, and my handy 5-beam laser.

However, reflecting on these challenges, I realize I have neglected to utilize our precious resources in the CSI community. I should have consulted with some of our members to make sure I wasn't omitting any critical elements that could impact the quality and longevity of the structure. CSI membership provides us all with a wealth of knowledge just a phone call away.



WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Tony Sipe CSI, CDT Architectural Representative for Armstrong World Industries

New Code Changes for Suspended Ceilings City of Portland and the State of Oregon issue prescriptive designs.

In September I presented the latest prescriptive design changes for suspended ceilings to the Specifier's Share Group. This is a summary of the information I gave.

What is Prescriptive Design?

It's a tool which creates a prescriptive alternate to engineered designs for suspended ceilings. That means it is the minimum acceptable design standard for satisfying the increased lateral restraint requirements of the IBC.

This design takes into effect the Seismic Design Category and Seismic Use Category. Seismic Design is broken up into categories A, B, C, and D, E, F. This can be found by contacting your local building department. The Seismic Use Category is determined by whether the building or other structure will represent a substantial hazard to human life in the event of a failure. It is categorized as I, II or III. (Verify as defined in Table 1604.5 of the building code).

The City of Portland prescriptive design standards went into effect May 1, 2006 (Seismic Zone "D").

The following is What's New & What's Not.

What's not new.

Hanger & perimeter wire requirements are the same as the previous code.

Compression strut & stabilizer member requirements are the same as the previous code.

Requirements for splay wires used for lateral bracing are the same as in previous code.

Fixture support and slack wire requirements are the same as in previous code.

What's new.

Ceiling systems shall be classified as "Heavy Duty" as defined by ASTM C 635-00

Two inch wall angle required.

Grid required to be attached to wall angle on two adjacent sides.

Grid to be installed to allow 3/4 inch of lateral movement in two directions.

Ceilings are limited to 2500 sq. ft. of undivided area.

Sprinklers and other similar penetrations of the ceiling are required to have the capability of one inch of lateral movement in all directions without contacting the ceiling panels.

Allow the use of engineered rigid brace in lieu of splay wires to limit the movement of the ceiling to 1/4 inch and to reduce the annular space around penetrations to 1/4 inch.

Special inspections are only occasionally required for installation of suspended ceilings.

State of Oregon

As of August 23, 2006 the State of Oregon has created the following minimum standards:

Seismic Design Category "C" will be constructed according to CISCA 0-2.

Seismic Design Category "D through F" will be constructed using CISCA 3-4.

Final notes

The brief summary above is for information purposes only. For additional information, please check the websites below or email me at alsipe@armstrong.com

www.portlandonline.com/bds

<http://bcd.oregon.gov/>

www.armstrong.com/seismic

www.nwcb.org

On another note:

Oregon Statewide Code Interpretation Seminar
Suspended Ceiling Systems

In 2004, the state of Oregon adopted the International Building Code. With its adoption, code interpretations for the use of suspended ceilings have been confusing at best. Issues such as seismic design categories, lateral force bracing and the appropriate use of powder driven pins have been just a few of the hot button topics. Recently, Oregon's Building Codes Division finalized statewide construction requirements for the installation of suspended ceilings. Join us as we review this code guideline that local jurisdictions will be referencing. This will impact design and plan review as well as jobsite inspections. On hand to help with our understanding will be Richards Rogers, Structural Program Chief for the state of Oregon and Ravindra Mahajan, Code Facilities Engineer for the State of Oregon. *The seminar is scheduled for October 4 in Portland Oregon. Email: Oregon@nwcb.org for more information.*

PERKY'S NOTES

By: *Perky Kilbourn, CSI*



First note: *The e-mail Epidemic*
I am a “Dilbert Fan” and Dilbert cartoons frequently appear in the scientific magazines I read. The most recent Dilbert Cartoon, which I would like to share, shows Dilbert examining his computer. Dilbert is telling his dog that that he is addicted to e-mail. Dilbert adds that his endorphins spike when he gets an e-mail message. Endorphins are

substances which are released when a person is happy. Dilbert’s dog then asks if Dilbert has tried sending e-mail to himself. Dilbert’s response is: “We don’t talk about that.” Suggesting that Dilbert had in fact sent himself e-mails. Which gets me to ask the question – What does the number of e-mails a person receive mean? More e-mails means the person is more important?

Second Note: *Role of Engineers*

A person by the name of Hugh Nibley is supposed to have said that many engineers have a drive to create and of the goods which they create there are two categories. Engineers create goods to express their creativity. Engineers also create goods to make money for the company for which they work which results in more money to them. Engineers need recognition and a clear vision of how the goods (products which they create) will fit into the marketplace. Once engineers see that they are appreciated by a company they will continue to have fun creating new amazing products that make lots of money for the company.

Third Note: *The Genographic Project*

The Genographic Project is a global, five year research initiative which was launched by the National Geographic and IBM. Its purpose is to trace the migratory history of the human species. Applied Biosystems will provide the laboratory research equipment and services to each of 10 participating global research centers. Members of the general public can take part in the project by purchasing a Genographic Project Public Participation Kit and submitting their own cheek swab sample, enabling them to track the overall progress of the project as well as learn their own migration history. For more information about the project, visit www.nationalgeographic.com/genographic.

Fourth Note: *Story about Katrina*

In the Fall 2006 issue of YES! magazine is an article “Where FEMA feared to Tread” by Tim Shorrock. In this article Tim discusses the New Orleans’ Algiers neighborhood. Apparently, the Algiers neighborhood did not have water in the streets but they did have extensive damage to roofs, toppled trees and power lines. The National Guard imposed a mandatory dawn-to-dusk curfew and huge trucks were running supplies here and there and helicopters were surveying the situation. A resident of Algiers commented in the article that it was a war zone until four young people on bicycles showed up and started knocking on doors asking if anyone needed medical attention. They were not from the Red Cross or FEMA but just volunteers who had come without authorization. They offered first aid, took blood pressure,

tested for diabetes and inquired about symptoms of anxiety, depression and disease. This Common Ground Collective was composed of white kids serving the black community and they wanted to provide solidarity and health care not charity. Among the many things they accomplish was that they were able to set up a clinic which continues to flourish in the Algiers neighborhood.

Fifth Note: *Jobs in Puerto Rico*

Randy Hice is the President of the Laboratory Expertise Center and wrote a column entitled “Mojoito Madness” for the July, 2006 issue of Scientific Computing magazine. Apparently, Randy Hice was in Puerto Rico at the time he was preparing this column. Hice wanted a Mojito and couldn’t find a bar to give him one until he found a restaurant called Mojito’s just outside of San Juan. While drinking his mojito he thought about the fact that formerly, Puerto Rico was a great place to work. Removing the IRS Possessions Tax Credit - Section 936 created problems. This exempted U.S. corporations from paying federal income tax on profits generated by qualified Puerto Rican subsidiaries. When this tax break was removed Puerto Rico lost more than 18% of its manufacturing positions. There are some stopgap measures being discussed but they may not help Puerto Rico especially if a pro-United States government is establish in Cuba after Castro dies.

Sixth Note: *Interoperability of EHR and the law*

EHR stands for Electronic Health Record. The Stark Law prohibited physician self referral. In April 2004 President Bush called for the majority of Americans to have interoperable EHRs with the Stark Law within 10 years. The Centers for Medicare and Medicaid Services, the Office of the Inspector General of the U. S. Department of Health and Human Service and Congress have been working on interoperability for the last two years but progress is slow. Congress and the U.S. Department of Health and Human Services have encouraged the development of EHR networks by creating broad exceptions to the Stark Law. Hopefully the new rules represent significant practical improvement in EHR for the physicians.

Seventh Note: *Innovative thinking about Healthcare*

Innovation creates easier-to-use diagnostic instruments with lower purchase prices. Test which were once restricted to inpatient procedures can now be performed in a physician office. Some diagnostic tests are now appearing as over-the-counter testing kits. Radiology and laboratory services are being marketed directly to consumers. “Wellness clinics” are beginning to be located near retail pharmacies, supermarkets and big box retail outlets. SmartCare Family Medical Centers are opening retail clinics and negotiating a partnership agreement with two divisions of supermarket Kroger as well as a letter of intent with Wal-Mart. Since Kroger owns Fred Meyer, one should watch the local stores for SmartCare Family Medical Centers.

(continued pg 5)

NW REGION CONFERENCE

(Continued from front page)



The pre-conference activities on Thursday are another opportunity to have fun and relax on the beautiful Eastmoreland Golf Course, or take an underground tour of Portland's Shanghai Tunnels to learn some of the not so nice history of Portland, or

travel to the "Red Hills" of Dundee to sample some of the best wines Oregon has to offer. Thursday evening join us for an early evening pub and art crawl as you move through the streets of Portland on a scavenger hunt during Portland's First Thursday Festivities. Then there is the "Hospitality Suite" nightly, until midnight, to meet old friends and make new ones. If you're not having fun then you're not at the 2006 CSI NW Region Conference.

PERKY'S NOTES

(Continued from page 4)

Eighth Note – Higher Education and Business Computers Mobile Computing and communication devices are valued possessions of returning students. Students are demanding that schools transform campus wireless networks from hotspot convenience services into critical network infrastructures. Laptops or notebook computers are used to take class notes and for group meetings about group projects. Campus Information Technology is working on Wi-Fi infrastructure and network access control, as well as mobility, security, scalability and guest access. Students are not spending money for mobile cellular broadband service. Students are buying smartphones which take advantage of their converged device enhancement and mobile broadband services. Similarly, some employees may want to use their personal smartphones and laptops for business. Information Technology Managers must decide whether to have separate remote access architectures for smartphones and laptops. The Information Technology manager also needs to think about Security of "Trade Secrets" if an employee can use their own laptop and smartphone at work.

SEPTEMBER TOUR RECAP

By: Perky Kilbourn & Ellen Onstad

On September 12, 2006 Portland Chapter CSI took a tour of historic Portland Armory. At the end of September 2006 this building will be the new space for Portland Center Stage. The Oregon National Guard Armory was constructed in 1891. It was designed in what is known as the Castellated Style with turrets and gun or arrow portals. It has wooden vaulted barrel parallel chord trusses which allow for the building's flexibility and thus its adaptability to its current use as a 21st century state-of-the-art performance facility. In 2003 the roof structure was removed and replaced with steel joists, steel decking and new insulation and roofing. In 2004 the exterior was refurbished, masonry cleaned, structural reinforcement of the parapet elements added. A 28 foot deep basement with shoring walls 8 feet from edge of unreinforced masonry walls and the mat footing of the new Henry condominium foundation was added.

The Tour consisted of eight stops, each of which showed a different interesting design feature. Our first stop was the main lobby with a discussion of the overall design and the efforts which have been expended in expectation of obtaining a platinum LEED (Leadership in Energy and Environmental Design) rating. Our second stop was the Balcony Mezzanine with the specific feature being the shoring of the new Henry condominium. Our third stop was the Audio/Visual Room and the Control Panel. The Control

Panel has a large set of controls, with each control being electrically connected to a specific effect. The Balcony Admin Area was our fourth stop and featured active chilled beam heating and cooling with integral light fixtures. Our fifth stop was in the Rehearsal Space where a skylight demonstrated the ability of sunlight to illuminate some of the interior spaces. Our sixth and seventh locations were the two stages. We were allowed to walk on both the Center Stage Theater and the Black Box - Studio Theater Stage. We saw what the actors will see during rehearsals – empty seats - which will hopefully be filled by the audience for a performance. Our eighth location was at the Lower Mezzanine level where we admired the stainless steel railings.

We then walked over to the Paragon for a delicious pot roast dinner. This is a wonderful space and hopefully those that missed the tour will take an opportunity to see a performance at the New Gerding Theater at the Armory. It's a great place.

Thanks to Ford Graphics we raffled two tickets to the first play at the theatre Westside Story and the winner was Mark Cooney with Hubbell Wiring Systems.

CSI MEMBERSHIP A VALUE

By: Robert W. Simmons, CSI, CDT, MAI

As a new career member of CSI working in a professional design firm or for a manufacturer or supplier of construction products, CSI can be your professional development program that will help you get your continuing education or learning units. CSI can also help you become a certified professional with a CCS, CCCA, or a CCPR, which gives you the understanding of the construction process that is required in the construction industry, as well as the opportunity to build your expertise and that next career opportunity. That opportunity may be in the form of a salary increase, a bonus or a perk that helps you continue to further your career with your current employment.

CSI's continuing education programs at the chapter, region or Institute levels will assist you in staying ahead of market trends in new products, codes or new construction designs. As a member of CSI, the amount of educational exposure you receive for the CSI membership fee and chapter dues that you pay each year is far less than what your employer would spend sending you to an outside design class or to a University workshop for any period of time.

CSI is a resource for professional development. These educational courses can be given at the chapter, region and Institute level for the price of a membership in CSI and your chapter. The CSI certification programs that you will be able to participate in help you as a professional and industry member to understand and support the construction industry requirements.

CSI membership will also give you access and exposure to owners, contractors, suppliers, and Architectural and Engineering firms that make up the project team on any given construction project. Through your CSI membership, CSI will be a valuable resource for your professional development. It will help give you the tools that you need to advance your professional career, help you develop your leadership abilities and keep you on top of the industry changes to establish a long career in the construction industry.

VALUE OF A CSI MEMBERSHIP

From CSI Website

The Elevator Speech

Ever been blamed for a project that went way over budget because the construction documents weren't prepared or interpreted correctly?

Do you think it would make life easier if everyone involved in a construction project was "on the same page" throughout the entire construction process of design, documentation, administration, and delivery?

Do you want to know how to do your job better?

CSI allows for the vertical integration of construction communication, and can help you make connections and facilitate discussion among all of the project team participants.

More communication means less errors and less money lost.

Along with the project team members communicating, CSI offers industry standard technical publications to improve clear documentation and communication. If everyone's writing documents the same way, then everyone can interpret the documents the same way they were intended.

Better documents means less errors and less money lost.

CSI also offers continuing education programs and the CSI Show to help you learn the latest industry advances to help you do your job better. CSI certification helps you implement construction documents, contract administration and project delivery on par with industry standards and practices.

Doing your job better means less errors and less money lost.

Some may say though, that the greatest part of CSI is belonging to a chapter. It offers you education, networking, resources, and leadership opportunities. Being a part of your local CSI chapter lets you really take part in the industry conversation.

Taking part means moving you and the industry forward."

To see the article go to: <http://www.csinet.org/s/csi/sec.asp?TRACKID=&sid=1&DID=13391&CID=66>

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA503-245-7100
Ankrom Moisan Associated Architects

Immediate Past President

Dennet Latham, RA, CSI, CCS503-872-4539
CH2MHill IDC

Secretary

Erica Bitterman-Ryon, CSI360-567-2910
Precision Images

Treasurer

Kaye Kloster, CSI503-227-3424
Ford Graphics

Executive Director

Jane Phifer, CSI503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

Corey Morris, CSI,503-224-4848
Clark/Kjos

Director, Professional 2006-2008

Skip Brown, CSI, CCS503-827-0505
WPH Architecture

Director, Industry 2006-2008

Bud Henson, CSI,360-600-0804
Custom Window Company

Directory, Industry 2006-2008

Mark Reeves, CSI503-283-8822
Hanset Stainless

Director, Professional 2006-2008

Fred Herbold, CSI 503-445-7389
SERA Architects

Director, Industry 2006-2008

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI 503-720-3005

By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

Continuing Education

Skip Brown, CSI, CCS503-827-0505

Golf Tournament

Erica Bitterman-Ryon, CSI 360-567-2910

Library

Perky Kilbourn, CSI503-244-1778

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Lee Kilbourn, FCSI, CCS, FAIA503-417-4400
 Pat Murphy, CSI, CDT503-240-3955

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Orientation

Michael Muhle, CSI, CDT503-284-6799

Products & Services Fair - Co-Chairs

Brian Setness, CSI, LEED503-255-0190
 Ed Macsisak, CSI,503-924-4106

Programs - Co-Chairs

Kaye Kloster, CSI503-227-3424

Publicity

Jane Phifer, CSI503-805-2500

Specifiers Share Group & Technical

Fred Herbold, CSI, CCS503-445-7389
 Isaac Tevet, CSI, AIA503-245-7100

Student Affiliate

Rudy Barton503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA
 Ph: 541-485-1700 Fax: 541-683-7722
 Email: tsdeines@ix.netcom.com
 Wildish Standard Paving
 PO Box 7428
 Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS
 Zimmer Gunsul Frasca Partnership
 Ph: 206-521-3506 fax: 206-623-7868
 awhitakre@zgf.com
 925 4th Ave. #2400
 Seattle, WA 98104

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA541-485-3970

Awards

Christine Irwin, CSI, CDT503-650-0148

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

Rick Heiserman, FCSI, CCCA, AIA503-245-7100

Electronic Communications

Rand New, CSI, CDT541-688-5594

Membership

Robert Simmons, BS, CSI, CDT253-946-2436

Planning

Jerry Litwin, CSI,253-584-5207

Publications

Bob Kenworthy, FCSI, CCS, CCCA53-931-4826

Technical

Marc Chavez, RA, CSI, CCS206-245-2100

Treasurer & Secretary

Marc Chavez, CSI,206-245-2100

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)
 Dan Graham, CSI, CDT907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)
 Dave Walter, CSI425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)
 Jeff Herrmann, CSI, CDT253-756-8191

Spokane, WA (Second Thursday)
 Jim Devaney, CSI 509- 953-1719

Portland, OR (Second Tuesday)
 Jane Phifer, CSI503-805-2500

Capital, Salem, OR (Third Thursday)
 Chris Veit, CSI, CCS503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)
 Doug Mullican, CSI, CCCA541-687-9451

Idaho, Boise, ID (First Tuesday)
 Steven Turney, CSI, CDT208-345-8872

Big Sky, MT
 Jan O'Brien, CSI406-245-6363

October 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 10/3 CSI Board Meeting, *Noon, AIA Office*
- 10/5-10/7 **CSI NW Region Conference**
- 10/10 No CSI Chapter Meeting - join us at the NW Region Conference**
- 10/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 10/16 CSI Membership Committee Meeting, *Noon, Russell Street BBQ*
- 10/26 CSI Specifiers Share Group Meeting, *Noon, ZGF*

NO OCTOBER CHAPTER MEETING

November 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- 11/7 CSI Board Meeting, *Noon, AIA Office*
- 11/9 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 11/11 **CSI Chapter Meeting, *Projects that would have changed the Portland skyline, Princeton Ballroom***
- 11/20 CSI Membership meeting, *Noon*
- 11/23 Happy Thanksgiving



Knowledge for Creating
and Sustaining
the Built Environment



Volume 46, Issue # 3

November 2006

Portland Chapter - The Construction Specifications Institute

Projects That Would Have Changed Portland's Skyline Tuesday, November 14, 2006

As active participants in the design and construction industry all CSI members take a certain pride in knowing and watching a building or facility break ground and rise up changing the 360-degree view of our metropolitan area.

But what about the projects that never make it that far? Come join CSI on Tuesday, November 14, 2006 to learn about some of these projects. Our featured speakers are:

- Robert Oshatz, architect
- Chris Linn, BOORA Architects
- Stuart Emmons, Emmons Architects
- Nancy Merryman, Robertson Merryman Barnes Architects, Inc.

Moderated by Stephanie Basalyga, The DJC's Commerce magazine managing editor, our panel will describe their projects and discuss the "what if" impacts on Portland's skyline, design community and residents. Stephanie's article in the February issue of Commerce magazine was the inspiration for CSI's meeting.

David Bragdon, Metro's president will also comment on Metro's initiatives as they apply to our design and construction community.

The Princeton Building Ballroom
614 SW 11th Avenue
Social at 5:30 PM
Dinner and Program 6:30 PM

Cost: \$30.00 pre person with pre-paid reservations by November 9, 2006
Sponsor a table for 8 for just \$230.00
Assure your spot for this special event! See enclosed Event Reservation
Late reservations – and walk-ins (as available): \$40.00 per person

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org

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PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Opening Doors!

Considering my profession, I thought I might propose an analogy for my column this month. When I write specifications for Section 08 71 00 Door Hardware, for each and every opening on the project I ask myself a few simple questions. How am I going to: **H**ang the door(s), **L**ock the door(s), **C**ontrol the door(s), and **P**rotect the door(s), (**HLCP**)? Coincidentally, this is also the industry's

standard order for listing door hardware items. This process usually keeps me out of most troublesome situations, which are usually caused by interruptions. I can quickly, after an interruption, go back to the beginning of the group I was working on and pick up where I left off. Simplifying this part of the process helps to focus on those parts of the project that have access control or some special condition requiring a unique solution for the client.

Likewise, CSI's Certificate and Certification programs offer several ways to assist us with opening doors for ourselves with customers and employers in the built environment. It is like carrying around a power assist auto door opener on your business card. However, this CSI opener is truly much more powerful and never wears out!

Consider Hanging the Door. I analyze the opening, allowing for all of the following in my final selection: the door and frame material, the size of the door leaf, the weight of the door, required fire rating of the opening, the degree of opening desired, expected cycles per day the door will be used, abusive conditions, environmental conditions, special electrical requirements, desired length of service, desired architectural appearance, and of course the difficult one... the budget. In comparison, we promote ourselves as professionals in our own fields. We hang our careers, or in this analogy, our doors, for the world to see on different things: relationships, friendships, experience, history, personality, honesty, and performance. These are all very important elements in a client or employer's decision to allow us through their door. And we have been successful in our careers to get to this point this way. But what steps can be taken to get to the next level? Adding CDT at the end of your name is like upgrading your business card from a rusting plain bearing steel hinge to a beautiful new offset pivot set and floor closer that will perform effortlessly for years to come.

So if a shiny new set of pivots for your business card hasn't been convincing enough to sign up for our "Series of CDT Classes," try out this little quiz to see which side of the door you're standing on. These are some questions from the CDT Study Guide. I have included the link to the solutions at the institute website. There will likely be two outcomes from the results of the quiz. Either, "I didn't realize what the professional community expected me to know and understand; I better get signed up for this year's classes and get my certificate," or "I didn't realize I knew all that; I should get signed up for this year's CDT classes and set for the exam on March 31st, 2007 to really show my employer and the design community what a valuable resource I am!"

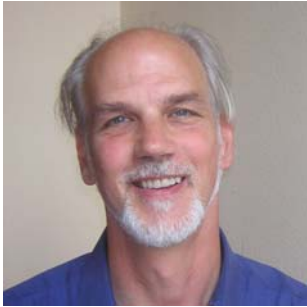
The Quiz....

1. A facility's "life cycle" includes all of the following EXCEPT:
 - a. Project Conception
 - b. Financing
 - c. Construction
 - d. Facility Management
2. The objective of the competitive bidding process is:
 - a. To ensure that all qualified bidders may submit bids on public work projects
 - b. To ensure that public works contracts are always awarded to the lowest bidders
 - c. To ensure that the intent of the governing public laws is maintained in the awarding of contracts
 - d. To ensure that the cost of the project is reasonable and consistent with the prevailing conditions in the building industry
3. Multiple-prime contracts are normally a part of:
 - a. Turn-key construction
 - b. Negotiated contracts
 - c. Long duration construction projects
 - d. Fast-track construction
4. The specification-type document prepared during the Design Development phase is called the:
 - a. Outline Specification
 - b. Rough Draft Specification
 - c. *UniFormat* Elements
 - d. Cost Estimate
5. The contractual relationship governed by the Conditions of the Contract is between:
 - a. Owner and Contractor
 - b. A/E and Contractor
 - c. Owner and Subcontractors
 - d. A/E and Subcontractors
6. The Procurement Documents include all of the following EXCEPT:
 - a. Procurement Requirements
 - b. Contract Modifications
 - c. Project Manual
 - d. Drawings
7. To be effective in communicating, specifications should be:
 - a. Complete, concise, and correct
 - b. Concise, clear, and correct
 - c. Clear, correct, complete, and concise
 - d. Concise, correct, and complete
8. Which of the following is NOT a contract modification:
 - a. Change Orders
 - b. Construction Change Directives/Work Change Directive
 - c. Addenda
 - d. Architect's Supplemental Instructions/Field Order
9. Who is solely responsible for control over construction means and methods?
 - a. Contractor
 - b. Supplier of equipment being installed
 - c. Owner
 - d. A/E

Here's the link to the answers, page 35 of the PDF document. On page 34 there are a few more questions that wouldn't fit here.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Fred Herbold, CSI, CDT



Protective Treatments for Exterior Masonry Film Formers versus Penetrators

Although many of us may be well versed in protective treatments for masonry against our Northwest environment, a refresher is often enlightening. The Specifier's Share Group recently hosted such a refresher

from Gene Bollinger, regional representative for ProSoCo. The subject was the title of this article.

WATER STAINS AND DAMAGE

Probably most of the aesthetic staining and functional damage to masonry is related to water. There is no masonry material that does not absorb water. They are all porous to some extent. Once water enters masonry it will be driven by several forces (a separate topic) and may result in several of the following effects.

Efflorescence: Water dissolves salts in masonry, transports them to the surface and leaves them behind as re-crystallized (white) salt stains when it (the water) evaporates.

Lime Run: In this case, water dissolves calcium carbonate in masonry and mortar. The "leave behind" white stains on the surface are hard, white deposits that are difficult to clean (an acid must be employed).

Metallic Stain: Natural or added metallic elements are dissolved, transported and deposited in the same way. Greenish stains on light colored brick is from vanadium; tan or brownish stains are from manganese.

Biological Stain: Constant damp and shade along with dirt contribute to the growth of mildew and algae on masonry; causing the all too familiar black and green stains.

Rust: When water corrodes ferric metals either within or penetrating masonry, the reddish brown stains will appear.

Subflorescence Damage: When the surface of masonry is closed by either an applied film or build-up of salt and dirt, dissolved salts in water are not deposited at the surface, rather just behind the surface. The build-up creates a force that pops off (or spalls) the face of the masonry.

Freeze-Thaw Damage: Repeated freezing and thawing cycles of water absorbed in masonry breaks down the masonry's structure. The result can vary: cracking, chipping, and spalling. Climate is an important factor, we usually do not consider freeze-thaw in the lower elevations of the Willamette Valley.

Metal Corrosion: Sustained moisture in combination with salts can corrode unprotected metal, especially steel. Corrosion such as rust is expansive. It will crack, bulge, and stain masonry; and eventually no longer support it.

Moisture Migration: Water can also be driven into the building interior and cause an entire new set of problems.

The problems above can be prevented by employing one or both of the following: Good Design and Protective Treatment.

DESIGN SOLUTIONS

The following set of solutions and be thought of as traditional good building practice or design. You may feel that some are not part of our modern building vocabulary.

Protective Building Elements: Projecting elements beyond the face of the wall helps to keep water off the wall. Examples are projecting cornices, overhanging eaves and rakes, and projecting lintels, arches, and sills at openings.

Dripping Details: Projecting and extending elements should include a drip just inside the underside surface. Flashing should be extended beyond the face of the wall and terminated with a drip. These details keep water and dissolved salts off the wall.

Massive Walls: Solid, load-bearing masonry that is so thick, water evaporates on the outside surface before it can reach the building interior is a traditional technique. This type of wall can absorb a lot of water. Even in winter, evaporation occurs, so drying is always occurring.

Cavity Wall – Rain Screen: A properly designed masonry veneer or cavity wall is a good example of the rain screen principle. Remember to collect water from both faces of the cavity and lead it to the outside via through-wall flashing and weeps (and a good drip). Remember to vent the top of each cavity, and to pressure equalize (subdivide cavities) on large buildings.

PROTECTIVE TREATMENTS

There are two types of protective treatments: film formers (or coatings) and penetrators. Since our hypothesis is that water is the key factor in masonry staining and damage, it follows that the purpose of these "treatments" is to repel water. Therefore, you will find these treatments (product and application) specified in Section 07 19 00 – Water Repellents.

Film Former Water Repellents: These products are intended to form a clear, water-tight coating on the surface. They fill and block the pores of masonry, preventing liquid water from entering. Examples are resins such as oils, acrylic or polyurethane. Since they form a new surface, they will change the appearance. They can block water that enters from another location and get cloudy or milky. They can also cause subflorescence.

(Continued on page 5)

PERKY'S NOTES

By: Perky Kilbourn, CSI



Note #1

Perky just finished writing her report of the General Session at the recent CSI NW Region Conference. There were four R's discussed by the Port of Portland representative (Tom Peterson) – Roads, Rails, Runways & Rivers. Perky discovered some more "R words" when she read the editorial entitled "These 'R' Words are Definitely the Right Words!" by

Daniel J. Schneck from the August 2006 issue of American Laboratory.

Schneck's words are: *resolve, reasonable, righteous, responsible, reinforcement, resilience, and recuperation*. His concluding paragraph is a *recap* because he said he had *rambled* on long enough in making the point that one should *recognize* the letter "r" as being *replete* with words to live by – words that Schneck could *recommend* without the slightest *reservation*. They are *relevant, radiant, rhapsodic, robust, receptive, rudimentary, recurring* words that belong in everybody's vocabulary as a way of life to *reach* for.

Note #2

John Soat wrote a good discussion in the July 24, 2006 issue of Information Week. The Discussion was entitled "Ten True Things about Technology". He started the countdown with

Number 10 - Government regulation is not a friend to technology – which may be obvious and unfortunately true.

Number 9 - Information technology (IT) – What Soat says is "IT will never not be complex." – that is - IT will probably be complex.

Number 8 - Consumer technology – Consumer technology is creating a demand for something people didn't know they wanted.

Number 7 - Information technology – IT will usually be behind the demand curve. You can imagine more than you can implement.

Number 6 - The technology industry – We build products only to destroy these products and make these products better for the next generation of these products. To stay ahead of competition, industries are continuing to perform research and development (R & D) to make better products.

Number 5 - Software wants to be free – Software can be made to work – Software can be made to do what you want the software to do.

Number 4 – The Article "IT Doesn't matter" doesn't matter – that is "IT does matter!" – just shut off your spam filter and see what happens.

Number 3 – Consumer technology matters, but not as much as people think.

Number 2 – Civilians – lay people – fear technology because they don't understand it, they don't trust the people who run it, and they are still not convinced the technology equation will ultimately prove advantageous to them. To paraphrase an old familiar phrase – "What has IT done for me lately?"

Number 1 – Only a small, self-selecting group of people refer to technology "as sexy". Some specific examples of "sexy technology" would be a software code, a network router, or a Web browser. The people who think technology is "sexy" are the people you want working on your IT team.

Note #3

In the October 2, 2006 issue of Information Week, John Soat topic is "An IT Detective's Work is Never Done". This is a story about a detective who is similar to the detective character that Garrison Keller portrays on Prairie Home Companion. – A detective for hire. – Quoting from the article "... she strolled in the door. Like an online advertisement, she didn't bother to knock. She was high density, all right, a smooth operator with cycles to spare. She sat down in the chair in front of my desk. She said her name was Carly. "Are you private detective MacVista, the one they call Killer App?"

She then starts asking for information which private detective MacVista knows is "... treading on pretty thin ice. That kind of stuff gets into some gray areas, legality wise."

What should MacVista do?

It raises a good question for the construction business too – where do you draw the line – where is the illegal point when a request from your employer asking you to obtain some information?

Note #4

This is going to be a change of pace with a discussion of an article "What's Eating America – Corn is one of the plant kingdom's biggest successes. That's not necessarily good for the United States" by Michael Pollan from the July 2006 issue of Smithsonian. In his concluding paragraph Pollan expresses his belief that nitrogen guzzling monocultures of corn may not be in the best interest of the United States. Organic farmers, who don't use synthetic fertilizer, prove every day that the sun shines, so the plants (with their bacterial associates) will fix nitrogen and farm animals will produce vast quantities of nitrogen in their "waste". It is entirely possible to nourish the soil and ourselves, without dumping so much nitrogen from synthetic fertilizers into the environment.

According to the article, the United States started using synthetic fertilizer in 1947. At the end of World War II, the huge munitions plant at Muscle Shoals, Alabama, switched over from making explosives to making chemical fertilizer. The chemical fertilizer industry is the product of the government's effort to convert its war machine to peacetime purposes. The concluding paragraph of the article suggests that the key to reducing our dependence on synthetic nitrogen is to build a more diversified agriculture – rotate crops and use animals to recycle nutrients on farms. As the price of fossil fuels increases farms will need to look at nature to create fertility without diminishing our world. Perky and Lee have a community garden at Fulton Park and all community gardeners are asked not to use synthetic fertilizers – Lee and Perky cooperate with this request and do surprisingly well with Maple and Oak leaf mulch as our non-synthetic fertilizer.

WHAT DO YOU SAY

(Continued from page 3)

SEMINAR RECAPS

By: Bob Kenworthy, FCSI, CCS, CCCA

Summary - Session 4A - Advanced Optical Daylighting Systems, Dr. Neall Diget

Penetrating Water Repellents: Penetrators are also clear, but they penetrate deeply into the masonry, they close masonry to liquid water by chemically bonding to the pores, the masonry remains breathable, and they do not change the appearance of masonry. Penetrators are formulated for the type of masonry: dense, porous, calcareous stone, or siliceous stone. The manufacturer should have a clear list or chart showing which product to use with different substrates. Generally, silanes are smaller molecules and used for dense concrete. Siloxanes are larger molecules and are used for more porous masonry. Siloxane with an activator is commonly used for CMU. However, CMU made with very porous aggregate like pumice (caution) is nearly impossible to treat successfully.

This specifier did not have to be convinced. Penetrating water repellents are the industry standard for vertical masonry surfaces.

PREPARATION & APPLICATION

Key topics for your specification or project are: Cleaning, pre-testing, mock-up, application, post-testing. Require cleaning. I recommend requiring proprietary cleaners accepted by the masonry manufacturer or supplier. Do not allow muriatic acid; it can contain contaminants that cause bad effects. The substrate must be dry. Pre-test with a Rilem tube: 5 inches should be absorbed in 10 minutes.

Applicator should be trained and approved by the Manufacturer. Many manufacturer's offer up to a 10 year warranty against water infiltration. Require the manufacturer's participation at pre-installation conference, accepting the substrate, during application, and post-testing. If you have a masonry mock-up, include application of the water repellent.

Application should follow manufacturer's instructions; there is some slight variation. However, I think all agree, bottom to top, and never atomize. Some say one full flood coat. Others say start with a light coat to break surface tension, immediately followed by the full flood coat.

Post-test, either by manufacturer or by Owner's agent, at least 2 locations on every exposure. The Rylan tube should hold water level for 20 minutes.

Related Topics

Water repellents are available in water based, low VOC formulas.

Several water repellent manufacturers make a penetrating graffiti repellent that is compatible with their water repellent. Like penetrating water repellents, these do not change the surface appearance. I suggest testing a mock-up or researching the product well.

Many Rilem products and other penetrating treatments for horizontal concrete are available. It's a topic for another time.

Dr. Diget's presentation addressed the means of providing optically-controlled daylighting through the use of tubular daylighting devices (TDDs). A multitude of recent studies have indicated that daylighting can improve staff productivity, increase retail sales, improve student performance, reduce the environmental impact of the building, and decrease energy costs. Regardless of the building type, each of these improves the bottom line of the building user. One of the examples cited indicates that typically a company spends 70 times as much each year on salaries as it does on energy. Factoring in these considerations quickly reduces the payback on the initial cost of daylighting. Daylighting is typically introduced into a building through top lighting or side lighting. Both types of daylighting can result in shifting light patterns which can be disruptive to building users, especially those who are assigned to a single location for an eight hour work day. If designed and installed appropriately, TDDs can resolve this problem by providing a consistent level and intensity of daylighting throughout a given day and can contribute significantly to providing a consistent level of daylighting throughout the year. TDDs are now available with integral lamps for non-daylight hours, a variety of diffuser types, and manual and electronic light level controls.

Summary - Session 5A - Urban Walkways, Bruce Appleyard

"We should raise our sights for the moment. What could a residential street - a street on which our children are brought up, adults live, and old people spend their last days - what could such a street be like?" - Donald Appleyard, *Livable Streets*, 1981. In the United States our streets are often designed to move as many cars as possible at as high a speed as possible as safely as possible. Often, little thought is given to the pedestrians or the building occupants along these streets. We need to rethink what we are doing. Bruce Appleyard used streetscape examples from urban, suburban, and rural areas of the U.S., Europe, and Asia to demonstrate successful and less than successful efforts to introduce humanity back into the streetscape. He discussed how streets can be designed to incorporate traffic calming devices and place making elements such as varying paving materials, the omission of continuous curbs, trees and plantings, street furniture, play equipment, and parking areas. Successful design can be the first step to modifying our behaviour and encourage us to use our streets as livable places.

NW CONFERENCE RECAP

Importance of Transportation – Tri-Met/Port of Portland/PDC (Portland Development Commission)

Russ Pitkin welcomed every one by explaining the contents of the bag which registrants received.

There will be three learning tracks and so a decision must be made as to which speaker you will attend.

Senior Region Director Tom Dienes then discussed the Region accomplishments.

Russ then began the program by introducing the first of three speakers –

Bob Hastings with Tri-Met. Bob's topic was the Mall Revitalization which is tied to land use planning and transportation. The various portions of the Land Use Plan include:

First - the Mall which was built 27 years ago (1978). The Mall was a result of the 1972 Downtown Plan. The 1972 Downtown Plan and Mall were approved to hopefully prevent the flight of people and businesses to the suburbs. The Mall is a spine down the middle of Portland. Tri Met is now working on extending the Mall - spine and creating a Bi-State - Oregon-Washington - Community

Second – The Eastside MAX took from inception in about 1979 to 1986 for approval of the concept and construction to begin. One major concern was that the businesses along the Eastside MAX should not be forced out of business because of the construction.

Third – The Westside Max and Eastside Max make a Corridor which now extends from Gresham to Hillsboro. It's construction required that there be an understanding community which was trying to answer transportation problems.

The plans for the Mall Revitalization are just being finalized and hopefully construction will start in December 2006 with completion in September 2009. Registrants were encouraged to note the development which has occurred along the transit corridor. The registrants seemed to agree that Portland is in fact becoming a Bi-State Community.

The second speaker in this set was Tom Peterson of the Port of Portland. The Port of Portland was created in 1891 by action of the Oregon State legislature. The initial purpose of the Port of Portland was to dredge a shipping channel from Portland to the Pacific Ocean

Obviously the Port of Portland has expanded its role so it now includes the 4 R's – Roads, Rails, Runways and Rivers. Currently, the average citizen connects with the Port of Portland at the airport with baggage screening. The attractive airport lobby became congested after 911 due to security measures. Efforts are now being made to once again have an attractive lobby which makes an enjoyable first impression of Portland for newly arriving passengers.

Railroads have not been neglected by the Port of Portland. The Port of Portland is continuing to link the transportation

of raw materials by rail or river transportation to Portland where the raw materials can be converted to finished products. The finished products can then be shipped by rail or on the river to their final destinations.

The Port of Portland interest in the roads aspects of its 4 R's comes into play when the property surrounding one of the Port of Portland facilities is examined. The Port of Portland likes to be a good neighbor and encouraging private-public partnership in the development of the neighboring property. The titles of some of the commercial and industrial parks and in the Portland area are listed with their respective "R's".

Rivergate Industrial District – River, Rail and Roads
Swan Island Industrial Park/Port Center – River and Rail

Mocks Landing – River, Rail and Roads

Portland International Center – Runways, Rail and Roads

Troutdale Industrial Park (Troutdale Airport) – Rivers, Runways, and Roads.

Brookwood Corporate Park (Hillsboro Airport) – Runways and Roads

The final presentation was by Mike Prothe who is with PDC (Portland Development Commission). Mike provided us with a 15 page handout which reproductions of all 70 slides which he showed us.

The goals and vision of the PDC is to eliminate blight by creating jobs and housing with the resultant strengthening of the economy. PDC likes to develop public – private teams which allow PDC to accomplish more while using less of its own funding.

Mike showed us slides of many of the numerous projects with which PDC has been involved. The list included some of the projects discussed by Tom Peterson of the Port of Portland. In addition there were several market rate and affordable housing projects which housing projects have been well received. These housing projects met the City Council's requirement for tax exempt programs which result in public benefit.

It should be noted that the final tour was of the newest building (OHSU Center for Health & Healing) in the South Waterfront Area. After hearing Andy Frichtl's discussion the registrants traveled to this Center for Health and Healing by means of public transportation (Tri Met MAX and The Streetcar). This Center for Health and Healing will ultimately be connected to the Oregon Health Science University (OHSU) with the Sky Tram which is still under construction. Hopefully the information provided in this article will allow the reader to realize that the CSI NW Region Conference was worthwhile and the reader should have attended.

2006 CSI NW Region Conference Thanks

By: Russ Pitkin, CSI, CDT, AIA, LEED AP

One of the most successful and fun conferences in recent history was hosted by the Portland Chapter at the Lloyd Center Doubletree hotel on October 5th through the 8th. The conference provided an interesting selection of learning sessions that some commented, offered several classes at the same time which made selection hard at times. Architects were able to receive a full year of continuing education units for Oregon licensure. This together with the fun of the products and services fair wine and micro-brew tasting on Friday and other entertainment made for an enjoyable time for all those who attended. This is the time to recognize and give special thanks to all the Portland Chapter members who helped with the planning and organization:

Amy Clements, Bud Henson, Carolyn Miller, Cherie McNabb, Chris Irwin, Denise Carpenter, Ellen Onstad, Erica Bitterman, Jim Sheehan, Rick Heiserman, Steve Gray, Tom Coffey, Russ Pitkin, Erica Lange, Shonnie Samwel, Joan Schaefer, Jim Wilson, Cornelia Gibson, Doug Allen, John Lape, Kaye Kloster, Lee Kilbourn, Brian Setness, Brian Keil, Fred Herbold

Ads and Articles (Russ)

Budget (Erica B-R, Bud, Tom)

Certification Exams (Russ, Fred Herbold, Brian Keil)

Chair (Russ)

Chapter President Oversight (Dennet Latham, Doug Allen)

Conference Assistance (Lee Kilbourn, Denise Carpenter, Cornelia Gibson, Jim Sheehan, Erica Lange)

Conference Location (Bud, Carolyn, Cherie, Denise, Ellen, Steve, Jim W.)

Conference Program (Everyone)

Conference Registration (Jane Phifer)

CSI Jeopardy (Ellen, John L., Rick)

Fellowship Reception (Erica B-R, Ellen, Russ, Rick, Tom)

Golf Tournament (Erica B-R.)

Hospitality Suite (Brian Setness)

Review conference activities and details

Scavenger Hunt (Cherie, Steve)

Shanghai Tunnel Tour (Chris)

Site Tour (Jody Moore + tour guides)

Speakers and Speaker Contracts (Erica B-R, Ellen)

Speaker Gifts (Erica B-R, Ellen, Bud, Shonnie)

Sponsorships (Bud, Tom, Erica B-R)

Student Help for Registration (Amy)

Wine Tour (Joan, Chris)

Wine and Beer Tasting (Kaye, Erica B-R, Joan)

Thank you to all these members who helped make this the most memorable conference in recent history.

There were three Portland Chapter members who were recipients of awards. Richard Heiserman, FCSI, CCCA, AIA received the Frank Stanton Memorial Award and Lee Kilbourn, FCSI, CCS, FAIA and Russell Pitkin, CSI, CDT, AIA, LEED AP received Northwest Region Directors' Citations.

Congratulations to those members!



NW REGION CONFERENCE



Thank You to all Our sponsors



Scenes From 2006 CSI NW Region Conference



CSI CERTIFICATE/CERTIFICATION EXAM NEWS

2007 Exams - Early Registration Deadline Quickly Approaching!

Early bird registration deadline for CSI CDT/CCS/CCCA/CCPR exams is December 1, 2006. Save \$60-65 off regular exam price when you register by the early bird date. Register for the exam online at www.csinet.org.

CSI Certificate and Certification Programs Benefit Everyone:

- Certificate Holder - Professional development and career advancement
- Employer - Proof of Expertise
- Client - Improved confidence in team players involved in the documentation process.
- Profession - Connect team players through common language and knowledge of documentation

The Construction Documents Technologist (CDT) certificate program is a rigorous and comprehensive course of study based primarily upon the Project Resource Manual - CSI Manual of Practice and CSI Masterformat, 2004 edition. The certificate represents the holder's knowledge of construction project participant relationships, construction document organization, and the different phases of construction project cycle.

Obtaining the CDT certificate is the first step towards meeting the eligibility requirements for the other CSI certifications:

CCS - Certified Construction Specifier

CCCA - Certified Construction Contract Administrator

CCPR - Certified Construction Product Representative

CSI Portland Chapter offers CDT Study Classes

On Wednesday evenings, starting January 31, 2007, Portland Chapter members that have previously obtained certification will offer a series of 8 study classes leading up to the March 31, 2007 CDT exam. These classes will be held at the Port of Portland Offices at 121 NW Everett Street, from 6:00 pm to 8:00 pm. **Cost to register for the entire series of classes is \$100 for CSI members; \$150 for non-members. Students (full time student in a construction related curriculum) may take the classes for free. To register for classes, contact Jane Phifer at Portland CSI, 503-805-2500 or by email at jane@portlandcsi.org.**

Study Materials: The CSI Portland Chapter has a limited number of these documents for sale at the following prices:

Project Resource Manual – CSI Manual of Practice: \$193 for CSI members; \$250 for nonmembers

MasterFormat 2004: \$90.00 for CSI members; \$125 for nonmembers

(These prices represent a 20-40% savings over prices available through the Institute bookstore).

Important Dates to Remember:

Nationwide Exam Date: Saturday March 31, 2007

Exam Early Registration Deadline: December 1, 2006

Exam Final Registration Deadline and start of CSI Portland Study Classes: January 31, 2007

For more information on the exams, visit www.csinet.org/certification. For more information on the study classes, contact Portland Chapter Certification Chair, Christine Steel, at 503-944-7367 or by email at christine.steel@portofportland.com.

STEPS FOR BECOMING CSI CERTIFIED

Step 1. Register to take the national exam on Saturday, March 31, 2007

Deadline: December 1, 2006 (early registration); January 31, 2007 (final registration)
Contact: Construction Specifications Institute (CSI)
PO Box 758849
Baltimore, MD 21275
www.csinet.org
1-800-689-2900

Step 2. Procure the study materials

Project Resource Manual Available from: Portland Chapter CSI,
Member: \$193, Nonmember: \$250

MasterFormat2004 Available from: Portland Chapter CSI,
Member: \$90, Nonmember \$125

Available from: CDT Study Guide
CSI
Standard Agreement/General Conditions AIA A101 and AIA A201
Available from: CSI or American Institute of Architects (www.aia.org)

or
Standard Agreement/General Conditions EJCDC C-520 and C-700
Available from: National Society of Professional Engineers (www.nspe.org)

Step 3. Don't study alone! Join the Portland CSI chapter CDT study group

Registration: Jane Phifer, CSI Executive Director
Telephone: 503-805-2500
E-mail: jane@portlandcsi.org

More Info: Christine Steel, Certification Chair
Telephone: 503-944-7367
E-mail: christine.steel@portofportland.com

When: Wednesday evenings - January 31 through March 28, 2007
Where: Port of Portland Building, 121 NW Everett St., Portland
Time: 6:00 pm to 8:00 pm

Step 4. Pass the test and enjoy your increased professionalism and understanding of construction contract documents!

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA503-245-7100
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Dennet Latham, RA, CSI, CCS503-872-4539
CH2MHill IDC

Secretary

Erica Bitterman-Ryon, CSI360-567-2910
Precision Images

Treasurer

Kaye Kloster, CSI503-227-3424
Ford Graphics

Executive Director

Jane Phifer, CSI503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

Corey Morris, CSI,503-224-4848
Clark/Kjos

Director, Professional 2006-2008

Skip Brown, CSI, CCS503-827-0505
WPH Architecture

Director, Industry 2006-2008

Bud Henson, CSI,360-600-0804
Custom Window Company

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Mark Reeves, CSI503-283-8822
Hanset Stainless

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Fred Herbold, CSI 503-445-7389
SERA Architects

Director, Industry 2006-2008

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI 503-720-3005

By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

Continuing Education

Skip Brown, CSI, CCS503-827-0505

Golf Tournament

Erica Bitterman- Ryon, CSI 360-567-2910

Library

Perky Kilbourn, CSI503-244-1778

Membership - Co-Chairs

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 Pat Murphy, CSI, CDT503-240-3955

Operations Guide

Ken Searl, FCSI, CCS503-362-3472

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Programs - Co-Chairs

Kaye Kloster, CSI503-227-3424

Publicity

Jane Phifer, CSI503-805-2500

Specifiers Share Group & Technical

Fred Herbold, CSI, CCS503-445-7389
 Isaac Tevet, CSI, AIA503-245-7100

Student Affiliate

Rudy Barton503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA
 Ph: 541-485-1700 Fax: 541-683-7722
 Email: tsdeines@ix.netcom.com
 Wildish Standard Paving
 PO Box 7428
 Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS
 Zimmer Gunsul Frasca Partnership
 Ph: 206-521-3506 fax: 206-623-7868
 awhitacre@zgf.com
 925 4th Ave. #2400
 Seattle, WA 98104

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA541-485-3970

Awards

Christine Irwin, CSI, CDT503-650-0148

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

Rick Heiserman, FCSI, CCCA, AIA503-245-7100

Electronic Communications

Rand New, CSI, CDT541-688-5594

Membership

Robert Simmons, BS, CSI, CDT253-946-2436

Planning

Jerry Litwin, CSI,253-584-5207

Publications

Bob Kenworthy, FCSI, CCS, CCCA ..53-931-4826

Technical

Marc Chavez, RA, CSI, CCS206-245-2100

Treasurer & Secretary

Marc Chavez, CSI,206-245-2100

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)
 Dan Graham, CSI, CDT907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)
 Dave Walter, CSI425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)
 Jeff Herrmann, CSI, CDT253-756-8191

Spokane, WA (Second Thursday)
 Jim Devaney, CSI 509- 953-1719

Portland, OR (Second Tuesday)
 Jane Phifer, CSI503-805-2500

Capital, Salem, OR (Third Thursday)
 Chris Veit, CSI, CCS503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)
 Doug Mullican, CSI, CCCA541-687-9451

Idaho, Boise, ID (First Tuesday)
 Steven Turney, CSI, CDT208-345-8872

Big Sky, MT
 Jan O'Brien, CSI406-245-6363

November 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

- 11/7 CSI Board Meeting, *Noon, AIA Office*
- 11/9 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 11/14 CSI Chapter Meeting, *Projects that would have changed the Portland skyline, Princeton Ballroom***
- 11/20 CSI Membership meeting, *Noon*
- 11/23 Happy Thanksgiving

December 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

- 12/5 CSI Board Meeting, *Noon, AIA Office*
- 12/12 CSI Chapter Meeting - *AFO's Citizen of the year 2005, Toys drive***
- 12/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*

MERRY CHRISTMAS!!

January 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- 1/2 CSI Board Meeting, *Noon, AIA Office*
- 1/9 CSI Chapter Meeting - *Economic Forecast, & new member orientation Princeton ballroom***
- 1/11 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 1/25 CSI Specifiers Share Group Meeting, *Noon, ZGF*

HAPPY NEW YEAR!!



Knowledge for Creating
and Sustaining
the Built Environment



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December 2006

Portland Chapter - The Construction Specifications Institute

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



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In Livable Cities is Preservation of the Wild
Mike Houck, Executive Director, Urban Greenspaces Institute
December 12, 2006



The belief that the city is an entity apart from nature and even antithetical to it has dominated the way in which the city is perceived and continues to affect how it is built. The city must be recognized as part of nature and designed accordingly. Anne Whiston Spirn, The Granite Garden, 1984

Mike Houck, Director of the Urban Greenspaces Institute, will describe efforts to create a livable Portland-Vancouver metropolitan region through the enhanced protection and restoration of a vibrant green infrastructure. He will describe the evolution of parks, trails, and natural area planning in Portland

and the metropolitan region, from the 1903 Olmsted Master Plan for Portland Parks to the regional Metropolitan Greenspaces Initiative and the recent passage of Measure 26-80 which provides Metro and local park providers with \$227.4 million to add to the region's growing natural areas and trail system.

Mike will illustrate on-the-ground examples and tools the region is using, including regional growth management strategies, and innovative watershed planning and stormwater management to simultaneously ensure equitable access to nature, parks, trails, and greenspaces; maintaining biodiversity; and creating higher density, compact urban forming our region. He will also discuss what he sees as the role of the design and development community to more effectively integrate the built and natural environments to ensure we become a more ecologically sustainable metropolitan region.

CSI Portland Chapter is again helping the NW Regional Council of Carpenters with their annual Toy Drive. Please join us with donations to the toy drive. You can bring an unwrapped gift to donate or we will be raffling off a \$100 gift certificate sponsored by the Portland Chapter of CSI. We have had several companies donate \$100 gift certificates for this worthy cause. Please plan on supporting this great event this Christmas Season.

The Princeton Building Ballroom
614 SW 11th Avenue
Social at 5:30 PM
Dinner and Program 6:30 PM

Cost: \$30.00 pre person with pre-paid reservations by December 8, 2006
Sponsor a table for 8 for just \$230.00

Late reservations – and walk-ins (as available): \$40.00 per person

Assure your spot for this special event! See enclosed Event Reservation

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



This time of year is a great time to give thanks to loved ones and friends. Reflecting back on this year's NW Region Conference, one of our speakers gave some advice about this rewarding endeavor. Danita Hammond helped us to understand how to recognize who the "Unsung Heroes" are in our lives. Moreover, how important it is to let these heroes in our lives know that they made a difference to us. First off, Danita,

thank you for developing your program and sharing it with us at our conference, you have made a difference for me.

Therefore, this seems like a great opportunity for me to give thanks to the many CSI mentors that have helped me in my business, CSI, and most importantly personal development.

Thanks to T.J. Gottwalt, Director of Architectural Development for ASSA ABLOY Door Security Solutions. I started my membership with CSI shortly after becoming an architectural manufacturers' representative. T.J. encouraged our entire group to join CSI and get involved. I understood membership would help with my networking opportunities, but I had no idea what an incredible opportunity for personal development there would be for me.

Prior to T.J.'s recommendation my only real exposure to CSI was Mr. Ken Searl's poster campaign, "Expose Yourself to Specifications." At that point I understood the organization existed and had something to do with specifications for buildings. Oh... and that CSI had a great substitution request form. Later, I had come to look forward to Ken's BS by KS articles, appreciating his ability to put words to the many products and methods of construction and the development of specifications.

With no idea what was in store for me, but committed to joining CSI, I checked out the Institute website and found Lee Kilbourn listed as the Portland, Oregon CSI Membership Chairman. This was very beneficial, and at the time seemingly selfish, for it gave me an opportunity to introduce myself and company to someone at one of the largest architectural firms in the area. Ever since, Lee has been a great mentor to me. His guidance by example, wealth of knowledge, and dedication to the organization has helped me continuously seek perfection and improvement in myself. I know I'll make mistakes and I rely on Lee to help me understand them and get back on track.

At the first CSI dinner meeting I attended, I was fortunate enough to be greeted by Igo Jurgens. He had recognized me as a new member and took the time to introduce himself. Mr. Jurgens was very helpful explaining the organization. Igo encouraged me to join a committee to realize the most from my membership. I am so glad Igo caught me when he did; it may have been months or years before getting active.

During this same dinner meeting back in 1999, Cherie McNabb was being honored with the Al Hansen Memorial Award. During her acceptance comments to the audience Cherie's main comment, besides obviously being humbled by the award, was "Get involved. It will be good for you and your business." Her words are still so true and clear in my mind today. I cannot agree enough. Cherie has been a great leader, offering to help and go way beyond the call of duty, and at times I am sure prioritizing CSI above work.

When it comes to writing and speaking, I think of Jody Moore as an incredible mentor and friend. I am aware I still have a lot of room for improvement. However, Jody gave me the opportunity to try writing and speaking when it would have been easier for her to do it herself. Working on the Programs Committee with her was very enjoyable and educational. Jody explained what she was looking for in an article, even helping me right at her computer with editing. And she taught me the value of rewriting, always inspiring me to write a good hook! She is so positive and always offers encouragement. I am sure I would not be where I am without her help.

I have to especially thank Mr. Jim Wilson for his confidence in me, recommending that I get more involved with the Programs Committee and later suggesting that I consider applying for a board position. Jim always offers guidance and willingness to assist. I am very fortunate to have had the opportunity to serve on the board with Jim and value his friendship.

While on the board I have been fortunate to have the opportunity of working much closer with Mr. John Lape and Mr. Rick Heiserman. Only then, I realized John's and Rick's commitment to the betterment of CSI. Both individually offer incredible examples of public service to CSI! You are both great mentors. Accomplishing only a fraction of your results would be very fulfilling.

For an incredible sense of ability to share life experiences and feel like you connect, Edith Washington has been an inspiration for me from the first time I heard her speak. There is nothing I can say to do her justice. Just don't miss an opportunity to hear Edith speak. I have enjoyed all three opportunities I have had and look forward to the next.

Our immediate past president, Dennet Latham has been such a great leader. He has set a great example of how to work with and stimulate the committees to accomplish so much as a group. During Dennet's term as president we experienced some of the most successful events during this past year, including the very successful NW Region Conference. Dennet, your vision, dedication, and continued efforts have paved the way to a very bright future for our membership.

I am very fortunate to know Perky Kilbourn. To me she is a shining example of public service without thought of herself. Perky is always willing to help wherever needed, offers ideas, and her contribution to the *The Predator* is invaluable. Perky, thank you for your continued support. It is not only myself, but most of the Portland, Oregon Chapter CSI that has been touched by your efforts.

I want to give a very special thank you to all of the committee chairs and volunteers of the Portland, Oregon Chapter CSI. Your efforts are what make it all happen for everyone.

I look forward to many more opportunities for mentors and unsung heroes to make an impression on me.

Thank you to all of you for making a difference in my life!

Hopefully you will have an opportunity to thank someone in your life that has made a difference for you.

2 **Happy Holidays!**

CSI CERTIFICATE/CERTIFICATION EXAM NEWS

2007 Exams - Early Registration Deadline Quickly Approaching!

Early bird registration deadline for CSI CDT/CCS/CCCA/CCPR exams is December 1, 2006. Save \$60-65 off regular exam price when you register by the early bird date. Register for the exam online at www.csinet.org.

CSI Certificate and Certification Programs Benefit Everyone:

- Certificate Holder - Professional development and career advancement
- Employer - Proof of Expertise
- Client - Improved confidence in team players involved in the documentation process.
- Profession - Connect team players through common language and knowledge of documentation

The Construction Documents Technologist (CDT) certificate program is a rigorous and comprehensive course of study based primarily upon the Project Resource Manual - CSI Manual of Practice and CSI Masterformat, 2004 edition. The certificate represents the holder's knowledge of construction project participant relationships, construction document organization, and the different phases of construction project cycle.

Obtaining the CDT certificate is the first step towards meeting the eligibility requirements for the other CSI certifications:

CCS - Certified Construction Specifier

CCCA - Certified Construction Contract Administrator

CCPR - Certified Construction Product Representative

CSI Portland Chapter offers CDT Study Classes

On Wednesday evenings, starting January 31, 2007, Portland Chapter members that have previously obtained certification will offer a series of 8 study classes leading up to the March 31, 2007 CDT exam. These classes will be held at the Port of Portland Offices at 121 NW Everett Street, from 6:00 pm to 8:00 pm. **Cost to register for the entire series of classes is \$100 for CSI members; \$150 for non-members. Students (full time student in a construction related curriculum) may take the classes for free. To register for classes, contact Jane Phifer at Portland CSI, 503-805-2500 or by email at jane@portlandcsi.org.**

Study Materials: The CSI Portland Chapter has a limited number of these documents for sale at the following prices:

Project Resource Manual – CSI Manual of Practice: \$193 for CSI members; \$250 for nonmembers

MasterFormat 2004: \$90.00 for CSI members; \$125 for nonmembers

(These prices represent a 20-40% savings over prices available through the Institute bookstore).

Important Dates to Remember:

Nationwide Exam Date: Saturday March 31, 2007

Exam Early Registration Deadline: December 1, 2006

Exam Final Registration Deadline and start of CSI Portland Study Classes: January 31, 2007

For more information on the exams, visit www.csinet.org/certification. For more information on the study classes, contact Portland Chapter Certification Chair, Christine Steel, at 503-944-7367 or by email at christine.steel@portofportland.com.

PERKY'S NOTES

By: Perky Kilbourn, CSI



Note #1

“*Finding Common Ground in the U.S. Math Wars*” by Jeffrey Mervis in the May 19, 2006 issue of SCIENCE interested me. Perky did not realize there was a Math War between the professional mathematicians and the math educators. They have now agreed to a truce and

hope to work together to improve U.S. mathematics education. The areas of agreement discussed in the article include:

Automatic recall of basic facts – Perky assumes the two groups agree that students still need to know their multiplication tables.

Judicious use of calculators – If a student is learning long division, the student should not be able to use a calculator to simplify the task.

Fluent use and understanding of basic algorithms – The how and why of the basic algorithms (addition, subtraction, multiplication and division) of whole number arithmetic work.

Fractions as a foundation for algebra – Addition, subtraction, multiplication and division of fractions.

Careful choice of real-world problems – Story problems should require some logical thinking on the part of the student. The problems should be practical and utilize basic algorithms of addition, subtraction, multiplication and division.

Teachers at the core of good instruction – Mathematics teachers, should understand and be able to communicate mathematical algorithms to their students. Schools should hire mathematics teachers and not just expect the english teacher to also teach mathematical algorithms. Unless, of course, that english teacher was also qualified to teach the mathematical algorithms.

Mathematical knowledge for teaching – National Council of Teachers of Mathematics (NCTM) is creating suggestions for topics which should be addressed in kindergarten through the eighth grade. In addition there are summer institutes for class room teachers whose grasp of basic mathematics may be poor or in need of improvement.

Note #2

The article “*Cleaning up the Restroom*” by Nate Kogler in the August 2006 issue of The Construction Specifier delighted me because of the accurate discussion of microorganisms in commercial restrooms. Perky has had students, who were taking her Saturday Academy class, test their home restrooms for microorganisms. Once, when the students discovered there were no microorganisms cultured from their home restrooms, the students became detectives. If the person who was designated to clean their home restroom had just done the cleaning, just before the test for microorganisms was performed, there is a high probability that no microorganisms would be found. Antibacterial soaps are effective – a person just needs to use the antibacterial soap.

As discussed in the article, continuous cleaning of commercial restrooms is often not feasible so the next best thing are the “touchless” fixtures. Specifying higher capacity towel or multiple roll toilet tissue dispenses is an excellent idea. While on the subject of restrooms Perky wants to remind specifiers (who do not happen to be female) that women need more lavatories than men do in a public restroom. To confirm this requirement, go to a public event where many females are present and note the length of the lines which have formed outside the Women’s Restroom during the intermissions.

Note #3

The final article is “*U.S. Engineering at Crossroads*” by Tim Studt in the September 2006 issue of R & D Magazine. (Research & Development Magazine). Studt advises that India and China are ahead of the U.S. in terms of who would have the best engineers in 10 years. U.S. engineers tend to be paid more and work fewer hours than engineers from other countries. The result of this phenomenon is that U.S. companies are frequently outsourcing their engineering work to Asia. Many U.S. engineers may not want to improve their situation – they are happy with their position and their compensation levels. Studt concludes by stating that car companies are buying technology licenses from companies like Toyota. Consumer electronics products are manufactured throughout Asia. China has pledged to have a man on the moon within the next 10 years.

Perky hopes she covered a diverse enough number of topics that everyone will find something of interest.

MEMORIES OF AN EARLY

WREN'S WESTERN OUTPUT

By: Richard C. Ehmman, FCSI

Back in the days BC (Before Computers) and BCP (Before Cell Phones) architects had a cadre of specialists in specification assistance who made regular rounds to our offices. They usually started with a joke or two and then got down to business showing us the latest in their particular specification division. They were always available when a detail needed a critique or a question of who did what in what order needed to be clearly stated.

The beauty of this kind of help was that the rep., more often than not, had worked his way up in the trades involved from helper to journey man. This made the advice given on their parts of the specs well worthy of our trust and we learned much from them.

One particular such man comes to mind: Al Hansen, the Lath and Plaster Bureau representative. He was either a charter member or joined very soon after the chapter was formed. There was nothing about plaster with which he wasn't thoroughly familiar. He might likely have invented the method or treatment himself in the first place! He was pushing 80 at the time, as I recall.

As an example of his expert and varied talents, he was asked to work with a couple of his old retired plasterer pals when work started on remodeling the old Hoyt Hotel in the early '60's. It was located in the area of the bus terminal near Union Station and had been used for overnight accommodations for trainmen.

The re-do required repair of existing plaster trim, cornices and moldings, but with the addition of many fluted plaster columns and Ionic and Corinthian capitols that had to be cast. Al and his friends were the only ones left who still knew how to do that kind of work and they rose to the challenge. The results were gorgeous and the Hoyt was a showplace for many years. The Chapter held dinner meetings there for a couple of years.

Al became membership chairman and the chapter grew. Somewhere in there we received the Institute annual award for "Greatest Chapter Growth". He was a hard man to say no to and he made it show in our membership numbers. I think Lee Kilbourn followed his example and has kept the ball rolling.

Al was also skilled in woodworking as the forms for casting and forming plaster was all hand made of wood way back then. He made a beautiful turned gavel for the President to use and also a podium to be banged upon. They may have been stored somewhere when the new office was set up and, hopefully, they are not lost. Al was a good friend and loyal member of the Chapter, sorely missed by all of us fortunate enough to have received his help over the years.

Richard C. Ehmman FCSI '69 Charter Member '59

By Annette Wren, FCSI, CDT

Let your life shine as an example! It is that time of year when this column gives this message of encouragement. You are the solution on this planet! You can be a positive example for children and others. In particular, children need to have examples in their lives that are exemplary and the best in humanity. How do you provide a good example? That answer is within you! You are the answer! You are the messenger! You are the one! How do you do this?

"Let your life shine as an example!" Every day you serve as an example whether you know it or not. You serve as an example of your "being" to everyone in your presence. You observe others as well. In fact, we live by example. You really do not have a choice about being an example. Everyone is watching everyone else. Choose to live in a graceful, positive manner. Let your life shine as an example!

Let your life shine as an example! You need to be responsible for your own experiences. You need to create a positive life example in your own way. As I have written many times, the quality of your life can speak for you. Keep your standards high. You can live your life and conduct your business in a positive manner. You do not need to do extraordinary things to be a good example. Choose to be a positive example for others in whatever you do and encourage others to do the same. Choose to be an exemplary human being by living your life with dignity and grace. Let your life shine as an example!

Let your life shine as an example! Resist the trend of intolerance that plagues our society. America always shines as a positive example for other countries. America stands for tolerance and acceptance of different points of view. There are misguided persons who wish to destroy our way of life. When we turn on each other with intolerance, our enemies are thrilled that we save them the time and effort to create dissension in our country. It would be a very boring and meaningless country if we all agreed with each other. For those who still choose to criticize their fellow Americans for differing, non-threatening points of view, I will pray for grace to enter their hearts. The greatest spiritual teachers that our creator has sent to Earth have all preached tolerance. Let's be tolerant of other points of view. **Let your life shine as an example!**

Let your life shine as an example! There is something very powerful that you can do. You can pray or meditate per your faith for a positive and peaceful resolution to issues in our communities. My belief is that there can be a shift in consciousness when a critical mass of positive, like minds comes together. Your mind is the most powerful tool that you have. You are powerful! **Let your life shine as an example!**

NOVEMBER MEETING RECAP

By: *Perky Kilbourn, CSI*

The topic was "Eight Project that almost changed Portland's Skyline" - that is projects that never got built. Stephanie Basalyga, the Commerce Managing Editor was the Moderator of the panel of architects who had projects that never got built.

The first architect was Robert Oshatz, who advised that in 1973 his design for the Duniway Plaza office building and condo was to be built where the Metro Y is now. The structure stepped up the hill and Oshatz tried to make the structure part of the landscape. Then Oregon Pacific Lumber Company backed away from the deal. Quoting from the article in *COMMERCE* "The company said 'Why spend \$500,000 to share a building when we can do one of our own.' Oshatz recalls." Oshatz was then asked to design a new building for Oregon Pacific Lumber Company on a site in Wilsonville. This building was multipurpose with a place for truck loading as well as offices for management - a true corporate headquarters. With the sale of Oregon Pacific Lumber Company, the plans were shelved because the purchaser did not need a headquarters building.

In 1978, Oshatz was asked to design the C. A. Bright Tower which could be used by the people of Portland. Merchants would display their wares at street level. Tenants were offered different sizes of floors for whatever they wanted or needed. The design addressed environmental concerns with every floor having sun control shading. There were covered areas at the plaza level, which covers used colored glass shades. The project was not built because of the death of the developer for whom the project had been named.

The second architect, Chris Linn, discussed his pre 9/11 project for Paul Allen. The idea was to take down the Red Lion Hotel and make corporate headquarters. It was designed to look at the coliseum and one idea was to have a Veterans Museum underneath it. Another of Allen's ideas was to have ships for each of the projects he was interested in. For example, put a museum on one ship and live on another. Allen did in fact have a luxurious ship built for his needs. Linn did the original Master Plan for The Light Rail terminal at the airport. Ralph Stanley of Bechtel Corporation and a major league baseball team were the developer. The developer had previously had built a cinema theater in Seattle. When Stanley learned he had terminal cancer he stopped his support of the project. The developer continued with the project but the project was considerably scaled down from what it once was.

The Standpoint on Southeast 12th Avenue near the intersection of Belmont Street was the second project which Linn had designed which he discussed and which was not built. The Standpoint was designed to become Portland's

first multi-unit residential building to earn a LEED Platinum rating. It was just days away from going out to bid when the investor James suffered a fatal heart attack. With the loss of its main investor the Standpoint project was gone.

Stuart Emmons did a Master Plan for the South Waterfront Area. He also designed the buildings to fit on the streets of the Master Plan. There was a green street with bioswales down the middle of the street. There were to be small town houses with High Rise buildings behind them. Another of his building which was never built was a Fire Station in Old Town. The Building would have been open with courtyards and alleys so children could walk from their Day Care Center to the Fire Station. Another unbuilt project was for OHSU for the School of Medicine. Their project was to take over the Library and build another building behind it. In addition they had plans for an MRI building in the OHSU campus in Hillsboro. On Martin Luther King at Gateway he had plans for a restaurant with affordable townhouses behind. Fremont Street at MLKing Blvd, he designed a building that was in keeping with MLKing the man.

Nancy Merryman discussed the Linus Pauling Center for Science, Health & Peace. Linus Pauling grew up in a house on 39th and Hawthorne. The program was to take the block with the house on it and add new buildings which fronted on 39th Street including a Science and Technology bookstore and a library. The design kept the housing on the rest of the block. There would be new houses for the visiting researchers who would have freedom to imagine all sorts of things. The construction would protect the neighborhood. The project never got off the ground.

There was then a question and answer period and the program concluded with a discussion by David Bragdon of Metro on the Built Environment. Olmsted came to Oregon in 1904 and provided a plan for Portland to remain a liveable city. As might be expected many parks and greenways were suggested:

1. Mt. Tabor boulevard from Ladd's addition to Mt. Tabor Park
2. North Fulton Park tied to North Macadam
3. A series of city squares with one in front of the Union Station.
4. A Hawthorne Park
5. A Columbia Slough Park.

Portland did get some money to purchase land and implement the Olmstead Plan of 1904. Apparently Metro has been doing a good job because the last ballot measure was passed. The measure received a 60% approval vote so Metro can continue to acquire land for parks and other public purposes.

In conclusion, a most enjoyable meeting.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA503-245-7100
Ankrom Moisan Associated Architects

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Dennet Latham, RA, CSI, CCS503-872-4539
CH2MHill IDC

Secretary

Erica Bitterman-Ryon, CSI360-567-2910
Precision Images

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Ford Graphics

Executive Director

Jane Phifer, CSI503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

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Clark/Kjos

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Skip Brown, CSI, CCS503-827-0505
WPH Architecture

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Fred Herbold, CSI 503-445-7389
SERA Architects

Director, Industry 2006-2008

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI 503-720-3005

By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

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Kaye Kloster, CSI503-227-3424

Publicity

Jane Phifer, CSI503-805-2500

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Fred Herbold, CSI, CCS503-445-7389
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Student Affiliate

Rudy Barton503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA

Ph: 541-485-1700 Fax: 541-683-7722

Email: tomde@wildish.com

Wildish Standard Paving

PO Box 7428

Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS

Zimmer Gunsul Frasca Partnership

Ph: 206-521-3506 fax: 206-623-7868

awhitacre@zgf.com

925 4th Ave. #2400

Seattle, WA 98104

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA541-485-3970

Awards

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Cook Inlet, Anchorage, AK (Third Tuesday)

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Idaho, Boise, ID (First Tuesday)

Steven Turney, CSI, CDT208-345-8872

Big Sky, MT

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December 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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24	25	26	27	28	29	30
31						

12/5
12/12
 12/14

CSI Board Meeting, *Noon, AIA Office*
CSI Chapter Meeting - *AFO's Citizen of the year 2005, Toy drive*
 CSI Specifiers Share Group Meeting, *Noon, ZGF*

MERRY CHRISTMAS!!

January 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
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28	29	30	31			

1/2
1/9

 1/11
 1/22
 1/25

CSI Board Meeting, *Noon, AIA Office*
CSI Chapter Meeting - *Economic Forecast, & new member orientation*
Princeton Ballroom (joint with American Society of Professional Estimators)
 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 Membership meeting, *Macadam bar & grill, Noon*
 CSI Specifiers Share Group Meeting, *Noon, ZGF*

New Member Orientation at the January 9th Chapter Meeting.

February 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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4	5	6	7	8	9	10
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2/13
 2/19

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CSI Chapter Meeting, LEED Update, Princeton Ballroom
 CSI Membership meeting, *Noon*



Knowledge for Creating and Sustaining the Built Environment

Volume 46, Issue # 5

January/February 2007

Portland Chapter - The Construction Specifications Institute

How to be Successful Applying the LEED® Rating System February 13, 2007

C.S.I. Portland Chapter Phone: (503) 805-2500 Fax: (503) 587-0337 E-Mail: jane@portlandcsi.org Web site: www.portlandcsi.org Web site: www.csinet.org



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LEED has been in the marketplace for over six years now and has made major inroads in the design and construction industries. More than 500 projects have been certified under the LEED Rating System with over four thousand registered for certification.

Join Construction Specifications Institute (CSI) for a LEED update presented by Green Building Services, Inc. (GBS), including LEED for New Construction (LEED-NC), LEED for Commercial Interiors (LEED-CI), LEED for Existing Building (LEED-EB) and LEED Application Guides. GBS has successfully managed the certification of twenty-five projects with more than 90 in process or with certification pending. In addition, GBS is one of only nine teams on contract with the US Green Building Council (USGBC) to perform certification reviews on LEED-NC project applications.

Topics will include:

- Direction of the USGBC
• LEED Product Updates
• LEED Accreditation Exams
• Lessons Learned from Local Projects (The Armory, OSU Kelley Engineering Center)

Following the LEED update will be a Q&A session on where LEED is heading and how it is working in terms of transforming the built environment.

Presenters:

Elaine Aye, IIDA, LEED AP Principal, Green Building Services, Inc. & Richard Manning, AIA, LEED AP Principal, Green Building Services, Inc.

THE PRINCETON BUILDING BALLROOM
614 SW 11TH AVENUE
SOCIAL AT 5:30 PM
DINNER AND PROGRAM 6:30 PM

COST: \$30.00 PER PERSON WITH PRE-PAID RESERVATIONS BY FEBRUARY 8, 2007, SPONSOR A TABLE FOR 8 FOR JUST \$230.00
ASSURE YOUR SPOT FOR THIS SPECIAL EVENT! SEE ENCLOSED EVENT RESERVATION
Late reservations - and walk-ins (as available): \$40.00 per person

TO REGISTER GO TO WWW.PORTLANDCSI.ORG

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Time for CSI Members to go to the Polls!

In February members will receive their annual ballot requesting affirmation of a forward thinking major enhancement to the Institute Governance. Equally as important in the wake of this potential declaration, the ballot provides us the unique opportunity to send two of the most committed and qualified individuals of the organization to

the executive board.

As many of you heard proclaimed and then cheered for at our Holiday Dinner meeting December 12th 2006, Mr. Richard Heiserman FCSI, CCCA, AIA of Ankrom Moisan Associated Architects graciously announced his candidacy for Institute Vice President, Professional. Equally as exciting for our NW Region, Rick also acknowledged Co-Duck, Mr. Tom Deines FCSI, CCCA of Wildish Standard Paving, Inc. as candidate for the parallel position of Institute Vice President, Industry. So our chapter, one of the largest in the organization, has the responsibility to make a major showing in the polls. I urge everyone to quickly send in your ballot when you receive it or simply go online and utilize the Institute's convenient balloting service. We all have the ability to unite and do our little part of acknowledging the many years of service by Rick and Tom by supporting these two capable and incredibly devoted individuals.

Tom and Rick's hopeful affirmation to their executive positions come at an incredibly important time. They would have the opportunity to govern during a potentially key transition into a new era for CSI. I am sure many of you have heard the Institute Board of Directors in November unanimously approved sending a revision of the Institute governance policy to the membership for ratification.

The Institute has smartly established a forum and many resources on the website for membership to review and study. Allowing us as individuals to connect and do what we do best; collaborate, share experiences, and come up with the best solution for the industry! There are many views and lots of information being shared with hundreds of posts in the forum and thousands of views. This is admittedly a very hot topic.

Here is a basic recap of what I understand. The major issue is the proposed revision to the number of board members. Currently the board is comprised of nine executive members and twenty region directors for a total of 29 positions. As you might imagine this size board has been at times cumbersome to coordinate and difficult to initiate necessary changes and decisions which will provide timely progress for the Institute to stay a leader in the ever increasing speed of our built environment. On top of that the cost of supporting this many directors have been financially draining. The solution is to reduce the size of the board to 12 members. This is an executive committee alone focused primarily on the needs at the institute

level. The Region Directors would therefore be excused from the often times daunting task of balancing the needs of the Institute vs. their Region. Region Directors would then be able to focus their attention on their local region's needs, providing an enhanced level commitment and service.

Similar to many other forward thinking organizations and entrepreneurial companies two members of the new executive committee would come from non-CSI membership in order to keep focus on the industry, direction, needs, and ultimately increasing the potential for new ideas.

The other nine membership elected positions would come from the process of each region sending nominations to the Institute Nominations Committee for consideration and placement on the annual ballot.

Finally continued position of the non voting Executive Director would make up the twelfth member. To assist you in beginning your research on the issue, I have included links to some of the information below.

Letter to Members Describing the Governance Recommendation

http://www.csinet.org/s_csi/docs/13800/13703.pdf

Proposed Board-Recommended Bylaws-Overview

http://www.csinet.org/s_csi/docs/13800/13707.pdf

Governance Recommendation – Detail

http://www.csinet.org/s_csi/docs/13800/13708.pdf

FAQ on Recommended Governance Change

http://www.csinet.org/s_csi/docs/13800/13710.pdf

Transition Chart

http://www.csinet.org/s_csi/docs/13800/13745.pdf

Governance Elements (PowerPoint)

[http://www.csinet.org/s_csi/docs/13900/13867.ppt?](http://www.csinet.org/s_csi/docs/13900/13867.ppt?Doc-)

[Doc-](#)

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This is a very important issue, I urge everyone to research as much of the information as you can spare time for and then cast your vote! Make sure to support Rick and Tom for the board to take care of the business of CSI and its future on our behalf.

Deadlines!

Portland Chapter's CDT prep class series starts January 31, 2007
Registration for March 2007 CDT exam January 31, 2007
Institute ballots due by March 15, 2007
2007 Portland Products and Services Fair booths are now available, register soon to reserve your favorite spot.

MEMBERSHIP & YOUR RIGHT TO VOTE, LET IT COUNT

By: RW Simmons, CSI, CDT, MAI, Member, Institute Membership Committee, Northwest Region Membership Chair

As a member Institute Membership Committee and your Northwest Region Membership Chair of the Construction Specification Institute, I have asked our membership and membership team to participate in Chapter, Region and Institute functions. As a CSI member, your volunteerism and voice is very important to the success of our organization. Let your voice be heard on the up coming ballot for Institute offices that are open, Rick Heiserman Vice President Professional, Tom Deines Vice President Industry, RW Simmons Institute Director Industry and most important write in Candidate for CSI President Carole Schafemeister, FCSI, CDT, current Institute Secretary, Past Vice President Industry and Institute Director Industry, and The CSI Governance structure revision proposal by voting. Let your vote count. Please vote for these members and the new Governance structure for the good of CSI.

By now every CSI member has received a copy of the governance revision proposal via e-mail, fax or mail. What the governance structure revision means is that the current CSI board is too big and cumbersome to react to our membership needs in a timely manner. The officers and directors voted unanimously at their last board meeting to propose to the membership a restructuring of the Institute Board of Directors.

The proposed board will consist of:

- Reduce the size, and composition, of the Institute Board from 29 to 12 members, the new board will comprise of the following:
- 5 officers, President, President-elect, Secretary/Treasurer, and two Vice President (one Professional and one Industry/Associate), will be elected by the entire membership. The vice presidents, secretary/treasurer will serve two-year terms, the president and president-elect will serve one-year terms.
- 5 member directors elected by the entire membership, serving three-year terms.
- 2 at large directors will be appointed by the board from the business community, serving two-year terms. The Executive Director (CEO), a non-voting member of the Board.

There will no executive committee. Officers and directors will meet and act as the single governance body of the Institute.

The current size of the board is cumbersome and costly, and inhibits efficiencies, responsiveness and flexibility. To take advantage of opportunities, CSI must become an entrepreneurial creator of ideas that will meet the challenges of our evolving construction industry.

Your **vote** is vital. Let your voice be heard. Every CSI member will receive their ballots soon, please take the time to vote, fill out your ballot and send in by fax or mail. You can even vote on line www.csinet.org.

The proposal will go into effect July 1, 2010 if passed.

PERKY'S NOTES

By: Perky Kilbourn, CSI



This will be a report on ZOO ANIMALS. A member of our church is a Zoo Keeper. In December she organized a trip to the Zoo. I attended with my daughter, Ellen Onstad, CSI, CDT and my granddaughter, Malika. I used pictures which Ellen and Malika took at the Zoo for our Church Newsletter

The Zoo Keeper purchased the DVD March of the Penguins and we saw it at a "Beat the Winter Blues" potluck at the church. The Zoo Keeper loaned me the DVD after I promised to bring it back. I especially wanted to see the section on the people who had made the movie. These people provided additional information that was not in the movie. Points I found of interest both from the movie and the section on the people who had made the movie.

First - why do the penguin's march? To get to a central valley which is protected from the wind and where the penguins can mate, lay eggs and stay until the young are old enough to live on their own,

Second - I know (though I am just a human) going through snow is difficult and I suspect it is also difficult for penguins. It is probably easier to have one penguin make the trail and the others follow in the leader's tracks. Apparently, the leaders trade off when they get too tired.

Third - The male penguins get to keep the eggs warm while the females "go fishing". Apparently, the transfer of the egg needs to be done quickly or the egg will freeze and the egg will not mature into a penguin. The DVD showed an egg which had been frozen.

Fourth - When the mother has had her fill of fish and returns to care for the young penguin, it is the father's turn to "go fishing". Some baby penguins may also be lost at this stage because the transfer is not made quickly enough. Also flying predators (I forget the name of the bird) find young penguins very tasty.

Fifth - When the fathers come back from their fishing trip it is time to help lead the young penguins to the water, which by this time is only a short distance from this interior valley - because the ice has fallen off - melted away.

Sixth - While doing the photography in the valley, the two persons who did the photography got caught in a blizzard coming back to their base camp. They received significant frost bite on their faces and hands. I can remember my hands and feet getting frost bite or chill banes while walking to school in the cold as a child. I know that my hands and feet were uncomfortable after they got frost bite. After seeing the hands and faces of the photographers I imagine they were also very uncomfortable.

Seventh - When the two photographers went out the first time they found that the penguins were not afraid of them and were really curious about what they were doing. The photographers commented that they were delighted to find wild birds that were not afraid of humans. There were pictures of the penguins examining the photographic equipment.

Eighth - There was some philosophical discussions about why the penguins do what they do - survival of the species. It is also very difficult for the males to survive with the eggs because of the storms which will occur. The male penguins, in their nesting huddle, need to keep moving to keep from freezing and some can't make it. Some times the whole colony of male penguins will move because their excrement has accumulated. They showed views (taken with a camera hanging from a balloon which camera and balloon they could control) of the colony of male penguins moving. The photographers also commented about the odor from the colony of penguin. I can imagine it would be similar to the odor from the Sea Lion Caves here in Oregon - where sea lions are living with their excrement.

Ninth - I kept thinking of the movie Happy Feet which I had seen with Ellen, her husband and our granddaughter during the Christmas school break. Both movies seem to portray the penguins like the canary in the mines - when the canaries stop chirping and ultimately die, the miners should get out of the mines. Similarly when the penguins population is reduced then it may be too late for humans to do something about global warming - the ice pack reduction.

Tenth - I will tie these notes to the Construction Industry by noting that the Construction Industry should be concerned with global warming. Specifications Writers, Architects, Engineers and Contractors should talk to those they work for (the owners) about making an effort to reduce global warming and prevent the reduction of the penguin population due to a shrinking Antarctica.

JANUARY MEETING RECAP

By: *Perky Kilbourn, CSI*

2007: Pregnant with Possibility

Notes from John Mitchell's talk (with PowerPoint) to the January CSI Meeting

Mitchell's first slide showed that the housing was down 7% while Non-residential construction was up 13.6% on the basis of Census Bureau of **Construction Put in Place 2006 Year to Date November**. This is the sixth year of the upturn which started in 2001. Unemployment is low (at 4.5%) and there is a year old housing market contraction, so a person's net worth is increasing. Energy prices were off from a high this summer and there is an inverted yield curve of short term and long term interest rates (short term rates are higher than long term rates; perhaps meaning banks have no confidence in the long term).

The recession ended in 2001 and the economy has been growing since then, but Mitchell suggested that we need to look at the details. The non-residential construction is growing while the housing starts are declining. Federal spending is rising as are exports but exports still do not offset imports. The effect of decreased housing starts is pulling down the GDP (Gross Domestic Product). The labor market is still strong and may get stronger. The weakness in the economy is related to things which are used in housing construction - lumber and wood products. The Consumer Price Index is down and seems to be steady. There is a drop in energy prices. PPI inputs to construction industries - an inverted yield curve, which has come before the last few recessions. The Feds are going to look at data before changing interest rates with no change as long as inflation o.k. and unemployment is low.

Mitchell showed the two opposing forces at work on the economy; Headwinds (what is slowing the economy) includes cost of Housing/Autos, Energy Shock - cost to heat and/or cool your home, ARMS adjusting and possible unknown or unforeseen problems. Tailwinds (what is pushing the economy) which include Global Growth (which is strong), falling energy prices which will boost when U.S. starts buying energy again because of future colder temperature and the gains in net worth.

Mitchell asked some questions about the Economy

1. How will the housing connection play out? Lower wood and lumber product demand if slow housing construction continues.
2. Will business investment and trade hold up?
3. What does the (interest rate) inversion mean? What is the bond market going to tell us?
4. Will energy bite us again?
5. How tight are labor markets?
6. What is the speed limit? Is the U.S. economy slowing down?
7. Will financial conditions remain supportive?
8. Policy Changes? Energy? Immigration? Trade? Entitlements? Taxes?
9. Changing the Unsustainable - in 356 days first boomer draws Social Security

OFHEO Housing prices have appreciated in five of the six largest towns in Oregon more than the national average. The Net Worth of households and nonprofits is decreasing because of increased financial assets not housing. How does the housing effect the economy?

1. The Construction of new homes will decline so the inventory of houses which are for sale will be reduced.
2. The available house will become more affordable, with lower prices, lower rates of interest and increased personal income.
3. People will change their expectation - previously people may have held off purchasing because felt price may drop. People will take a house off the market because they can't get what house used to be worth

In conclusion there are a lot of unknowns.

(Continued on page 6)

JANUARY MEETING RECAP (Continued)

There is a change in the Annual Average Labor Force Growth Rates from 1984 to 2014 on the basis of BLS (Bureau of Labor Statistics). There was a decrease of 1% in the population growth rate of 16 to 24 year olds in 1984 to 1994 time period while the number of 55 *plus* workers showed a 0.4% growth rate increase for this same time period. The 16 to 24 year olds are expected to be at 0% growth rate increase in 2004 to 2014 time period with the 55 *plus* workers are going to have a projected 4.1% growth rate increase. The 25 to 54 year olds will go from a 2.3% growth rate in the 1984 to 1994 time period to a 0.3% growth rate in 2004 to 2014 time period. This means that the majority of the labor force increase is going to be in the 55 *plus* range - that is - the population in general is going to be getting older.

If you look at the make up of the working population there are 11.5 to 12 million undocumented aliens. The undocumented aliens make up about a quarter of the workers in many fields. Mitchell showed data from the Pew Research Report 3/2006 showing 24% of all Farm Workers are undocumented, 14% of Food Manufacturing Workers, 29% of Roofers, 21% of Private Household Workers, 20% of Cooks, 36% of Institution Workers and 20% of Computer Hardware Engineers. Thus many industries are effected by the undocumented alien. Job growth is increasing with Oregon 15th and Washington 9th. Michigan was 50th, which also correlates with house price appreciation information (source OFHEO) Mitchell showed us earlier.

Most Recent Data show population increase 1.7% for Oregon compared with 1% for U.S. Personal income is 1.4% for the third quarter for Oregon as well as 1.4% for U.S. Residential Permits are Down 13.6% but this is same as national average. The Oregon seasonally adjusted employment bottomed out in the summer of 2003 and has been increasing since then. Oregon increase in jobs were mainly in Construction, Education & Health, Trades followed by Government, Leisure & Hospital, and Professional Services.

In the long run employment growth may slow down because lumber and wood products demand will decline because housing construction is down. The Construction trends in 2007 will be because population is increasing and the population is also getting older so need more health care construction. State and local funds will help construction spending. Education emphasis is changing because usually only young people have children. The Airport will continue to expand, Hotels and Lodging will continue to increase, and Office Employment will continue to rise.

The last slide is labeled **Sustainability, Global Warming and Construction**.

The Energy Policy-Alternatives such as ethanol, chicken fat, biodiesel, tar sands, windmills and plug in hybrids are now being taken seriously and all have construction implications.

Global Warming Issue is being taken seriously by the states with California now having green house gas regulations. As with many issues, things happen at the lower levels of government and work their way up to the higher levels of government.

Power Generation and Transmission, Emissions Control, Transportation, and Density are being investigated and contain things that will need to be constructed so the Construction Industry should be kept busy.

These shifts are happening and imply continued strength in basic infrastructure and retrofitting activity.

Mitchell closed with his annual poem.

DEADLINES!

Portland Chapter's CDT prep class series started January 31, 2007, but continues through March. If interested in registering contact Jane Phifer to sign up.

Registration for March 2007 CDT exam January 31, 2007

Institute ballots due by March 15, 2007

2007 Portland Products and Services Fair booths are now available, register now to reserve your favorite spot.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA503-245-7100
Ankrom Moisan Associated Architects

Immediate Past President

Dennet Latham, RA, CSI, CCS503-872-4539
CH2M Hill

Secretary

Erica Bitterman-Ryon, CSI360-567-2910
Precision Images

Treasurer

Kaye Kloster, CSI503-227-3424
Ford Graphics

Executive Director

Jane Phifer, CSI503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

Corey Morris, CSI,503-224-4848
Clark/Kjos

Director, Professional 2006-2008

Skip Brown, CSI, CCS503-827-0505
WPH Architecture

Director, Industry 2006-2008

Bud Henson, CSI,360-600-0804
Custom Window Company

Directory, Industry 2006-2008

Mark Reeves, CSI503-283-8822
Hanset Stainless

Director, Professional 2006-2008

Fred Herbold, CSI 503-445-7389
SERA Architects

Director, Industry 2006-2008

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI 503-720-3005

By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

Continuing Education

Skip Brown, CSI, CCS503-827-0505

Golf Tournament

Erica Bitterman- Ryon, CSI 360-567-2910

Library

Perky Kilbourn, CSI503-244-1778

Membership - Co-Chairs

Lee Kilbourn, FCSI, CCS, FAIA503-417-4400
 Pat Murphy, CSI, CDT503-240-3955

Operations Guide

Ken Searl, FCSI, CCS503-362-3472

Orientation

Michael Muhle, CSI, CDT503-284-6799

Products & Services Fair - Co-Chairs

Brian Setness, CSI, LEED503-255-0190
 Ed Macsisak, CSI,503-924-4106

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Wildish Standard Paving

PO Box 7428

Eugene, OR 97401

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Anne Whitacre, FCSI, CCS

Zimmer Gunsul Frasca Partnership

Ph: 206-521-3506 fax: 206-623-7868

awhitacre@zgf.com

925 4th Ave. #2400

Seattle, WA 98104

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25	26	27	28	29	30	31

3/6 CSI Board Meeting, *Noon, AIA Office*
 3/08 CSI Specifiers Share Group Meeting, *Noon, ZGF*
**3/12 CSI Chapter Meeting - The dynamics of building acoustics,
Princeton Ballroom
 3/12 Membership meeting, *Macadam bar & grill, Noon*
 3/22 CSI Specifiers Share Group Meeting, *Noon, ZGF***

April 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

4/3 CSI Board Meeting, *Noon, AIA Office*
**4/10 CSI Chapter Meeting - Panel presentation of The Nines,
Princeton Ballroom
 4/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 4/26 CSI Specifiers Share Group Meeting, *Noon, ZGF***



Dear Products Fair Exhibitor,


We want to welcome you to register now for the 33rd annual 2007 PORTLAND PRODUCTS AND SERVICES FAIR presented to you by CSI (Construction Specifications Institute), IIDA (International Interior Design Association), AIA (American Institute of Architects), AGC (Association of General Contractors) and IFMA (International Facilities Managers Association) a strong team of construction related associations. The fair is scheduled for Tuesday, May 8, 2007 from 1:00 pm - 7:00 pm in the Oregon Convention Center - 777 NE Martin Luther King Jr. Blvd. Portland, OR 97212 Exhibit Hall 'A'.

- ◇ **BOOTH** - 10' X 10' draped, one six foot table, electricity, company sign, one parking pass and one chair.
- ◇ **BOOTH SHIPMENT** - Contact Athena at Peter Corvallis Productions
Phone: 503-222-1664, Fax: 503-222-1047
2204 N. Clark Ave., Portland, OR, 97227
- ◇ **SET UP TIME** - Monday, May 7th from 2:00 pm until 8:00 pm
Tuesday, May 8th from 8:00 am until 10:30 am.
We recommend if you have large exhibit pieces you may want to set up on Monday.
- ◇ **TEAR DOWN** - begins at 7:10 pm after the show ends on Tuesday, May 8th and must be completed by 10:00 pm Tuesday evening. Please Do Not Tear Down Early.
OCC needs to have all displays out by 10:00 pm Tuesday, May 8th.
- ◇ **QUESTIONS** - General vendor and booth info:
Ed Macsisak Cell: 971.235.2377 ~ Office: 503.924-4106 ~ Fax: 503-924-4114
Email: ed_macsisak@storageplanning.com
- ◇ **QUESTIONS** - Payment for Booth: Jane Phifer ~ Phone: 503-805-2500
Salem, OR Fax: 503-587-0337
PO Box 5116 - Salem, OR 97304 ~ Email: jane@portlandcsi.org

~REGISTER EARLY~

We hope to see you at the 2007 PORTLAND PRODUCTS AND SERVICES FAIR!
TUESDAY, MAY 8, 2007 - 1:00 PM - 7:00 PM

PORTLAND PRODUCTS AND SERVICES FAIR

FOUNDED IN 1974 BY  Advancement of Construction Technology



TUESDAY, MAY 8, 2007 1:00 PM – 7:00 PM OREGON CONVENTION CENTER

REGISTRATION – EXHIBITOR CONTRACT

10' X 10' DRAPED BOOTH INCLUDES

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

Refer to the floor plan – Booth Choice – 1st _____ 2nd _____ 3rd _____

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 1. _____ Co. _____

Name 2. _____ Co. _____ Name 3. _____ Co. _____

Name 4. _____ Co. _____ Name 5. _____ Co. _____

◊ Reserve _____ booth(s) at \$850.00 / \$725.00 (see plan)..... for a total equal to \$ _____

◊ Mini-Seminar – One hour Vendor Seminar – Include Topic of Seminar & CEU – \$200.00 \$ _____

Seminar Topic _____

CSI/AIA/IIDA/AGC/IFMA (circle membership)..... Member Discount \$125.00 – \$ (_____)

TOTAL PAYMENT: \$ _____

Accept Cash, Check or VISA/MC# _____ exp. date _____ / _____

Card holder name: _____ Address: _____ City: _____ State: _____ Zip: _____

Signature: _____

Make Checks Payable to: **2007 PORTLAND PRODUCTS AND SERVICES FAIR**

Mail checks & completed form to: PO Box 5116, Salem, OR 97304, Attn: Jane Phifer

Phone: 503-805-2500, Salem Fax: 503-587-0337 E-mail: jane@portlandcsi.org

Questions: Ed Macsisak Cell: 971.235.2377 ~ Office: 503.924-4106 ~ Fax: 503-924-4114

Email: ed_macsisak@storageplanning.com

www.portlandcsi.org

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. If cancellation is needed you will need to cancel 2 months prior to the show for a full refund. No refund will be given after 30 days prior to show.

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.



PORTLAND PRODUCTS AND SERVICES FAIR

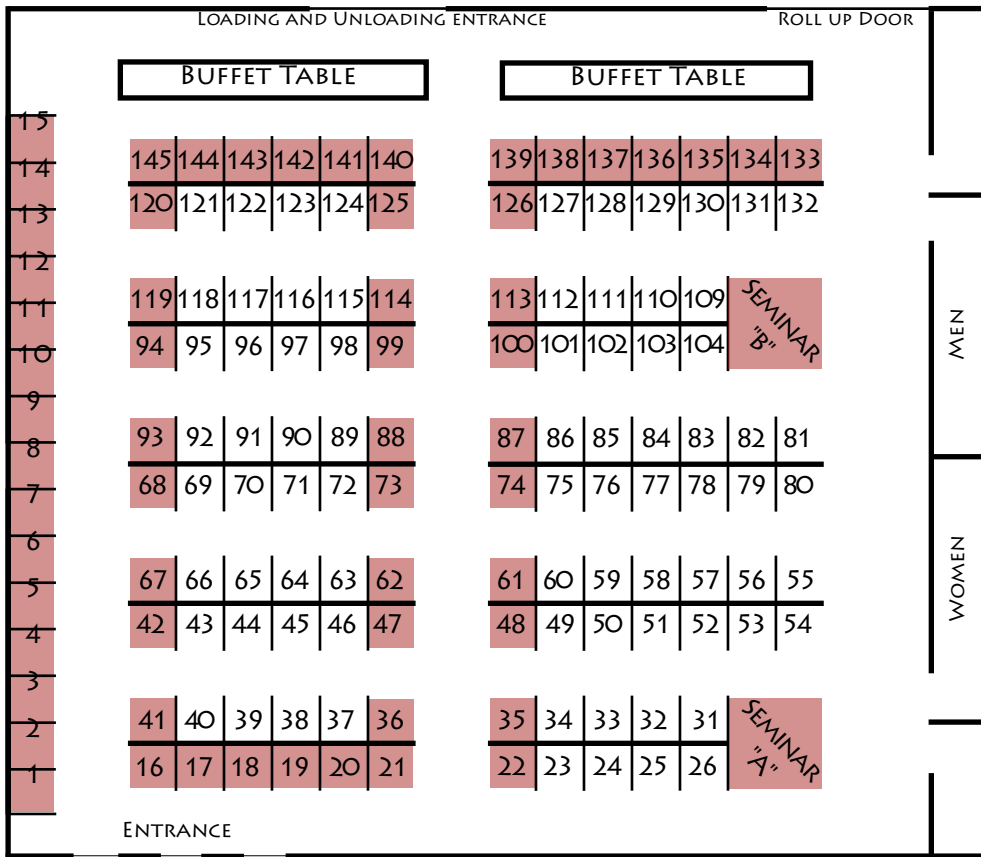
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EXHIBITOR REGISTRATION INFORMATION

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MAY 8, 2007 - 1:00 PM UNTIL 7:00 PM



- \$850.00
 - \$725.00

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503-226-6463
Fax: 503-226-2048

Vancouver, WA Office

1002 Main St.
Vancouver, WA 98660
360-567-2910
Fax: 360-567-2912

Lake Oswego Office

15800 SW Upper Boones
Ferry Rd, Building A, Suite 150
Lake Oswego, OR 97035
503-639-7858
Fax: 503-624-8434



Knowledge for Creating
and Sustaining
the Built Environment



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Portland Chapter - The Construction Specifications Institute

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



Architectural Acoustics

March 13, 2007

((((((((Reverberation
>>><<< Reflections
))))))oo... Absorption
[>>>>] Isolation

Terms sound familiar? Music to your ears? All your projects employ good acoustical solutions? Clients all pleased with their project's acoustics?

So why is noise still reported as the number one impediment to workplace productivity?

How do your projects sound? Learn more about these key acoustics terms from Tobin Cooley, P.E., president of Listen Acoustics, a leading Northwest acoustical consulting firm. You will increase your audio intuition through listening examples, and learn about new tools and techniques used in creating outstanding acoustics. Our presenter, Tobin Cooley, P.E. as been a leader in acoustics and audio systems design for clients such as Disney, Universal Studios, Sony, Nike, and Intel. He has extensive design and consulting experience in performing arts centers, corporate headquarters, churches, condos, sports stadiums, and media studios.

Tune in at our March meeting to see the latest in acoustical computer modeling techniques. Join us for a refresher on sound basics, while calibrating your ears with interactive listening examples. Play a sound game, and discover the Designers Toolbox – specific elements which can be altered to achieve intended results.

Whether you influence the design or operation of buildings, or just work in noisy surroundings, this program is for you.

**THE PRINCETON BUILDING BALLROOM
614 SW 11TH AVENUE
SOCIAL AT 5:30 PM
DINNER AND PROGRAM 6:30 PM**

**COST: \$30.00 PER PERSON WITH PRE-PAID RESERVATIONS BY March 8, 2007,
SPONSOR A TABLE FOR 8 FOR JUST \$230.00
Late reservations – and walk-ins (as available): \$40.00 per person**

TO REGISTER GO TO WWW.PORTLANDCSI.ORG

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

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PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Field Trip?

For all of us with a fascination for architecture and are in turmoil trying to plan the next vacation adventure, or if by chance you are already planning a trip some time in the next three years in which you will find yourself near one of the following destinations during these windows of opportunity, I may be able to offer a solution for your dilemma.

Oslo, Norway ~ through March 18, 2007
Brussels, Belgium
April 19, 2007 – September 16, 2007
Bloomfield Hills, Michigan
November 17, 2007 – March 30, 2008
Washington, D.C.
May 3, 2008 – August 23, 2008
Minneapolis, Minnesota
September 14, 2008 – January 4, 2009
St. Louis, Missouri
January 31, 2009 – April 26, 2009
New Haven, Connecticut ~ Spring 2010

Sounds exciting, doesn't it? A little hint of what could be in store for you in these cities during your travels: you will have the opportunity to engage your thoughts and realize inspiration from renderings, models, furniture, and many designs from the past that are timeless and extreme monumental examples of one of the most prolific and controversial masters of 20th century architecture. My employer, ASSA ABLOY, is the global sponsor of *Eero Saarinen: Shaping the Future*, a traveling retrospective of the life and work of one of the 20th century's most influential architects.

"Saarinen was the most distinguished graduate of the architecture school of all time, and was the most talented designer in his own class..."

-Robert A.M. Stern,
Dean of the Yale School of Architecture

Saarinen, born in Finland in 1910, immigrated to the United States of America with his family at age thirteen. Growing up in the community of the Cranbrook Academy of Art in Michigan where his father taught, Eero was exposed to a great deal of art and sculpture which, as you would expect, would be echoed in his later efforts and remarkable designs. Eero later went on to study Architecture at Yale University, finishing his studies in 1934.

After touring Europe, North Africa, and Finland, Eero returned to work for his father and teach at Cranbrook. He became a naturalized citizen of the United States in 1940. Eero established his own architectural firm, Eero Saarinen and Associates, in 1950. It is easy to see in Saarinen's work that he literally demonstrates his belief in the purpose of architecture.

"Architecture is not just here to give space and shelter for man, but architecture also has the purpose of marking and enhancing man's time on earth."

-Eero Saarinen

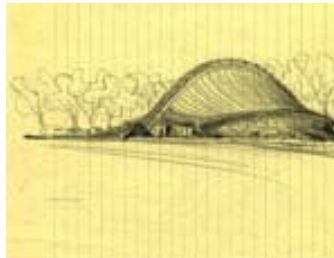
Eero's short career embodied an immense amount of work. You may recognize the major impact his work had on architecture and society from the following list of 20th-century icons: the General Motors Technical Center, the United States Jefferson National Expansion Memorial, better known as the Gateway Arch, New York's Trans World Airlines Terminal, and Dulles International Airport Terminal outside Washington, D.C.

For more information visit the official website:

<http://www.eerosaarinen.net>



United States Jefferson National Expansion Memorial, St. Louis, Missouri, under construction, 1965 From the Collections of Arteaga Photos Ltd.



Sketch of David S. Ingalls Hockey Rink, Yale University, New Haven, Connecticut, circa 1953. Courtesy Eero Saarinen Collection. Manuscripts and Archives, Yale University.

Of course, you also won't want to miss the 51st Annual CSI Show and Convention in Baltimore, Maryland ~ June 20, 2007 – June 22, 2007, which I am sure everyone is planning on attending.

Followed by the CSI Northwest Region Conference "Water: the Good, the Bad, and the Ugly" in Salem, Oregon ~ August 23, 2007 – August 26, 2007.

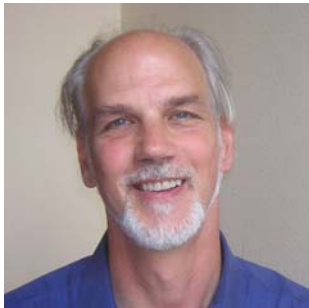
Deadlines!

- CSI Institute ballots are due March 14, 2007
- CSI Show and Convention early discount registration ends May 1, 2007
- June 19, 2007 exams in Baltimore; early registration ends March 21, 2007, registration closes April 20, 2007.
- Portland Products and Services Fair "Peaceful Coexistence" May 8, 2007. Booths are now available, register soon to reserve your favorite spot.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Fred Herbold, CSI, CCS

CSI SectionFormat™ & PageFormat™ Review of Final Draft – SectionFormat™ Call for Comments – Pre-Draft of PageFormat™



The current cycle of revisions to CSI's references and standards is probably the most significant since they were each introduced. Work began in 2001 on MasterFormat™ 2004 Edition (MF-04), which has now replaced the 1995 Edition in practice. Greatly expanded, MF-04 even looks different. In 2005 the renamed

The Project Resource Manual – CSI Manual of Practice was published. The "PRM" has expanded the scope of our consideration to facility life cycle and facility management issues.

The Institute established the SectionFormat™/PageFormat™ Update Task Team, or SPUTT, to revise both of these essential specification writing standards. SPUTT released the third draft of SectionFormat™ late last November. The comment period ended in January and publication is scheduled for June. We will review some of the significant changes. But, first, and more timely, the PageFormat™ (PF) initial comment started in December and closes **March 15**.

PageFormat™ - Comments

Specification writers and interested folks can view/download SPUTT's letter and the proposed PF graphic at www.csinet.org/sputt or view the pages in this newsletter. (pages 8 & 9).

We reviewed the PF Graphic at Specifiers' Share Group. It raised a few comments:

1. Should minimum margins dimension be decreased to conserve paper? Most reproduction machines can handle it.
2. Recommendation that "most important" information in header and footer is located at unbound edge implies opposite header-footer format on odd and even pages. This should not be a requirement until all generally-used software automates this function. We believe it is not possible with current MS Word, for example.

3. Most of our spec writers prefer the Article number at the margin, and aligning Article text, Paragraph text (level 3), and subparagraph number (level 4). This looks good, looks very organized, reads well, and possibly uses less paper.

Please take a look and forward your comments directly to me at fredh@serapdx.com or follow the instructions in the SPUTT letter. Also, as drafts are issued, we will review them at Specifiers' Share Group.

SectionFormat™ - Review

A copy of SectionFormat Draft 3 can be viewed/downloaded at the same site as above: www.csinet.org/sputt. Click on (you guessed it) "SectionFormat Draft 3."

Although the comment period has past, you should still express your opinion, if you find something wrong or objectionable. Instructions are in the cover letter of November 27, which is included in the link noted above.

The good news is that many radical changes from the first draft have been abandoned. The rest of the good news is that information is more clearly separated into the three Parts: General, which mirrors Division 01, Products, and Execution.

Assuming SF-2007 will be adopted when it is released in June, we specification writers and readers can benefit by preparing for a quick transition. Unlike MF-2004 which required a major reorganization of the Specifications, SF update should be nearly seamless. It could be implemented all at once by modifying every Section. Or it could be implemented in stages by gradually updating Sections as practical over a few months. (*opinion of the writer*)

Here's a summary of changes to look for:

- We, CSI, USA, say: "**Furnished**" and "**Field**". They, CSC, Canada, say "Supplied" and "Site."
- **Measurement and Payment** is combined in Part 1 under Price and Payment Procedures. It's a definite place for public works contracts to specify this method of compensation for specific portions of work.
- New Article **Administrative Requirements** is the new location for Coordination, Pre-installation Meetings, Sequencing, and Scheduling.

(Continued on page 5)

PERKY'S NOTES

By: *Perky Kilbourn, PhD, CSI*



Last Tuesday, February 13, 2007 was the regular meeting day for Portland Chapter CSI. Lee and I had figured we might be able to attend after flying from Florida where we had just disembarked after a ten day cruise. Unfortunately, the weather in Cincinnati, Ohio was such that our flight was canceled. We ended up flying to Atlanta, Georgia and Salt Lake City, Utah before we reached

Portland, Oregon. It was also about 5 hours later then we had originally planned.

These "Notes" are going to be about where we visited on our cruise and the things we saw which might be of interest to members of the Construction Team. After leaving Fort Lauderdale our first stop was Kralendijk, Bonaire. Lee and I took an Island Bus Tour which included riding to the part of the Island where their current Solar Salt Works are located. We were shown the huts used by African slaves who worked in the Solar Salt Works. These short stone huts were built in the 18th century with no windows or ventilation scheme and one had to crouch inside them. Fortunately, these huts are no longer in use because they sure did not look comfortable to me. Our bus then took us to the other end of the island and the Washington Slagraai National Park where the flamingos live. It was beautiful and we did see some flamingos. On our tour we passed through Rincon Village, which was established by the Spanish settlers in the fifteenth century. This village is on a defensible hilltop rather than the shore so passing ships would not easily spot them. Many of the old buildings are well preserved and painted beautiful pastel colors.

Our next port was Willemstad, Curacao and Perky did the Dolphin Encounter while Lee stayed dry and took pictures. Those of us encountering the dolphins stepped onto a shallow platform and the dolphin came over to visit. I was kissed by the dolphin as well as it allowing me to pet it. I had previously gone on a dolphin encounter but this time I was able to prove it by purchasing two pictures of me with the dolphin. One interesting bit of history about the island was that the first governor of Curacao developed a terrible allergy to the color white so all the houses were painted in colors. Quoting our handout " The dolls house look of the architecture makes a cheerful contrast to the stark cacti and the dramatic shrubbery dotting the countryside." Another interesting point is that Willemstad has a floating (pontoon) bridge (Queen Emma Bridge) which swings open many times each day to allow ships to pass into and out of the harbor. Lee and I watched this happen both with a small boat where the bridge moved just enough to let the boat by and with a much larger boat (ship) which required that the bridge be opened a significant amount. There is also a ferry which takes people back and forth but we did not ride it.

After a day at sea we arrived in Roseau, Dominica which had been largely destroyed by hurricane David in 1979. We toured the island in a van and stopped at a restaurant where we were entertained by folkloric music and dancers. We saw many of the plants which are also native to Hawaii - pointsettias and anthuriums seemed to be growing wild. Of interest to architects might be that their market for tourists was in a warehouse. The

island is composed of rugged mountains which drop precipitously into lush valleys and the island has few amenable beaches. It is an independent country and a member of the British Commonwealth. On November 3, 1493, the island was first sighted by Christopher Columbus who named it Dominca ("Sunday") to mark the day of the discovery.

The next day was spent at St. Thomas, U.S. Virgin Islands. We chose a trip to the Coral World Ocean Park. The first section at the park was the Lorikeet Garden. There were a double set of doors so the birds would stay inside and be able to fly around. The people could go in and feed the birds and the birds can not escape. The next display was an open Mangrove Lagoon followed by two circular buildings with an enclosed Marine Gardens beyond the outside walls and a place for people to walk in the center. We then took a walk down a Tropical Nature Trail by a fresh water pool with ducks followed by a tortoise pen and a cactus garden. We next visited the ocean through an Undersea Observatory and Deep Reef Tank. Lee found this structure of interest because it consisted of the central column with two spiral stair cases - one for going up and the second for going down. The walls were windows (at least double pane) through which you could see the swimming fish. Lee commented on the thickness of the walls and windows and the amount of pressure which was being exerted on the structure because of the depth of the building - we had descended about three stories. Our final visit in the Coral World was to the Caribbean Reef Encounter - a circular building with a reef on the outside wall and the central core where we stood.

Our final Port of call was Half Moon Cay, Bahamas where we rode a tender ashore and relaxed on a beautiful white sandy beach before having a barbecued lunch and then an Eco Lagoon Cruise in a glass bottom boat. Our guide told us what we were seeing in the water below us and since the guide had given us cards with colored pictures of what we might see, it was easy to identify the marine life. We passed a recreation of an Arawak Indian Village which appeared to consist of grass huts. The Arawak Indians were the first inhabitants of the Caribbean Islands. The Arawak Indians were followed by the Carib Indians from South America and then the Europeans. If you are interested in the history of the islands please let me know and I can loan you some of the literature we were given to read about each island. All the islands we visited had changed ownership several times during their histories.

I need to conclude by discussing two rather unique events which occurred on board the M.S. Masdam. First was an Indonesian Crew Show. Many of the Crew were Indonesian and they had gotten together and prepared ethnic songs and dances for one of the evening shows. The second unique event was On Deck for the Cure. It was supposed to be a 5 K walk which was 12 laps around the ship. I took my oxygen tank and started out while hanging on to Lee. I think everyone else passed us at least once by the time we had completed 6 laps and I needed to fill the oxygen tank again. We then did another lap and a half before calling it quits. About half of the passengers participated so it was quite an event and raised quite a bit of money for Komen Cancer Research. Lee and I both agree that cruising is a great way to take a vacation and have already signed up for one this summer.

WHAT DO YOU SAY? (Continued from pg 3)

- Submittals has new subheadings: **Action Submittals** (Product Data, Shop Drawings, Samples) and **Informational Submittals** (Certificates, Tests, Instructions, etc.) and **Closeout Submittals** (O&M Data, Warranty Document, etc.) and **Maintenance Materials Submittals**. These are typically treated differently by the design professional.
- **Maintenance Materials Submittals** includes Spare Parts, Extra Stock Materials, and Tools and Software.
- **Maintenance** moves to the end of Part 3. This Article specifies maintenance service after the construction period.
- **Operation** is also an Article at the end of Part 3, and before Maintenance. Although Draft 3 does not say, specific operation requirements for commissioning might be specified here.
- **Part 2** is more clearly and simply organized: There are only four (4) primary titles for Articles: Owner-Furnished Products, System/Assemblies/Units/Products/Materials/ Etc., Accessory Products, and Source Quality Control.
- **Owner-Furnished Products** includes New Products and Existing Products (salvaged for example).
- **System/Assembly/Etc.** includes Manufacturers, Description, Performance, Operation, Materials, Fabrication, and Finishes.
- **Manufacturers** are specified under each system or component, rather than for the entire Section. If a Section specifies only one system, then Manufacturers moves back up to level 2, Article status.
- **Performance** is now located in Part 2 and associated under the System or Product it describes. This makes it easier to differentiate performance requirements between system and components, for example, the door opening in a curtain wall may not require the same resistance to air infiltration as the curtain wall itself.
- **Systems Integration** is a subheading in Part 3 under Installation. We should expect to see this used for high performance buildings.
- **Schedules, Tables and Illustrations:** Keep and eye on PageFormat™ update to see how these items are coordinated with Section text. It appears that they should be properly integrated into the Section, or attached at the end of the Section if not integrated. The former Part 3 Article, “Schedule”, no longer exists. Example: Door Hardware Groups can either be a separate schedule attached to Section 08 71 00 or incorporated in Part 2 under Article “Door Hardware Groups”. (*opinion of the writer*)

Specifiers’ Share Group will continue to be the primary forum for Portland Chapter’s discussion and comment on the updates. We will be keeping up with the PageFormat™ update. We will also be discussing implementation of the SectionFormat™ as June draws near. You are certainly welcome and encouraged to join in, either personally or electronically.



“2007 Certification committee meeting, making final plans and testing equipment; (from left clockwise) Rick Heiserman, Dana Richardson, Dennet Latham, Jody Moore, Christine Steel, and Fred Herbold.”

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

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Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

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CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2008

Corey Morris, CSI,503-224-4848
Clark/Kjos

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Skip Brown, CSI, CCS503-827-0505
WPH Architecture

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Bud Henson, CSI,360-600-0804
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Fred Herbold, CSI, CCS 503-445-7389
SERA Architects

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Steven Gray, CSI, CDT503-233-6016
Rodda Paint

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Awards

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By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

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Skip Brown, CSI, CCS503-827-0505

Golf Tournament

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Specifiers Share Group & Technical

Fred Herbold, CSI, CCS503-445-7389
 Isaac Tevet, CSI, AIA503-245-7100

Student Affiliate

Rudy Barton503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA

Ph: 541-485-1700 Fax: 541-683-7722

Email: tomde@wildish.com

Wildish Standard Paving

PO Box 7428

Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS

Zimmer Gunsul Frasca Partnership

Ph: 206-521-3506 fax: 206-623-7868

awhitacre@zgf.com

925 4th Ave. #2400

Seattle, WA 98104

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA541-485-3970

Awards

Christine Irwin, CSI, CDT503-650-0148

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

Rick Heiserman, FCSI, CCCA, AIA503-245-7100

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Rand New, CSI, CDT541-688-5594

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Jerry Litwin, CSI,253-584-5207

Publications

Bob Kenworthy, FCSI, CCS, CCCA ..253-931-4826

Technical

Marc Chavez, RA, CSI, CCS206-245-2100

Treasurer & Secretary

Marc Chavez, CSI,206-245-2100

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

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Big Sky, MT

Jan O'Brien, CSI406-245-6363

March 2007

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3/22

CSI Board Meeting, *Noon, AIA Office*
CSI Specifiers Share Group Meeting, *Noon, ZGF*
CSI Chapter Meeting - Architectural Acoustics, Princeton Ballroom
Membership meeting, *Macadam bar & grill, Noon*
Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
CSI Specifiers Share Group Meeting, *Noon, ZGF*

April 2007

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CSI Board Meeting, *Noon, AIA Office*
CSI Portland Products & Services Fair
CSI Specifiers Share Group Meeting, *Noon, ZGF*
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Knowledge for Creating
and Sustaining
the Built Environment



Volume 46, Issue # 7

April 2007

Portland Chapter - The Construction Specifications Institute

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



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**Sage Hotel/The Nines/Meier and Frank Renovation
Tuesday, April 10, 2007**

The April 10th, 2007 CSI dinner presentation will be a panel discussion on renovation of the Meier and Frank building. The panel will discuss the extensive seismic upgrade and the integration of two new mechanical, electrical and fire and life safety systems into the building. Some of the topics to be presented will be the reasoning behind the project, and the innovative ideas that went into the structural design that made it feasible. The panel will also discuss information about the financing of the project and issues that encountered in the construction.

SERA is working with the Portland Development Commission and Sage Hospitality to renovate The Meier and Frank building into a mixed-use development which will include a 332 room luxury hotel with meeting rooms, a ballroom, restaurant and roof-top lounge above a five-floor retail department store. The building is on the National Register of Historic Places. The hospitality portion of the project is being designed with the goal of achieving LEED® Silver Certification.

The panel will include –

- Dick Burnham - Hoffman Construction Co
- Blake Patsy - KPFF Engineers
- Ross Plambeck - PDC Project Manager
- John Echlin – SERA Architects
- Don Eggleston – SERA Architects PDX (moderator)



Renaissance Portland - Meier & Frank Building
Architect: SERA Architects
Photo: [unreadable]

**The Princeton Building Ballroom
614 SW 11th Avenue
Social at 5:30 PM
Dinner and Program 6:30 PM**

**Cost: \$30.00 pre person with pre-paid reservations by April 5, 2007
Sponsor a table for 8 for just \$230.00
Late reservations – and walk-ins (as available): \$40.00 per person**

Assure your spot for this special event!

TO REGISTER GO TO WWW.PORTLANDCSI.ORG

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

Thanks to our sponsors - Willamette Print and Blueprint & DeaMor

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Networking, Education, Get Out of the *Matrix*!

It's just around the corner, so get your pen out and get ready to mark your calendar for a very important opportunity.

It is nearing that time of the year when the Portland Oregon Chapter of the Construction Specifications Institute will provide a unique venue with opportunity for all members of the built environment to escape from the comforting chains of the cyber world and immerse themselves into the stimulating "real" world. Here is your chance to break away from the "Matrix" and engage in real world solutions and services that make up so much of the content we look for in the World Wide Web. I know it is convenient to search a term or phrase and have more content delivered to your desktop monitor than most anyone could read in a lifetime. We all need and rely on the electronic resources of the internet to research, evaluate, and make decisions on product selection and services for our clients.

At times we may even find ourselves attempting to interface many different materials and procedures to create the needed safer and improved communities of the age without ever seeing or handling the actual product.

However, we will not be able to completely replace physical experiences and human interaction with electronic images. When a new product or procedure becomes available in the marketplace, there is a lot that can be communicated in print and pictures. The growing popularity of streaming video is evidence alone that live interaction is so important to our understanding and interests of making informed balanced decisions. We cannot always experience the passion about a world changing product or service by simply reading about it.

These visitors are experiencing the full value of personal interaction with Jody Moore and are building one of a kind concepts



that are only available from such a live expression which only comes from touching, and seeing the item or procedure personally.

So don't miss the friendliest educational event of the year, also known as *The 33rd Annual Portland Products and Services Fair*. Mark your calendar now for May 8, 2007. The PPSF Committee, in cooperation with AGC, AIA, IFMA, and IIDA has been hard at work developing a very rewarding experience for everyone this year. Several educational programs will be offered throughout the day. Some of which are: low voltage communication and security, considered the "Nervous System of a Building," Carbon Neutral, Building Information Modeling, and Special Award Winning Keynote Speaker Jim Cutler, known for designing to fit the environment.



As you can see there is a great deal of opportunity for pleasurable interaction with colleagues, industry and professionals alike.

So spend some time away from the "Matrix" and visit the real world. You will find a multitude of people from all over the industry that are almost as passionate as Jody and will be able to help you prepare for your next landmark project.

Condolences

Our deepest sympathy goes to our Chairperson of the Certification Committee, Christine Steel. Her son Justin Thomas Steel, age 29, died March 4, 2007. He was a Graduate of Barlow High School and the University of Oregon. Justin was enrolled at St Thomas University School of Law and worked for Clackamas Aquatic Park and SAIF Corp.

Memorial service was March 13, 2007 at St Anne's Chapel, Marylhurst University. Anyone wishing to make a donation in Justin's memory may do so at any Washington Mutual Bank. Funds will be donated to North Clackamas Aquatic Park.

I am sure Christine knows that she can call on anyone in the CSI Community for friendship or assistance anytime, but especially at such a difficult moment.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Dan Donihoo, CSI, CCPR

A Reader Comments – February Article

Regarding the draft of updated PageFormat™, reader noted that you can make reversed headers in MSWord, but it is comber-some. I had intended to make just that point. It is the opinion of the Share Group members that reverse headers and footers should be optional until a click-in-dialogue-box method is available for all word processor based specifications.

Guest Article

Many thanks to Dan Donihoo CSI CCPR, former San Antonio, Texas Chapter president and product representative for submitting the following article. Work results for the following are specified in 08 45 00 – Translucent Wall and Roof Assemblies, MasterFormat™ 2004 Level 2, or 08 45 23 – Fiberglass-Sandwich-Panel Assemblies, Level 3.

Maximize Daylight and Energy Savings With Translucent Skylights and Wall Panels

The short definition for daylighting is the planned use of daylight to illuminate the interior of a structure in order to reduce artificial lighting needs. Daylighting has the potential to offset energy use in the building, thus reducing the use of fossil fuels and helping improve the negative impact on the air quality.

According to a study for Pacific Gas & Electric by Energy Design Resources, a California consultant, the average grocery store may save \$16,000 per year, or 32 cents per square foot, in energy cost through daylighting; a typical school can save \$7500 per year, or 23 cents per square foot.

Skylights and wall systems using translucent panels offers diffused lighting to provide a friendly and welcoming atmosphere, and they are compatible with most aesthetics of the building. A skylight brightens and enhances the interior of a building through natural light.

Translucent Skylights come in many combinations of shapes, sizes, glazing, framing systems and insulation details. Skylights allows three times more light than a vertical window of the same size.

Translucent fiberglass reinforced panels can be insulated or non-insulated. They provide excellent energy efficiency. When comparing the Energy Star guide rating of .35 for standard insulating glass, a translucent panel with a .24 U factor / 28 grams of insulation has a 46 percent better U factor than insulating glass.

The advantage of translucent is diffused light offers no glare and no hot spots, which provides for a comfortable environment. The light transmittance values of 28 to 75 percent is available, depending on the occupants needs.

Almost shatterproof, translucent panels are very durable and virtually unbreakable. They are also lightweight and virtually maintenance free. And, translucent systems are more economical than most glass skylight systems.

Daylighting is recognized by the U.S. Green Building Council's LEED® rating system and Green Building Initiative as a source to achieve multiple points toward LEED credits in several categories. Starting in October 2005 LEED version 2.2 has made some specification changes. Updated information is available at www.usgbc.org.

PERKY'S NOTES

By: Perky Kilbourn, PhD, CSI



Recently I attended the 24th Annual Intel Northwest Science Expo, presented by Portland State University, Vernier Software and Technology, and The Edward and Romell Ackley Foundation. Quoting from the brochure "Intel Northwest Science Expo organizes and conducts the Intel ISEF (International Science and

Engineering Fair) - affiliated science research competition yearly for Oregon and Clark County Washington students grades 5 - 12. ..." I have been a judge for the Science Fair Projects in Microbiology for more than 20 years and really enjoy interacting with the students and discussing their research. It was a fascinating day but the projects I judged had nothing to do with Specifications, Construction or Architecture though the Expo included projects in Electrical & Mechanical Engineering, Bioengineering and Energy & Transportation. My idea in reporting on this activity as a judge of science fair projects is to introduce CSI members to what I find enjoyable and hope the reader will find it interesting.

The best Science Fair Project in the High School Microbiology (which was the National Honor Society for Women in Chemistry Award winner), was titled "Inhibiting the Growth of Staphylococcus aureus with Elderberry Extract" by Jing Chen. As you can figure out from the title, Chen made several different extracts from the elderberries and discovered that two of the various extracts tested were effective in inhibiting growth of Staphylococcus aureus. Her next step (probably next year) will be to determine the active ingredient in the two extracts.

The next best Science Fair Project in High School Microbiology was entitled "The Effects of Ag Nano-Particles on the Growth of Escherichia coli in High and Low Protein Liquids" by Jeremy Carp. Carp used milk for his High Protein Liquid and water, cranberry juice and apple juice for his three Low Protein Liquids, which he tested. In talking with him about his project he agreed that he needed to do some more research to be sure that the protein in the milk was what was destroying the effectiveness of the Silver (Ag) Nano-particles and this protein is not present in the water, cranberry juice or apple juice.

Two of the other six Science Fair Projects in High School Microbiology were interesting but not outstanding. One tested for microorganisms on wrestling mats - the two male students who presented the project were obviously wrestlers and they were very interested in the results. The current plan (of the one student who is not graduating from High School this spring) is to test other wrestling mat cleaners. The other project was really in electrical engineering, where a student was using resonance to rupture the membrane of microorganisms. He had some pictures which showed that he had been successful at least once.

In addition I was one of the ISEF Judges. The winners from each category were evaluated for places in the Team Oregon High School Intel International Science and Engineering Fair Finalists and will travel to the 58th Intel International Science and Engineering Fair in Albuquerque, New Mexico. One of the top projects was "Insulin-like Growth Factor 1 Mediated Cell Proliferation via the Insulin Receptor" by Laila Wahedi. She determined the pathway used when growth was measured while cells were treated with the Growth Factor 1. This may not previously have been done by a high school student.



Hello CSI golfers and spectators

Yes you, the one looking out side hoping to see a ray of
sunshine come through your office window.
Hoping that there will soon be a day to play hooky and try out
that new club you got for Christmas.

WELL THE DAY IS COMING!!!

THURSDAY, AUGUST 9TH, 2007
AT
LEWIS RIVER GOLF COURSE

REGISTRATION STARTS AT 10:30
SHOT GUN START AT 1:00

There's the date, the time, and the beautiful place.

Space is still available for teams and sponsorship.
So give me a call, let's chat.
Are you ready to get out on that green to scream
"fore"?
Or some other chosen words.



CONTACT ERICA BITTERMAN-RYON AT
PRECISION IMAGES 360-567-2910

You can now register on line at www.portlandcsi.org

Lines are open and I'm waiting for your call ☺

ebitterman@precisionimages.com



CSI "Water" The Good, The Bad and The Ugly

CSI NORTHWEST REGION CONFERENCE August 23rd - 26th, 2007 Salem, Oregon

Capital Chapter is proud to be the host of the 2007 Northwest Region Conference, in Salem Oregon. The Committee is working hard on making it a fun event and a very educational event for all attendees. They will have educational seminars throughout the day for Friday and Saturday. Some of our topics are "Gender Communication", "Carbon Neutral", "Water & Green Building Integration", and "Dress for Success", to name just a few.

Thursday kicks off with plenty of action. Of course there will be golf tournament on Thursday out at The Salem Golf Club for all those golf enthusiasts, we would not forget you. Lunch is provided and there will be prizes for KP and LD. If you are not into golf we have an option for you, The Oregon Garden Tour and Wine tasting with lunch included as well. So depending on your taste we have something for everyone. Thursday night is our kick off reception to meet and mingle and have a nice casual time.

Friday night will be the Products Fair and wine tasting. We have 32 vender tables to fill for attendees to meet their local reps and see what wonderful and new things they have going. Tables will go fast, so don't forget to get your company signed up for a table top or "Blondie package". Now those of you who went to the Portland conference know that was a fun time for all and you won't want to miss that. After the Product Fair it is Jeopardy time, hold on to your seats and come prepared with your local, region and institute knowledge.

Saturday night is our big awards night and dinner banquet, time to recognize those that have helped make our Chapters and Region what it is. We will have some great entertainment, but that is a surprise. So make sure the NWRC is on your calendar and visit the region web site at www.csinwr.com to see updates on information. You can also visit the www.portlandcsi.org web site to register on line for the conference and sponsorship.

Return Completed registration Form & Payment to:
CSI Capital Chapter
C/O NW Region Conference Committee
P.O. Box 5116
Salem, Oregon 97304
Ph: 503-805-2500 Fax: 503- 587-0337

Conference will be held at the Salem Conference Center
Phoenix Grand Hotel
200 Commercial Street SE, Salem, Oregon 97301
Direct: 1-877-540-7800 or 1-866-614-1900
www.phoenixgrandhotel.com / www.salemconferencecenter.org
Group/convention: CSI

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA.....503-245-7100
Ankrom Moisan Associated Architects

Immediate Past President

Dennet Latham, RA, CSI, CCS.....503-872-4539
CH2M Hill

Secretary

Erica Bitterman-Ryon, CSI.....360-567-2910
Precision Images

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Ford Graphics

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Jane Phifer, CSI.....503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

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Corey Morris, CSI,503-224-4848
Clark/Kjos

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Skip Brown, CSI, CCS.....503-827-0505
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Custom Window Company

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SERA Architects

Director, Industry 2006-2007

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI..... 503-720-3005

By-Laws

Ken Searl, FCSI, CCS.....503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI.....503-805-2500

Education

Steven Gray, CSI, CDT.....360-233-6016

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Skip Brown, CSI, CCS.....503-827-0505

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Specifiers Share Group & Technical

Fred Herbold, CSI, CCS.....503-445-7389
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Student Affiliate

Rudy Barton.....503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA

Ph: 541-485-1700 Fax: 541-683-7722

Email: tom@d@wildish.com

Wildish Standard Paving

PO Box 7428

Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS

Zimmer Gunsul Frasca Partnership

Ph: 206-521-3506 fax: 206-623-7868

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- 5/1 CSI Board Meeting, *Noon, AIA Office*
5/8 CSI Portland Products & Services Fair
 5/10 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 5/14 CSI Membership meeting, *Noon*
 5/22 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 5/24 CSI Specifiers Share Group Meeting, *Noon, ZGF*

June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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- 6/5 CSI Board Meeting, *Noon, AIA Office*
 6/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*
6/12 CSI Chapter Meeting - Tour & Awards Program
 6/18 Membership meeting, *Macadam bar & grill, Noon*
 6/20 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 6/28 CSI Specifiers Share Group Meeting, *Noon, ZGF*

Deadlines!

- Portland Products and Services Fair “Peaceful Coexistence”
 May 8, 2007. Booth spaces are filling fast!
 Reserve soon for your favorite spot.
 For easy online booth registration here is a link http://www.portlandcsi.org/products_fair.html
- CSI Show & Convention
 early discount registration ends May 1, 2007
- June 19, 2007 exams in Baltimore; early registration ends March 21, 2007, registration closes April 20, 2007.



Knowledge for Creating and Sustaining the Built Environment

Volume 46, Issue # 8

May 2007

Portland Chapter - The Construction Specifications Institute

33rd Annual Portland Products and Services Fair

Welcomes Award Winning

Keynote Speaker: James L. Cutler, FAIA

Tuesday, May 8, 2007 - Oregon Convention Center

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org

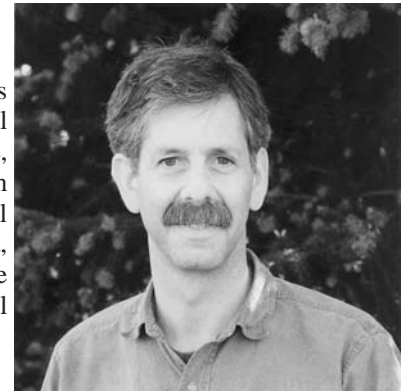


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ECO-EXISTENCE

Cutler Anderson Architects established in 1977 (formerly James Cutler Architects) is known internationally for environmental awareness and attention to detail.



The Reeve residence, Lopez Island, Washington, illustrates the design team's ability to peacefully nestle the project into the cliff face, carefully matching the roof's slope to blend with the wind shear angles of adjacent weathered trees.



Sustainable Design: James Cutler's "love of the land," heavily influences the firm's environmental responsibilities. Environmental sensitivity is not only a consideration but a guiding principal in everything Cutler Anderson Architects does.

Beyond their timeless enclosures of space CAA has created an impressive collection of furniture, and hardware to employ within their award winning facilities.

James L. Cutler FAIA is a Registered Architect in Washington, Alaska, New York, Hawaii, Tennessee, Montana, Rhode Island and North Carolina. He has a Master of Architecture degree from the Louis I. Kahn Studio program and both Master of Architecture and Bachelor of Arts degrees from the University of Pennsylvania.

Pre-register: This inspiring presentation and other seminars offered during the Fair are on the enclosed registration form.

Seminars Start 12:30, 2:00, and 3:30pm
Products and Services Fair and vendors seminars 1:00 - 7:00pm
Keynote: James Cutler 7:15 - 9:15pm

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



GOT
LU - MCE
?

CSI has *GOT* the Answer!

33rd Annual Portland Products and Services Fair

You are invited to attend one of the largest most prominent construction industry shows in Portland. In cooperation with AGC, AIA, IFMA, and IIDA this year's Portland Products and Services Fair will, as usual, provide numerous opportunities for Continued Professional Development. Committed to providing "Knowledge for Creating and Sustaining the Built Environment," CSI has a great lineup of seminars for your educational growth, networking pleasure and LU/MCE requirements!

12:30pm – 1:30pm Seminar #1 Planning for Emerging Communication, Safety and Security Systems.

Tim Kuhlman & Clark Goodlett, CH2M Hill

2:00pm – 3:00pm Seminar #2 Understanding BIM
PPI Group

3:30pm – 4:30pm Seminar #3 Carbon Neutral
Steve Strauss, Glumac Int.

Vendor Seminars in Exhibit Hall
Pella Window & Door
Hanset Stainless



7:15pm – 9:15pm

Keynote Speaker: James Cutler, Eco-Existence
Cutler Anderson Architects

1pm – 7pm Products and Services Fair – Exhibit Hall "A"



The products and services fair will provide a unique friendly venue and great opportunity to catch up on new materials, installation concepts, and services available for the built environment. Getting first hand information from manufacturers and distributors will help simplify special requirements or complicated installations. Or possibly find out why something didn't work the way you thought it was intended.

Update!

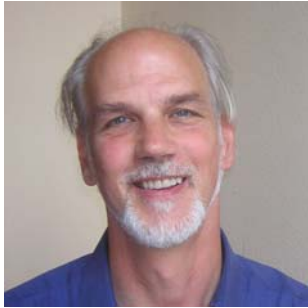
I have made several announcements over the last couple months about the CSI Convention coming to Portland, based on feedback from the Institute. Recently I learned that the Institute has made arrangements for the Convention to be managed by an outside organization. In doing so, the management firm has recommended other locations to the Institute. This is of course a disappointment for Portland, but will really help the Convention to grow along with huge growth potential and industry awareness for CSI.

Deadlines!

- Portland Products and Services Fair: May 8, 2007. Booth spaces are filling fast! Reserve soon for your favorite spot. For easy online booth registration here is a link http://www.portlandcsi.org/products_fair.html
- CSI Show and Convention early discount registration ends May 1, 2007
- June 19, 2007 exams in Baltimore.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Fred Herbold, CSI, CCS



Architects, Engineers and Specifiers Learn More at the Portland Products and Services Fair

It's the end of April and time for CSI members in professional offices to rally the troops. It's time to make sure the Chapter's annual Products and Services Fair is on the calendar of every professional in your office. The PPSF is the easy, convenient way to touch-base with the current status of our local construction industry.

At PPSF professionals gain one-on-one first hand knowledge about construction products and services. The personal relationship with our local and regional product representatives pays off when we need help.

There will be three educational seminars at the Fair this year: "Planning Emergency Communications, Safety, and Security Systems," "Understanding BIM," and "Carbon Neutral." This is an attractive offering of information about high tech building systems, facility design and management tools, and sustainable facility design.

This year the Fair will say open until our keynote speaker, Jim Cutler, presents his lecture "Peaceful Co-Existence." Jim is a Northwest Region leader in ecologically sensitive design and design excellence.

CSI Professions: Lead Your Firms Policy

Architecture and Engineering firms should support continuing education for their staff. You, as a CSI professional, can suggest these painless, supportive ideas:

Allow your staff 1 or 2 hours on their time card for attending the Portland Products and Services Fair during business hours. Match their time one-for-one during business hours.

Pay for a seminar if the person will present what they learned during a staff seminar-lunch.

Purchase a block of tickets to Jim Cutler's lecture. Offer them as a "thank-you" for work well done – sure, to your entire staff!

Remember: PPSF is at the Oregon Convention Center which is in Tri Met's Fareless zone.

Here's a summary of some supportive ideas published last year.

Available Products

At the Fair we meet local and regional representatives for products and manufacturer's that are currently available in our market. Returning to the office the next day, we specifiers revise the list of "Available Manufacturers and Products" in our specification master. We may also be taking back the current product binder or CD. Or we may be awaiting one to arrive after ordering it from the product representative.

Proprietary Specifications

It's never pleasant to be told that the one and only product you've specified is not available. Unfortunately, manufacturers do not notify us specifiers when they go out of business, change their name, are purchased by another company or discontinue a product.

At the Fair we can verify that our favorite products are still available and working well. Also check on up-dates and improvements. It just takes just a few moments of conversation with the knowledgeable product representatives.

We also discover what's been happening at the corporate level: who's missing this year and why; who purchased whom or what.

New Products and Manufacturers

At the Fair you can expect to see products introduced that you've not seen before or were not aware. Manufacturers use this opportunity to introduce new solutions to design and construction issues. Also, you can expect to see new options from manufacturers who are just entering our market.

Refreshing Experiences

At the Fair, after a few hours of enlightenment, I walk over to an array of light snacks. It helps to keep me going and it's a good place to compare notes with other design professionals. Of course, there's a no-host bar open as well.

Sustaining the Built Environment

"Knowledge for Creating and Sustaining the Built Environment" is CSI's mission. This year a seminar and our keynote speaker will focus on cutting-edge sustainability. The information and examples will inspire and challenge designers and specifiers to take their projects to a higher level of sustainable design.

See you and your fellow professionals at the Fair.

PERKY'S NOTES

By: Perky Kilbourn, PhD, CSI



Periodically I examine the numerous magazines I receive and remove the interesting articles and dump the rest of the magazine. These notes are going to be about the interesting articles I saved.

First Note - There were several research articles on using a mixture of microorganisms to produce ethanol and the potential for this to be sustainable and environmentally beneficially. The most interesting was an article in the February 9, 2007 issue of SCIENCE. BP made a 10 year \$500 million grant to the University of California at Berkeley to host its new Energy Biosciences Institute which will have its focus on Biofuels.

Second Note - John Soat's page entitled "What Web 2.0 has taught workforce 2.0" in the February 26, 2007 issue of INFORMATION WEEK was fascinating. First Lesson is not to believe everything you read on the Internet for example professors object to college students using Wikipedia as a reference source. Second Lesson is that one shouldn't illegally download recorded music. Third Lesson is to be careful of what you say on the internet because it may be read by somebody you didn't want to know what you wrote. Fourth Lesson is that information is often an opinion and has not been thoroughly researched. Fifth Lesson is that corporate video newsletters are coming.

Third Note - March/April 2007 issue of WESTERN ROOFING included an article "Moss Control" by the WSRCA Technical Committee and Jim Carlson WSRCA technical advisor. The article states methods usually include that careful brooming and controlled whisking of roof surface followed by controlled low-pressure rinsing and/or washing with water or rinsing solution which sometimes rinsing solution can include zinc sulfate or copper sulfate. The article cautions the reader to protect the plants surrounding the building, whose roof is being cleaned with a rinse solution containing zinc sulfate or copper sulfate. Then keep the roof free of new or recurring moss growth by keeping the roof surface free of vegetation and debris and by trimming overhanging trees and foliage back away from the roof surface.

Fourth Note - The Model Coupling Toolkit was created by the U. S. Dept. of Energy's Argonne National Laboratory. It allowed researchers to integrate individual models into one climate model. Based on this integrated information researchers were able to predict what will happen in the future based on what has happened in the past. For example, Boulder Glacier in Washington State has retreated from its 1985 boundary to its 2003 boundary and is continuing to retreat. (Page 16, March 2007 issue of R&D MAGAZINE).

Fifth Note - I have several articles on the topic of educating children in Science and Technology and that we need to encourage students to learn Science and Technology.

SSG GROUP SCHEDULE

26 April: The Evolution of Glass and High Performance Coatings

10 May: Tubular Skylights (proprietary version)

24 May: Laminated Glass

14 June: Effects of Outsourcing Structural Steel Detailing to BIM by Steel Fabricators

28 June: Maximize Daylight and Energy Savings With Translucent Skylights and Wall Panels

SSG Co-Chair Position is Open

Many thanks from all of us in the Share Group go to Isaac Tevet, CSI, AIA, for his leadership and work over the past five or six years. Isaac says it's time to step aside as co-chair and let someone else have fun.

This is a great opportunity to increase your involvement in the Chapter. It's a good first step toward greater things.

This is a **Call For A Volunteer**. Please contact Isaac Tevet or Fred Herbold.

APRIL MEETING RECAP

By: Perky Kilbourn, CSI

Ellen Onstad introduced the panel with some subtle humor about OSU (Beavers) and the (U of O) Ducks - also that nobody in Portland Chapter CSI here this evening was older than the Meier & Frank Buildings (the first Meier & Frank Building was built in 1909, the second in 1915 and the third in 1932).

Don Eggleston (SERA Architects) was the moderator and started the panel discussion with a history of the buildings. The initial 5 story building was built in 1898, and was designed by Whidden & Lewis. In 1915 it was demolished and replaced by a Doyle & Patterson 15 story building (covering half a block). Meanwhile the Doyle and Patterson 10 story building had been constructed in 1909; took up slightly more than a quarter of the rest of the block and is still in existence. In 1932, DeYoung, Mosowitz & Rosenberg (New York) with Herman Brookman (Portland) constructed a 15 story building on the fourth corner of the block. The significant thing about these buildings is that they were modeled after Chicago Style Retail Concept, they had 50% Glazing Operable Windows and Terra Cotta exterior skin which was self-cleaning and climate sensitive.

Ross Plambeck, the PDC Project manager, then discussed the Meier & Frank Building Feasibility Study, which began in 2002. There seemed to be four redevelopment options First use being Residential which had the drawbacks of them not being able to use Historic Tax Credits, the building layout makes high-end condo conversion uneconomical and affordable apartments would probably not generate sufficient return plus parking would be a problem.

Second use being Office space but the building layout was more conducive to back-of-house uses. The Conversion would result in "Class B" space, rents would not support renovation costs, 300,000 square feet of office space would be difficult to lease in current market and the building would not be in use 24/7.

Third use being Retail but it is difficult to successfully operate retail on upper floors.

Fourth use being Hotel but the negative factor would be that the buildings would require seismic upgrades. On the positive side were that parking would not be required - hotel patrons could use existing garages with valet service, a viable economic return is possible and the room occupancy rate is improving.

Thus in 2004, Sage made a proposal to purchase a condominium interest in the top ten floors of building; to construct a 331-room luxury hotel and May Company would invest proceeds of condominium sale into department store renovation. There would be no structured parking, it could remain on National Register, It would allow for 20% Historic Tax Credits and it would be a LEED Certified Green Building (Silver). In addition the new department store, after the purchase of May Company by Federated Department Stores, would be re-branded as Macy's, with mid-block retail activity opening to sidewalks on 5th and 6th. The building would be in use 24/7, add vitality to Downtown core, and additional redevelopment energy beside creating and retaining over 265 jobs in the hotel and department store. It would have a lobby on the street level and new restaurant and lounge on the roof plus 14,000 square foot of ballroom and meeting facilities.

Blake Patsy, from KPFF Engineers, then summarized an engineer's view of the project design approach which including cutting an atrium into the building to create floor plates that can accommodate double loaded guestroom corridors. Place the ballroom at the lowest level of the cut-out creating a new 7,200 square floor clear span space. Infill upper levels to create full floor plates and a unified top. Add ground floor lobby, canopy and drop-off to create a presence and sense of arrival for the hotel. Perform a complete seismic upgrading utilizing Viscous Dampers, so there would be no impact to foundations, exterior walls or terra cotta from a major earthquake.

Don Eggleston then discussed the project design approach from an architect's point of view. Don showed before and after photographs as well as floor plans, details, drawings, and renderings.

Dick Burnham, Hoffman Construction Co. was next with the major challenge of material handling in constructing The Nines (as it is now called). Work started at the 6th floor so everyone and everything has to go up or down with the assistance of a machine such as tower crane, manlift, interior elevator or trash chute. Dick had pictures showing how the building was dismantled from the top down. Material was collected, separated, sorted and loaded into various containers and removed from the site for recycling. Interior finishes from the Georgian Room, which had been on one of the top floors, were salvaged to be re-installed later. Kiddy pools below plastic sheets were used to collect rain water while the roof was replaced.

Continued on page 6

MAY MEETING RECAP

Continued from page 5

.One surprise was a roof that had been abandoned in place during one of the expansions. There was also a built up floor above another abandoned roof on the 14th floor. This was discovered ". . . as the floor structure started to crumble. The false floor was not attached to the existing structure . . . it was just sitting there." Presently the atrium hole reaches the 8th floor. Seismic dampers are installed as floors become available.

The Question and Answer period supplied a couple of interesting points. There were twenty nine attorneys involved to close the deal. For example Oregon Episcopal School had an easement to some of the land. There were a lot of change orders and Masterformat 95 was used for the Specifications. This former Meier and Frank Building is called "The Nines" because of the nine floors to the Hotel plus the older term of being "Dressed to the Nines."

All in all a great presentation.

MEMBER NEWS

Window Tech, Inc. is pleased to announce that Bud Henson, formerly of Custom Windows, has joined our organization.

He will mainly concentrate on the Firestone Metal Wall Products line, but will also handle our other lines of Window Tech.

His contact information is:

Bud Henson, CSI
4521 N.W Aspen St.
Camas, WA 98607
Phone 360-600-0804 fax 866-328-9942
email bud@windowtechinc.com

CSI COLLEGE OF FELLOWS WEBSITE

The College of Fellows now has its own website, at www.FCSINet.org. The website is an online equivalent of a collection of Fellows' biographies that has been presented to Fellows after their investiture. The site went online a few months ago with about thirty-five biographies; since then, more have been added, bringing the total to about ninety. Fellows' biographies can be accessed by last name or by class year; another index, by chapter, will eventually be added. The index of last names shows only those Fellows whose biographies have been posted to the website, while the class list includes the names of all Fellows.

Class pictures were added for the Classes of 2003, 2004, 2005, and 2006. The intent is to have a class picture for each year, a real challenge, as formal pictures were not always taken. As the site develops, I hope to add other pictures from each year's convention, along with highlights of the year.

The standard biography format (BioFormat?) comprises three elements: the head contains the Fellow's name, citation, and picture; the narrative area describes the Fellow's history; and the contributions area lists the Fellow's chapter membership, significant Institute and region service, and significant honors. The biography format is available for download on the FCSI website.

As you look through the biographies, you will note that some do not have pictures, and some have very little information. We have nothing at all for almost fifty Fellows! Updating Fellow biographies provides an excellent opportunity for regions and chapters to dig into their histories, discover more about their own Fellows, and find better pictures. If you are interested in helping with this project, contact Sheryl Dodd-Hansen, sheryl@dodd-hansenconsulting.com, or Sheldon Wolfe, swolfe@bwbr.com.

Biographies are formatted to fit on a single 8-1/2 by 11 page, which makes hardcopy reproduction easier. It also imposes a limit on content. If you do decide to work on a biography, note that the narrative should be limited to about 350 words, and the contributions should be limited to about 250 words. None of the spaces are fixed, though the head is usually about the same size. The narrative and contributions areas can easily adapt either a long narrative or a large number of contributions, but not both.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW

President Elect

Russ Pitkin, CSI, AIA503-245-7100
Ankrom Moisan Associated Architects

Immediate Past President

Dennet Latham, RA, CSI, CCS503-872-4539
CH2M Hill

Secretary

Erica Bitterman-Ryon, CSI360-567-2910
Precision Images

Treasurer

Kaye Kloster, CSI503-227-3424
Ford Graphics

Executive Director

Jane Phifer, CSI503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2008

Corey Morris, CSI,503-224-4848
Clark/Kjos

Director, Professional 2006-2008

Skip Brown, CSI, CCS503-827-0505
WPH Architecture

Director, Industry 2006-2007

Bud Henson, CSI,360-600-0804
Window Tech

Directory, Industry 2006-2008

Mark Reeves, CSI503-283-8822
Hanset Stainless

Director, Professional 2006-2007

Fred Herbold, CSI, CCS 503-445-7389
SERA Architects

Director, Industry 2006-2007

Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI 503-720-3005

By-Laws

Ken Searl, FCSI, CCS503-362-3472

Certification

Christine Steel, CSI, CCS503-944-7367
 Amy Hjelte, CSI, CCS503-221-1121

Editor

Jane Phifer, CSI503-805-2500

Education

Steven Gray, CSI, CDT360-233-6016

Continuing Education

Skip Brown, CSI, CCS503-827-0505

Golf Tournament

Erica Bitterman- Ryon, CSI 360-567-2910

Library

Perky Kilbourn, PhD, CSI503-244-1778

Membership - Co-Chairs

Lee Kilbourn, FCSI, CCS, FAIA503-417-4400
 Pat Murphy, CSI, CDT503-240-3955

Operations Guide

Ken Searl, FCSI, CCS503-362-3472

Orientation

Michael Muhle, CSI, CDT503-284-6799

Products & Services Fair - Co-Chairs

Brian Setness, CSI, LEED503-255-0190
 Ed Macsisak, CSI,503-924-4106

Programs - Co-Chairs

Kaye Kloster, CSI503-227-3424

Publicity

Jane Phifer, CSI503-805-2500

Specifiers Share Group & Technical

Fred Herbold, CSI, CCS503-445-7389
 Isaac Tevet, CSI, AIA503-245-7100

Student Affiliate

Rudy Barton503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Deines, FCSI, CCCA
 Ph: 541-485-1700 Fax: 541-683-7722
 Email: tom@d@wildish.com
 Wildish Standard Paving
 PO Box 7428
 Eugene, OR 97401

2006-2009

Anne Whitacre, FCSI, CCS
 Gehry Partners, LLC
 Ph: 310-482-3172
 anew@foga.com
 12541 Beatrice Street
 Los Angeles, CA 90066

Region Website
www.csinwr.com

REGION COMMITTEES

Academic Liaison

Loren Berry, CSI, CDT, AIA541-485-3970

Awards

Christine Irwin, CSI, CDT503-650-0148

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

Rick Heiserman, FCSI, CCCA, AIA503-245-7100

Electronic Communications

Rand New, CSI, CDT541-688-5594

Membership

Robert Simmons, BS, CSI, CDT253-946-2436

Planning

Jerry Litwin, CSI,253-584-5207

Publications

Bob Kenworthy, FCSI, CCS, CCCA ..253-931-4826

Technical

Marc Chavez, RA, CSI, CCS206-245-2100

Treasurer & Secretary

Marc Chavez, CSI,206-245-2100

NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)
 Dan Graham, CSI, CDT907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)
 Dave Walter, CSI425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)
 Jeff Herrmann, CSI, CDT253-756-8191

Spokane, WA (Second Thursday)
 Jim Devaney, CSI 509- 953-1719

Portland, OR (Second Tuesday)
 Jane Phifer, CSI503-805-2500

Capital, Salem, OR (Third Thursday)
 Chris Veit, CSI, CCS503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)
 Doug Mullican, CSI, CCCA541-687-9451

Idaho, Boise, ID (First Tuesday)
 Steven Turney, CSI, CDT208-345-8872

Big Sky, MT
 Jan O'Brien, CSI406-245-6363

May 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

5/1

CSI Board Meeting, *Noon, AIA Office*

5/8

CSI Portland Products & Services Fair

5/10

CSI Specifiers Share Group Meeting, *Noon, ZGF*

5/21

CSI Membership meeting, *Noon, Macadam's Bar & Grill*

5/22

Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*

5/24

CSI Specifiers Share Group Meeting, *Noon, ZGF*

June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

6/5

CSI Board Meeting, *Noon, AIA Office*

6/14

CSI Specifiers Share Group Meeting, *Noon, ZGF*

6/12

CSI Chapter Meeting - Tour & Awards Program

6/20

Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*

6/25

Membership meeting, *Macadam's bar & grill, Noon*

6/28

CSI Specifiers Share Group Meeting, *Noon, ZGF*

July 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

7/12

CSI Specifiers Share Group Meeting, *Noon, ZGF*

7/26

CSI Specifiers Share Group Meeting, *Noon, ZGF*

7/30

CSI Membership meeting, *Noon Macadam's Bar & Grill*



Portland Products and Services Fair

Oregon Convention Center

May 8th, 2007 – 1:00pm until 7:00pm
Portland, Oregon



Seminar and Keynote Speaker Registration

Name: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____

Email: _____

CSI Chapter: _____

Products and Service Fair	1:00pm – 7:00pm - Exhibit Hall "A"	Free Admission
Vendor Seminars	Inside Exhibit Hall – Pella Window and Door & Hanset Stainless	Free Admission
Seminar #1	12:30pm - 1:30pm "Planning for Emerging Communication, Safety and Security Systems" (FREE USB Drive with program content loaded) Tim Kuhlman & Clark Goodlett with CH2M Hill (LU's)	\$10.00 _____
Seminar #2	2:00pm - 3:00pm "Understanding BIM" (LU's)	\$10.00 _____
Seminar #3	3:30pm - 4:30pm "Carbon Neutral" - Steve Strauss, Glumac (LU's)	\$10.00 _____
Keynote	7:15pm - 8:30pm "Peaceful Coexistence"- Jim Cutler, Cutler Anderson Architects (LU's)	\$10.00 _____

Students ½ price with id Full Day Pass \$30.00 _____
(Save \$10)

Total Amount Due \$ _____

Payment: Check payable to Portland Chapter CSI, PO Box 5116, Salem, OR 97304

VISA or Master Card #: _____ - _____ - _____ - _____ Exp. Date: _____
3 digit code (on the back of card) _____

Name on Card: _____

Signature: _____



Knowledge for Creating and Sustaining the Built Environment

Volume 46, Issue # 9

June 2007

Portland Chapter - The Construction Specifications Institute

Back to school night with Portland Chapter CSI Rosa Parks School (8960 N Woolsey)

June 12, 2007

4:30 PM – Gather at Front Office

5:00 PM – Tour of Facility

6:00 PM – Dinner

7:00 PM – Awards Banquet

C.S.I. Portland Chapter Phone: (503) 805-2500 Fax: (503) 587-0337 E-Mail: jane@portlandcsi.org Web site: www.portlandcsi.org Web site: www.csinet.org

Table of Contents:

June Chapter Meeting 1
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Join your friends and colleges for a tour of the Rosa Parks Elementary School in the New Columbia Housing Development. This unique school was dedicated October 10, 2006 this is the first new school for Portland Public Schools in over Thirty Years (besides Forest Park) It incorporates the past uses at Ball Elementary School, the school Rosa Parks replaced: A welcoming entry. A front Entry office, Spaces for professional Collaboration. And it adds new features, as you walk through this new school, note that it is "zoned" for easy access to areas available to the community, as well as to encourage shared use and partnership opportunities. The Design is flexible, to support a variety of student groupings, learning styles and individual instruction.

This school represents a new way of doing things – A new way of funding school construction A new way of designing learning spaces A new way of defining "children first" by addressing the needs of the "whole child" A new way of building partnerships A new way of linking a public school to its community and the community to a school

Representatives from Dull Olson Weeks Architects (architect) – Walsh Construction Co (General Contractor) Portland Public School (Owner/User) Boys and Girls Club (User) Housing Authority of Portland (Owner/Funding) Mazzetti and Associates and KPFF Consulting Enginners will take us on a unique tour of this wonderful new school.

We will also be giving awards to colleagues who have supported Portland Chapter CSI. Come cheer on your friends from CSI.

Cost: \$30.00 pre person with pre-paid reservations by June 7, 2007

TO REGISTER GO TO WWW.PORTLANDCSI.ORG Space is limited, register today.

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Direct from the Institute Honors and Awards Web Site

We have a very special member of the Portland Chapter CSI being recognized at the Institute level this year.

Ms. Mary Alice Hutchins FCSI, FAIA along with only 13 other members has reached an incredible level of service to the organization. Below is a link to the institute page, and the notice posted there regarding the institute's appreciation for these long term supporters.

http://www.csinet.org/s_csi/sec.asp?TRACKID=KPL45TZUAGSSFKP8NP87TK2UDEYNYM7P&CID=254&DID=5567

Thank you, Mary Alice, for all your efforts during your career to leave in place such a strong foundation and legacy for the Portland Chapter CSI to grow and thrive upon.

Membership Milestones Recognition

CSI honors the following long-time members for their 50 years of commitment to CSI and the building construction industry.

For each member, CSI has contributed \$100.00 in their name to the Dale C. Moll Scholarship Fund. Our contribution is a legacy gift towards inspiring future generations to maintain the tradition of involvement in CSI, set forth by these individuals.



Ms. Mary A. Hutchins, FCSI, FAIA
Membership Category: Professional Emeritus
Chapter: Portland Oregon
Occupation: Architect
Date Joined: 03/01/1949

The Portland Chapter CSI will also be honoring our members of 20 years or more at our June Awards and Project Tour Dinner Meeting. Come out and show your appreciation for our longtime members' efforts.

Seized the moment!



Congratulations, and Thank You, to all the Design Professionals that came out to this year's 33rd Annual Portland Products and Services Fair. Hopefully you were able to grab some of those elusive CE/MCE credits that were offered and most importantly learned something new, for free, from our many extremely

knowledgeable and supportive Industry members during the trade show. If you missed the show, or didn't get a chance to speak to someone special; enclosed in this issue is a Thank You list of our many Appreciated Products and Services Fair Supporters. Please don't hesitate to give someone a call and thank them for supporting CSI, and get that special detail or bit of information you need to improve upon your next landmark (but eco-friendly) project.

Portland Chapter CSI Annual Golf Tournament August 9, 2007!

If you have not signed up yet, give Erica a call right away 360-567-2910. There are still a few sponsorship opportunities available and fewer team slots left. So grab your chance to get your company noticed or invite those special clients to an exciting day of golf at the beautiful Lewis River Golf Course, in Woodland, WA.

<http://www.portlandcsi.org/golf.html>



Congratulations Kaye and Jon Grasle!

Kaye Kloster and Jon Grasle were Wed on Saturday May 26, 2007 followed by a short honeymoon in San Diego. As Kaye stated, "Romance at CSI – another membership benefit!"

Renew Your Certification!

You probably already received your notice. However, if this has slipped your mind, it's just a friendly reminder for those who earned their CCS, CCA, and/or CCPR certification in 2004. You must renew your credentials by the end of June 2007 with the Institute. Otherwise your certification will revert to CDT.

Deadlines!

- June 19, 2007 exams in Baltimore.
- CSI Show and Convention, Baltimore June 20-23, 2007
- Portland Chapter Golf Tournament, August 9, 2007
- NW Region CSI Conference, "Water" the Good, the Bad, the Ugly, Salem, OR, August 23-26, 2007

PORTLAND PRODUCTS & SERVICES FAIR

THANK YOU TO THE VENDORS FOR THEIR SUPPORT

ADI Seating
Advanced Entry Systems
Allied Fire & Security
Andersen Windows
Ankrom Moisan Associated Architects
Arcadia Inc.
Architectural Solutions
Arizona Tile
ASSA Abloy Door Security Systems
Basalite Concrete Products
Benjamin Moore Paint
CEMCO
Certified Forest Products
CETCO / Specialty Products
Chown Inc.
Columbia Green Technologies
Cosella-Dorken Products
Crane Composites
Creteseal
Custom Products
DeaMor Associates
DecTec / Skyline Building Systems Inc.
Dex-O-Tex / Crossfield Products
Faustrollean Fixture Co.
Firestone Building Products Co.
Firestone Metal Products / UnaClad
Forbo Flooring
Ford Graphics
Georgia Pacific
Gibson Steel Basins
Glacier Northwest Inc.
Grace Construction Products
Hafele America
Hanset Stainless
Henry Company
Hollabaugh Brothers & Associates
Horizon Restoration
ICI Paints
Interior Technology / Modernfold Northwest
I-R Security Technologies
ISEC Inc.
Isolatek International

Karndean International
Kelly-Moore Paint
KMEW / CERACLAD
LG Solid Source NW
Marylhurst University
Masonry & Ceramic Tile Institute
McGraw Hill Construction Dodge
Mercer Windows
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Miller Paint Co.
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Olympic Foam
OrePac Building Products
Pacific Mat
Parker Paint Co.
Pella Windows & Doors
PPG Industries
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Tice Industries
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United States Gypsum Co.
Venice Genoa Tile LLC
Vinyl Corp.
W. R. Meadows
Wanke Cascade
Web Steel Buildings
Western States Sales
Westview Products
Woodway - LWO Corp.
Woodwork Institute



Hello CSI golfers and spectators

Yes you, the one looking out side hoping to see a ray of sunshine come through your office window.

Hoping that there will soon be a day to play hooky and try out that new club you got for Christmas.

WELL THE DAY IS COMING!!!

THURSDAY, AUGUST 9TH, 2007 AT
LEWIS RIVER GOLF COURSE

REGISTRATION STARTS AT 10:30

SHOT GUN START AT 1:00

There's the date, the time, and the beautiful place.

Space is still available for teams and sponsorship.

So give me a call, let's chat.

Are you ready to get out on that green to scream "fore"?

Or some other chosen words.

CONTACT ERICA BITTERMAN-RYON AT

PRECISION IMAGES 360-567-2910

You can know register on line at www.portlandcsi.org

[Questions comments email me at: ebitterman@precisionimages.com](mailto:ebitterman@precisionimages.com)

PERKY'S NOTES

By: Perky Kilbourn, PhD, CSI



A recent issue of Cool Roofing had an interesting article "New green roof provides basis for extensive study" by Robert Kravitz. Kravitz started his article by discussing the 2006 Greenbuild International Conference and Expo which was held in Denver.

Special tours of the new 232,000 square foot U.S. Environmental Protection Agency (EPA) building were provided for show attendees. Quoting from the article - This EPA building was constructed with a variety of environmentally friendly and energy-saving products and materials. Photovoltaic panels and wind turbines were installed to help generate electricity and the top of the building features a green roof. The green roof should be able to minimize storm water runoff and meet very strict storm water runoff guidelines.

The EPA developed a system to measure storm water runoff directly next to the green roof and the captured water is to be sampled and analyzed for pollutants and other contaminants. Hopefully EPA will be able to assess plant selection, growth patterns and maintenance requirements. The EPA intends to evaluate the saving from heating and cooling costs. Other questions to answer are whether the green roof lasts longer than a conventional roof and whether the green roof will minimize the "urban heat island" effect that makes core cities warmer than surrounding areas.

Environmental Design & Construction had a similarly interesting article in the April 2007 issue. This article was entitled "Campus Commitment shapes a sustainable community" by Kurt Haapala. Pacific University, one of Oregon's oldest universities (founded in 1849) though not the oldest (Willamette University in Salem was founded in 1842), has a student residence hall which was designed as an environmentally sensitive building.

This 59,000 square foot building was constructed by a contractor who was able to recycle 93% of the construction waste. The administration hoped that this building would foster a sense of community among classmates who live in the building. In addition, the administration wanted to provide a bridge between the main part of campus and an existing student housing complex.

Some of the sustainability features in the building included large, high-performance "operable" windows, programmable thermostats, high-efficiency light systems, energy-savings appliances, mechanical and energy recovery systems, low-flow kitchen and bath fixtures and zero irrigation landscaping.

This last discussion is going to be from a scientific publication. The February 9, 2007 issue of Science had a Special Section - Sustainability and Energy which contained News and Perspectives. The Introduction started with the statement of the major challenge of sustainability being energy consumption. Most people and companies in the United States are currently dependent on nonrenewable fossil fuels. This dependency on fossil fuels contributes to pollution and climate change. There were several articles on research into different ways of tapping into the abundant, renewable resource - solar energy - which is one of the major focus (along with wind power) in the hunt for sustainable energy.

Solar power can be tapped in a couple of different ways - **First** is direct conversion of sunlight into energy with solar cells. There is one additional problem which I learned of by talking with a person who was using solar power. If you have a good solar exposure and install photovoltaic cells you may generate a moderate amount of electricity. Don't forget to make provisions to handle the extra electricity you may generate on a sunny day. Apparently, you can make arrangements with your local electric company to sell this electricity to them.

Second the indirect conversion of sunlight into biomass which can then be fermented and ethanol produced. This bio-fuel (ethanol) reduces the need for imported oil and most trucks currently require only a minimum modification to use bio-diesel. Cars take more modification but it is feasible and according to one of the articles, the European Union hopes to produce a quarter of its transportation fuels from biomass by 2030.

In the News section are discussions of some of the research being done to provide sustainability **First** for solar power the use of the Silver Cell which comes from a thick solar wafer which is divided into thousand of long thin slices which are the Silver Cells. These Silver Cells are less expensive to produce because less monocrystalline silicon is used then with conventional wafers and yield comparable energy.

Second to develop better plants to grow as fuel - one researcher reported on efforts to replace corn with poplar trees as fuel for making ethanol. The problem with the poplar is the liginin which interferes with ethanol production by blocking enzymes from getting at the cellulose to break the cellulose down to make ethanol.

Third to find a better way to biomass such as using Miscanthus - a hardy grass that grows to a height of 4 meters and has been widely studied as a bio-fuel feedstock in Europe but not in the United States. The plan is to have small farms produce crops such as Miscanthus for local bio-refineries. The alcohol which is produced in the bio-refineries can be sold back to the farmers at a reduced price to encourage the farmers to grow Miscanthus.

(Continued on page 6)

CSI NORTHWEST REGION CONFERENCE

CSI “Water”, The good, The Bad, and The Ugly August 23 – 26, 2007

Start the CSI NW Region Conference on August 23rd with a grand tour of the Oregon Garden. For those of you not golfing, the Oregon Garden is a great choice to enjoy this magnificent display of landscaping and horticulture, tour the Frank Lloyd Wright Gordon House and finish the day with a scenic ride to Willamette Valley Vineyards for a short tour and wine tasting.

This event will provide 2.0 HSW LU hours continuing education credits as well as lunch!

The Garden may be toured on foot, on a tram, or both. The Garden, considered an 80 acre world of discovery was opened in 2001 and is located in historic Silverton. The Gordon House is Wright's only Pacific Northwest project and has been meticulously reconstructed on the Oregon Garden property.

Visit the Oregon Garden website at www.oregongarden.org and visit the Gordon House at www.thegordonhouse.org and you can also see www.willamettevalleyvineyards.com for more information about the winery.

Register for this event on your CSI Conference Registration form. The cost includes guided transportation, lunch, touring, and a visit to Willamette Valley Vineyards, rain or shine. The tour will begin at the front entry of the Phoenix Grand Hotel at 11:30 am.

If you are interested in sponsorship opportunities for this event or if you have any questions please contact Chris Veit at 503-390-0281 or Jane Phifer at 503-805-2500. We look forward to seeing you and sorry...no skateboards.

PERKY'S NOTES

(continued from page 4)

Fourth to develop catalysts to extract hydrogen from water or generate electricity from hydrogen. Using an aerogel with nanoscopic pores which create a labyrinth of tunnels through which molecules can pass almost unhindered. This then provides a large enough surface area for electrocatalysts (movement of electrons from cathode to anode on a nanoscale) to provide measurable electricity.

Fifth to build wind farms in and around Ireland and the United Kingdom with the idea of a European Offshore Supergrid. The supergrid proposes hooking wind farms to a grid that extends throughout the North Sea, into the Baltic and then via the English Channel, the Irish Sea and the Atlantic coast of Ireland. Thus there would be enough points of wind power collection to generate a continuing current of electricity. Wind Mill Farms in the Columbia Gorge and in some places in California because the wind is blowing continuously. Airtricity is the developer and current operator of wind farms in and around Ireland and the United Kingdom. Because of their current success they came up with this idea to expand the grid.

Sixth to use a ruthenium based catalyst which uses solar energy to strip protons and electrons from an acid and stitch them together to make hydrogen gas molecules and another ruthenium based catalyst that absorbs light and uses the energy to stitch oxygen atoms together to make oxygen gas molecules. Combining these two reactions should provide electricity but this research is still in its preliminary stages.

There were additional research projects underway but most were even more theoretical.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

- President**
Doug Allen, CSI, CDT360-921-5583
ASSA ABLOY Door Security Solutions Pacific NW
- President Elect**
Russ Pitkin, CSI, AIA.....503-245-7100
Ankrom Moisan Associated Architects
- Immediate Past President**
Dennet Latham, RA, CSI, CCS.....503-872-4539
CH2M Hill
- Secretary**
Erica Bitterman-Ryon, CSI.....360-567-2910
Precision Images
- Treasurer**
Kaye Kloster, CSI.....503-227-3424
Ford Graphics
- Executive Director**
Jane Phifer, CSI.....503-805-2500
CSI Office - P.O. Box 5116, Salem, OR 97304
- Director, Professional** 2004-2008
Corey Morris, CSI,503-224-4848
Clark/Kjos
- Director, Professional** 2006-2008
Skip Brown, CSI, CCS.....503-827-0505
WPH Architecture
- Director, Industry** 2006-2007
Bud Henson, CSI,360-600-0804
Window Tech
- Directory, Industry** 2006-2008
Mark Reeves, CSI503-283-8822
Hanset Stainless
- Director, Professional** 2006-2007
Fred Herbold, CSI, CCS..... 503-445-7389
SERA Architects
- Director, Industry** 2006-2007
Steven Gray, CSI, CDT503-233-6016
Rodda Paint

COMMITTEE LEADERS

- Awards**
Denise Carpenter, CSI..... 503-720-3005
- By-Laws**
Ken Searl, FCSI, CCS.....503-362-3472
- Certification**
Christine Steel, CSI, CCS503-944-7367
Amy Hjelte, CSI, CCS503-221-1121
- Editor**
Jane Phifer, CSI.....503-805-2500
- Education**
Steven Gray, CSI, CDT.....360-233-6016
- Continuing Education**
Skip Brown, CSI, CCS.....503-827-0505
- Golf Tournament**
Erica Bitterman- Ryon, CSI..... 360-567-2910
- Library**
Perky Kilbourn, PhD, CSI.....503-244-1778
- Membership - Co-Chairs**
Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400
Pat Murphy, CSI, CDT.....503-240-3955

- Operations Guide**
Ken Searl, FCSI, CCS.....503-362-3472
- Orientation**
Jane Phifer, CSI503-805-2500
- Products & Services Fair - Co-Chairs**
Brian Setness, CSI, LEED.....503-255-0190
Ed Macsikas, CSI,503-924-4106
- Programs - Co-Chairs**
Kaye Kloster, CSI503-227-3424
- Publicity**
Jane Phifer, CSI.....503-805-2500
- Specifiers Share Group & Technical**
Fred Herbold, CSI, CCS.....503-445-7389
Isaac Tevet, CSI, AIA.....503-245-7100
- Student Affiliate**
Rudy Barton.....503-725-3339
- Webmaster**
Corey Morris, CSI503-224-4848

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

- 2004-2007
Tom Deines, FCSI, CCCA
Ph: 541-485-1700 Fax: 541-683-7722
Email: tom@d@wildish.com
Wildish Standard Paving
PO Box 7428
Eugene, OR 97401
- 2006-2009
Anne Whitacre, FCSI, CCS
Gehry Partners, LLC
Ph: 310-482-3172
annew@foga.com
12541 Beatrice Street
Los Angeles, CA 90066

Region Website
www.csinwr.com

REGION COMMITTEES

- Academic Liaison**
Loren Berry, CSI, CDT, AIA.....541-485-3970
- Awards**
Christine Irwin, CSI, CDT.....503-650-0148
- Certification**
Brian Keil, CSI, CCPR206-763-0300
- Education**
Rick Heiserman, FCSI, CCCA, AIA..503-245-7100
- Electronic Communications**
Rand New, CSI, CDT.....541-688-5594
- Membership**
Robert Simmons, BS,CSI,CDT.....253-946-2436
- Planning**
Jerry Litwin, CSI,253-584-5207
- Publications**
Bob Kenworthy, FCSI, CCS, CCCA..253-931-4826
- Technical**
Marc Chavez, RA, CSI, CCS.....206-521-3492
- Treasurer & Secretary**
Marc Chavez, RA,CSI, CCS206-521-3492

NORTHWEST REGION CHAPTER MEETINGS

- Cook Inlet, Anchorage, AK** (Third Tuesday)
Dan Graham, CSI, CDT.....907-261-9203
- Puget Sound, Seattle, WA** (Second Tuesday)
Dave Walter, CSI.....425-774-7704
- Mt. Rainier, Tacoma, WA** (First Thursday)
Jeff Herrmann, CSI,CDT.....253-756-8191
- Spokane, WA** (Second Thursday)
Jim Devaney, CSI..... 509- 953-1719
- Portland, OR** (Second Tuesday)
Jane Phifer, CSI.....503-805-2500
- Capital, Salem, OR** (Third Thursday)
Chris Veit, CSI, CCS.....503-390-0291
- Willamette Valley, Eugene, OR** (Last Thursday)
Doug Mullican, CSI, CCCA.....541-687-9451
- Idaho, Boise, ID** (First Tuesday)
Steven Turney, CSI, CDT.....208-345-8872
- Big Sky, MT**
Jan O'Brien, CSI.....406-245-6363

June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 6/5 CSI Board Meeting, *Noon, AIA Office*
 6/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*
6/12 CSI Chapter Meeting - Tour & Awards Program
 6/20 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 6/25 Membership meeting, *Noon, Macadam's bar & grill*
 6/28 CSI Specifiers Share Group Meeting, *Noon, ZGF*

July 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 7/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 7/13 CSI Planning Session, *2:00 PM, Garden Room,*
 7/26 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 7/30 CSI Membership meeting, *Noon, Macadam's Bar & Grill*

August 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 8/09 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 8/09 CSI Golf tournament, *Lewis River Golf Course*
 8/21 CSI Membership meeting, *Noon, Macadam's Bar & Grill*
 8/22 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 8/23 CSI Specifiers Share Group Meeting, *Noon, ZGF*

8/23-8/25 CSI NW Region Conference, Salem, OR